PROVINCE OF BRITISH COLUMBIA

Minister of Highways

REPORT

FOR THE FISCAL YEAR

1958/59

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1959

To His Honour FRANK MACKENZIE ROSS, C.M.G., M.C., LL.D.,
Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

Herewith I beg respectfully to submit the Annual Report of the Department of Highways for the fiscal year ended March 31st, 1959, in compliance with the provisions of the " Department of Highways Act."

P. A. GAGLARDI,
Minister of Highways.

Office of the Minister of Highways,
Parliament Buildings, September 28th, 1959.

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DEPARTMENT OF HIGHWAYS PERSONNEL AS AT MARCH 31st, 1959

Victoria

Hon. P. A. Gaglardi, Minister of Highways.

H. T. Miard, Deputy Minister (Chairman, Highway Board).

F. T. Brown, Chief Engineer (Member, Highway Board).

D. R. McLeod, Assistant Deputy Minister.

A. J. Bowering, Assistant Chief Engineer (Member, Highway Board).

E. C. Webster, Director of Construction.

J. A. Dennison, Highway Construction Engineer.

J. W. Kerr, Highway Paving Engineer.

W. R. Workman, Records and Estimates Engineer.

E. W. Hall, Statistics Engineer.

E. B. Wilkins, Research and Development Engineer.

J. H. Harding, Senior Traffic Engineer.

C. O. Brawner, Senior Materials and Testing Engineer.

F. E. Dembiske, Special Projects Engineer.

J. P. Hague, Senior Location Engineer.

N. R. Zapf, Assistant Location Engineer.

C. K. Saunders, Senior Bridge Engineer.

J. Alton, Assistant Bridge Engineer.

J. U. Copeman, Bridge Construction Engineer.

F. A. MacLean, Equipment Engineer.

L. J. Moore, Chief Right-of-way Agent.

N. C. Tattrie, Assistant Chief Right-of-way Agent.

R. G. Vosburgh, Departmental Solicitor.

H. K. Gann, Superintendent of Ferries.

J. A. Lonsbury, Insurance and Safety Officer.

A. E. Rhodes, Departmental Comptroller.

H. C. Davies, Personnel Officer.

W. F. Conlan, Superintendent of Communications.

J. G. M. Lock, Weigh-scale Supervisor.

F. Howland, Chief Clerk.

R. J. Baines, Administrative Assistant.

Region No. 1

D. D. Godfrey, Regional Highway Engineer, North Vancouver.

E. J. Garrett, Regional Construction Engineer, North Vancouver.

R. G. Harvey, Regional Maintenance Engineer, North Vancouver.

F. D. Laronde, District Engineer, 280 Burnside Road West, Victoria (Esquimalt, Oak Bay, Saanich).

C. D. Grigg, District Engineer, Nanaimo (Alberni, Nanaimo-Islands, Cowichan-Newcastle).

L. A. Broddy, District Engineer, Courtenay (Comox).

D. E. Finlayson, District Engineer, New Westminster (Burnaby, Dewdney, New Westminster).

G. A. Havers, District Engineer, New Westminster (Delta, Chilliwack).

R. B. Gilmour, District Engineer, North Vancouver (Vancouver-Point Grey, Mackenzie, North Vancouver).

R. E. McKeown, District Superintendent, Prince Rupert (Prince Rupert, Atlin (South)).

C. S. Shaw, District Superintendent, Terrace (Skeena (West)).

V. A. Drew, H. R. MacKenzie, and G. D. Higgs, Right-of-way Agents, North Vancouver.

D. C. P. Graham, Regional Materials Engineer, 8405 Lougheed Highway, New Westminster.

W. R. Jeffs, Mechanical Superintendent, Victoria.

Region No. 2

J. W. Pomeroy, Regional Highway Engineer, Kamloops.

D. J. Gormley, Regional Construction Engineer, Kamloops.

M. G. Elston, Regional Maintenance Engineer, Kamloops.

, District Engineer, Kamloops (Kamloops).

A. Provenzano, District Engineer, Vernon (North Okanagan).

R. W. Gittins, District Engineer, Merritt (Yale).

J. L. Roe, District Engineer, Salmon Arm (Salmon Arm).

J. M. Hamilton, District Engineer, Penticton (Similkameen).

D. C. MacVicar, District Engineer, Williams Lake (Cariboo (South)).

H. F. Blunden, District Superintendent, Lillooet (Lillooet).

A. E. Staite, District Superintendent, Revelstoke (Revelstoke).

W. M. Underwood, District Superintendent, Kelowna (South Okanagan).

A. C. Brown, Right-of-way Agent, Kamloops.

L. DeBoer, Regional Materials Engineer, Kamloops.

V. L. Gresty, Mechanical Superintendent, Kamloops.

Region No. 3

D. F. Martin, Regional Highway Engineer, Nelson.

W. R. MacLean, Regional Construction Engineer, Nelson.

R. G. Mulcaster, Regional Maintenance Engineer, Nelson.

A. L. Freebairn, District Engineer, Nelson (Nelson-Creston).

I. J. Stewart, District Engineer, Grand Forks (Grand Forks-Greenwood).

W. M. Sproul, District Engineer, Cranbrook (Cranbrook).

P. B. MacCarthy, District Engineer, Rossland (Rossland-Trail).

M. C. K. Struve, District Superintendent, Fernie (Fernie).

H. J. Kelsall, District Engineer, New Denver (Kaslo-Slocan).

G. K. Austin, District Superintendent, Golden (Columbia).

G. Fraser, Right-of-way Agent, Nelson.

D. Long, Regional Materials Engineer, Nelson.

A. R. Irving, Mechanical Superintendent, Nelson.

Region No. 4

R. S. Cunliffe, Regional Highway Engineer, Prince George.

M. C. Nesbitt, Regional Construction Engineer, Prince George.

J. W. Morris, Regional Maintenance Engineer, Prince George.

H. A. Gray, District Engineer, Quesnel (Cariboo (North)).

P. E. Bishop, District Engineer, Burns Lake (Omineca (West)).

J. P. O'Toole, District Superintendent, Fort St. John (North Peace River, Atlin (North)).

A. Park, District Superintendent, Prince George (Fort George).

R. H. Dunlop, District Superintendent, Smithers (Skeena (East)).

G. R. Kent, District Superintendent, Vanderhoof (Omineca (East)).

D. C. Westaway, District Superintendent, Pouce Coupe (South Peace River).

E. W. Pritchard, Right-of-way Agent, Prince George.

A. Reid, Regional Materials Engineer, Prince George.

H. O. George, Mechanical Superintendent, Prince George.

HIGHWAYS REPORT

REPORT OF THE DEPUTY MINISTER

VICTORIA, B.C., September 28th, 1959.

The Honourable P. A. Gaglardi,
Minister of Highways, Victoria, B.C.

SIR,—A report of the activities of the Department for the fiscal year 1958/59 is submitted herewith for your consideration.

Total mileage of roads constructed or reconstructed by contract was 140.42. Included in this were 43.29 miles on the Trans-Canada Highway, 7.58 on the Southern Trans-Provincial Highway, 17.51 on the Cariboo Highway, and 17.29 on the Northern Trans-Provincial Highway.

Total mileage constructed or reconstructed by day-labour was 184 miles. The mileage of improvements or minor betterments was 337. Details of paving work carried out by district forces are shown in the paving programme.

Thirty-two bridges were completed and work is in progress on thirteen others. Fourteen of the completed bridges and eight incompleted are on the Trans-Canada Highway.

Final highway-location surveys completed totalled 240 miles, and the total length of office design completed with estimates amounted to 146 miles.

There were fifty-seven ferries operating under the jurisdiction of the Department. They carried 2,162,353 vehicles and 5,366,418 passengers including drivers.

There are 23,018 miles of highways under the supervision of the Department, and these are comprised of 3,580 miles of trunk highways, 2,345 of main highways, and 17,093 miles of other roads. In addition to this, there are 673.57 miles classified as arterial or secondary.

The total expenditure for all maintenance on highways, bridges, and ferries amounted to $14,228,265.16. The cost of snow-removal was $2,671,703.15, over 18,647 miles of road being kept clear of snow.

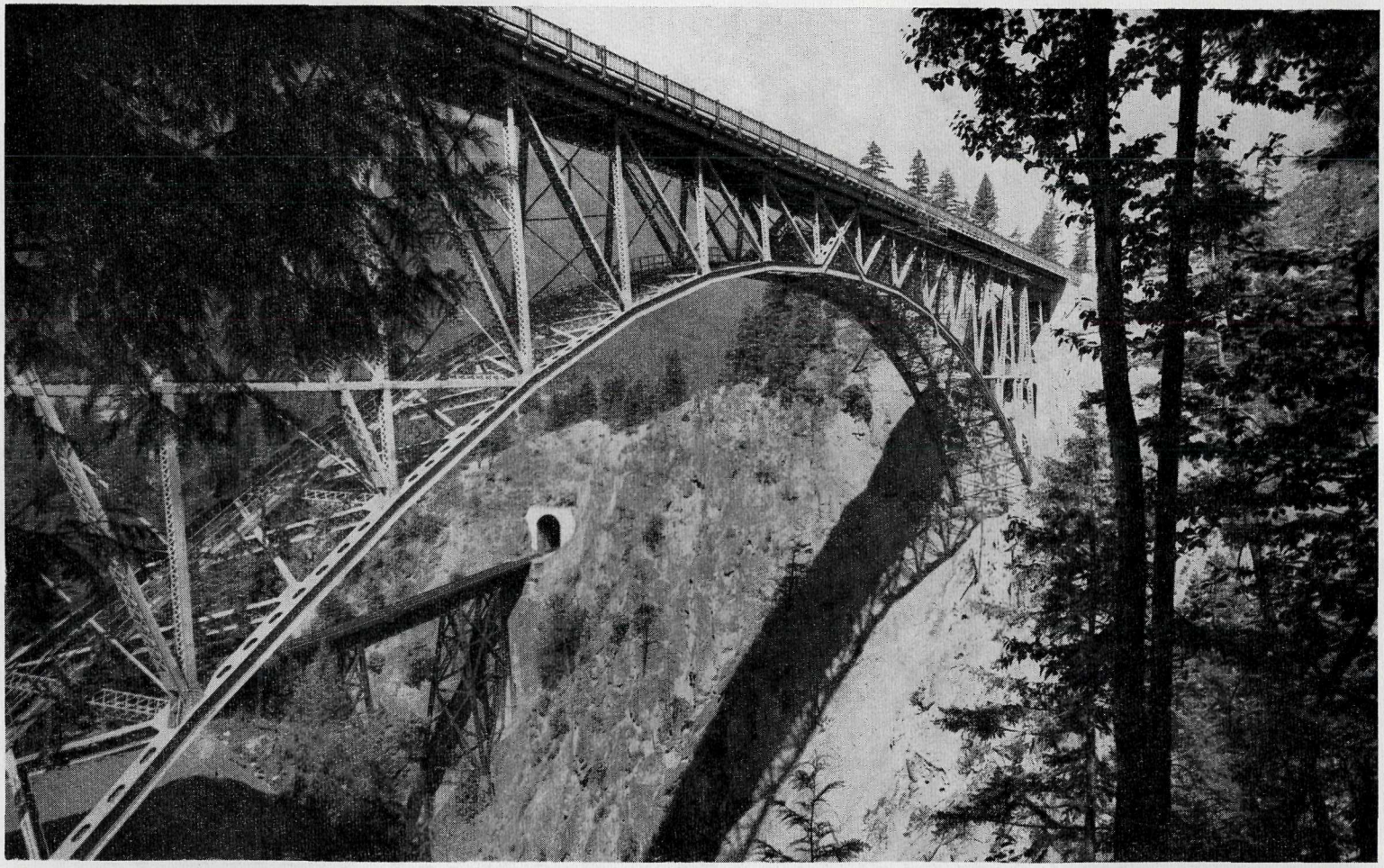
In the period from January 1st, 1958, to December 31st, 1958, 2,245 subdivisions were handled by the Department, and 585 of these were adjacent to controlled access highways. There were issued 616 permits for entrances on controlled access highways and 532 permits for entrances on non-controlled access highways. A total of 1,797 permits were issued for other works on Crown lands.

In summary, the records indicate that a very large and satisfactory amount of work was done during the year.

Mr. E. S. Jones, my predecessor as Deputy Minister, retired in August of 1958, after thirty-five years of outstanding loyal and successful service in the Department.

In conclusion I wish to record that all members of the Department, both at headquarters and in the field, discharged their duties with loyalty, efficiency, and cheerfulness.

H. T. MIARD,
Deputy Minister.



Nine Mile Canyon Bridge on Fraser River Canyon section, Trans-Canada Highway. Canadian National Railway and tunnel in background. Over-all length, 698 feet; length of main arch, 480 feet; width of roadway, 26 feet.

REPORT OF THE SENIOR BRIDGE ENGINEER

Thirty-two bridges were completed during the fiscal year, together with the construction of ferry-landings at Chemainus and Thetis Island.

Work was also in progress on an additional thirteen bridges, several of which were nearing completion at the end of the year.

Fourteen of the completed bridges and eight others which are in the construction stage are on the Trans-Canada Highway.

Details of the major bridges completed during the year accompany this report. The gross expenditure was approximately $4,830,000, details of which are to be found in the Statement of Expenditures.

The most outstanding project of the year was Nine Mile Canyon Bridge on the Fraser Canyon section of the Trans-Canada Highway. This bridge, designed and supervised by this Branch, was constructed at a cost of approximately $1,000,000. Work at the site commenced late in the year 1956, and the bridge was formally opened on May 26th, 1958.

Steel, timber, and other materials required for bridge construction were readily available throughout the year, and no abnormal floods were experienced.

In reference to the undertakings of the British Columbia Toll Highways and Bridges Authority, the Okanagan Lake Bridge was completed and officially opened by Her Royal Highness Princess Margaret on July 19th, 1958. Good progress was maintained in the construction of the Deas Island Tunnel, and at the end of the year the project was nearing completion. Work on the erection of the main span at Second Narrows Bridge was suspended for several months following the collapse of a portion of the partially erected steelwork on June 17th. Work in the meantime proceeded satisfactorily on the construction of the approach roads, toll plazas, and administration building.

DETAILS OF PRINCIPAL BRIDGES AND FERRY-LANDINGS CONSTRUCTED OR RECONSTRUCTED IN THE FISCAL YEAR FROM APRIL 1ST, 1958, TO MARCH 31ST, 1959

Name	Location	Electoral District	Type—Description of Work and Remarks
Gertrude Street Bridge	Gertrude St.	Alberni	140-ft. bridge consisting of three spans of steel stringers—one 70-ft. and two 35-ft. spans. Supported on treated pile bents and reinforced-concrete abutments on piles; reinforced-concrete deck with 48-ft. roadway; two 5-ft. sidewalks.
Kitsucksus Creek Bridge	River Road	Alberni	362-ft. bridge consisting of twelve 30-ft. steel-stringer spans supported on creosoted-timber pile piers and reinforced-concrete abutments on piles; reinforced-concrete deck with 26-ft. roadway and two 5-ft. sidewalks.
Ahbau Creek Bridge	Cariboo Highway	Cariboo	160-ft. bridge consisting of two 80-ft. spans of continuous reinforced-concrete stringers on a reinforced-concrete pier and abutments founded on steel H-piles; reinforced-concrete deck with 26-ft. roadway.
P.G.E. Overpass, Mile 21.2	Cariboo Highway	Cariboo	77-ft. skewed bridge consisting of three continuous spans of reinforced-concrete girders supported on reinforced-concrete piers and abutments; reinforced-concrete deck with 26-ft. roadway.
P.G.E. Underpass, Mile 15.8	Cariboo Highway	Cariboo	66-ft. skewed plate-girder railway bridge with creosoted-tie deck.
Anderson Creek Bridge	Trans-Canada Highway, Mile 141.69	Chilliwack	31-ft. steel-stringer bridge on reinforced-concrete abutments; reinforced-concrete deck with 44-ft. roadway.
Sardis Road Underpass	Trans-Canada Highway, Mile 130.93	Chilliwack	180-ft. bridge consisting of two 40-ft. and two 50-ft. steel-stringer spans supported on reinforced-concrete piers on piles and abutments; reinforced-concrete deck with 26-ft. roadway and one 5-ft. sidewalk.
C.N.R. Overpass, Lulu Island	Vancouver–Blaine Highway	Delta	Two 300-ft. adjacent skewed bridges consisting of five 60-ft. prestressed concrete-stringer spans with reinforced-concrete decks supported on reinforced-concrete piers and abutments; 36-ft. roadways.
Ladner Underpass	Vancouver–Blaine Highway	Delta	185-ft. bridge consisting of four 46-ft. prestressed concrete-stringer spans; reinforced-concrete deck; piers on piles and abutments; 26-ft. roadway.
Elk River Temporary Bridge	Highway No. 93	Fernie	300-ft. bridge consisting of three 100-ft. spans of Bailey bridging; pile piers; timber deck with 10-ft. 9-in. roadway.
Nechako River Bridge	Northern Trans-Provincial Highway	Fort George	763-ft. bridge consisting of seven 109-ft. spans of prestressed concrete stringers supported on reinforced-concrete piers and abutments; reinforced-concrete deck with 26-ft. roadway and two 5-ft. sidewalks.
Old Kootenay Channel Bridge	Southern Trans-Provincial Highway (Salmo–Creston Cut-off)	Nelson-Creston	1,000-ft. bridge consisting of twenty 50-ft. prestressed concrete-girder spans with reinforced-concrete deck supported on reinforced-concrete piers and abutments founded on concrete-filled steel-pipe piles; 26-ft. roadway.
Sanca Creek Bridge	Southern Trans-Provincial Highway	Nelson-Creston	122-ft. skewed bridge consisting of two 61-ft. spans of prestressed concrete stringers supported on a reinforced-concrete pier and abutments; reinforced-concrete deck with 26-ft. roadway.
Harvey Creek Bridge	Vancouver–Squamish Highway	North Vancouver	207-ft. bridge consisting of one 70-ft. steel-stringer span; one 16-ft. and seven 17-ft. spans of creosoted-timber trestle, supported on frame bents on concrete footings and reinforced-concrete abutments; laminated timber deck with asphalt wearing surface; 26-ft. roadway.
Lone Tree Creek Bridge	Vancouver–Squamish Highway	North Vancouver	249-ft. creosoted-timber bridge consisting of one 140-ft. deck Howe truss and six 17-ft. bays of trestle approaches with laminated deck with asphalt plank wearing surface; treated timber bents on concrete pedestals and abutments; 22-ft. roadway.

Squamish " K " Bridge	Vancouver–Squamish Highway	North Vancouver	86-ft. bridge consisting of five 17-ft. rceosoted-timber trestle spans supported on concrete footings and concrete abutments; laminated timber deck with 26-ft. roadway; asphalt wearing surface.
Squamish " L " Bridge	Vancouver–Squamish Highway	North Vancouver	103-ft. bridge consisting of six 17-ft. creosoted-timber trestle spans supported on concrete footings and concrete abutments; laminated timber deck with 26-ft. roadway; asphalt wearing surface.
Squamish " M " Bridge	Vancouver–Squamish Highway	North Vancouver	290-ft. bridge consisting of seventeen 17-ft. creosoted-timber trestle spans supported on concrete footings; mud-sills and concrete abutments; laminated timber deck with 26-ft. roadway; asphalt wearing surface.
Squamish " N " Bridge	Vancouver–Squamish Highway	North Vancouver	109-ft. bridge consisting of one 40-ft. steel-stringer span; three 17-ft. and one 18-ft. creosoted-timber trestle spans supported on concrete footings and reinforced concrete abutments; laminated timber deck with 26-ft. roadway; asphalt wearing surface.
Tate Creek Bridge	Pouce Coupe–Alberta Boundary Road	Peace River South	107-ft. bridge consisting of three 36-ft. spans of glulam stringers supported on treated-timber bents; 30-ft. roadway.
Crazy Creek Bridge	Trans-Canada Highway, Mile 452.45	Revelstoke	80-ft. skewed prestressed concrete-stringer bridge; reinforced-concrete deck and abutments; 27-ft. roadway.
Eagle River Bridge	Trans-Canada Highway, Mile 455.93	Revelstoke	70-ft. steel-stringer bridge with reinforced-concrete deck and abutments; 27-ft. roadway.
Gorge Creek Bridge	Trans-Canada Highway, Mile 447.25	Revelstoke	56-ft. prestressed concrete-stringer bridge; reinforced-concrete deck and abutments; 27-ft. roadway.
North Fork of Eagle River Bridge	Trans-Canada Highway, Mile 447.51	Revelstoke	180-ft. steel through-truss span on concrete abutments; reinforced-concrete deck; 24-ft. roadway.
Summit Lake Overhead Crossing	Trans-Canada Highway, Mile 467.35	Revelstoke	471-ft. bridge consisting of two 70-ft. main steel-stringer spans and eleven 30-ft. approach spans supported on reinforced-concrete piers and abutments on piles; reinforced-concrete deck with 27-ft. roadway.
Taft Logging-road	Trans-Canada Highway, Mile 451.71	Revelstoke	120-ft. bridge consisting of two 30-ft. and one 60-ft. log-stringer spans supported on log cribs; 14-ft. roadway.
Chase Creek Bridge	Trans-Canada Highway, Mile 378.94	Salmon Arm	61-ft. skewed steel-stringer bridge on reinforced-concrete abutments; reinforced-concrete deck with 27-ft. roadway and two 5-ft. sidewalks.
Nicoamen Underpass	Trans-Canada Highway, Mile 249.54	Yale	60-ft. railway plate-girder bridge; reinforced-concrete abutments with waterproofed concrete deck; one 3-ft. sidewalk decked with open-grid decking.
Nine Mile Canyon Bridge	Trans-Canada Highway, Mile 215.4	Yale	698-ft. bridge consisting of one 480-ft. three-hinged braced spandrel arch span and one two-span and one three-span continuous-deck plate-girder approach spans; steel bents on reinforced-concrete footings and reinforced-concrete abutments and deck; 26-ft. roadway.
Nicoamen River Bridge	Trans-Canada Highway, Mile 249.5	Yale	220 ft. curved bridge consisting of two 70-ft. and two 40-ft. steel-girder spans supported on reinforced-concrete piers and abutments; longitudinally reinforced-concrete deck with 30-ft. roadway.
Sackum Overhead Crossing	Trans-Canada Highway, Mile 252.5	Yale	241-ft. bridge consisting of six 40-ft. spans of steel stringers supported on reinforced-concrete piers and abutments; reinforced-concrete deck with 27-ft. roadway.
Sawmill Creek Bridge	Trans-Canada Highway, Mile 186.34	Yale	145-ft. two-span continuous plate-girder bridge supported on a steel bent and reinforced-concrete abutments; reinforced-concrete deck with 27-ft. roadway.
Ferry-landings			
Chemainus Ferry-landing	Ferry operating between Chemainus and Thetis Island	Cowichan-Newcastle	Creosoted-timber ferry-landing.
Thetis Island Ferry-landing	Ferry operating between Chemainus and Thetis Island	Nanaimo-Islands	Creosoted-timber ferry-landing.

DETAILS OF PRINCIPAL BRIDGES AND FERRY-LANDINGS CONSTRUCTED OR RECONSTRUCTED—*Continued*

BRITISH COLUMBIA TOLL HIGHWAYS AND BRIDGES AUTHORITY

Name	Location	Electoral District	Type—Description of Work and Remarks
Deas Slough Bridge	Fraser Delta Thruway	Delta	318-ft. three-span continuous plate-girder bridge consisting of one 140 ft. span and two 89-ft. spans, supported on reinforced-concrete abutments and piers founded on concrete-filled steel-pipe piles; reinforced-concrete deck with two 24-ft. roadways with a 5-ft. 2-in. median.
Okanagan Lake Bridge	Okanagan Highway	South Okanagan	2,885-ft. bridge consisting of 2,050 ft. of floating pontoons, one 175-ft. and one 188-ft. steel-truss transition spans, one 284-ft. steel lift span, and one 188-ft. steel-truss approach span; pile-founded reinforced-concrete piers and abutments; 1,700 ft. of fill approaches; reinforced-concrete roadway and sidewalk slab; 36-ft. roadway; two 5-ft. 8-in. sidewalks on floating section and two 4-ft. 3-in. sidewalks on truss spans.

DETAILS OF PRINCIPAL BRIDGES UNDER CONSTRUCTION BUT NOT COMPLETED DURING THE FISCAL YEAR 1958/59

Name	Location	Electoral District	Type—Description of Work and Remarks
Atchelitz Creek Bridge	Trans-Canada Highway, Mile 129.20	Chilliwack	Four-lane 70-ft. bridge; two parallel steel-beam spans; two 40-ft. roadways.
Chilliwack Creek Bridge	Trans-Canada Highway, Mile 131.62	Chilliwack	Four-lane 300-ft. bridge of six 50-ft. steel-beam spans; 74-ft. roadway.
Blaeberry River Bridge	Trans-Canada Highway, Mile 658.57	Columbia	210-ft. bridge of two 35-ft. steel-beam spans and one 140-ft. deck truss span; 27-ft. roadway.
Cambie Road Underpass	Vancouver–Blaine Highway	Delta	302-ft. bridge of five 55-ft. 9-in. and one 22-ft. 7-in. prestressed concrete-beam spans; 26-ft. roadway and one 5-ft. sidewalk.
No. 5 Road North and South Underpasses	Vancouver–Blaine Highway	Delta	Two 215-ft. four-span bridges; prestressed concrete stringers; 32-ft. roadway.
Westminster Highway Underpass	Vancouver–Blaine Highway	Delta	220-ft. bridge of four 55-ft. prestressed concrete-beam spans; 26 ft. roadway and one 5-ft. sidewalk.
Capilano Canyon Bridge	Trans-Canada Highway, Mile 63.45	North Vancouver	Four-lane 614-ft. bridge of a 345-ft. reinforced-concrete arch span, four flanking spans consisting of two 80-ft. and two 51-ft. prestressed concrete-stringer spans; 54-ft. roadway and two 5-ft. sidewalks.
Nineteen Mile Overhead Crossing	Trans-Canada Highway, Mile 456.87	Revelstoke	380-ft. bridge of eight 30-ft. and two 70-ft. steel-beam spans; 27-ft. roadway.
Revelstoke Bridge	Trans-Canada Highway, Mile 476.61	Revelstoke	950-ft. suspension bridge of a 600-ft. main suspended span, one 190-ft. flanking suspended span, and two 80-ft. plate-girder approach spans with a 24-ft. roadway and one 5-ft. sidewalk.
Taft Overhead Crossing	Trans-Canada Highway, Mile 452.22	Revelstoke	410-ft. bridge of three 30-ft., four 45-ft., and two 70-ft. steel-beam spans; 27-ft. roadway.
Upper Annable Underpass	Schofield Highway	Rossland-Trail	47-ft. span plate-girder railway bridge.
Chase Overhead Crossing	Trans-Canada Highway, Mile 382.51	Salmon Arm	370-ft. bridge of nine 30-ft. and two 50-ft. steel-beam spans; 27-ft. roadway.
Alexandra Bridge	Trans-Canada Highway, Mile 193.74	Yale	1,600-ft. bridge of 805-ft. two-hinged steel-rib arch span, three 100-ft., three 93-ft., and three 56-ft. deck plate-girder spans; 27-ft. roadway and two 5-ft. sidewalks.

British Columbia Toll Highways and Bridges Authority

Deas Island Tunnel	Fraser Delta Thruway	Delta	Four-lane 2,162-ft.-long reinforced-concrete tunnel with two 27-ft. roadways.
Second Narrows Bridge	Trans-Canada Highway	North Vancouver	Six-lane 4,240-ft.-long bridge of one 1,100-ft. main, two 466-ft. flanking, and four 282-ft. approach steel-deck truss spans and a prestressed concrete approach viaduct of nine 120-ft. spans; two 34-ft. roadways and two 4-ft. 6-in. sidewalks.

C. K. Saunders,
Senior Bridge Engineer.

Underpass at Ladner Trunk Road on Vancouver–Blaine Highway. Length, 185 feet; width of roadway, 24 feet.

REPORT OF THE DIRECTOR OF CONSTRUCTION

ROAD CONSTRUCTION (CONTRACTS)

Construction, by contract, proceeded at nearly the same rate as last year. The main work was concentrated on the Trans-Canada, Vancouver–Blaine, Southern Trans-Provincial, Northern Trans-Provincial, and Cariboo Highways, and on the Stewart–Cassiar Road.

Work is completed or proceeding on all but 77 miles of the Trans-Canada Highway, and of this 77 miles (yet to be awarded), 42 miles will be multi-lane design. The total length of the highway will be approximately 618 miles—554 miles Provincial and 64 miles Federal (in National parks). All of the Federal sections are completed or in progress. The total length of multi-lane construction required is 75 miles, from West Vancouver to Rosedale.

The 11-mile four-lane section of the new Vancouver–Blaine Highway, from the Oak Street Bridge to the Ladner Trunk Road, is well under way, and is slated for opening early next year. Besides the Deas Tunnel and several bridges, two major road contracts are in progress. Included in these projects are approximately 7 miles of interchanges and connecting roads.

During the fiscal year, contract quantities in road-construction projects in British Columbia (excluding Federal sections) were as follows:—

Grading excavation—		
Solid rock	cu. yd.	3,883,398[1]
Other materials	cu. yd.	17,781,471[1]
Clearing and grubbing right-of-way	ac.	2,359
Large culverts and cattle-passes	lin. ft.	4,737
Other culverts, diameter 6 to 72 inches	lin. ft.	95,320
Concrete for retaining-walls and drainage structures	cu. yd.	47,514
Foundation excavation, all materials	cu. yd.	90,855
Rip-rap (loose and hand-laid)	cu. yd.	17,806
Fencing	rods	20,289
Gates		120
Guard-rail, steel and reinforced concrete	lin. ft.	157,824
Steel-bin retaining-wall, facial area	sq. ft.	37,548
Two-lane tunnel excavation (not included above)	lin. ft.	770
Gravel base and surfacing—		
Pit-run	tons	572,550
2- and ¾-inch crushed	tons	1,294,768

[1] Trans-Canada Highway quantities included were 2,742,629 and 6,678,689 cubic yards respectively.

PROGRESS OF HIGHWAY-CONSTRUCTION CONTRACTS FOR FISCAL YEAR 1958/59

Project No.	Highway and Section	Total Length	Miles Constructed or Reconstructed, 1958/59	Remarks	Per Cent Completed to Date
	TRANS-CANADA HIGHWAY				
	(a) Contracts Let, 1956/57				
554	Tank Hill section	0.91	0.08	Project completed	100
760	Tank Hill–Spences Bridge	13.39	0.54	Work continuing	94
762	Lytton–Tank Hill	8.10	1.01	Project completed	100
792	Bell Crossing–Saddle Rock	4.62	0.95	Work continuing	93
807	Vedder River–Chilliwack	10.31	0.93	Four lanes (divided), project completed	100
	(b) Contracts Let, 1957/58				
694	Boston Bar–Salkeld	2.76	1.38	Project completed	100
813B	Victor Lake–Summit Lake	2.77	0.83	Project completed	100
819	Craigellachie–Kay Falls and Kay Falls–Twin Bridges	12.80	4.86	Work continuing	88
821	Chilliwack–Rosedale	5.75	2.27	Four lanes (divided)	82
821	Rosedale–Cheam Creek	3.50	1.37	Work continuing	82
874	Fraser River Crossing–Alexandra Lodge	2.50	1.27	Work continuing	79
879	Donald–Golden	13.88	8.88	Work continuing	81
880	Greely–Clachnacudainn Creek	4.67	3.22	Project completed	100
890	Revelstoke–Greely	4.94	3.01	Work continuing	65
892	Saddle Rock–C.P.R. Overhead	1.31	0.93	Work continuing	83
906	Boothroyd–Jackass Mountain	8.08	4.93	Work continuing	61
	(c) Contracts Let, 1958/59				
885	Vancouver–Fraser River section (Contract No. 1), north approach, Port Mann Bridge	0.27	0.02	Four lanes	9
902	Revelstoke Park–Glacier Park (Section 1)	5.92	2.55	Work continuing	43
910	Fraser River–Abbotsford, Section 1 Mount Lehman–Abbotsford)	6.06	0.42	Four lanes (divided)	7
958	Quartz Creek–Donald	12.63	1.25	Work continuing	10
960	Three Mile Crossing–Revelstoke	4.17	1.46	Work continuing	30
961	Rogers–Quartz Creek	8.27	1.07	Work continuing	13
964	Drynoch Slide stabilization	.....	.....	Included in Project No. 760 mileage	85
968	Taylor Way–Second Narrows	5.75	0.06	Four lanes (divided)	1
969	Revelstoke Park–Glacier Park (Section 2)	5.06	.....	Project not started	.....
	Total miles let, Trans-Canada Highway, 1958/59	48.13	.....	Includes 12.08 miles of four-lane.	
	Total miles built, Trans-Canada Highway, 1958/59	.....	43.29	Includes 3.70 miles of four-lane.	
	SOUTHERN TRANS-PROVINCIAL HIGHWAY				
	(a) Contracts Let, 1956/57				
777	Christina Creek–Sheep Lake (Section 2)	5.32	1.12	Project completed	100
	(b) Contracts Let, 1957/58				
756	Summit Creek–Creston	6.94	0.38	Project completed; 0.77 mile formerly connecting highway now to be part of final route; additional 1 mile cleared and grubbed only and 1 mile cleared only	100
870	Summit Lake to junction with Highway No. 6	4.11	1.23	East of Salmo; project completed	100
878	Castlegar–Sheep Lake (Section 2)	8.76	4.72	Work continuing	68

PROGRESS OF HIGHWAY-CONSTRUCTION CONTRACTS FOR FISCAL YEAR 1958/59—*Continued*

Project No.	Highway and Section	Total Length	Miles Constructed or Reconstructed, 1958/59	Remarks	Per Cent Completed to Date
	SOUTHERN TRANS-PROVINCIAL HIGHWAY—*Continued*				
	(*c*) *Contracts Let, 1958/59*				
898	South Slocan section	2.05	0.06	Not final route of Southern Trans-Provincial Highway	3
970	Christina Creek–Sheep Lake (Section 3)	3.35	0.07	Work continuing	2
1023	Blazed Creek–Summit Creek	7.45	.....	Project not started	.....
	Total miles let, Southern Trans-Provincial Highway, 1958/59	12.85	.....		
	Total miles built, Southern Trans-Provincial Highway, 1958/59	.....	7.58		
	CARIBOO HIGHWAY				
	(*a*) *Contracts Let, 1956/57*				
754	Cottonwood River–Strathnaver	20.93	6.07	Project completed	100
755	Canyon Creek–Cale Creek	24.53	6.38	Project completed	100
	(*b*) *Contracts Let, 1957/58*				
	Nil	.....	.....		
	(*c*) *Contracts Let, 1958/59*				
962	Dog Prairie–Quesnel River	9.55	5.06	Revised length	53
	Total miles let, Cariboo Highway, 1958/59	9.55	.....		
	Total miles built, Cariboo Highway, 1958/59	.....	17.51		
	OKANAGAN HIGHWAY				
	Contracts Let, 1958/59				
897	Ellison Overhead approaches	1.51	0.90	Work continuing	60
901	Kaleden–Skaha	4.22	0.84	Work continuing	20
	Total miles let, Okanagan Highway, 1958/59	5.73	.....		
	Total miles built, Okanagan Highway, 1958/59	.....	1.74		
	NORTHERN TRANS-PROVINCIAL HIGHWAY				
	(*a*) *Contracts Let, 1956/57*				
778	Blackwater Road–Sweden Creek	10.04	2.21	Project completed	100
779	Lamming Mills west	11.85	5.69	Work continuing	78
	(*b*) *Contracts Let, 1957/58*				
882	Burns Lake–Tintagel	7.66	5.90	Work continuing	89
893	Tabor Lake–Willow River	3.71	3.49	Project completed	100
893	Tabor Lake–Willow River	.....	.....	Additional 6.52 miles clearing and grubbing (only) in contract	.....
	(*c*) *Contracts Let, 1958/59*				
	Nil	.....	.....		
	Total miles let, Northern Trans-Provincial Highway, 1958/59	.....	.....		
	Total miles built, Northern Trans-Provincial Highway, 1958/59	.....	17.29		

PROGRESS OF HIGHWAY-CONSTRUCTION CONTRACTS FOR FISCAL YEAR 1958/59—*Continued*

Project No.	Highway and Section	Total Length	Miles Constructed or Reconstructed, 1958/59	Remarks	Per Cent Completed to Date
	SQUAMISH HIGHWAY				
	(*a*) *Contracts Let, 1954/55*				
552	Horseshoe Bay north	7.32	0.37	Project completed	100
	(*b*) *Contracts Let, 1955/56*				
644	Alberta Bay–Porteau	7.91	1.03	Project completed	100
	(*c*) *Contracts Let, 1956/57*				
	Nil	.....	.....		
	(*d*) *Contracts Let, 1957/58*				
691	Porteau–Britannia Beach	1.35	.....	Grading completed by P.G.E. on common sections	.....
	(*e*) *Contracts Let, 1958/59*				
	Nil	.....	.....		
	Total miles let, Squamish Highway, 1958/59	.....	.....		
	Total miles built, Squamish Highway, 1958/59	.....	1.40		
	KITIMAT HIGHWAY				
	(*a*) *Contracts Let, 1955/56*				
629	Lakelse–Kitimat River	8.85	0.27	Project completed	100
	(*b*) *Contracts Let, 1956/57*				
	Completed 1957/58	.....	.....		
	(*c*) *Contracts Let, 1957/58*				
	Nil	.....	.....		
	(*d*) *Contracts Let, 1958/59*				
	Nil	.....	.....		
	Total miles let, Kitimat Highway, 1958/59	.....	.....		
	Total miles built, Kitimat Highway, 1958/59	.....	0.27		
	STEWART–CASSIAR HIGHWAY				
	(*a*) *Contracts Let, 1957/58*				
883	Sawmill Point–Hotel Creek (Dease Lake section)	25.55	14.97	Contract extended, 1958/59, 5 miles (*see* below)	54
	(*b*) *Contracts Let, 1958/59*				
883	Hotel Creek–Tanzilla River	5.00	.....	Extension of 1957/58 contract	.....
966	Tanzilla River–Stikine River	26.60	.....	Project not started	.....
	Total miles let, Stewart–Cassiar Highway, 1958/59	31.60	.....		
	Total miles built, Stewart–Cassiar Highway, 1958/59	.....	14.97		

PROGRESS OF HIGHWAY-CONSTRUCTION CONTRACTS FOR FISCAL YEAR 1958/59—*Continued*

Project No.	Highway and Section	Total Length	Miles Constructed or Reconstructed, 1958/59	Remarks	Per Cent Completed to Date
	VANCOUVER–BLAINE HIGHWAY				
	Contracts Let, 1958/59				
909	Oak Street Bridge–Deas Tunnel	.....	.....	*See* Toll Authority	.....
963	Deas Tunnel–Ladner Trunk Road	3.44	3.10	Four lanes (divided)	90
	Total miles let, Vancouver–Blaine Highway, 1958/59	3.44	.....	All mileage is four lanes.	
	Total miles built, Vancouver–Blaine Highway, 1958/59	.....	3.10	All mileage is four lanes (Toll Authority not included).	
	LOUGHEED (AND AGASSIZ–HAIG) HIGHWAY				
	(*a*) *Contracts Let, 1956/57*				
790	Boundary Road–North Road	6.33	2.03	Widening from two to four lanes (undivided); project completed	100
	(*b*) *Contracts Let, 1958/59*				
907	Seabird Bluffs–Ruby Creek	3.39	.....	Project not started	.....
	Total miles let, Lougheed Highway, 1958/59	3.39	.....		
	Total miles built, Lougheed Highway, 1958/59	.....	2.03	All mileage is four lanes.	
	OTHER HIGHWAYS				
	(*a*) *Contracts Let, 1956/57*				
788	Elko–Roosville, Elko–Roosville Highway	22.90	1.10	Completed except bridge and approaches at Elko River	100
797	Port Edward–Cassiar Cannery	.....	.....	Clearing contract (only), not completed by contractor; clearing and construction under way by day-labour	.....
790	North Road connection to Lougheed Highway	0.29	0.29	Project completed	100
807	Sardis Road and other connections to Trans-Canada Highway, Project No. 807	1.44	1.44	Project completed	100
	(*b*) *Contracts Let, 1957/58*				
821	Agassiz–Rosedale Highway connection to Trans-Canada Highway, Project No. 821	0.38	0.29	Work continuing	82
881	Pouce Coupe–Alberta Boundary	16.46	11.85	Work continuing	93
886	Kennedy River section, Alberni–Tofino Highway	8.51	5.62	Work continuing	78
895	Marine Drive, West Vancouver	0.93	0.09	Widening from two to four lanes (undivided); project completed	100
895	Taylor Way, West Vancouver	0.75			100
	(*c*) *Contracts Let, 1958/59*				
910	Interchanges and connections to Trans-Canada Highway, Project No. 910	4.48	0.24	Work continuing	7
963	Vaisey Road and Ladner Trunk Road connections to Vancouver–Blaine Highway, Project No. 963	2.85	2.56	Work continuing	90
968	Interchanges and connections to Trans-Canada Highway, Project No. 968	3.38	0.03	Work continuing	1
	Total miles let, other highways, 1958/59	10.71	.....		
	Total miles built, other highways, 1958/59	.....	23.51		

PROGRESS OF HIGHWAY-CONSTRUCTION CONTRACTS FOR FISCAL YEAR 1958/59—*Continued*

HIGHWAYS UNDER TOLL HIGHWAYS AND BRIDGES AUTHORITY

Project No.	Highway and Section	Total Length	Miles Constructed or Reconstructed, 1958/59	Remarks	Per Cent Completed to Date
	Contracts Let, 1958/59				
909	Oak Street Bridge–Deas Tunnel, Vancouver–Blaine Highway	4.62	4.25	Four lanes (divided)	92
909	Interchange and connections to Vancouver–Blaine Highway, Project No. 909	3.78	3.48	Work continuing	92
	Total miles let, Toll Authority, 1958/59	8.40	.....	Includes 4.62 miles of four-lane.	
	Total miles built, Toll Authority, 1958/59	.....	7.73	Includes 3.48 miles of four-lane. (Mileage of Oak Street Bridge, Deas Tunnel, and Deas Slough Bridge and approaches not included.)	

SUMMARY

	Total Length		Constructed or Reconstructed, 1958/59
Total miles let, all highways, 1958/59	125.40	Total miles built, all highways, 1958/59	132.69
Total miles let, Toll Authority, 1958/59	8.40	Total miles built, Toll Authority, 1958/59	7.73
Total miles let, 1958/59	133.80	Total miles built, 1958/59	140.42

NOTE.—Included in above, all highways are 20.14 miles of four-lane let in 1958/59 and 11.05 miles of four-lane built in 1958/59.

Not included are lengths of major bridges on various highways such as Second Narrows, Columbia River, Deas Tunnel, etc.

PAVING

Extensive advances were made in technical development in paving work in 1958/59.

At the beginning of the year, asphalt concrete and seal-coat specifications were rewritten to take advantage of the latest development in testing, work techniques, and improvements in equipment design.

In the revised specifications for asphalt concrete paving, Marshall design criteria were specified, aggregate requirements redefined, widely accepted improvements in plant equipment called for, revised methods of operation required, and compaction of pavements to measured densities specified. Seal-coat specifications were rewritten largely on an experimental basis to meet theoretical concepts presently being tested.

In order to carry out field design and control, eight mobile field testing laboratories were put into use in addition to the static paving laboratory which was set up in Vancouver in 1957. Laboratories controlling asphalt concrete work were provided with six diamond core drilling trailers for systematic sampling of compacted pavement.

The asphalt concrete paving programme did not proceed as well as hoped. A construction strike delayed preparatory work. The long hot summer resulted in forest closures and the shut-down of operations in danger areas.

The seal-coat programme was carried out under careful control as experimental work. Preliminary results were most encouraging and were of considerable assistance in formulating a design and construction procedure for 1959. Performance studies will be made of these sections for the duration of their useful life.

Arterial-street improvements were carried out in Kelowna, Kamloops, Prince George, Dawson Creek, and Burnaby.

Early in the summer, surfacing work was undertaken for the Toll Bridge Authority at Kelowna. Kelowna Bridge approaches were paved with asphaltic concrete and the concrete bridge deck surfaced with an experimental thin wearing coat of high void sand-asphalt mixture, which appears to be performing satisfactorily.

In November and December, 1959, a limited experiment in soil-cement construction was carried out on Project No. 909 immediately south of Oak Street Bridge to determine the desirability of using a soil-cement base for the Deas Island Tunnel throughway.

In the spring of 1959 a short course on seal-coat design and construction was given to selected field staff in Victoria. A more elaborate training and research programme, planned to take place in Vancouver, had to be cut short to provide supervisory staff for basic construction and asphalt paving on the Deas Island Tunnel throughway, on which construction commenced in February, 1959.

The quantities of major materials used in the paving programme for the year were as follows:—

In paving contracts—		
Pit-run gravel (base)	tons	66,325
Crushed gravel (2-inch and ¾-inch)	tons	49,063
Sand	tons	270
Shoulder gravel, in place	tons	66,875
Asphalt for prime-coat	gal.	124,091
Asphalt for seal-coat	gal.	407,133
Mineral aggregate for seal-coat	tons	21,328
Hot-mix pavement, machine-laid	tons	294,995
Concrete curb and gutter	lin. ft.	22,443
Storm-drains, 8- to 30-inch diameter	lin. ft.	12,583
In other work—		
Asphalt for pulvimixing (base process)	gal.	448,135
Hot-mix material supplied to districts	tons	3,547

PAVING PROGRAMME, 1958/59

Project No.	Highway and Section	Miles Completed	Remarks
	Plant-mix Paving Contracts		
	Trans-Canada Highway—		
S-8158	Malahat–Mill Bay	8.76	
S 8258	Cheam Creek–Twin Bridges	1.75	
	Twin Bridges–Lorenzetti Creek	6.02	1.2 miles of three-lane.
S-8358	Yale–Emory Creek	1.52	
	Spuzzum Creek section	3.60	
S-8458	Chase–Sorrento	8.38	0.10 mile uncompleted at Chase Overhead Bridge.
	Chase section	0.80	Recap.
	Total plant-mix pavement, Trans-Canada Highway	30.83	
S-0158	Canadian Highway—		
	Port Alberni Arterial and east to Alberni Highway	2.61	
	Alberni Highway to Comox District boundary	3.60	Recap.
	District boundary to MacMillan Park	2.32	Recap.

PAVING PROGRAMME, 1958/59—*Continued*

Project No.	Highway and Section	Miles Completed	Remarks
	Plant-mix Paving Contracts—Continued		
S-0258	Kitimat, Terrace Airport, and Northern Trans-Provincial Highways—		
	Kitimat–Lakelse	24.28	
	Skeena Bridge to Airport boundary	3.96	
	Skeena Bridge to Kitimat Highway	0.50	
S-0358	Burnaby Arterial, East Hastings Street — Gilmore Avenue to Willingdon Avenue	0.49	Includes storm-drainage, curb and gutter.
S-0458	Columbia Valley Road—Cultus Lake section to Lydall Beach Road	5.10	Includes application of ¾-inch crushed-gravel base.
S-2158	Okanagan Highway—		
	Powers Creek section	1.18	
	West approach, Kelowna Toll Bridge	1.46	Paved to various widths.
	Kelowna Bridge deck	0.54	Sand-asphalt mix.
	East approach, Kelowna Bridge (Kelowna)	0.35	Paved, 36 ft. wide.
	Harvey Ave., Abbot St. beyond Richter St.	0.60	Paved, 48 ft. wide.
	Abbot St., Bernard Ave. to Harvey St.	0.18	
	Bernard Ave., Ellis St. to Richter St.	0.21	Paved 15-ft. wide parking-lane.
S-2358	Kamloops Arterials (Highway No. 5)—Eighth Ave., Columbia St. to Victoria St., and Lorne St. from Bridge St. easterly	0.62	Includes storm-drainage, curb and gutter.
S-4258	Southern Trans-Provincial Highway—		
	Goatfell to Curzon junction	3.10	
	Yahk section	1.00	Recap.
	Irishman Creek–Aldridge	9.39	
	Moyie Lake section	0.30	Recap.
	Moyie north to Lot 2798	7.65	
S-6158	Prince George Arterials—		
	First Ave., Victoria St. to Hamilton St.	0.68	Includes storm-drainage, curb and gutter; not completed, 0.2 mile.
	Victoria St., Eleventh Ave. to Seventeenth Ave.	0.23	Includes storm-drainage, curb and gutter.
S-6258	Dawson Creek Arterial, Alaska Ave.—Eighth St. to Jackson St. (Seventeenth St.)	1.13	Includes storm-drainage, curb and gutter.
790	Lougheed Highway and North Road Connection—		
	Boundary Road–North Road	3.67	Included in Road Project No. 790, and was partly completed last year; section is four lanes.
	North Road connection	0.29	Also part of Road Project No. 790.
895	Marine Drive and Taylor Way—Capilano Bridge to new Trans-Canada Highway	1.68	Included in Road Project No. 895; section is four lanes, with curbs, etc.
	Total plant-mix pavement, other highways	77.12	
	Total plant-mix pavement, all highways, by contract	107.95	
	Road-mix Paving Contracts		
	Trans-Canada Highway—*Nil*	------	
S-0558	Squamish Highway—Horseshoe Bay–Britannia Beach	19.10	
S-6358	Cariboo Highway—Cottonwood River–Strathnaver	------	Primed only, not completed; length is 20.93 miles.
	Total road-mix pavement, all highways, by contract	19.10	
	Seal-coat Contracts		
S-2258	Trans-Canada Highway—		
	Spences Bridge–Martel	13.10	
	Ashcroft Manor–Cache Creek	6.00	
	Total seal-coat, Trans-Canada Highway	19.10	
S-2258	Cariboo Highway—Cache Creek–Clinton	25.20	
S-4158	Southern Trans-Provincial Highway—		
	Okanagan Falls–Vaseux Lake	4.60	
	Osoyoos west to Graveyard Hill	3.20	
	North Nine Mile Creek to Jolly Jack Creek	40.50	
	Total seal-coat, other highways	73.50	
	Total seal-coat, all highways, by contract	92.60	

PULVIMIXING BY CREWS OF PAVING ENGINEER

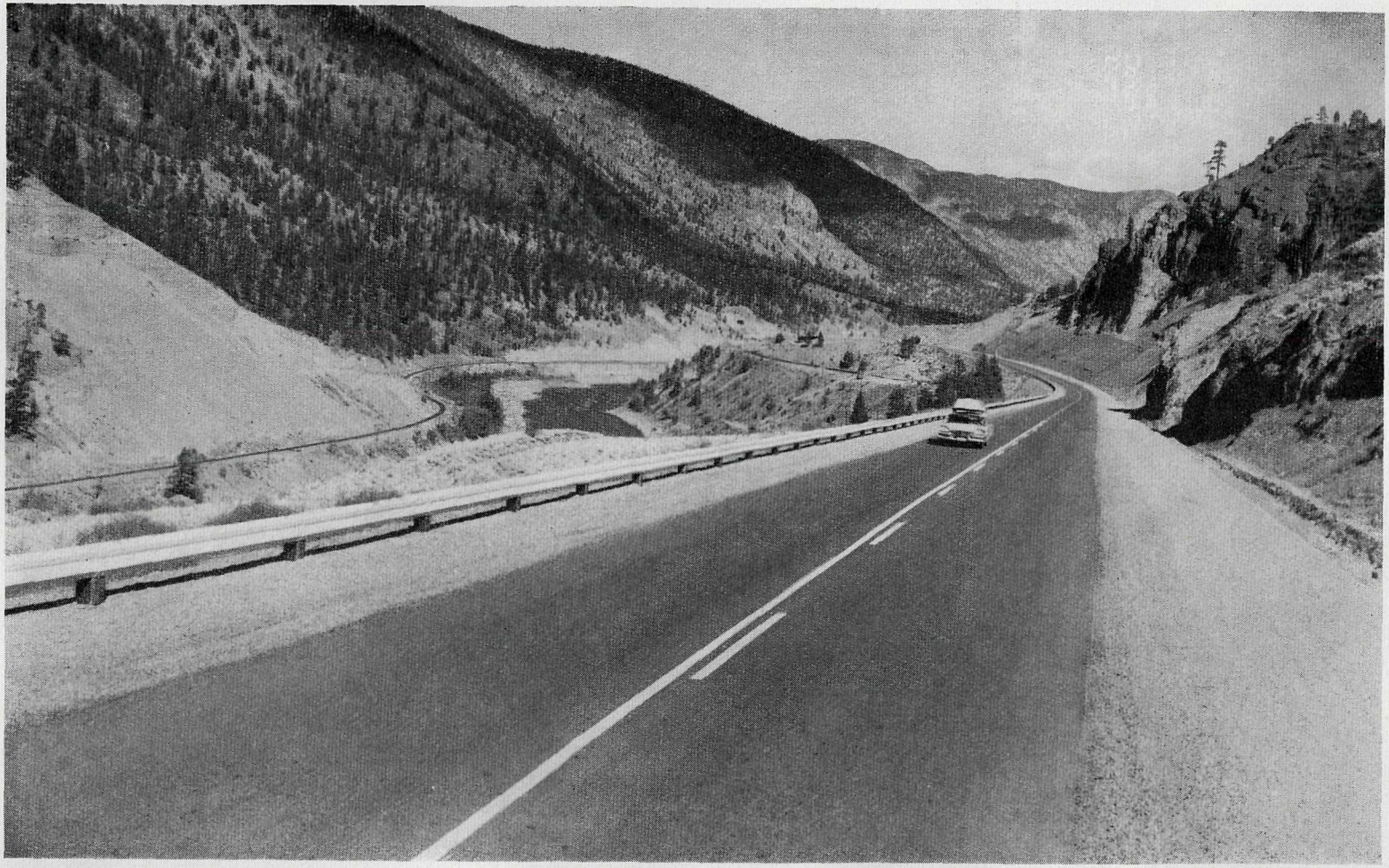
Highway and Section	As Base Process Preparatory to Paving	As Road-mix Pavement	Remarks
Trans-Canada Highway			
Malahat–Mill Bay	6.00	.....	
Chilliwack west on new highway	3.15	.....	Two lanes only done on four-lane section.
Lorenzetti Creek–Cheam	6.20	.....	
Spences Bridge–Tank Hill	11.02	.....	
Chase–Sorrento	8.38	.....	
Total pulvimix, Trans-Canada Highway	34.75	.....	
John Hart Highway			
Mile 27 to Mile 43.8 north of Prince George	.....	4.80	12 miles were credited to 1957/58.
Mile 90 north of Prince George	.....	0.50	
Northern Trans-Provincial Highway			
Mile 55 to Mile 60 west of Smithers (to Skeena Crossing)	.....	5.90	
Evelyn–Doughty section	.....	2.20	
Moricetown section	.....	.....	Primed only, 2 miles.
Endako easterly	.....	14.20	
Peden's Hill (west of Prince George)	.....	0.15	
Kootenay–Columbia Highway			
Spillimacheen–Brisco	.....	6.90	
South Vermilion Canyon section	.....	1.67	
Radium junction northerly	.....	0.90	
Balfour–Kaslo Highway			
Mile 2.0 to Mile 3.5 north of Balfour	.....	1.50	
Woodbury Creek south	.....	5.00	
Miscellaneous Highways			
Elko–Roosville, new highway	22.90	.....	Completed except at site of Elk River Bridge.
Old Hazelton street (unorganized)	.....	1.00	
Total pulvimix, other highways	22.90	44.72	
Total pulvimix, all highways, by Departmental crews	57.65	44.72	(Total miles of work, 102.37.)

SUMMARY OF PAVING PROGRAMME, 1958/59

Type of Work	Trans-Canada Highway	Other Highways	All Highways
	Miles	Miles	Miles
Plant-mix paving by contract	30.83	77.12	107.95
Road-mix paving (pulvimix) by department headquarters	.....	44.72	44.72
Road-mix paving by district crews	11.40[1]	50.55[2]	61.95
Base process (road mix) by contract	.....	19.10	19.10
Base process (road mix) in road contracts	5.57	26.70	32.27
Base process (pulvimix) by Department headquarters	34.75	22.90	57.65
Seal-coat by contract (a maintenance item)	19.10	73.50	92.60
Seal-coat by district crews (a maintenance item)	.....	45.75	45.75
Inverted prime treatment by Department headquarters	.....	8.90	8.90

[1] Base process.
[2] Mostly as pavement.

E. C. WEBSTER,
Director of Construction.



Trans-Canada Highway near Spences Bridge.

REPORT OF THE SENIOR LOCATION ENGINEER

Highway location surveys and design completed during the fiscal year 1958/59 are detailed in the following report, totalling 240 miles of final location and 146 miles of office design and estimates.

The total cost of surveys amounted to $804,922.51, which is detailed as follows:—

Trans-Canada Highway	$158,829.31
General highways	459,023.70
Legal surveys	85,298.72
Mining-roads (Cassiar Road)	101,770.78
Total	$804,922.51

Legal surveys of right-of-way, completed by Department personnel, private land surveyors, and in conjunction with the Surveyor-General's Department, are also detailed in this report.

SURVEY REPORT, APRIL 1ST, 1958, TO MARCH 31ST, 1959

	Total Mileage	Reconnaissance, 1958	Aerial Mapping, 1958	Preliminary Lines, 1958	Location Survey, 1958	Office Design, 1958	Previously Completed Design
Trans-Canada Highway							
Horseshoe Bay Overhead	0.41	.....	.....	.....	.....	0.20	.....
Taylor Way–Second Narrows (four-lane expressway)	5.75	.....	.....	.....	.....	0.75	5.00
Second Narrows–Port Mann (four- to eight-lane freeway)	12.30	.....	.....	.....	3.00	1.00	9.30
Port Mann–Abbotsford (four- to six-lane freeway)	28.50	.....	.....	29.75	19.30	9.32	8.06
Abbotsford–Vedder Crossing (four to six-lane expressway)	10.30	.....	.....	.....	.....	.....	.....
Hope–American Creek	3.73	.....	.....	1.30	2.30	2.96	.....
Tunnels–Boston Bar	10.22	.....	.....	1.00	0.50	6.46	3.76
Siska Creek	3.10	.....	.....	3.30	3.10	.....	.....
Lytton approaches	1.60	.....	.....	2.00	1.60	.....	.....
Spences Bridge relocation	1.80	.....	2.00	3.70	3.60	.....	.....
Kamloops By-pass	4.86	.....	.....	.....	.....	.....	.....
Campbell Creek Overhead	0.90	.....	.....	2.80	0.90	.....	.....
Chase By-pass	2.10	.....	.....	2.10	.....	.....	.....
Sicamous–Malakwa	12.88	.....	.....	.....	3.21	12.88	.....
Clanwilliam–Three Mile Crossing	3.77	.....	.....	.....	.....	3.77	.....
Three Mile Crossing–Glacier Park	32.51	.....	.....	.....	.....	5.05	27.46
Glacier Park–Donald	20.95	.....	.....	.....	.....	1.68	19.27
Park Bridge–Yoho Park Gates	7.21	.....	.....	.....	7.21	.....	.....
Totals	.....	.....	2.00	45.95	44.72	44.07	.....
Southern Trans-Provincial Highway							
Osoyoos By-pass	5.88	.....	.....	.....	.....	.....	.....
Boundary Falls–Spencer Hill	11.75	.....	.....	.....	.....	.....	.....
Christina Creek–Sheep Lake	24.26	.....	.....	2.00	4.40	3.59	12.66
Sheep Lake–Castlegar	24.03	.....	.....	.....	.....	8.51	15.52
Castlegar–Meadow Siding	19.20	.....	.....	21.89	10.45	.....	.....
Columbia River–Brilliant Dam	2.62	.....	.....	2.73	2.62	.....	.....
West Trail–Merry's Flats	3.11	.....	.....	5.86	3.11	.....	.....
Sheep Lake–Rossland	17.71	.....	.....	.....	.....	.....	.....
Junction of Highway No. 6 to Summit Lake	15.20	.....	.....	.....	.....	.....	12.11
Summit Lake–Creston	26.55	.....	.....	.....	.....	7.45	6.17
Cranbrook–Fort Steele Junction	4.43	.....	.....	5.00	4.43	.....	.....
Totals	.....	.....	.....	37.48	25.01	19.55	.....
Northern Trans-Provincial Highway							
Terrace–Usk	15.06	.....	.....	.....	.....	.....	1.64
Usk–Cedarvale	31.40	.....	.....	.....	.....	.....	.....
Hazelton–Seaton	15.40	.....	.....	6.80	10.60	.....	.....
Houston–Topley	20.43	.....	.....	.....	.....	.....	.....
Burns Lake By-pass	2.70	.....	.....	.....	.....	.....	.....
Burns Lake-Endako	28.40	.....	.....	.....	.....	.....	7.66
Sweden Creek west	20.10	.....	.....	.....	4.40	.....	.....
Prince George–Tabor Lake	9.19	.....	.....	.....	.....	.....	.....
Tabor Lake–Lamming Mills	107.00	.....	.....	23.32	16.17	.....	15.56
Tête Jaune–Alberta Boundary	51.00	.....	.....	.....	.....	.....	.....
Totals	.....	.....	.....	30.12	31.17	.....	.....

SURVEY REPORT, APRIL 1ST, 1958, TO MARCH 31ST, 1959—*Continued*

	Total Mileage	Reconnaissance, 1958	Aerial Mapping, 1958	Preliminary Lines, 1958	Location Survey, 1958	Office Design, 1958	Previously Completed Design
Okanagan Highway							
Peachland–Powers Creek	6.18	.....	.....	.....	.....	.....	.....
Kelowna–Postill	5.79	.....	.....	.....	.....	3.00	.....
Ellison Overhead	1.51	.....	.....	.....	.....	0.40	1.51
Totals	.....	.....	.....	.....	.....	3.40	.....
Cariboo Highway							
Cale Creek–John Hart Highway	11.40	.....	.....	.....	.....	6.40	5.00
Dog Prairie–Barkerville Road	12.17	.....	.....	.....	.....	3.00[1]	12.17
Quesnel Access	0.93	.....	.....	.....	.....	0.50	.....
Totals	.....	.....	.....	.....	.....	9.90	.....
Island Highways							
Alberni–Port Alberni	1.00	.....	.....	.....	.....	1.00	.....
Alberni–Cumberland	34.40	.....	.....	.....	.....	.....	.....
Campbell River–Sayward	38.80	.....	.....	.....	.....	.....	.....
Sayward–Port Hardy	82.40	.....	.....	.....	.....	.....	.....
Campbell River–Nimpkish Valley–Port Hardy	150.00	.....	.....	0.70	3.00	.....	.....
Angel Rock	0.20	.....	.....	.....	.....	.....	.....
Shawnigan Lake Road	3.46	.....	.....	3.60	3.46	.....	.....
Sahtlam–Summit Sawmills	8.30	.....	.....	8.40	8.30	.....	.....
Bazan Bay–Swartz Bay	5.10	.....	.....	5.86	5.10	.....	.....
Totals	.....	.....	.....	18.56	19.86	1.00	.....
North Thompson Highway							
Little Fort–Blue River	94.00	.....	.....	.....	.....	.....	6.00
Blue River–Tête Jaune	73.00	.....	.....	56.05	57.60	.....	.....
Totals	.....	.....	.....	56.05	57.60	.....	.....
Lower Mainland Roads							
Deas Tunnel–U.S. Border (four-lane freeway)	18.50	.....	.....	5.80	7.70	7.24	1.00
Squamish–Woodfibre	7.00	.....	.....	.....	.....	.....	.....
Squamish–Cheekye	8.02	.....	.....	.....	.....	.....	.....
Squamish–Britannia Beach	5.00	.....	.....	.....	.....	.....	.....
Gibsons west	6.70	.....	.....	.....	.....	6.70	.....
Vasey Road–Ladner Trunk–Boundary Bay	5.00	.....	.....	3.00	1.80	1.80	.....
Totals	.....	.....	.....	8.80	9.50	15.74	.....
Cassiar Road							
Sawmill Point–Stewart	252.00	.....	.....	55.00	24.66	43.60	25.55
Aiyansh–Meziadin Lake (alternate route)	80.00	.....	.....	.....	.....	.....	.....
Totals	.....	.....	.....	55.00	24.66	43.60	.....
Kootenay–Columbia Highway							
Fort Steele–Wasa	5.50	.....	.....	.....	.....	.....	.....
Wasa–Canal Flats	24.31	.....	.....	.....	2.97	.....	.....
Canal Flats–Windermere	26.33	.....	.....	.....	.....	.....	.....
Totals	.....	.....	.....	.....	2.97	.....	.....
Miscellaneous Highways							
Spences Bridge–Merritt	20.00	.....	.....	1.90	4.50	.....	0.55
Balfour–Kaslo	25.00	.....	.....	.....	.....	.....	.....
Bridge River Road	33.20	.....	.....	0.70	7.90	7.90	25.30
Williams Lake–Meldrum Creek	15.00	20.00	.....	.....	.....	.....	.....
North Kamloops By-pass	1.48	.....	.....	0.40	1.50	.....	.....
West Robson–Celgar Plant	0.66	.....	.....	1.20	1.40	0.66	.....
Terrace–Lakelse	13.08	.....	.....	9.37	9.47	.....	.....
Salmo–Ymir	2.91	.....	.....	3.16	2.91	.....	.....
Ymir–Euphrates	8.75	.....	.....	7.81	8.75	.....	.....
Edgewood–Renata–Celgar	44.70	44.70	.....	.....	.....	.....	.....
Goat River Canyon	1.08	.....	.....	1.39	1.08	.....	.....
Totals	.....	64.70	.....	25.93	37.51	8.56	.....
Grand totals	.....	64.70	2.00	280.89	240.00	145.82	.....

[1] Revision.

LEGAL SURVEYS, APRIL 1ST, 1958, TO MARCH 31ST, 1959

Trans-Canada Highway

Thetis Overpass to Thetis Lake Road.
Langford Cut-off to Goldstream.
Malahat Chalet to Fitzgerald Road.
Fitzgerald Road to Mill Bay (part).
Second Narrows Bridge north approach.
Koksilah Junction Sections 12 and 13.
Chase River to Bush Creek (part).
District Lot 72 (north boundary) to District Lot 43 (near Ladysmith).
Abbotsford–Mount Lehman–Everett Road to abandoned railway, Parcel A (part).
Indian reserves: Cowichan No. 1, Seymour Creek No. 2, Bucktum No. 4, Tsawawmuck No. 1, Sam Adams No. 12, Two Mile Creek No. 16A, Klakamich No. 17 (part), Klickkumcheen No. 18 (part), Mauvais Rocher No. 5, Lower Shawniken No. 4A, Spences Bridge No. 4, Spuzzum No. 1, Tsintahktl No. 2, Kahmoose No. 4, Boothroyd No. 5C, Seymour Creek No. 2, Nicomen No. 3 and Graveyard, Stegumwhulpa No. 5 (part), Chum Creek No. 2 (part), and Albert Flat No. 5 (part).

Southern Trans-Provincial Highway and Alternates

Moyie: Lots 1, 4, and 5, Block 11, District Lot 2375.
Trail–Fruitvale: Plans 785B, 785A, District Lot 1236, and Plan X 67.
Trail–Fruitvale–Nelson–Fort Shepherd Railway: District Lot 1236 and District Lot 42.
Yahk–Kingsgate.

Okanagan Highway and Alternate 97N

Summerland Municipality: Sixteenth Street, north boundary of District Lot 675 to north boundary of District Lot 2536.
Trout Creek–Summerland (part).
Grindrod Bridge approaches (part).
Through Falkland: Legal Subdivision 15, Section 3; Lot 7, Legal Subdivision 11, Section 2.
Indian reserve: Tsinstikeptum No. 10.

Cariboo and John Hart Highways

Arras–Dawson Creek.
Fraser River Bridge to Prince George By-pass (part).
Quesnel (S. ½ Lot 6190) to Cottonwood River (part).

Northern Trans-Provincial Highway

Houston westerly to Bulkley River: Lot 333 to Lot 340, Range 5, Coast District.
Burns Lake–Decker Lake: Vacant Crown land and Lot 5341 to Lot 6425, Range 5, Coast District.
Decker Lake–Palling: Lot 820 to Lot 814, Range 5, Coast District.
Indian reserves: Moricetown No. 1, Moricetown No. 2, Babine No. 17, Kitseguecla No. 1, Kitseguecla No. 2, and Burns Lake No. 18.

Miscellaneous Highways

Highway No. 93: Custom-house property, Roosville.
Highway No. 17: Dewdney Bridge, Lot 5900 (part).
Highway No. 17: Boundary Road–Delta Avenue, District Lots 118, 119, and 124.
Highway No. 17: Stave River Bridge, Lot 6043.

Highway No. 5: Allison Lake northerly, Lot 4750 to Lot 1751.
Highway No. 99: Oak Street Bridge connection, Sections 26 and 27, Block 5 north.
Highway No. 99: Sea Island connection, Lot 2, Section 29, Block 5 north.
Highway No. 99: Oak Street Bridge connection, Lot 3, Parcel A, Section 27, Block 5 north.
Highway No. 99: Deas Tunnel (water lot) (part).
Road No. 78R: Balfour–Kaslo, District Lots 4961, 8245, and 12075.
Road No. 78R: Balfour–Kaslo, District Lots 6899, 6895, 7080, and 6595 and Sub-lot 1.
Highway No. 4: Alberni–Port Alberni, Lots 1 and 2, District Lot 1.
Lands End Road, Saanich Peninsula, Vancouver Island, Lots 1 and 2, Section 24, Range 1 east.
Prince Rupert: Provincial wharf, foreshore lease, Block F.
Indian reserves: Capilano No. 5, Necoslie No. 1, Hagwilget Nos. 3 and 3A, Fishing Station Nos. 2 and 3 (part), and Tobacco Plains No. 2 (part).

J. P. HAGUE,
Senior Location Engineer.

REPORT OF THE RESEARCH AND DEVELOPMENT ENGINEER

TESTING BRANCH

Requests for the services of the Testing Branch in evaluating soils, foundations, and concrete problems increased considerably over the past year. Much of this increase resulted from a one-month training course given to the Regional Construction Engineers in the application of soil mechanics to highway construction. It is proposed that additional allied courses will be given each year.

The three drill rigs operated by the Testing Branch worked at full capacity over the past year with investigations made on twenty-six bridge-sites, sixteen landslides, forty-seven gravel-pits, and many other projects. A new Slidemaster drilling-machine capable of drilling horizontal as well as vertical holes was purchased for landslide stabilization employing horizontal drains. This method of stabilization represents a significant advance in landslide technology and has proved to be very economical.

A portable seismograph has also been purchased, which will provide additional sub-surface information.

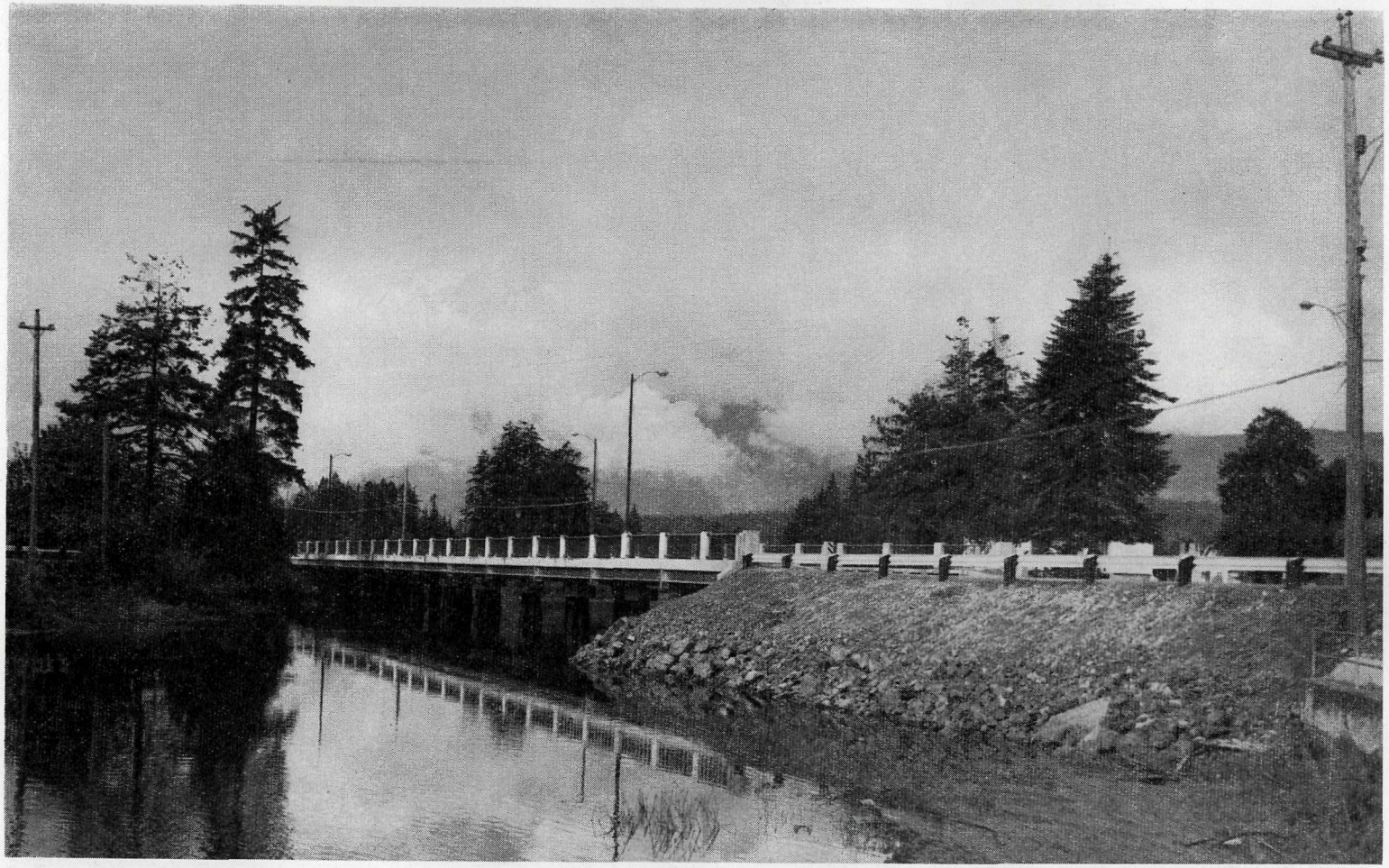
This year, research to evaluate the surcharge method for highway construction over muskeg was completed on Lulu Island. The study has revealed the procedure to be highly satisfactory and less expensive under certain circumstances than methods previously used.

The pavement-evaluation programme to develop criteria for spring load restrictions and base-gravel requirements is continuing. Preliminary design data should be available within one year.

The regional offices are carrying out much of the standard testing and inspection; consequently, the Victoria office is now dealing principally with the more detailed and technical investigations.

TRAFFIC BRANCH

This Branch continued a programme of traffic operations involving highway-signing, pavement-marking, traffic-volume surveys, channelization, lighting, signalization studies and installation, weigh-scale operation, and railway-crossing signals.



Kitsucksus Creek Bridge on River Road, Alberni. Length, 362 feet; width of roadway, 26 feet; two 5-foot sidewalks.

All the signs required by the Department were manufactured at the Department's own sign-shop. Installation of additional equipment has further improved the efficiency of this operation. Arrangements were completed for supply of metal sign blanks by the Oakalla Prison Farm.

Work continued with the Materials Engineer in the expansion and improvement of testing procedures for traffic paint. Three centre-line crews used about 32,000 gallons of paint and 144,000 pounds of glass beads in the marking of nearly 2,000 miles of road at a cost of approximately $150,000.

Channelization and lighting were installed at a number of locations throughout the Province. Reconstruction of the Lougheed Highway through Burnaby included a considerable amount of this type of work. Reflecting road studs were also installed on this project.

Numerous requests for signals and beacons were investigated, and where it was found that warrants were filled installations were made. Actuated signals were installed at major intersections on the Lougheed Highway through Burnaby.

Weigh-scale operations were expanded during the year, with staff increased from nineteen to thirty-eight employees.

With major assistance from the Federal Grade Crossing Elimination Fund, signals were installed or modernized at eight crossings.

Administration of regulations pertaining to private signings on highway right-of-way and in unorganized territory entailed considerable work for the Branch.

Liaison was maintained with the Royal Canadian Mounted Police regarding hazardous situations. Considerable study was also done in regard to increasing speed-limits.

Work was carried out in conjunction with the Bridge and Location Branches to ensure that planned facilities were adequate for expected traffic volumes.

The Department continued to participate in the work of the Technical Committee for Metropolitan Highway Planning and bore a considerable part of the necessary costs. The Part II study on "Freeways with Rapid Transit" was completed and published early in 1959. This report sets down highway needs of the Greater Vancouver area and gives a plan for stage construction to meet those needs. The report is a significant step in the development of transportation facilities in the Lower Mainland.

A new problem encountered during the year was the planning of adequate traffic facilities near large shopping centres. It is expected that this work will increase greatly in the next year or two.

E. B. WILKINS,
Research and Development Engineer.

REPORT OF THE CHIEF RIGHT-OF-WAY AGENT

Right-of-way negotiations for the 1958/59 fiscal year resulted in a total of 932 claims being completed. Three claims were referred to arbitration proceedings for adjudication.

Costs of rights-of-way and of all other properties acquired for public purposes by the Department totalled $4,173,739.61. The foregoing includes holdings purchased by the Department on behalf of the British Columbia Toll Highways and Bridges Authority.

Sales by public tender and by public auction of lands acquired surplus to highway requirements and of buildings to be cleared from rights-of-way numbered 149, with a recovery in funds to the Department in the amount of $181,363.95. Revenue from rentals prior to the public disposal of these buildings and from properties held for future construction projects totalled $12,464.52.

The high standard design of the freeways has resulted in substantially increased right-of-way costs. This is reflected in the current programme involving acquisition of rights-of-way in Lower Mainland areas where real-property valuations have progressively increased in recent years.

L. J. MOORE,
Chief Right-of-way Agent.

REPORT OF THE EQUIPMENT ENGINEER

During the year the Machinery Account was operated at a credit of $335,090.99 after expenditures totalling $3,786,858.30 for labour, repairs, fuel, stock, and overhead were deducted from the credit of $4,121,946.29 derived from the rental of equipment and sale of fuel.

The sum of $951,395.81 was expended in the purchase of new equipment, as follows: 6 graders, 1 tractor, 15 loaders, 114 trucks, 1 30-ton low-bed trailer, 2 road rollers, 1 pull grader, 1 pull scraper, and sundry small equipment such as caboose trailers, garage equipment, snow-ploughs, tar-kettles, etc.

F. A. MACLEAN,
Equipment Engineer.

REPORT OF THE SUPERINTENDENT OF COMMUNICATIONS

REGION No. 1

Equipment was obtained for the Lower Mainland–Fraser Valley network and will be installed as soon as suitable sites are fully developed.

REGION No. 2

This network was extended north from Clinton through Lone Butte to Williams Lake site of the Pacific Great Eastern Railway, and base stations were installed at Williams Lake office and 100 Mile House.

Base stations were installed at Lillooet and Revelstoke, and a total of twenty-one mobile units were installed in the South Cariboo, Lillooet, and Revelstoke Districts, together with an installation on the M.V. "Lardo" at Arrowhead. Two additional mobile units were also installed in the North Okanagan District.

REGION No. 3

Communication was extended eastward from Grand Forks through Nelson, Creston, Cranbrook, and Fernie. This involved installations on remote mountain sites at South Slocan (5,100 feet), Stagleap south of Salmo (6,900 feet), Moyie Mountain (7,000 feet), and a remote base station out of Fernie on Morrissey Ridge (6,900 feet). Some 5 miles of jeep-road and 4½ miles of power-line were constructed to service the South Slocan site.

Base stations were installed at Rossland, New Denver, Nelson, Creston, Cranbrook, and a control link in the Fernie office. Repeaters were installed at Kootenay Bay and Carmi to give extended mobile coverage in these areas.

At Stagleap and Moyie Mountain the heavy ice and wind conditions encountered necessitated the complete redesign of antenna systems and mountings to withstand this loading.

A total of forty-six mobile units were installed in the areas outlined, together with installations on the Kootenay ferries "Anscomb" and "Balfour."

Equipment was obtained for the system extension from Cranbrook north to Golden and will be installed as soon as suitable sites are fully developed.

REGION No. 4

Radio surveys were completed preparatory to the network extension north from Williams Lake through Prince George to the Peace River Districts and west from Prince George through Omineca East and a portion of Omineca West Districts.

GENERAL

Agreements were entered into with the Royal Canadian Mounted Police for their joint occupancy of a considerable number of our remote sites in their preliminary development of an identical communications system.

W. F. CONLAN,
Superintendent of Communications.

REPORT OF THE SUPERINTENDENT OF FERRIES

Fifty-seven ferries were operated under the jurisdiction of the Department of Highways during the 1958/59 fiscal year. The ferry system included thirteen Government-owned major ferries, eleven Government-owned power-cable ferries, sixteen Government-owned reaction ferries, seven Government-owned miscellaneous ferries, and ten privately owned chartered ferries.

Considerable attention was given to the maintenance and appearance of all vessels, and necessary overhauls were carried out during slack periods. Relief ferries were provided during overhaul periods wherever possible.

One of the major ferry services was discontinued at Kelowna on July 20th, 1958, when the new bridge was opened. The closure of this service left the "Pendozi," "Lequime," and "Lloyd Jones" idle. Due to the age and condition of the "Pendozi," it was not considered worth repairs and was therefore turned over to the City of Kelowna as an item of interest. The "Lequime" is at present being advertised for sale. The "Lloyd Jones" will be stored at Kelowna until required at another site.

TRAFFIC

During this period, 2,162,353 vehicles and 5,366,418 passengers (including drivers) were carried. This represents a decrease of 717,405 vehicles and a decrease of 1,758,529 passengers from last year. A large percentage of this decrease was due to the closure of the Kelowna Ferry service. Most of the major ferries showed a slight increase, but traffic declined on many of the smaller ferries. During this period the Castlegar Ferry carried the largest number of vehicles (551,700) and the Ladner Ferry carried 539,874 vehicles.

NEW CONSTRUCTION AND MAJOR REPAIRS

A new steel ferry named the "Ethel Hunter" was built and put into service between Chemainus and Thetis Island. The vessel is 64 feet long and has a capacity of seven vehicles and seventy-five passengers. New floating-type landings at Chemainus and Thetis Island were also built for this service.

Due to heavy increase of traffic to Quadra Island, it was necessary to replace the chartered ferry " Victory II " with a much larger vessel called the " Uchuck No. 1." The " Uchuck " has a passenger capacity of 100.

The Barnston Island Ferry was completely overhauled and a new diesel engine was installed.

A new steel passenger-ferry was built and put into service at Hudson Hope.

The aerial ferry system at North Bend was completely redesigned, and extensive changes and replacements were carried out. The new system is much safer and more efficient than the previous installation.

A new steel barge with a capacity of 50 tons was built for service at Clayhurst.

During this period the Ferries Branch spent a great deal of time and effort attending to the numerous details in connection with the construction of the two new Mainland ferries. These vessels are 330 feet long and will have a cruising speed of 18 knots with 6,000 horse-power. They will have a capacity of 106 vehicles and 500 persons. At present, one vessel is under construction at the Victoria Machinery Depot in Victoria and the other at Burrard Drydock in Vancouver.

SUMMARY OF REVENUE FROM FERRIES

Albion	$60,507.80
Arrow Lakes	22,716.24
Denman Island	8,325.65
Francois Lake	1,247.00
Kelowna	80,299.03
Kootenay Lake	230,916.00
Ladner	195,015.64
North Bend–Boston Bar	6,730.40
Thetis Island	371.80
Woodfibre	12,459.21
Total	$618,588.77

RECORD OF FERRY TRAFFIC

Ferry	Type	Number of Round Trips	Automobiles	Passengers, Exclusive of Drivers	Trucks, All Types	Trailers and Semi-trailers	Motor-buses	Motor-cycles	Rigs	Tons of Freight	Live Stock	Miscellaneous Vehicles	Total Motor-vehicles Carried
Albion	Pontoon (reaction)	14,100	116,325	112,786	6,491	601	50	99	.....	.....	.....	.....	123,566
Arrow Lakes (Upper) [1]	Power	776	2,392	4,790	1,336	50	2	.....	.....	78.82	.....	11	3,791
Arrow Lakes (Lower) [1]	Power	103	115	388	15	2	.....	.....	.....	655.72	.....	1	133
Arrow Park (East)	Power-cable scow	22,302	21,986	98,506	18,099	249	1,024	8	6	.....	27	.....	41,366
Barnston Island	Tug and scow	17,654	17,477	55,512	14,324	235	440	73	.....	.....	701	47	32,596
Big Bar	Pontoon (reaction)	822	.....	1,090	304	.....	.....	.....	.....	.....	13,503	12	316
Black Pool	Pontoon (reaction)	4,887	1,642	6,792	1,520	63	.....	4	12	.....	55	67	3,296
Brentwood [1] [2]	Power	6,632	46,462	60,805	2,155	399	228	119	1	.....	.....	.....	49,363
Castlegar	Power-cable scow	40,817	395,927	904,058	139,320	5,688	10,520	245	3	.....	614	.....	551,700
Cedarvale	Pontoon (reaction)	8,116	1,602	11,899	1,528	.....	.....	.....	.....	.....	.....	.....	3,130
Clayhurst (eight months)	Tug and pontoon	9,831	7,749	21,958	14,274	531	.....	26	.....	.....	643	128	22,708
Copper City (eleven months)	Pontoon (reaction)	1,967	243	4,026	29	.....	.....	.....	.....	.....	4	.....	272
Creston	Power-cable scow	29,556	17,095	66,690	23,317	.....	748	.....	.....	.....	244	220	41,380
Denman Island	Power	3,952	18,041	27,804	1,247	153	6	7	.....	.....	.....	20	19,474
Francois Lake (eleven months)	Power	3,257	16,932	40,407	7,059	3	39	.....	.....	.....	.....	.....	24,033
Gabriola [1]	Power	1,395	8,198	23,521	306	.....	.....	2	.....	348.10	1	.....	8,506
Glade	Power-cable scow	13,376	16,927	55,713	8,443	2	.....	4	13	.....	71	14	25,390
Gravelle	Pontoon (reaction)	2,399	529	3,508	1,503	.....	.....	.....	.....	.....	.....	.....	2,032
Gulf Islands [1]	Power	592	6,945	28,852	2,596	73	9	18	.....	884.25	7	13	9,654
Hansard (seven months)	Pontoon (reaction)	2,801	3,543	5,013	845	5	.....	.....	.....	.....	.....	.....	4,393
Harrop	Power-cable scow	23,549	39,031	107,148	11,686	348	833	451	.....	.....	1	97	52,446
Hornby Island [1]	Power	2,541	5,263	6,646	284	54	.....	1	.....	.....	.....	7	5,609
Hudson Hope (seven months)	Launch	214	.....	549	.....	.....	.....	.....	.....	.....	22	.....	.....
Isle Pierre	Pontoon (reaction)	3,684	1,625	7,000	543	25	5	37	68	.....	3	19	2,254
Kelowna [3] (four months)	Power	8,150	178,197	247,634	9,645	6,132	1,009	151	2	.....	4,000	.....	195,134
Kitwanga (eleven months)	Pontoon (reaction)	3,913	3,402	1,333	478	2	.....	.....	9	.....	.....	.....	3,882
Kootenay Lake	Power	4,669	110,010	256,673	20,365	7,597	2,692	97	.....	.....	.....	.....	140,761
Ladner	Power	15,475	492,623	459,071	39,525	3,887	2,904	935	.....	.....	.....	.....	539,874
Little Fort (eleven months)	Pontoon (reaction)	4,654	780	11,564	811	7	.....	.....	.....	.....	149	32	1,630
Lytton	Pontoon (reaction)	13,585	5,980	44,386	2,927	.....	.....	.....	952	.....	2,969	.....	8,907
Macalister	Pontoon (reaction)	9,337	6,005	20,085	5,245	.....	.....	.....	.....	.....	471	.....	11,250
McClure	Pontoon (reaction)	2,406	1,628	5,110	732	.....	.....	.....	.....	.....	1,994	.....	2,360
Monte Creek	Scow (reaction)	3,627	1,216	5,159	1,083	55	.....	8	.....	.....	582	3	2,365
Needles	Power-cable scow	14,226	18,863	53,049	10,515	515	870	12	.....	.....	104	.....	30,775
Nicks Island	Power-cable scow	15,790	7,954	17,738	8,973	.....	.....	.....	124	.....	281	.....	16,927
North Bend	Aerial	23,723	20,317	68,682	8,462	19	445	36	11	.....	.....	.....	29,279
Pavilion	Rowboat and cable-car	2,333	.....	4,674	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quathiaski Cove [1]	Launch	3,107	.....	69,051	.....	.....	.....	.....	.....	60.20	.....	.....	.....
Renata	Power-cable scow	5,680	6,378	21,164	2,501	55	352	.....	.....	.....	4	.....	9,286
Saltspring Island [1]	Power	1,891	28,109	54,458	3,288	102	24	140	.....	2,117.35	4	7	31,670
Shuswap [1]	Tug and barge	172	25	768	61	36	.....	.....	.....	1,298.60	4	28	150
Soda Creek	Pontoon (reaction)	4,596	1,324	6,461	2,592	12	3	21	29	.....	77	21	3,973

Texada Island[1]	Power	537	1,038	4,113	307	1	.....	.....	.....	464.83	.....	.....	1,346
Thetis Island[4] (one month)	Power	73	216	1,120	95	.....	.....	.....	.....	.....	.....	.....	311
Twelve Mile	Power-cable scow	19,995	18,549	47,698	16,061	2,054	697	2	.....	.....	27	20	37,383
Twenty-four Mile	Power-cable scow	18,925	18,400	58,517	14,637	759	1,355	.....	.....	.....	201	43	35,194
Usk	Pontoon (reaction)	9,951	3,851	17,740	1,483	.....	.....	.....	.....	.....	.....	.....	5,334
Vesuvius–Crofton[1]	Power	3,135	21,951	56,511	1,645	175	25	18	.....	1,929.25	3	12	23,826
Woodfibre	Power	1,859	3,047	15,845	277	4	.....	.....	.....	.....	.....	.....	3,328
Totals		407,132	1,695,912	3,204,065	408,932	29,893	24,280	2,514	1,230	7,837.12	26,766	822	2,162,353

[1] Privately owned ferries; freight shown on these ferries only (exception, Brentwood and Hornby Island Ferries).
[2] One ferry operating only, commencing October 17th, 1958.
[3] Discontinued July 20th, 1958—new bridge.
[4] Commenced operation March 18th, 1959—new ferry.

H. K. GANN,
Superintendent of Ferries.

Nicoamen River Bridge, 10 miles east of Lytton on Trans-Canada Highway. Length, 220 feet; width of roadway, 30 feet.

REPORT OF THE INSURANCE AND SAFETY OFFICER

The number and cost of traffic accidents involving Government vehicles are as follows:—

Total number of accidents		419[1]
Number of claims in which we recovered our repair cost	68 =	$8,153.77
Recoveries pending	24 =	6,022.06
Total		$14,175.83
Number of property damage claims in which we paid out	71 =	$10,587.23
Bodily injury claims in which we paid out	4 =	3,200.31
Various claims pending	18 =	4,265.02
Total		$18,052.56
Number of accidents in which no claim either side		218
Number of accidents in which only Government vehicles involved		96

[1] In 1957/58 there were 468 accidents.

Motor-vehicles Involved in Accidents

(1957/58 figures in parentheses.)

Department	Number of Accidents	Number of Vehicles	Percentage of Vehicles	Percentage of Accidents
Agriculture	8 (8)	75 (76)	2.0 (2.0)	1.9 (1.7)
Attorney-General	20 (17)	114 (105)	3.0 (2.8)	4.8 (3.6)
Finance	2 (11)	75 (73)	2.0 (1.9)	0.5 (2.4)
Forest Service	87 (118)	864 (865)	22.7 (23.0)	20.7 (25.2)
Health	38 (38)	157 (157)	4.1 (4.2)	9.1 (8.1)
Highways and Public Works	205 (207)	1,968 (1,962)	51.9 (52.2)	48.9 (44.2)
Lands	5 (3)	77 (78)	2.0 (2.1)	1.2 (0.7)
Recreation and Conservation	28 (29)	233 (229)	6.1 (6.1)	6.7 (6.2)
Welfare	13 (15)	90 (88)	2.4 (2.3)	3.1 (3.2)
All others	13 (22)	146 (128)	3.8 (3.4)	3.1 (4.7)
Totals	419 (468)	3,799 (3,761)	100.0 (100.0)	100.0 (100.0)

Total assessments recommended, $1,860.45 (includes one salary cheque withheld, $263.50).

Comparisons by Years of Claims Paid or Pending against the Government

1955/56	$15,450.00	1957/58	$26,851.00
1956/57	16,230.00	1958/59	18,052.00

Damages Recovered or Pending Recovery

1955/56	$15,791.00	1957/58	$13,473.00
1956/57	17,065.00	1958/59	14,175.00

Damage Cost

Estimated damage to Government vehicles	$61,029.00
Less damage recovered or pending	14,175.00
Net cost to repair Government damage	$46,854.00
Add claims paid or pending to others	18,052.00
Estimated total damage cost resulting from accidents	$64,906.00
Estimated total damage cost resulting from accidents, 1957/58	69,496.00

Totals for all types of claims: Recovered, $33,532; paid out, $30,804.

Premiums Paid for Insurance Placed during 1958/59

Department of Highways	$53,255.00
British Columbia Toll Highways and Bridges Authority	151,944.00
All other departments	9,587.00
Total	$214,786.00

Workmen's Compensation Board Claims and Payments

Workmen's Compensation claims, including medical care, are as follows:—

Total of all claims paid in 1958 calendar year	$500,599.49[1]
Payment of claims which originated during 1958	322,606.08[2]

[1] Includes eight fatal accidents, five permanent total disability accidents, and forty-three permanent partial disability accidents, $238,517.12.

[2] Includes seven fatal and eight permanent partial disability accidents, $123,602.76.

Workmen's Compensation Board payments to Highway personnel are as follows:—

For 1958 calendar year	$123,379.13[1]
Payment for claims which originated in 1958	80,022.12[2]

[1] Includes one fatal and nine permanent partial disability accidents, $40,418.34.

[2] Includes one fatal and two permanent partial disability accidents, $16,689.36.

Safety promotional work was carried out as usual. Safety Committees are functioning in most districts.

Eighteen meetings of the Interdepartmental Safety Committee were held, with an average attendance of seven members. We wish again to extend our thanks and express our appreciation to the members for their co-operation.

The number and variety of claims reaching this office shows little change.

J. A. LONSBURY,
Insurance and Safety Officer.

REPORT OF THE PERSONNEL OFFICER

There was a sharp reduction in the amount of correspondence between this office and the field, positive proof that regional administrators are progressively assuming more control of personnel problems.

The Civil Service Commission authorized Personnel Officers of departments to perform job evaluations for clerical, stenographic, and engineering positions. All representations for job surveys in these categories have been processed by this office, and recommendations forwarded to the Commission, and in each case the recommendations have been acceptable.

The Department participated in a Civil Defence Rescue Course in Vancouver, attended by twenty-four senior employees.

Meetings were held between the Civil Service Commission and the Departmental Personnel Officers. The technical staffs of the Civil Service prepared a programme embracing most aspects of personnel administration. The result has been a better understanding of Departmental and Civil Service Commission problems, advancement in personnel techniques, and a closer relationship between Departmental Personnel Officers.

Mr. E. S. Jones, Deputy Minister, retired on August 31st, 1958. His successor was Mr. H. T. Miard, previously Assistant Deputy Minister. He, in turn, was replaced by Mr. D. R. McLeod, previously Regional Highway Engineer, Kamloops.

The Kelowna–Westbank Ferry discontinued service on July 19th, 1958. The problem of placing employees thereafter met with success. All employees interested in continuing employment with the Government were placed in other positions.

H. C. DAVIES,
Personnel Officer.

TENDERS RECEIVED AND CONTRACTS AWARDED, FISCAL YEAR 1958/59

BRIDGES, FERRIES, AND FERRY-LANDINGS

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
BRIDGE PROJECT NO. 22 (1958)—SUPPLY AND DELIVERY OF STEEL FENCES FOR DIVERS HIGHWAY BRIDGES:		
Dominion Bridge Co. Ltd. (Pacific Division)	$19,903.14	Awarded.
Gilchrist Engineering & Sales Ltd.	$20,346.48	
A.I.M. Steel Ltd.	20,720.19[1]	
Coast Steel Fabricators Ltd.	22,051.77	
Westminster Iron Works Co. Ltd.	22,425.31	
Tryson & Son Iron Works Ltd.	23,160.01[1]	
Alberni Engineering & Shipyard Ltd.	24,934.59	
Western Bridge & Steel Fabricators Ltd.	25,989.28	
BRIDGE PROJECT NO. 22 (1958)—SUPPLY AND DELIVERY OF STEEL PIPE RAILINGS FOR DIVERS HIGHWAY BRIDGES:		
Canadian Car (Pacific) Ltd.	16,190.57	Not awarded. Federal and B.C. sales taxes not included; deposit cheque not certified.
A.I.M. Steel Ltd.	17,586.52	Federal sales tax not included.
Royal City Welding & Iron Works	18,900.19[1]	Federal sales tax not included.
Canadian Sumner Iron Works Ltd.	19,736.65	Federal sales tax not included.
Grinnel Co. of Canada Ltd.	19,418.07	Federal and B.C. sales taxes not included.
Coast Steel Fabricators Ltd.	19,992.77	
Ross & Howard Iron Works Co. Ltd.	20,535.86	
BRIDGE PROJECT NO. 22 (1958(2))—SUPPLY AND DELIVERY OF STEEL FENCES FOR DIVERS HIGHWAY BRIDGES:		
Gilchrist Engineering & Sales Ltd.	47,737.88[2]	Awarded. B.C. sales tax not included.
Westminster Iron Works Co. Ltd.	$47,737.88[2]	Tender not in order (unsigned).
Coast Steel Fabricators Ltd.	49,672.52	Also alternative bid based on part foreign steel ($44,948.88).
Tryson & Son Iron Works Ltd.	51,984.04[2]	Bid as lump sum.
Western Bridge & Steel Fabricators Ltd.	52,762.92	B.C. sales tax not included.
Canadian Car (Pacific) Ltd.	53,410.29[2]	Bid as lump sum.
Dominion Bridge Co. Ltd. (Pacific Division)	59,295.46	Bid as lump sum. Federal and B.C. sales taxes not included.
Royal City Welding & Iron Works Ltd.	59,538.61	Bid as lump sum.
A.I.M. Steel Ltd.	61,599.84	Bid as lump sum.
BRIDGE PROJECT NO. 183—FABRICATION, SUPPLY, SHOP PAINTING, DELIVERY, AND ERECTION OF STEEL SUPERSTRUCTURE, ALEXANDRA BRIDGE (FRASER RIVER), TRANS-CANADA HIGHWAY, YALE ELECTORAL DISTRICT:		
A.I.M. Steel Ltd.	2,163,512.86	Awarded in amount $2,262,283.34 (specifications revised).
Dominion Bridge Co. Ltd. (Pacific Division)	$2,263,337.05	
Barker Construction Co. Ltd.	2,381,916.00	
Western Bridge & Steel Fabricators Ltd.	2,537,132.41	

[1] No list of equipment attached.
[2] Proposed construction schedule attached.

BRIDGES, FERRIES, AND FERRY-LANDINGS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
BRIDGE PROJECT NO. 185—CONSTRUCTION OF SUBSTRUCTURE (GENERAL CONTRACT), REVELSTOKE BRIDGE (COLUMBIA RIVER), TRANS-CANADA HIGHWAY, REVELSTOKE ELECTORAL DISTRICT:		
Sir Lindsay Parkinson (Canada) Ltd.	$850,242.30	Awarded.
Raymond International Co. Ltd.	$918,137.00	
John Laing & Son (Canada) Ltd.	979,905.15	
Marwell Construction Co. Ltd.	988,991.60	
Peter Kiewit Sons' Co. of Canada Ltd.	1,045,361.75	
Highway Construction Co. Ltd.	1,048,635.15	
Poole Construction Co. Ltd.	1,109,149.65[1]	
Pacific Bridge Co. of B.C. Ltd. and General Construction Co. Ltd.	1,111,959.00	
Northern Construction Co. and J. W. Stewart Ltd.	1,170,820.00	
Emil Anderson Construction Co. Ltd.	1,249,913.70	
Burns & Dutton Concrete & Construction Co. Ltd.	1,375,610.00	
Dravo of Canada Ltd.	1,867,990.00	
BRIDGE PROJECT NO. 185—SUPPLY AND CONSTRUCTION OF STEEL SUPERSTRUCTURE, REVELSTOKE BRIDGE (COLUMIA RIVER), TRANS-CANADA HIGHWAY:		
Western Bridge & Steel Fabricators Ltd.	1,120,898.00	Awarded.
Barker Construction Co. Ltd.	$1,260,880.00	
Dominion Bridge Co. Ltd.	1,263,450.00	
BRIDGE PROJECT NO. 229 (CONTRACT NO. 1)—SUPPLY AND ERECTION OF STRUCTURAL STEELWORK, MAIN CHANNEL SPAN, QUEENSBOROUGH BRIDGE, NORTH ARM OF FRASER RIVER, CITY OF NEW WESTMINSTER:		Dept. of Highways advertised this contract for City of New Westminster.
A.I.M. Steel Ltd.	638,999.80	
Western Bridge & Steel Fabricators Ltd.	700,441.00	
Dominion Bridge Co. Ltd.	730,997.00	
BRIDGE PROJECT NO. 229 (CONTRACT NO. 2)—CONSTRUCTION OF APPROACHES AND MAIN CHANNEL SPAN:	([3])	Dept. of Highways advertised this contract for City of New Westminster.
BRIDGE PROJECT NO. 243—CONSTRUCTION OF HIGHWAY UNDERPASS (C.P.R.) AT NICOAMEN, TRANS-CANADA HIGHWAY MILE 249.54 AND C.P.R. MILE 84.71, THOMPSON SUBDIVISION, YALE ELECTORAL DISTRICT:		
Highway Construction Co. Ltd.	71,488.00	Awarded.
Chapman-Long Construction Ltd.	$83,519.00	
Kenyon & Co. Ltd.	92,577.17	
Dawson, Wade & Co. Ltd.	127,349.80	
BRIDGE PROJECT NO. 244—ERECTION OF STRUCTURAL STEELWORK, KITIMAT RIVER BRIDGE, TERRACE–KITIMAT HIGHWAY, SKEENA (WEST) DISTRICT:[4]		
Bickerton Bridge & Steel Erectors Co.	28,150.00	Awarded.
Crowley Construction Co. Ltd.	$29,740.00	
Dominion Bridge Co. Ltd. (Pacific Division)	29,900.00	
Pacific Steel Erectors Ltd.	31,600.00	
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	31,850.00	
BRIDGE PROJECT NO. 246—CONSTRUCTION OF HIGHWAY UNDERPASS (C.P.R.) AT UPPER ANNABLE, SCHOFIELD HIGHWAY AND C.P.R. MILE 20.81, ROSSLAND SUBDIVISION, ROSSLAND-TRAIL ELECTORAL DISTRICT:		
Interior Contracting Co. Ltd.	75,667.75[2]	Awarded.
Wadds Construction Co. Ltd.	$82,883.74[2]	
Peter Kiewit Sons' Co. of Canada Ltd.	84,206.50[2]	
D. J. Manning	86,345.80	
Chapman-Long Construction Ltd.	91,871.50[2]	
Kenyon & Co. Ltd.	91,877.20[2]	
Fame Brick Construction Ltd.	93,740.29	
Kryski Bros. Contracting Co. Ltd.	97,027.00[2]	
Highway Construction Co. Ltd.	108,222.00	
McClay Construction Co. Ltd.	108,311.50	

[1] No list of equipment attached.
[2] Proposed construction schedule attached.
[3] Tenders received direct by City of New Westminster.
[4] Lump-sum bids.

BRIDGES, FERRIES, AND FERRY-LANDINGS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
BRIDGE PROJECT NO. 264—ERECTION OF STRUCTURAL STEELWORK, NORTH FORK OF EAGLE RIVER BRIDGE, MILE 447.51, TRANS-CANADA HIGHWAY, REVELSTOKE ELECTORAL DISTRICT:[4]		
W. H. Smith, Steel Erector	$15,385.30	Awarded.
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	$15,930.00	
Pacific Steel Erectors Ltd.	16,336.00	
Bickerton Bridge & Steel Erectors Co.	16,712.00	
Tryson & Son Iron Works Ltd.	16,850.00	
Square M Construction Ltd. and Coleman Collieries Ltd.	17,470.00	
Dominion Bridge Co. Ltd.	17,490.00	
BRIDGE PROJECT NO. 267 (CONTRACT NO. 1)—PREPARATORY SITE WORK, NORTH APPROACH, PORT MANN BRIDGE (FRASER RIVER), MILE 82.18, TRANS-CANADA HIGHWAY, DEWDNEY ELECTORAL DISTRICT:[4]		Lump sum for each item of contract.
Miller Cartage & Contracting Ltd.	143,500.00[2]	Awarded.
Peter Kiewit Sons' Co. of Canada Ltd.	$169,985.00[2]	
General Construction Co. Ltd.	189,467.00	
Highway Construction Co. Ltd.	193,450.00	
BRIDGE PROJECT NO. 268—ERECTION OF STRUCTURAL STEELWORK, BARRIERE RIVER BRIDGE, NORTH THOMPSON HIGHWAY, KAMLOOPS ELECTORAL DISTRICT:[4]		
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	12,500.00	Awarded.
W. H. Smith, Steel Erector	$12,803.00	
Dominion Bridge Co. Ltd. (Pacific Division)	12,955.00	Plus $400 for insurance.
Pacific Steel Erectors Ltd.	13,850.00	
Tryson & Son Iron Works Ltd.	14,700.00	
Western Bridge & Steel Fabricators Ltd.	16,845.00	
BRIDGE PROJECT NO. 271—ERECTION OF STRUCTURAL STEELWORK, NICOAMEN RIVER BRIDGE AND HIGHWAY OVERHEAD CROSSING AT SACKUM, MILE 249.5 AND MILE 252.5, TRANS-CANADA HIGHWAY, YALE ELECTORAL DISTRICT:[4]		
Dominion Bridge Co. Ltd. (Pacific Division)	12,995.00	Awarded.
Flanders Installations Ltd.	$15,541.00	
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	16,060.00	
Pacific Steel Erectors Ltd.	16,325.00	
Crowley Construction Co. Ltd.	18,550.00	
Bickerton Bridge & Steel Erectors Co.	18,872.00	
The Bay Co. (B.C.) Ltd.	20,665.00	
BRIDGE PROJECT NO. 272—ERECTION OF STRUCTURAL STEELWORK, HIGHWAY OVERHEAD CROSSINGS AT TAFT, NINETEEN MILE, AND SUMMIT LAKE, MILE 452.22, MILE 456.87, AND MILE 467.35, TRANS-CANADA HIGHWAY, REVELSTOKE ELECTORAL DISTRICT:[4]		
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	38,622.00	Awarded.
Bickerton Bridge & Steel Erectors Co.	$43,300.00	
Dominion Bridge Co. Ltd. (Pacific Division)	44,300.00	
Pacific Steel Erectors Ltd.	45,615.00	
Flanders Installations Ltd.	88,450.00	

[2] Proposed construction schedule attached.
[4] Lump-sum bids.

BRIDGES, FERRIES, AND FERRY-LANDINGS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
BRIDGE PROJECT NO. 273—CONSTRUCTION OF CHASE CREEK BRIDGE AND HIGHWAY OVERHEAD CROSSING (C.P.R. NEAR CHASE), AT MILE 378.94 AND MILE 382.51, TRANS-CANADA HIGHWAY, SALMON ARM ELECTORAL DISTRICT:		
Commonwealth Construction Co. Ltd.	$127,578.80	Awarded.
Kenyon & Co. Ltd.	$138,160.38	
Peter Kiewit Sons' Co. of Canada Ltd.	141,858.85	
Saxton Construction Ltd.	145,785.63	
Marpole Construction Co.	146,618.00	
Manning Construction Ltd.	149,261.00	
Vancouver Pile Driving & Contracting Co. Ltd.	160,962.00	
J. S. Johnson Ltd.	164,333.00[1]	
Narod Construction Ltd.	165,641.30[1]	
Barker Construction Ltd.	167,886.00	
Interior Contracting Co. Ltd.	175,943.21	
Chapman-Long Construction Ltd.	178,498.00	
McClay Construction Co.	189,186.50	
Raymond Concrete Pile Co. Ltd.	196,152.00	
Coast Excavating Ltd.	210,212.00[1]	
Wadds Construction Co. Ltd.	216,309.00	
Concrete Contractors Ltd.	226,860.50	
Highway Construction Co. Ltd.	239,746.00	
BRIDGE PROJECT NO. 273—ERECTION OF STRUCTURAL STEELWORK, HIGHWAY OVERHEAD CROSSING (C.P.R. NEAR CHASE), TRANS-CANADA HIGHWAY, SALMON ARM ELECTORAL DISTRICT:[4]		
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	7,702.00	Awarded.
Pacific Steel Erectors Ltd.	$8,283.00	Plus $725 insurance.
The Bay Co. (B.C.) Ltd.	9,471.00	
Dominion Bridge Co. Ltd. (Pacific Division)	8,270.00	Plus $1,316 insurance.
Bickerton Bridge & Steel Erectors Co.	11,315.00	
W. H. Smith, Steel Erector	11,690.00	
Clemenshaw Construction & Steel Erection	11,888.00	
BRIDGE PROJECT NO. 276—CONSTRUCTION OF GERTRUDE ST. AND KITSUCKSUS CREEK BRIDGES (ALBERNI STREETS), ALBERNI ELECTORAL DISTRICT:		
Manning Construction Ltd.	124,039.75	Awarded.
Holand Construction Ltd.	$129,178.33	
Vancouver Pile Driving & Contracting Co. Ltd.	133,634.35	
Marpole Construction Co. Ltd.	136,444.34	
A. & B. Construction Co. Ltd.	137,056.65[1]	
Farmer Construction Ltd.	141,759.66	
The Jamieson Construction Co. Ltd.	143,646.35	
Harbour Pile Driving Co.	144,525.32	
Gilmour Construction & Engineering Co. Ltd.	152,864.99	
Keyes Construction Co. Ltd.	156,489.86	
Saxton Construction Ltd.	174,214.96	
Concrete Constructors Ltd.	189,971.85	
CLEANING AND PAINTING PROJECT, VANCOUVER ISLAND BRIDGES—COWICHAN RIVER, CHEMAINUS RIVER, ENGLISHMAN RIVER, AND WILKINSON, COWICHAN-NEWCASTLE, COMOX, AND ESQUIMALT ELECTORAL DISTRICTS:[4]		Based on lump sum for each bridge.
West Coast Painting Co.	3,738.25	Awarded.
Old Country Decorators Ltd.	$2,763.38	
J. T. Devlin & Co. Ltd.	5,028.00	
Allan E. Moseley, Paint Contractor & Steeplejack	5,693.70	
Earl McGregor	6,425.42	
Jenkins Bros. Contracting Ltd.	9,295.00	
Helge Harvest Painting Co. Ltd.	9,650.00	
R. D. Bristowe Ltd.	10,427.90	
J. Boshard & Son Ltd.	11,166.00	
Larry Rafter	13,662.86	

[1] No list of equipment attached.
[4] Lump-sum bids.

BRIDGES, FERRIES, AND FERRY-LANDINGS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
CLEANING AND PAINTING PROJECT, LOWER MAINLAND BRIDGES—COQUITLAM RIVER, SEYMOUR CREEK, AND VEDDER CROSSING, DEWDNEY, NORTH VANCOUVER, AND CHILLIWACK ELECTORAL DISTRICTS:[4]		Based on lump sum for each bridge. Project advertised but cancelled before date of tender.
BRIDGE PROJECT NO. 278—CONSTRUCTION OF STEEL AUTO-FERRY FOR CHEMAINUS–THETIS ISLAND SERVICE, COWICHAN-NEWCASTLE AND NANAIMO-ISLANDS ELECTORAL DISTRICTS:[4]		
Somass Shipyard & Engineering Works	$50,153.45	Awarded.
John Manly Ltd.	$51,426.90	
Allies Builders Ltd.	51,954.00	
Alberni Engineering & Shipyard Ltd.	59,711.81	
Star Shipyards (Mercers) Ltd.	61,677.26	
Burrard Drydock Co. Ltd.	67,920.00	
Victoria Machinery Depot Co. Ltd.	79,906.00	
Yarrows Ltd.	89,537.70	
BRIDGE PROJECT NO. 277—CONSTRUCTION OF ATCHELITZ CREEK BRIDGE, SARDIS ROAD UNDERPASS, CHILLIWACK CREEK BRIDGE, AND ANDERSON CREEK BRIDGE, AT MILE 129.20, MILE 130.93, MILE 131.62, AND MILE 141.69, TRANS-CANADA HIGHWAY, CHILLIWACK ELECTORAL DISTRICT:		
Manning Construction Ltd.	254,265.00	Awarded.
Vancouver Pile Driving & Contracting Co. Ltd.	$261,356.45	
Marpole Construction Co. Ltd.	273,519.40	
Peter Kiewit Sons' Co. of Canada Ltd.	285,906.10	
Barker Construction Co. Ltd.	291,638.00	
A. C. McEachern Ltd.	298,739.00	
J. S. Johnson Ltd.	316,887.00	
Highway Construction Co. Ltd.	329,079.00	
McClay Construction Co. Ltd. and Mutual Construction Co. Ltd.	355,492.30	
Saxton Construction Ltd.	369,767.62	
Emil Anderson Construction Co. Ltd.	376,188.75	
BRIDGE PROJECT NO. 277—SUPPLY AND FABRICATION OF STRUCTURAL STEELWORK FOR SARDIS ROAD UNDERPASS AND CHILLIWACK CREEK BRIDGE, MILE 130.93 AND MILE 131.62, TRANS-CANADA HIGHWAY, CHILLIWACK ELECTORAL DISTRICT:[4]		
Dominion Bridge Co. Ltd.	19,449.00	Awarded.
Tryson & Son Iron Works Ltd.	$19,995.00[1]	
Western Bridge & Steel Fabricators Ltd.	21,525.00	
A.I.M. Steel Ltd.	25,111.00	
BRIDGE PROJECT NO. 280—CONSTRUCTION OF CAPILANO RIVER BRIDGE, MILE 63.45, TRANS-CANADA HIGHWAY, NORTH VANCOUVER ELECTORAL DISTRICT:		
Perini Pacific Ltd.	537,306.73[2]	Awarded.
Northern Construction Co. and J. W. Stewart Ltd.	$538,400.00	
Manning Construction Ltd. and General Construction Co. Ltd.	582,243.98	
Dawson & Hall Ltd.	595,510.00[1] [2]	
Barker Construction Co. Ltd.	596,310.00	
Campbell-Bennett Ltd.	658,955.96	
Peter Kiewit Sons' Co. of Canada Ltd.	668,232.25[2]	
John Laing & Son (Canada) Ltd.	747,969.44[2]	
Raymond International Co. Ltd.	871,852.00[2]	
Commonwealth Construction Co. Ltd.	895,509.19	
BRIDGE PROJECT NO. 289—CONSTRUCTION OF LANDINGS, CHEMAINUS–THETIS ISLAND FERRY, COWICHAN-NEWCASTLE AND NANAIMO-ISLANDS ELECTORAL DISTRICTS:		
Fraser River Pile Driving Co. Ltd.	19,683.00	Awarded.
Vancouver Pile Driving & Construction Co. Ltd.	$23,957.00	
Pacific Piledriving Co. Ltd.	24,657.00	
Greenlees Piledriving Co. Ltd.	28,337.64	

[1] No list of equipment attached.
[2] Proposed construction schedule attached.
[4] Lump-sum bids.

BRIDGES, FERRIES, AND FERRY-LANDINGS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
BRIDGE PROJECT NO. 289—SUPPLY AND FABRICATION OF STEEL PONTOONS AND GANGWAYS FOR CHEMAINUS–THETIS ISLAND FERRY LANDINGS:[4]		
Gilchrist Engineering & Sales Ltd.	$25,855.00	Awarded.
Blain Boiler Works Ltd.	$21,875.00	This tender was withdrawn.
John Manly Ltd.	26,557.65	
Starks Welding & Machine Shop	29,444.03	
Westminster Iron Works Co. Ltd.	31,751.65	
Ross & Howard Iron Works	32,961.00	
Royal City Welding & Iron Works	33,295.60	
Star Shipyards (Mercers) Ltd.	34,062.30	
Western Bridge & Steel Fabricators Ltd.	35,596.54	
Alberni Engineering & Shipyard Ltd.	35,662.94	
Dominion Bridge Co. Ltd.	36,115.00	
Burrard Drydock Co. Ltd.	38,172.75	
Victoria Machinery Depot Co. Ltd.	39,790.00	
United Engineering Works	40,375.34	
Somass Shipyard & Engineering Works	42,004.77	
Yarrows Ltd.	45,386.77	
BRIDGE PROJECT NO. 290—RECONSTRUCTION OF AERIAL FERRY (FRASER RIVER), NORTH BEND–BOSTON BAR:		
Electric Power Equipment Ltd. and Murray-Latta Machine Co. Ltd.	22,700.00[2]	Contract awarded for $24,087 (specifications revised).
Manning Construction Ltd.	$24,477.00	
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	25,354.10	
Blain Boiler Works Ltd.	25,519.00[2]	
Gilmour Construction & Engineering Co. Ltd.	27,845.00[2]	
The Bay Co. (B.C.) Ltd.	32,578.00[1] [2]	
BRIDGE PROJECT NO. 291—CONSTRUCTION OF BLAEBERRY RIVER BRIDGE (SUBSTRUCTURE), MILE 658.57, TRANS-CANADA HIGHWAY, COLUMBIA ELECTORAL DISTRICT:		
McClay Construction Co. Ltd. and Mutual Construction Co. Ltd.	48,849.00	Awarded.
Kenyon & Co. Ltd.	$54,106.19	
Manning Construction Ltd.	57,445.00	
Marpole Construction Co. Ltd.	58,941.00	
New West Construction Co. Ltd.	59,327.00	
Chapman-Long Construction Ltd.	61,442.80	
Poole Construction Co. Ltd.	72,978.24[1]	
Square M Construction Ltd. and Coleman Collieries Ltd.	79,760.40	
Mannix Co. Ltd.	98,965.20	
BRIDGE PROJECT NO. 291—SUPPLY AND FABRICATION OF STEEL SUPERSTRUCTURE FOR BLAEBERRY RIVER BRIDGE, MILE 658.57, TRANS-CANADA HIGHWAY:[4]		
Dominion Bridge Co. Ltd. (Pacific Division)	36,450.00	Awarded.
Tryson & Son Iron Works Ltd.	$43,266.00	
Bridge & Tank Western Ltd.	44,105.00	
A.I.M. Steel Ltd.	45,460.00	
Western Bridge & Steel Fabricators Ltd.	48,892.00	
Yarrows Ltd.	78,518.00	

[1] No list of equipment attached.
[2] Proposed construction schedule attached.
[4] Lump-sum bids.

BRIDGES, FERRIES, AND FERRY-LANDINGS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
BRIDGE PROJECT NO. 294—CONSTRUCTION OF LADNER UNDERPASS, VANCOUVER–BLAINE HIGHWAY, DELTA ELECTORAL DISTRICT:		
Sterling Construction Co. Ltd.	$48,477.00	Awarded.
Peter Kiewit Sons' Co. of Canada Ltd.	$51,522.70	
Manning Construction Ltd.	55,337.20	
Mainland Construction Co. Ltd.	57,559.00	
Chapman-Long Construction Ltd.	58,839.60	
Barker Construction Co. Ltd.	60,496.00	
Narod Construction Ltd.	61,828.38	
McClay—mutual joint venture	63,906.20	
Perini Pacific Ltd.	63,562.76	
Highway Construction Co. Ltd.	67,252.00	
Dunsmuir Construction Ltd.	68,660.15[1]	Tender states all equipment would be rented from firms in Vancouver area.

TOLL HIGHWAYS AND BRIDGES AUTHORITY

TOLL BRIDGE PROJECT NO. 7—CONSTRUCTION AND DELIVERY OF FERRIES, MAINLAND–VANCOUVER ISLAND SERVICE, SAANICH AND DELTA ELECTORAL DISTRICTS:		
Alternative A—Construction of one ship by July 1st, 1959.[4]		
Alternative B—Construction of one ship by February 1st, 1960.[4]		
Alternative C—Construction of two ships by July 1st, 1959.[4]		
Alternative D—Construction of two ships by February 1st, 1960.[4]		
Victoria Machinery Depot Co. Ltd.	$2,377,317.00	Contract awarded for Ship No. 1 (Alternative B).
Burrard Dry Dock Co. Ltd.	2,541,260.00	Contract awarded for Ship No. 2 (Alternative B) for $2,471,260 (adjusted).)
Other tenders submitted were:		
The Fairfield Shipbuilding & Engineering Co. Ltd., Glasgow, Scotland	£886,000 (sterling)	Alternative B (tender date November 14th, 1958).
	£1,752,000 (sterling)	Alternative D (tender date November 14th, 1958).
Canadian Vickers Ltd., Montreal, Que.	$3,091,336.00	Alternative B.
	6,148,941.00	Alternative D.
Burrard Dry Dock Co. Ltd.	4,997,694.00	Alternative D.

[1] No list of equipment attached.
[4] Lump-sum bids.

HIGHWAYS

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. 885 (CONTRACT 1)—TRANS-CANADA HIGHWAY, NORTHERN APPROACH, PORT MANN BRIDGE (CONSTRUCTION, 0.27 MILE):		
B.C. Bridge & Dredging Co. Ltd.	$209,237.90[2]	Awarded.
Columbia Bitulithic Ltd. and Eugene O. Greczmiel	$239,815.00[2]	
General Construction Co. Ltd.	259,783.80	
Miller Cartage & Contracting Co. Ltd.	277,939.50[2]	Alternative bid also submitted, $224,809.50 (revising item 3).
Peter Kiewit Sons' Co. of Canada Ltd.	281,622.00[2]	
Dawson, Wade & Co. Ltd.	291,162.80[2]	
Scott Bros. Gravel Co. Ltd.	360,390.33	
Highway Construction Co. Ltd.	378,135.00	
Perini Pacific Ltd.	378,714.34	
United Cartage Co. Ltd.	405,611.02	

[2] Proposed construction schedule attached.

HIGHWAYS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. 897—OKANAGAN HIGHWAY, ELLISON OVERHEAD APPROACHES (CONSTRUCTION AND RECONSTRUCTION, 1.51 MILES):		Tenders called Aug. 23, 1957.
C. Drage Trucking Ltd.	$120,423.20	Awarded 1958/59.
Storms Contracting Co. (Pacific) Ltd.	$125,489.00	
Joe Tavender Contracting	128,052.30	
The Jamieson Construction Co. Ltd.	138,768.00	
Premier Construction Co. Ltd.	139,765.00	
G. & M. Construction Ltd.	142,628.37	
Parker Construction Ltd.	171,852.50	
Interior Contracting Co. Ltd.	148,072.85	
Tide Water Contracting Co. Ltd.	150,382.10	
Miller Cartage & Contracting Co. Ltd.	154,214.50	
Atlas Construction Co. Ltd.	154,426.40	
Wakeman & Trimble Contractors Ltd.	154,777.50	
W. C. Arnett & Co. Ltd.	155,902.50	
Hosco Construction Ltd.	159,547.80	
Radium Construction & Contracting Co. Ltd.	161,817.70	
McClay Construction Co. Ltd.	175,957.70	
PROJECT NO. 898—SOUTHERN TRANS-PROVINCIAL HIGHWAY, SOUTH SLOCAN SECTION (RECONSTRUCTION, 2.05 MILES):		Tenders called Aug. 30, 1957.
Dawson, Wade & Co. Ltd.	297,865.80	Awarded 1958/59.
Peter Kiewit Sons' Co. of Canada Ltd.	$340,195.00	
The Jamieson Construction Co. Ltd.	382,547.00	
Mannix Co. Ltd.	390,179.00	
Ed Walsh & Co. Ltd.	426,873.00	
PROJECT NO. 901—OKANAGAN HIGHWAY, KALEDEN–SKAHA (RECONSTRUCTION, 4.22 MILES):		Tenders called Sept. 6, 1957.
Radium Construction & Contracting Co. Ltd.	622,896.10	Awarded.
Peter Kiewit Sons' Co. of Canada Ltd.	$660,696.75	
W. C. Arnett & Co. Ltd.	661,644.25	
John Laing & Son (Canada) Ltd.	688,187.93	
Mannix Co. Ltd.	689,102.60	
L. & M. Logging Ltd.	695,876.00	
General Construction Co. Ltd.	711,111.11	
Storms Contracting Co. (Pacific) Ltd.	719,089.10	
Arthur A. Voice Construction Co. Ltd.	734,310.25	
Emil Anderson Construction Co. Ltd.	744,421.00	
Dawson, Wade & Co. Ltd.	749,056.46	
Assiniboia Construction Co. Ltd.	766,725.00	
Premier Construction Co. Ltd.	769,494.33	
Ben Ginter Construction Co. Ltd.	890,737.50	
Raymond International Co. Ltd.	920,163.90	
A. C. McEachern Ltd. and Atomic Construction Ltd.	938,983.20	
Parker Construction Ltd.	2,542,441.50	
PROJECT NO. 902—TRANS-CANADA HIGHWAY, REVELSTOKE PARK–GLACIER PARK, SECTION 1 (CONSTRUCTION, 5.92 MILES):		
Mannix Co. Ltd.	1,796,441.20	Awarded.
Dawson, Wade & Co. Ltd.	$1,825,490.36	
General Construction Co. Ltd.	1,871,766.00	
Peter Kiewit Sons' Co. of Canada Ltd.	1,882,065.00	
John Laing & Son (Canada) Ltd.	1,968,226.16	
Emil Anderson Construction Co. Ltd.	1,988,715.80	
Campbell-Bennett Ltd.	2,015,968.00	
Premier Construction Co. Ltd.	2,029,859.20	
New West Construction Co. Ltd. and George Ludwig Ltd.	2,117,627.32	
Ben Ginter Construction Co. Ltd.	2,294,407.00	
Assiniboia Construction Co. Ltd.	2,376,068.00	
Square M Construction Ltd. and Coleman Collieries Ltd.	2,396,215.00	
McNamara Construction Co. Ltd.	2,339,895.92	
Raymond International Co. Ltd.	2,418,265.20	
Highway Construction Co. Ltd.	2,684,032.36	

HIGHWAYS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. 907—AGASSIZ–HAIG (LOUGHEED) HIGHWAY, SEABIRD BLUFFS–RUBY CREEK (CONSTRUCTION, 3.39 MILES):		
McClay Construction Co. Ltd.	$427,867.20	Awarded.
Belmont Construction Co. Ltd.	$478,553.10	
Highway Construction Co. Ltd.	479,232.70[2]	
Campbell-Bennett Ltd.	521,302.40[2]	
Dawson, Wade & Co. Ltd.	533,909.80[2]	
General Construction Co. Ltd.	552,431.00	
Emil Anderson Construction Co. Ltd.	557,171.00[2]	
W. C. Arnett & Co. Ltd.	602,020.00[2]	
Peter Kiewit Sons' Co. of Canada Ltd.	605,808.20[2]	
Perini Pacific Ltd.	683,607.34[2]	
PROJECT NO. 910—TRANS-CANADA HIGHWAY, FRASER RIVER–ABBOTSFORD, SECTION 1 (CONSTRUCTION, 6.06 MILES, FOUR LANES, AND 4.48 MILES OF INTERCHANGES):		
Dawson, Wade & Co. Ltd.	1,090,929.24	Awarded.
Midwest Construction Ltd.	$1,115,590.50	
General Construction Co. Ltd.	1,135,854.70	
Columbia Bitulithic Ltd.	1,162,081.50	
Emil Anderson Construction Co. Ltd.	1,188,728.00	
Perini Pacific Ltd.	1,198,752.47	
McMahon Construction & Development Co. Ltd.	1,216,797.40	
W. & W. Construction Ltd.	1,223,046.00	
The Cattermole-Tretheway Contractors Ltd.	1,242,286.90	
Highway Construction Co. Ltd.	1,244,367.00	
A. C. McEachern Ltd.	1,296,409.00	
W. C. Arnett & Co. Ltd.	1,313,132.00	
Campbell-Bennett Ltd.	1,338,255.00	
Breaks Bros. Construction Co. Ltd.	1,347,462.70	
Peter Kiewit Sons' Co. of Canada Ltd.	1,359,183.00	
The Jamieson Construction Co. Ltd.	1,361,441.00	
PROJECT NO. 958—TRANS-CANADA HIGHWAY, QUARTZ CREEK–DONALD (CONSTRUCTION, 12.63 MILES):		
New West Construction Ltd.	1,472,340.80	Awarded.
Emil Anderson Construction Co. Ltd.	$1,599,528.60	
P. F. Law Construction Ltd.	1,643,616.96[1]	
Square M Construction Ltd. and Coleman Collieries Ltd.	1,666,436.00	
A. C. McEachern Ltd.	1,680,848.00	
Storms Contracting Co. (Pacific) Ltd.	1,697,309.80	
Dawson, Wade & Co. Ltd.	1,729,756.00	
Midwest Construction Ltd.	1,745,272.00	
General Construction Co. Ltd.	1,778,055.40	
Premier Construction Co. Ltd.	1,910,967.36	
Assiniboia Construction Co. Ltd.	1,942,552.00	
Perini Pacific Ltd.	2,224,889.16	
PROJECT NO. 960—TRANS-CANADA HIGHWAY, THREE MILE CROSSING–REVELSTOKE (CONSTRUCTION AND RECONSTRUCTION, 4.17 MILES):		
Ed Walsh & Co. Ltd.	679,221.00	Awarded.
General Construction Co. Ltd.	$711,777.00	
Merit Construction Co. Ltd.	752,720.60	
Emil Anderson Construction Co. Ltd.	760,825.00	
Premier Construction Co. Ltd.	768,127.06	
John Laing & Son (Canada) Ltd.	786,774.79	
Storms Contracting Co. (Pacific) Ltd.	792,244.00	
Dawson, Wade & Co. Ltd.	820,584.86	
James Anselmo of New West Construction Co. Ltd.	835,383.43	
Fletcher Construction Ltd.	846,186.15	
The Jamieson Construction Co. Ltd.	869,743.00	
A. C. McEachern Ltd.	892,104.00	
Perini Pacific Ltd.	1,087,307.16	
Raymond International Co. Ltd.	1,000,627.00	
Highway Construction Ltd. and Peter Kiewit Sons' Co. of Canada Ltd.	1,053,084.00	

[1] No list of equipment attached.
[2] Proposed construction schedule attached.

HIGHWAYS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. 961—TRANS-CANADA HIGHWAY, ROGERS-QUARTZ CREEK (CONSTRUCTION, 8.27 MILES):		
Dawson, Wade & Co. Ltd.	$1,392,854.50	Awarded.
Emil Anderson Construction Co. Ltd.	$1,491,412.50	
Peter Kiewit Sons' Co. of Canada Ltd. and Highway Construction Co. Ltd.	1,760,098.50	
General Construction Co. Ltd.	1,767,610.80	
Mannix Co. Ltd.	1,994,635.60	
Rush & Tompkins (Canada) Ltd.	2,040,160.32[1]	
Campbell-Bennett Ltd.	2,147,837.00	
PROJECT NO. 962—CARIBOO HIGHWAY, DOG PRAIRIE-QUESNEL RIVER (CONSTRUCTION, 9.16 MILES):		Later revised to 9.55 miles.
Emil Anderson Construction Co. Ltd.	588,857.50	Awarded.
Ben Ginter Construction Co. Ltd.	$592,377.00	
Storms Contracting Co. (Pacific) Ltd.	597,709.00	
Mannix Robertson Ltd.	610,837.50	
Columbia Bitulithic Ltd.	622,157.10	
Dawson, Wade & Co. Ltd.	622,221.80	
Merit Construction Co. Ltd.	627,348.00	
McMahon Construction & Development Co. Ltd.	692,892.50[1]	
General Construction Co. Ltd.	717,032.00	
Sandy Construction Ltd.	720,049.30	
Peter Kiewit Sons' Co. of Canada Ltd.	742,949.00	
A. C. McEachern Ltd.	748,358.00	
The Jamieson Construction Co. Ltd.	766,245.00	
Perini Pacific Ltd.	779,472.84	
PROJECT NO. 963—VANCOUVER-BLAINE HIGHWAY, DEAS TUNNEL-LADNER TRUNK ROAD (CONSTRUCTION, 3.44 MILES, FOUR LANES, AND 2.85 MILES OF INTERCHANGES):		
Peter Kiewit Sons' Co. of Canada Ltd.	744,862.00	Awarded.
A. C. McEachern Ltd.	$749,381.00	
Dawson, Wade & Co. Ltd.	786,575.20	
Campbell-Bennett Ltd.	794,690.00	
General Construction Co. Ltd.	838,873.00	
Perini Pacific Ltd.	838,895.10	
PROJECT NO. 966—STEWART-CASSIAR ROAD, TANZILLA RIVER-STIKINE RIVER (CONSTRUCTION, 26.60 MILES):		
New Construction Co. Ltd. and George Ludwig Ltd.	798,511.00	Awarded.
Dawson, Wade & Co. Ltd.	$887,115.60	
Mannix Robertson Ltd.	912,175.50	
Fletcher Construction Ltd.	935,242.80	
Ben Ginter Construction Co. Ltd.	946,905.60	
Sandy Construction Ltd.	987,795.00	
McMahon Construction & Development Co. Ltd.	1,012,283.00	
Bruce Rome Ltd.	1,046,890.90	
Piggott Construction Co. Ltd.	1,091,756.80	
Lakelse Construction Co. Ltd.	1,256,443.00	
PROJECT NO. 968—TRANS-CANADA HIGHWAY, TAYLOR WAY-SECOND NARROWS (CONSTRUCTION, 5.75 MILES, FOUR LANES, AND 3.38 MILES OF INTERCHANGES):		
The Jamieson Construction Co. Ltd.	2,196,681.79	Awarded.
Emil Anderson Construction Co. Ltd.	$2,278,621.00	
Campbell-Bennett Ltd.	2,339,072.97	
General Construction Co. Ltd.	2,350,714.85	
Dawson, Wade & Co. Ltd.	2,440,656.00	
Perini Pacific Ltd.	2,497,403.88	
Peter Kiewit Sons' Co. of Canada Ltd.	2,499,520.05	
Highway Construction Co. Ltd.	2,545,342.46	

[1] No list of equipment attached.

HIGHWAYS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. 969—TRANS-CANADA HIGHWAY, REVELSTOKE PARK–GLACIER PARK, SECTION 2 (CONSTRUCTION, 5.06 MILES):		
Highway Construction Co. Ltd. and Peter Kiewit Sons' Co. of Canada Ltd.	$1,695,196.00	Awarded.
Emil Anderson Construction Co. Ltd.	$1,713,522.00	
Dawson, Wade & Co. Ltd.	1,767,808.20	
Perini Pacific Ltd.	1,783,480.63	
General Construction Co. Ltd. and Mannix Co. Ltd.	1,800,580.60	
McMahon Construction & Development Co. Ltd.	1,867,698.50	
W. C. Arnett & Co. Ltd.	1,904,782.00	
A. C. McEachern Ltd.	1,924,632.00	
Campbell-Bennett Ltd.	2,048,780.20	
John Laing & Son (Canada) Ltd.	2,231,678.92	
PROJECT NO. 970—SOUTHERN TRANS-PROVINCIAL HIGHWAY, CHRISTINA CREEK–SHEEP LAKE, SECTION 3 (CORYELL–PAULSON, CONSTRUCTION, 3.35 MILES):		
P. F. Law Construction Ltd.	872,288.50	Awarded.
The Jamieson Construction Co. Ltd.	$885,639.00	
Highway Construction Co. Ltd.	892,625.00	
McMahon Construction & Development Co. Ltd.	904,817.00	
Peter Kiewit Sons' Co. of Canada Ltd.	986,737.00	
Emil Anderson Construction Co. Ltd.	989,800.00	
W. C. Arnett & Co. Ltd.	999,818.00	
A. C. McEachern Ltd.	1,081,415.00	
Dawson, Wade & Co. Ltd.	1,087,758.80	
Campbell-Bennett Ltd.	1,169,866.00	
Perini Pacific Ltd.	1,187,493.40	
Mannix Co. Ltd.	1,200,723.90	
PROJECT NO. 1023—SOUTHERN TRANS-PROVINCIAL HIGHWAY, TOPAZ CREEK–SUMMIT CREEK (CONSTRUCTION, 5.20 MILES):		Contract not awarded. Proposed construction schedule required for this contract.
W. C. Arnett & Co. Ltd.	640,966.00[2]	Construction schedule received after tender.
Emil Anderson Construction Co. Ltd.	699,935.00	
P. F. Law Construction Ltd.	744,623.50[2]	
Interior Contracting Co. Ltd.	752,984.00[2]	
Adams, Berg & Griffith Contractors Ltd.	768,499.00[2]	
Campbell-Bennett Ltd.	780,406.40	
Bonanza Construction Ltd.	782,903.00[2]	Construction schedule received after tender date.
A. C. McEachern Ltd.	791,189.00	
Peter Kiewit Sons' Co. of Canada Ltd.	807,216.00	
Midwest Construction Ltd.	813,735.00	
PROJECT NO. 1023—SOUTHERN TRANS-PROVINCIAL HIGHWAY, BLAZED CREEK–SUMMIT CREEK (CONSTRUCTION, 7.45 MILES):		Length of contract and estimate revised from original call.
Bonanza Construction Ltd.	727,579.00[2]	Awarded (assigned to Continental Contractors Ltd.).
P. F. Law Construction Ltd.	$759,319.00[2]	
Adams, Berg & Griffith Contractors Ltd.	793,140.00[2]	
Emil Anderson Construction Co. Ltd.	824,558.80[2]	
W. C. Arnett & Co. Ltd.	830,184.00[2]	
Peter Kiewit Sons' Co. of Canada Ltd.	896,760.00[2]	
Interior Contracting Co. Ltd.	907,569.00[2]	
Campbell-Bennett Ltd.	929,652.40[2]	

[2] Proposed construction schedule attached.

HIGHWAYS—*Continued*

TOLL HIGHWAYS AND BRIDGES AUTHORITY

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. 909—VANCOUVER–BLAINE HIGHWAY, OAK STREET BRIDGE–DEAS TUNNEL (CONSTRUCTION, 4.62 MILES, FOUR LANES, AND 3.78 MILES OF INTERCHANGES):		
Windsor Construction Ltd.	$1,192,777.82	Awarded.
Emil Anderson Construction Co. Ltd.	$1,369,767.80	
Dawson, Wade & Co. Ltd.	1,432,148.70	
Peter Kiewit Sons' Co. of Canada Ltd.	1,449,423.00	
General Construction Co. Ltd.	1,461,308.80	
Highway Construction Co. Ltd.	1,499,310.82	
A. C. McEachern Ltd.	1,650,314.00	
Campbell-Bennett Ltd.	1,691,863.54	
Perini Pacific Ltd.	1,942,792.25	

PAVING

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. S-0158—CANADIAN HIGHWAY, PORT ALBERNI AND EASTERLY:		Bituminous plant-mix pave.
City Construction Co. Ltd.	$139,983.00	Awarded.
General Construction Co. Ltd.	$145,689.00	
Columbia Bitulithic Ltd.	157,382.50	
Commonwealth Construction Co. Ltd.	157,684.00	
PROJECT NO. S-0258—KITIMAT, TERRACE AIRPORT, AND NORTHERN TRANS-PROVINCIAL HIGHWAYS:		Bituminous plant-mix pave.
Peter Kiewit Sons' Co. of Canada Ltd.	428,836.00	Awarded.
General Construction Co. Ltd.	$444,386.00	
Dawson, Wade & Co. Ltd.	453,076.75	
Marwell Paving Co. Ltd.	454,502.20	
Storms Contracting Co. (Pacific) Ltd.	470,215.00	
PROJECT NO. S-0358—EAST HASTINGS ST., BURNABY:		Bituminous plant-mix pave and curb and gutter.
Commonwealth Construction Co. Ltd.	90,834.40	Awarded.
Dawson, Wade & Co. Ltd.	$92,148.00	
General Construction Co. Ltd.	93,375.70	
City Construction Co. Ltd.	93,556.50	
Columbia Bitulithic Ltd.	93,866.85	
PROJECT NO. S-0458—COLUMBIA VALLEY ROAD, CULTUS LAKE SECTION:		Bituminous plant-mix pave.
Columbia Bitulithic Ltd.	48,156.50	Awarded.
Western Paving Ltd.	$57,462.50	
General Construction Co. Ltd.	58,255.00	
City Construction Co. Ltd.	59,208.50	
Dawson, Wade & Co. Ltd.	60,120.00	
PROJECT NO. S-0558—SQUAMISH HIGHWAY TO BRITANNIA BEACH:		Bituminous road-mix pave.
Marwell Paving Co. Ltd.	59,778.00	Awarded.
General Construction Co. Ltd.	$63,790.00	
Columbia Bitulithic Ltd.	63,988.00	
Commonwealth Construction Co. Ltd.	68,814.00	
Peter Kiewit Sons' Co. of Canada Ltd.	75,200.00	

PAVING—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. S-2158—OKANAGAN HIGHWAY, POWERS CREEK SECTION, KELOWA BRIDGE AND APPROACHES, AND VARIOUS KELOWNA STREETS:		Bituminous plant-mix pave.
Storms Contracting Co. (Pacific) Ltd.	$166,831.15	Awarded.
Commonwealth Construction Co. Ltd.	$175,560.25	
Columbia Bitulithic Ltd.	179,229.50	
City Construction Co. Ltd.	179,674.00	
Peter Kiewit Sons' Co. of Canada Ltd.	185,200.10	
Dawson, Wade & Co. Ltd.	192,989.14	
PROJECT NO. S-2258—TRANS-CANADA AND CARIBOO HIGHWAYS, VICINITY OF CACHE CREEK:		Bituminous seal-coat.
Dawson, Wade & Co. Ltd.	91,410.00	Awarded.
Marwell Paving Co. Ltd.	$104,375.00	
Columbia Bitulithic Ltd.	105,100.00	
PROJECT NO. S-2358—EIGHTH AVE. AND LORNE ST., KAMLOOPS:		Bituminous plant-mix pave and curb and gutter.
Dawson, Wade & Co. Ltd.	66,627.70	Awarded.
R. E. Postill & Sons Ltd.	$44,567.55	
Storms Contracting Co. (Pacific) Ltd.	68,416.25	
Commonwealth Construction Co. Ltd.	70,131.30	
Columbia Bitulithic Ltd.	71,892.65	
PROJECT NO. S-4158 — SOUTHERN TRANS-PROVINCIAL HIGHWAY, OKANAGAN FALLS AND EASTERLY, OSOYOOS WESTERLY, AND NORTH NINE MILE TO JOLLY JACK CREEK:		Bituminous seal-coat.
Western Paving Ltd.	77,530.00	Awarded.
Dawson, Wade & Co. Ltd.	$99,535.00	
Marwell Paving Co. Ltd.	114,750.00	
PROJECT NO. S-4258—SOUTHERN TRANS-PROVINCIAL HIGHWAY, VARIOUS SECTIONS, GOATFELL–YAHK–MOYIE AND EAST:		Bituminous plant-mix pave.
Perini Pacific Ltd.	248,664.50	Awarded.
Marwell Paving Co. Ltd.	$260,896.25	
Dawson, Wade & Co. Ltd.	264,065.35	
Commonwealth Construction Co. Ltd.	266,540.25	
Storms Contracting Co. (Pacific) Ltd.	268,682.50	
Peter Kiewit Sons' Co. of Canada Ltd.	274,625.00	
PROJECT NO. S-6158—FIRST AVE. AND VICTORIA ST., PRINCE GEORGE:		Bituminous plant-mix pave and curb and gutter.
City Construction Co. Ltd.	63,997.00	Awarded.
Dawson, Wade & Co. Ltd.	$64,130.00	
The Jamieson Construction Co. Ltd.	65,177.00	
Columbia Bitulithic Ltd.	65,349.80	
PROJECT NO. S-6258—ALASKA AVE., DAWSON CREEK:		Bituminous plant-mix pave and curb and gutter.
Columbia Bitulithic Ltd. and Sandy Construction Ltd.	177,553.85	Awarded.
Dawson, Wade & Co. Ltd.	$180,404.74	
City Construction Co. Ltd.	183,930.45	
General Construction Co. Ltd.	202,448.70	

PAVING—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. S-6358—CARIBOO HIGHWAY, COTTONWOOD RIVER–STRATHNAVER:		Bituminous road-mix pave.
Scotland & Adamson	$52,494.00	Awarded.
Atlas Construction Co. Ltd.	$55,801.00	
Perini Pacific Ltd.	56,450.00	
Emil Anderson Construction Co. Ltd.	59,700.00	
Dawson, Wade & Co. Ltd.	59,700.00	
Marwell Paving Co. Ltd.	61,025.00	
Columbia Bitulithic Ltd.	66,290.00	
General Construction Co. Ltd.	69,600.00	
PROJECT NO. S-8158—TRANS-CANADA HIGHWAY, MALAHAT–MILL BAY:		Bituminous plant-mix pave.
General Construction Co. Ltd.	160,069.50	Awarded.
City Construction Co. Ltd.	$165,527.00	
Columbia Bitulithic Ltd.	168,531.60	
Storms Contracting Co. (Pacific) Ltd.	177,945.00	
Commonwealth Construction Co. Ltd.	181,146.00	
Peter Kiewit Sons' Co. of Canada Ltd.	185,027.00	
Dawson, Wade & Co. Ltd.	195,795.89	
Marwell Paving Co. Ltd.	204,220.00	
PROJECT NO. S-8258—TRANS-CANADA HIGHWAY, CHEAM CREEK AND LORENZETTI CREEK SECTIONS:		Bituminous plant-mix pave.
Columbia Bitulithic Ltd.	130,271.35	Awarded.
City Construction Co. Ltd.	$136,703.50	
Commonwealth Construction Co. Ltd.	138,025.25	
General Construction Co. Ltd.	140,690.50	
Perini Pacific Ltd.	141,988.52	
Dawson, Wade & Co. Ltd.	142,228.05	
PROJECT NO. S-8358—TRANS-CANADA HIGHWAY, YALE–EMORY CREEK AND SPUZZUM CREEK SECTIONS:		Bituminous plant-mix pave.
Western Paving Ltd.	81,946.00	Awarded.
Perini Pacific Ltd.	$89,676.30	
City Construction Co. Ltd.	92,156.00	
Commonwealth Construction Co. Ltd.	94,172.00	
Columbia Bitulithic Ltd.	95,149.20	
General Construction Co. Ltd.	98,142.80	
PROJECT NO. S-8458—TRANS-CANADA HIGHWAY, CHASE AND EASTERLY TO SORRENTO:		Bituminous plant-mix pave.
Commonwealth Construction Co. Ltd.	115,803.75	Awarded.
Marwell Paving Co. Ltd.	$130,745.00	
Dawson, Wade & Co. Ltd.	131,350.00	
Storms Contracting Co. (Pacific) Ltd.	134,597.50	
R. E. Postill & Sons Ltd.	147,042.50	

MISCELLANEOUS

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. 894—STREET-LIGHTING AND TRAFFIC CONTROLS, LOUGHEED HIGHWAY, BOUNDARY ROAD–NORTH ROAD SECTION:[4]		
F. B. Stewart & Co. Ltd.	$32,000.00	Awarded.
C. H. E. Williams Co. Ltd.	$35,472.00	
Ricketts-Sewell Electric Ltd.	35,775.00	
The Tide Co. (B.C.) Ltd.	37,120.00	
R. B. McCullough Electric	37,500.00	
Western Electric Construction Co. Ltd.	38,560.00	

MISCELLANEOUS—*Continued*

Description of Work and Names of Tenderers	Amount of Tenders at Unit Rates Based on Estimated Quantities	Remarks
PROJECT NO. 957 (BRIDGE ELIMINATION)—DEMOLITION AND REMOVAL OF PORTION OF EBURNE BRIDGE NO. 4 (OLD MARPOLE BRIDGE):[4]		
First call for tenders:		Not awarded.
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	$62,500.00	
Pacific Industrial Steel Ltd.	64,719.20	
Second call for tenders:		Not awarded as tenders considered too high.
North Western Dredging Co. Ltd.	29,500.00	
Greenlees Pile Driving Co. Ltd. and Belliveau Enterprise Ltd.	32,700.00	
Vancouver Pile Driving & Contracting Co. Ltd.	44,602.00	
Arrow Steel Erectors, Division of Arrow Transfer Co. Ltd.	50,000.00	
Pacific Industrial Steel Ltd.	59,809.00	
Pacific Diamond Drilling Co. Ltd.	22,000.00	Awarded on requested quotation.
PROJECT NO. 964—TRANS-CANADA HIGHWAY, DRYNOCH SLIDE STABILIZATION (0.38 MILE):[4]		
Peter Kiewit Sons' Co. of Canada Ltd.	$34,100.00	Awarded.
Dawson, Wade & Co. Ltd.	$54,085.00	
Armco Drainage & Metal Products of Canada Ltd.	62,550.00	
Granby Construction & Equipment Ltd.	91,000.00	
John Laing & Son (Canada) Ltd.	159,150.00	

[4] Lump-sum bids.

REGIONAL REPORTS

REGION No. 1

D. D. Godfrey, Regional Engineer, North Vancouver

ALBERNI DISTRICT

Roads

Considerable drainage improvements were made on a number of roads. Shoulders on 3 miles of the Beaver Creek Road were widened. Extensive gravelling was done on the Tofino–Ucluelet Road.

Road-mix pavement was laid on 0.25 mile of road and seal-coating applied to 3.25 miles.

Bridges

One bridge was reconstructed and seven others repaired.

ATLIN DISTRICT (SOUTH)

Roads

Routine maintenance was carried out on all roads in the Stewart and Alice Arm areas. Main expenditures were due to grading, regravelling, brushing, and renewal of culverts.

Four and one-half miles of tote-road was constructed up the Bear River to accommodate survey crews in the area. This road is classed as a mining-trail.

Reconstruction of 2.8 miles of Bear River Road No. 63 and reconstruction of the tote-road for 2.2 miles was commenced and was 50 per cent completed by March 31st, 1959.

Bridges

All bridges received minor maintenance throughout the district. There were three log-stringer bridges built for the tote-road (mining-trails).

Snow-removal

Exceedingly heavy snowfall occurred in the latter part of the winter. The Big Missouri Road No. 73 was closed to traffic in February and March. All other roads that required ploughing were kept in a satisfactory condition.

Burnaby District

Roads

Normal maintenance, consisting of ditching, pavement repairs, cleaning catch-basins, shouldering, mowing, the painting of crosswalks, centre-lining, and sign maintenance, was carried out during the year.

Tenth Avenue (272R) was widened to 24 feet from McBride Boulevard to Kingsway by district forces.

Grandview Highway and Willingdon intersection was widened to improve traffic-control.

Snow-removal

All roads were kept in excellent condition throughout the winter.

Chilliwack District

Roads

Roads were well maintained and generally improved.

Trans-Canada Highway shoulders were widened from Chilliwack to Bridal Falls.

Approximately 450 feet of curb was installed on the west side of the Abbotsford–Mission Highway, between Hazel and Pine Streets.

The installation of curb and gutter in Huntingdon was completed, and roadways largely readied for paving.

Road-mix was applied to a section of the new Trans-Canada Highway, as well as miscellaneous highway crossings, for a total length of 4.58 miles.

In Huntingdon townsite, machine-laid hot plant mix was applied to a portion of "C" Street, Fourth Avenue, and Riverside Road, for a total length of 1.28 miles.

Snow-removal

All roads were maintained in satisfactory condition.

Bridges

All bridges were maintained in the usual manner.

Comox District

Roads

Regular maintenance was carried out on all roads.

A reasonably mild winter was encountered, but rainfall was fairly heavy.

Clearing of 6.53 miles of the new Island Highway (Qualicum–Bowser section) was carried out from 1 mile south of Qualicum to 5 miles north of Qualicum.

Other work constituted 9.61 miles of minor roads reconstructed, 7.95 miles of minor roads road-mixed, and 2.83 miles seal-coated and 0.53 mile flush-coated.

Quatse River Bridge No. 129 and Little River Bridge No. 97 were replaced by culverts and fills.

Bridges

As a result of erosion around one of the piers, Condensery Bridge No. 125 was repaired.

Green and Hart Bridges, Quatsino, were repaired. Hart Bridge was redecked.

Ferries

Normal ferry service was maintained throughout the year.

The " Catherine Graham " was taken into dry-dock at Nanaimo and was overhauled, scraped, and painted.

Cowichan-Newcastle District

Roads

Normal maintenance was carried out on the roads throughout the year. The South Road under the C.N.R. underpass in the Village of Lake Cowichan was lowered and repaved at the same time the Canadian National Railways renewed its bridge.

Widening was carried out on 2.3 miles of road, paving on 0.9 mile, and seal-coating on 9.3 miles.

Bridges

Three bridges were reconstructed and repairs carried out on twenty others.

Delta District

Roads

All roads in the district were maintained to the best possible degree. Reconstruction of Pacific Highway, Trans-Canada Highway to Bose Road, was completed—1.5 miles.

The diversion of Trans-Canada Highway in the vicinity of Coast Meridian Road (approximately 0.5 mile in length) was started, and by the end of the year only the tie-in to the old highway remained to be completed.

The total mileage of pavement laid by district forces or under district supervision was 2.29.

Snow-removal

Except for one severe storm, the winter was extremely mild. On this occasion, snow-ploughing was necessary; otherwise, the use of chemicals and abrasives kept the roads in good travelling condition.

Bridges

All bridges in the district were inspected and maintained in the normal manner.

Fraser Avenue Bridge No. 8 was completely redecked.

All of the No. 4 Eburne Bridge was dismantled by district forces, with the exception of the swing span, swing-span pier, and protection piers.

Ferries

Barnston Island Ferry service was maintained with only minor interruptions. The old gasoline-engine was replaced by a modern diesel engine; this has proved much more satisfactory and has eliminated the problem of fumes.

Ladner Ferry maintained its normal service.

Dewdney District

Roads

Normal maintenance was carried out on all highways and local roads. All gravel roads were kept in good driving condition by grader maintenance and application of gravel where required and by use of chemicals for dust-control.

No. 9 Road (26R) in Agassiz from Five Corners to McDonald Road was widened in preparation for pavement widening.

Curb and gutter was installed on Arterial Highway No. 26R in the Village of Agassiz, between the Municipal Hall and the Five Corners.

The Caignon Slough on 26R in Agassiz was crossed by a fill and 20-foot timber span.

The approaches to the new Deroche and Dewdney Bridges on the Lougheed Highway were completed.

On the Lougheed Highway (165R), in the City of Port Coquitlam at Shaughnessy Street, channelization and traffic signals were installed.

A total of 6.08 miles of plant-mix paving was completed by the district during the year.

Snow-removal

All roads were kept in good travelling condition during winter.

Bridges

In co-operation with the Corporation of the District of Mission, the Simpson and Brackley Bridges on the Secondary Highway Dewdney Trunk Road (77B) were replaced by culverts and fill.

Ferries

The Albion Ferry service was continued through the year.

Esquimalt District

Roads

Maintenance was carried out on all roads in the district.

District forces reconstructed 5 miles of roads and laid 9 miles of asphalt surfacing during the year.

Bridges

The district maintains eight permanent and 105 wooden bridges, totalling 10,500 feet in length. During the year the crews renewed old wooden bridges but undertook no new construction.

Mackenzie District

Roads

Roads were maintained in fair to good condition throughout the year. Considerable ditching was done on the Sunshine Coast Highway. Widening and gravelling were carried out on a number of side-roads.

Extensive damage was done to the Bella Coola Highway due to very high water and heavy storms. No appreciable damage was caused to any other section of the district.

A total of 7.2 miles on four roads were reconstructed.

Storm-sewers were installed on the main street of the Village of Sechelt.

A total of 2.1 miles were road-mixed by day-labour.

Bridges

Considerable bridge maintenance was carried out on a number of bridges. An approach to one bridge was renewed, and two bridges were completely rebuilt.

Snow-removal

Snow-removal throughout the district was light, and a fairly mild winter experienced. Considerable sanding was done in the Sechelt Peninsula and Powell River areas.

Nanaimo-Islands District

General maintenance was maintained on all roads throughout the district.

Six-tenths of a mile of gravel roads received a double flush-coat, 2.2 miles were road-mixed, and 10.6 miles were resealed.

Reconstruction of the Lyall Harbour Road on Saturna Island was commenced in March.

Bridges

Bridge repairs were carried out on seven bridges, as well as reconstruction of one other.

New Westminster District

Roads

Normal maintenance was carried out on 6.1 miles of streets in District Lot 172.

Snow-removal

All roads were kept in good travelling condition throughout the winter.

North Vancouver District

Roads

Regular maintenance was carried out on all roads.

Further rock protection work was done on the Capilano River and clearing of the Seymour River channel.

Snow-removal

Snow-removal was medium, but considerable de-icing was done. Very little sand was used, but a considerable amount of chemicals were used.

Prince Rupert District

Roads

Routine maintenance was carried out on all roads throughout the year.

The Port Clements–Masset Road was completed early in the year, and an application of gravel placed on the section not gravelled the previous year.

One mile of the Port Edward–Cassiar Cannery Road was constructed to subgrade widths of between 12 and 18 feet.

The Northern Trans-Provincial Highway received considerable attention to improving drainage, with ditches being dug and additional culverts installed.

Bridges

All bridges were maintained satisfactorily during the year. A 12-ton limit was imposed on the Delkatla Slough Bridge at Masset due to deterioration of untreated piling.

Wharves

Minor repairs were made to the Department's wharf, the main item being the renewal of stringers and flooring in Shed No. 4. Long-term leases were entered into by headquarters, under which the lessees are obligated to undertake all further repairs and maintenance.

Snow-removal

Snowfall was generally light until late in February and March. No difficulty was experienced in keeping the roads in a satisfactory condition.

Saanich District

Roads

All roads were maintained throughout the year.

The two district crews reconstructed 2 miles of road and laid 2 miles of asphalt surfacing during the year.

Snow-removal

Winter conditions were milder than normally, and sanding and snow-removal was light.

Ferries

The completion of the Malahat Drive deprived the Brentwood–Mill Bay Ferry of much of its traffic; consequently, the operators withdrew one ferry-boat and the Department subsidized the other. No major work was necessary on the four ferry wharves maintained by the district crews.

Skeena District (West)

Roads

District roads were maintained in a good condition throughout the year.

Reconstruction consisted principally of widening and gravelling approximately 17 miles. Road-mix pavement was laid on 5 miles of the Northern Trans-Provincial Highway.

Bridges

Three bridges were rebuilt and five received major repairs.

Ferries

Ferries at Usk and Copper City were operated satisfactorily during the operating season. Boat service was supplied from February 1st to April 15th during low water.

Snow-removal

Snowfall was heavier than in previous years, and ice conditions were very bad, requiring a heavy sanding programme.

Vancouver-Point Grey District

Maintenance

Regular maintenance was carried out clearing ditches and patching pavement.

There was light snowfall during the winter, and some sanding was done, but mostly chemicals were used in keeping the roads clear of ice and snow.

Deas Island Tunnel under construction.

(Don Le Blanc photograph.)

REGION No. 2

J. W. Pomeroy, Regional Engineer, Kamloops

Cariboo District (South)

Roads

Routine maintenance was performed on all travelled roads throughout the year.

Reconstruction, including gravelling, was carried out on 6.6 miles of Brunson Lake Road, 3 miles of Chilcotin Road, and 1 mile of Lone Butte–Horse Lake Road. Regravelling and minor betterments were also done on 45 miles of other roads.

Snow-removal was normal, but, due to moderate temperatures, more sanding than usual was required.

Bridges

Beaver Creek and Deka Lake Bridges were rebuilt. Extensive repairs were made to Churn Creek and Hanceville Bridges.

Kamloops District

Roads

The usual maintenance was carried out on all roads in the district.

Work was continued on the Fishtrap–Barriere project, and 3 miles of the Chinook Cove project were completed. Both of the projects are on the North Thompson Highway.

Reconstruction of 3 miles of Highland Valley Road was completed, as was also one-half mile of Dunn Lake Road. The latter included a railroad diversion. Three miles of Tranquille–Criss Creek and 7 miles of Brocklehurst and Valleyview subdivision roads were gravelled.

Bridges

Four bridges were reconstructed. All others were maintained satisfactorily.

Ferries

General maintenance and operation of all ferries in the district was undertaken throughout the year, with only a short interruption due to ice.

Lillooet District

Roads

Normal maintenance was carried out on all roads during the year. General widening and improvements were done on the High Bar Road and other side-roads in the Clinton area.

A concrete retaining-wall 150 feet long and 10 feet high was built along the Lillooet Arterial to allow for the construction of a sidewalk.

Reconstruction work was carried out by day-labour on 1.8 miles of the Lytton–Lillooet Road.

Considerable work was done on the Lillooet yard. The old garage was removed and a large area of the yard was levelled off to permit the parking of vehicles and equipment.

A vigorous programme of bridge elimination was carried out throughout the year, with seven bridges replaced by culvert and fill.

Bridges

The bridge crew had an active year, with one new bridge constructed, seven bridges reconstructed, and forty structures repaired. Considerable difficulty was encountered building bridges in the Squamish area due to floods in the fall and again in the early spring.

Snow-removal

No difficulty was encountered this year, with a normal amount of snowfall. Bad icing conditions several times during the winter kept sanding crews at peak performance.

Ferries

Normal maintenance was carried out on the reaction ferry at Big Bar and the cable-car at Pavilion.

North Okanagan District

Roads

Due to a very mild winter there was no damage to paved roads during the spring break-up. Maintenance on all roads was carried out normally throughout the season.

Reconstruction was commenced on 5.7 miles but was not all completed. Minor improvements were made to 23 miles of road.

Bridges

Construction of the Grindrod Bridge was completed. The Brown Bridge was replaced by a culvert and fill.

Snow-removal

Snowfall was higher than the average. All roads were kept open and sanded.

Revelstoke District

Roads

Flood damage was less than in previous years and frost damage was slight. A dry summer caused a dust problem on all gravel roads.

Day-labour projects consisted of channel improvement on Mars Creek, construction of Mars Creek Bridge approaches, and grading and road-mix paving on Revelstoke–Arrowhead Road.

Bridges

Two bridges were built by district forces—namely, Crazy Creek Overpass and Mars Creek.

Salmon Arm District

Roads

Normal maintenance was carried out on all roads throughout the year.

Extensive work was undertaken improving secondary and side roads by widening, ditching, gravelling, replacing wooden culverts, and applying calcium chloride in thickly populated areas. A total of 2.8 miles of road was reconstructed; this included widening, grade revisions, and realignment.

Snow-removal was normal, but icing conditions were extreme and considerably more sanding was needed than in the past years.

Bridges

Five bridges were reconstructed throughout the year.

Ferries

Shuswap Lake Ferry Vessel " Stephanie " operated satisfactorily. Ice conditions on Shuswap Lake lasted from February 10th, 1959, to April 9th, 1959, and during that time a weekly aeroplane service was operated from Sicamous, Seymour and Anstey Arms to replace the regular boat charter.

Similkameen District

Roads

Construction was carried out on the following roads: Skaha Lake East No. 31, 1.8 miles; Richter Pass No. 84, 0.3 mile; and old Princeton–Hedley No. 116, 0.9 mile.

Shoulders of part of trunk and main highways were widened. Orchard roads were improved prior to paving, and 5.25 miles of road-mix pavement laid on them.

Bridges

Bridge No. 73 in Hedley was completely rebuilt. Major repairs were made to five other bridges.

South Okanagan District

Roads

All roads were satisfactorily maintained. Approximately 10 miles of orchard roads were reconstructed and paved.

Snowfall for the season was above normal, but all roads were kept open and in good condition.

Bridges

All bridges throughout the district were maintained during the year.

Ferries

Ferries operated in the normal manner to the time they were replaced by the new Kelowna Bridge.

Yale District

Roads

General maintenance was performed on all roads in the district. Good results were obtained from the application of chemical weed-killer to approximately 50 miles of roadside.

Three miles of the Mamit Lake Road and 2.2 miles of the Merritt–Spences Bridge Road were reconstructed.

On the Trans-Canada Highway, approximately 7 miles were road-mixed in preparation for plant-mix pavement and 3 miles were seal-coated.

Ferries

The North Bend Ferry continued to carry heavy traffic. New main and haulage cables were installed, and engineering improvements were carried out to provide more effective service.

New ramps were installed at the Lytton Ferry, which continued to operate satisfactorily throughout the year.

Trans-Canada Highway east of Savona.

REGION No. 3

D. F. Martin, Regional Engineer, Nelson

Columbia District

Roads

Maintenance on the Big Bend section of the Trans-Canada Highway consisted principally of replacing old timber culverts, widening, gravelling, and application of calcium chloride. On the Kicking Horse section a considerable number of rock and mud slides were removed. All other roads were maintained satisfactorily.

Construction by day-labour consisted of clearing and grubbing on a 12.63-mile project of the new location of the Trans-Canada Highway between Donald and Quartz Creek.

On the Kootenay–Columbia Highway between Golden and Radium, 3.2 miles were reconstructed except for gravelling, 15.5 miles were gravelled and pulvimixed, and 2.67 miles previously gravelled were pulvimixed.

Snowfall was normal, but more than the average amount of sanding was required.

Bridges

Athalmer Bridge was reconstructed, Cummins Bridge was replaced by a Bailey bridge, and reconstruction of Spillimacheen Swing Bridge was completed.

Cranbrook District

Roads

All roads throughout the district were regularly maintained. On approximately 30 miles of main highway, chemical weed and brush control was carried out successfully.

Reconstruction consisted of 2.2 miles on Kootenay–Columbia Highway at Springbrook, and a start was made on a 3-mile section of the Southern Trans-Provincial Highway near Rampart.

Snowfall was above normal, thereby placing a heavy demand on snow-removal equipment in all areas.

Bridges

Five bridges were reconstructed, repairs were carried out on three others, and one bridge was replaced by a culvert and fill.

Fernie District

Roads

General maintenance was carried out on all roads in the district.

On the Southern Trans-Provincial Highway, additional lanes for slow traffic were constructed on the Mott and Sixteen Mile Hills. At Carbon Creek a quarter-mile section was reconstructed on new alignment, and near Sparwood 3.5 miles of clearing and grubbing were completed on a new alignment.

Reconstruction of 2 miles north of Fort Steele on the Kootenay–Columbia Highway and 0.5 mile of the McBain's Lake Road were completed. Work is still in progress on the Waldo Cut-off Road between Waldo and the Elko–Roosville Road.

Bridges

Three bridges on the Corbin Road were completely rebuilt. A Bailey bridge was erected on the Elko–Roosville Road across the Elk River. General maintenance was carried out on all other bridges.

River Protection Work

Extensive river-bank protection was done in the Elk River at Fernie and Elkmouth and in Michel and Alexander Creeks east of Michel.

Snow-removal

Although snow-removal was normal, constantly changing temperatures required an excessive amount of sanding in order to combat slippery conditions.

GRAND FORKS-GREENWOOD DISTRICT

Roads

Grading, ditching, and gravelling were carried out continually throughout the season. Grading on the more travelled gravel roads was scheduled and better service resulted.

Reconstruction of 4.67 miles of the Rock Creek–McCulloch Road (Mile 12 to Mile 17), including road-mix asphalt surface, was completed. Reconstruction is in progress between Mile 19 and Mile 23 of the same road.

Some minor improvements were made on the Southern Trans-Provincial Highway between Grand Forks and Greenwood.

Bridges

All bridges were maintained throughout the year. A new deck and stringers were placed on the Midway Bridge.

Snow-removal

All roads in use were kept open, and sanding on hills and curves was carried out continually.

KASLO-SLOCAN DISTRICT

Roads

Normal maintenance was carried out, and all roads were maintained in reasonably good condition throughout the year.

A total of 5.82 miles of reconstruction on the Slocan–Arrow Lakes Highway was completed.

On the Nelson–Kaslo Highway, reconstruction was completed between Fletcher Creek and Woodbury, as was widening to standard in solid rock of a 0.27-mile section north from Coffee Creek.

After taking over the abandoned railway grade between Kaslo and New Denver last fall, a considerable amount of widening was required in rock cuts. However, some 15 miles from Kaslo west were opened for traffic in December.

Bridges

Two bridges were reconstructed and two others were replaced by culverts and fills. Regular maintenance was carried out on all others.

Ferries

Ferries at Needles and Arrow Park operated continuously throughout the year. The east ramp at Needles was repaired and extended for better operation at low water.

Snow-removal

Snowfall was somewhat higher than last year, but all roads were kept open and well sanded.

Nelson-Creston District

Roads

The reconstruction of the Balfour–Coffee Creek section of the Nelson–Kaslo Highway was completed, ready for paving, thus finishing a major project.

Continued work was done on the roads in the Lister-Canyon area in Creston, bringing 10 miles of fruit roads to an all-weather condition.

Extensive gravelling, widening, and ditching were done on numerous roads in the Nelson and Creston areas.

The Airport Road and Riondel streets were hard-surfaced.

Bridges

Normal bridge maintenance was carried out. No flood damage was experienced during the spring.

Ferries

All ferries carried increased traffic during the summer months.

A major overhaul in dry-dock was carried out on M.V. " Anscomb."

Rossland-Trail District

Roads

All roads were maintained throughout the year, and considerable gravelling was carried out on Lower China Creek Road and side-roads at Fruitvale, a total distance of 3.5 miles.

Reconstruction and widening of the Schofield Highway between Warfield and Rossland was continued for a distance of 2 miles, an additional slow-traffic lane being added and numerous sharp curves improved. Other reconstruction included widening of the Rossland–Cascade Highway and 1 mile of the old Salmo–Trail Road at Fruitvale.

Snow-removal

Snowfall throughout the winter was above average. All roads were kept open and considerable sanding was performed.

Bridges

Two bridges were eliminated and replaced by large culverts and fills. One new bridge was built across Beaver Creek access to a number of properties on the south side.

Ferries

Castlegar Ferry was maintained throughout the year and continued to give good service. The hull was repaired and the motor given a complete overhaul.

REGION No. 4

R. S. Cunliffe, Regional Engineer, Prince George

Atlin District (North)

Roads

The gravelling and ditching programme was carried out on the McDame Creek Road and Atlin Highway. Roads were well maintained in the three separate areas of this district.

Bridges

Sundry repairs were carried out on nine bridges. Major work on the Cottonwood Bridge was carried out with the assistance of the Alaska Highway Maintenance Establishment.

CARIBOO DISTRICT (NORTH)

Roads

Due to a landslide on the Cariboo Highway immediately south of Quesnel, a detour route around Dragon Lake was improved to all-weather standard. A large general gravelling and ditching programme was carried out on all major side-roads. Reconstruction continued on the heavy-haul road to Wells and Barkerville. All the remaining portion of the Cariboo Highway north of Quesnel within this district is now being reconstructed under contract.

Bridges

Maintenance and construction work was completed on twenty-seven bridges in the district.

FORT GEORGE DISTRICT

Roads

The spring break-up was particularly severe in this district. Road conditions, however, rapidly improved as the result of a concerted effort by the district with the assistance of a dry summer.

A mile of the Northern Trans-Provincial Highway was reconstructed east of McBride. Crushed gravel was applied to an additional 5 miles of John Hart Highway and this pulvimixed. Major reconstruction was carried out on the Cariboo and Northern Trans-Provincial Highways south and west of Prince George by contract.

Bridges

Two minor bridges were renewed and sundry repairs were carried out on fifty-one.

NORTH PEACE RIVER DISTRICT

Roads

A heavy and sudden spring run-off caused considerable damage to roads and bridges in the district. A major reconstruction, drainage, and gravelling programme was carried out on 17 miles of feeder roads. Tax work, a major expenditure in the Peace River, was particularly successful this year due to the dry summer.

Bridges

Reconstruction work was carried out on seven bridges, and twenty-two required sundry repairs.

OMINECA DISTRICT (EAST)

Roads

Major reconstruction or gravelling was undertaken on approximately 21 miles of the Northern Trans-Provincial Highway in this district. A portion of this was pulvimixed. Nine miles of the Vanderhoof–Stewart Lake Road were regravelled and many side-roads ditched and gravelled throughout the summer.

Bridges

Sundry repairs were carried out to twenty-six bridges during the year.

Omineca District (West)

Roads

Two miles of the Northern Trans-Provincial Highway and 2 miles of the North Francois Road were constructed. In addition, the dry summer enabled Departmental forces to accomplish a heavy ditching and gravelling programme on many side-roads. A contract was completed on 8 miles of the Northern Trans-Provincial Highway east of Burns Lake, with the exception of surfacing.

Bridges

Three bridges were replaced and sundry repairs were made to nine.

Ferries

The Francois Lake Ferry operated well into January before ice conditions forced suspension of services.

Skeena District (East)

Roads

Construction on the Northern Trans-Provincial Highway was continued west from Skeena Crossing. Pulvimix was to be laid on the highway west of Smithers, but due to the lateness of the season this was not possible.

Bridges

Three bridges were replaced by culvert and fill and two rebuilt. Major sundry repairs were carried out on an additional ten bridges.

South Peace River District

Roads

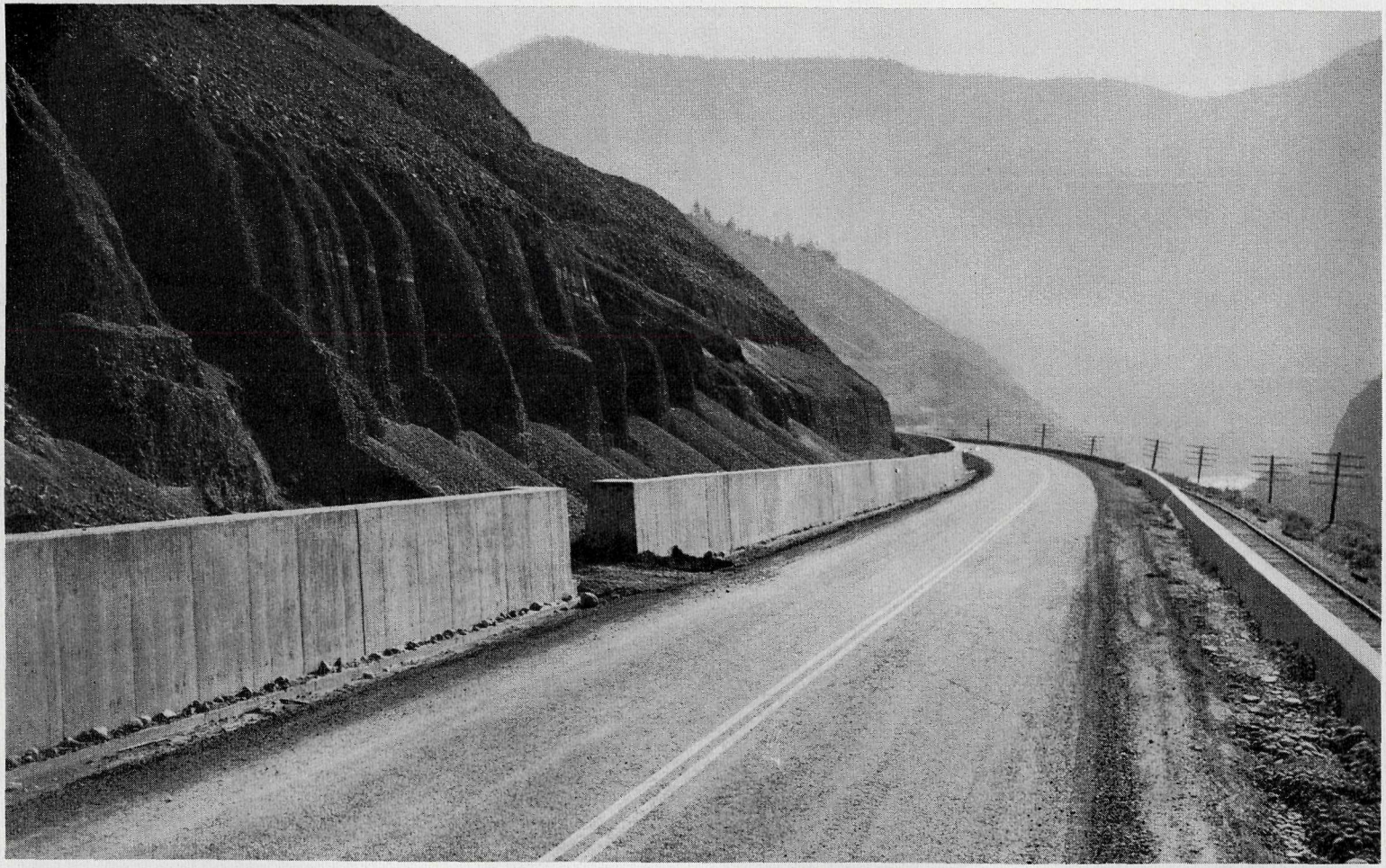
The spring run-off was sudden and heavy, and many roads and bridges were washed out throughout the district. Eight miles of the John Hart Highway required rebuilding after the spring run-off. Approximately 23 miles of feeder roads were reconstructed and (or) gravelled.

Bridges

Sundry repairs were made to fifteen bridges and four were constructed or reconstructed. Many bridges were replaced by culvert and fill.

Ferries

A new barge was placed in operation at the Clayhurst Ferry.



Trans-Canada Highway near Nicoamen River, east of Lytton.

STATEMENT AS TO MAJOR HIGHWAY WORK COMPLETED OR IN PROGRESS (BY DAY-LABOUR) DURING FISCAL YEAR 1958/59

Electoral District	Project No.	Name of Road	Extent of Work (Location of Work or Initial and Terminal Points)	Mileage of Work	Description of Work (New Construction, Reconstruction, Widening, etc.)	Date Commenced	Work Completed at Mar. 31, 1959
							Per Cent
Alberni	915	Mission Road, No. 46		0.25	Road-mix pavement		100
	915	Malabar Road, No. 133		0.50	Seal-coat		100
	915	Beaver Creek Road, No. 1		2.50	Seal-coat		100
Atlin (North)	947	McDame Creek Road	General improvements consisting of gravelling and ditching where necessary and widening of narrow curves		Gravelling and widening	May, 1958	
	947	Atlin Highway	Gravelling poorer sections		Gravelling	June, 1958	
Atlin (South)	967	Stewart – Cassiar Road (mining-roads)	Mile 11.2 of Bear River Road to Mile 2.2 of tote-road	5.00	Reconstruction of Bear River Road for 2.8 miles, minor diversions, widening, grade revision; also reconstruction of tote-road for 2.2 miles (this tote-road was constructed earlier in the year and is classed as a mining-trail)	Aug., 1958	50
Cariboo (South)	929	Brunson Lake, No. 317	Entire road	6.60	Reconstruction—realignment		100
	929	Chilcotin, No. 18	Mile 18 and Mile 144 to Mile 147	3.00	Reconstruction—realignment		100
	929	Lone Butte–Horse Lake, No. 335	Mile 1	1.00	Reconstruction—realignment		100
Chilliwack		Huntingdon Townsite	Huntingdon streets	4,595′	Curb and gutter	June, 1958	45
		Abbotsford–Mission Highway	Pine St. to Hazel St.	450′	Curb	Feb., 1958	100
	919	Trans-Canada Highway (8R)	Chilliwack to Bridal Falls	12.00	Widening	Feb., 1958	100
Columbia	958	Trans-Canada Highway, Quartz Creek–Donald	Mile 642.16 to Mile 654.79	12.63	Clearing and grubbing only	Mar., 1958	64
	938	Kootenay–Columbia Highway, No. 95	Mile 25.6 to Mile 34.3 and Mile 41.66 to Mile 51.66	18.70	Reconstruction — alignment and grade revision (15.5 miles completion of last year's work)	June, 1958	100
	938	Trans-Canada Highway, Big Bend section	Mile 14.0 to Mile 92.2	78.20	Gravelling, culverts, calcium chloride, etc.	May, 1958	100
Comox	Job 1	Hobbs Road	Railway crossing		Reconstruction—widen for sight distance	May, 1958	100
	Job 2	Island Highway, Qualicum–Bowser	1 mile south to 5 miles north of Qualicum	6.53	New construction	June, 1958	50
	Job 5	Island Highway (Arterial 94R)	Junction of Island Highway and Hilliers		Replace culvert	Oct., 1958	100
	Job 7	Cortes Bay Road	Cortes Bay to Seaford Road	1.37	Reconstruct portion of ditch, widen and gravel	Oct., 1958	100
	Job 10	Curran Road	Island Highway to bottom of hill	0.12	Reconstruct, ditch, and gravel	Mar., 1958	100
	916	Dove Creek	End of 1955 pavement to Bagley Road	1.49	Reconstruct, widen, ditch, gravel, and pave	May, 1958	100
	916	Eardley Road	Larwood to Hilchey Roads	0.60	New construction	Mar., 1958	80
	916	Fraser Road	End of 1957 pavement to Minto Road	1.12	Reconstruct, widen, ditch, gravel, and pave	June, 1958	100
	916	Grafton Ave.	Errington for 2.03 miles	2.03	Reconstruct, widen, ditch, gravel, and pave	July, 1958	100
	916	Hammond Bay	End of new and pave to old pavement	1.50	Reconstruct, widen, ditch, gravel, and pave	Aug., 1958	100

STATEMENT AS TO MAJOR HIGHWAY WORK COMPLETED OR IN PROGRESS—*Continued*

Electoral District	Project No.	Name of Road	Extent of Work (Location of Work or Initial and Terminal Points)	Mileage of Work	Description of Work (New Construction, Reconstruction, Widening, etc.)	Date Commenced	Work Completed at Mar. 31, 1959
							Per Cent
Comox	916	Little River Road	Kilmorley to end	0.79	Reconstruct, widen, ditch, gravel, and pave	May, 1958	100
	916	Northwest Bay Road	Island Highway to second E. & N. crossing	0.66	Reconstruct, widen, ditch, and gravel	Mar., 1958	100
	916	Rennison Road	Island Highway to Headquarters Road	0.78	Reconstruct, widen, ditch, gravel, and pave	May, 1958	100
	916	Tsolum River Road	Headquarters for 1 mile	1.00	Reconstruct, widen, and gravel	Mar., 1958	100
	916	Texada Road	Island Highway to E. & N. crossing	0.24	Reconstruct, widen, ditch, gravel, and pave	June, 1958	100
	916	Condensory Road	1956 to 1957 pavement	0.70	Seal-coat	Aug., 1958	100
	916	Errington Road	Portions of road	0.51	Seal-coat	Aug., 1958	100
	916	Headquarters Road	Portions of road	0.91	Seal-coat	Aug., 1958	100
	916	Kilmorley Road	Little River to top of hill	0.65	Seal-coat	Aug., 1958	100
	916	Wellington Townsite Road	Second, Third, and Corunna	0.53	Flush-coat	Aug., 1958	100
	916	Seaford Road	Portion of Anderson property	0.08	Reconstruction—clearing right-of-way	Nov., 1958	100
	916	Sayward Road	Portions	.....	General improvements	Mar., 1958	100
	916	Malcolm Island Road	Random lengths	.....	General improvements	Nov., 1958	100
Cowichan-Newcastle	913	Indian Road, No. 61		2.50	Seal-coat		100
	.....	Glenora Road, No. 50		2.50	Seal-coat		100
	.....	Allenby Road, No. 187		0.75	Seal-coat		100
	.....	Adshead, No. 1		0.60	Seal-coat		100
	.....	Davis, No. 31		1.00	Seal-coat		100
	.....	Gill, No. 2		0.20	Seal-coat		100
	.....	Victoria, No. 172		0.40	Seal-coat		100
	.....	South Oyster, No. 120		0.60	Seal-coat		100
	.....	Watts, No. 137		0.75	Seal-coat		100
	.....	Herd Road, No. 247R		0.90	Repave, road-mix		100
Cranbrook	934	Southern Trans-Provincial Highway	Mile 511.85 to Mile 514.85	3.00	Reconstruct to 40-ft. width	Aug., 1958	50
	934	Kootenay–Columbia Highway	Mile 43.20 to Mile 45.42	2.22	Reconstruct to 40-ft. width	Apr., 1958	100
Delta	831	Pacific Highway	Trans-Canada Highway south	1.50	Reconstruction—widening and grade revision	Mar. 1958	100
	.....	Trans-Canada Highway	King George VI Highway to Fry's Corner	5.60	Widening	Apr., 1958	95
	.....	Trans-Canada Highway	Hjorth Road intersection	1,000′	Traffic islands and widening	Apr., 1958	100
	831	Trans-Canada Highway	Wander Inn diversion	0.50	New diversion	Nov., 1958	60
Dewdney	.....	Lougheed Highway (26R)	Pumphouse Bridge to Harrison Hot Springs Turn-off	3.56	Reconstruction, grade revision		100
	.....	Dewdney Bridge	West and east approaches	0.37	New construction		100
	.....	Deroche Bridge	North and south approaches	0.35	New construction		100
Dewdney (East)	.....	Silver Creek–Skagit Road	Trans-Canada Highway southerly	0.70	Reconstruction — widening, grade revision, paving		100
Esquimalt	.....	Dundas Road	Shawnigan–Mill Bay Road to Thrush Road	0.10	Reconstruct, widen, and gravel	May, 1958	100
	.....	Jacklin Road	Station Bridge	0.10	Rebuild and shorten Station Bridge to 18 ft. and grade revision	May, 1958	100

							Per Cent
	.....	Parkinson Road	Parkinson Bridge	0.30	Replace bridge with culvert and fill on new alignment	Apr., 1958	100
	.....	Phillips Road	Johnson Bridge	0.40	Replace bridge with culvert and fill	Mar., 1959	50
	.....	Prince Robert Lane	Extend 0.02 mile	0.02	New construction	Oct., 1958	100
	.....	Shawnigan Lake Road	Fisher Road to north junction, Trans-Canada Highway	1.30	Reconstruct, widen, gravel, and surface	June, 1958	95
	.....	Shawnigan Lake Road	E. & N. crossing north-westerly 2 miles	2.00	Reconstruct, widen, gravel, and surface	Apr., 1958	90
	.....	Sooke River Road	Milnes Landing Railway Station to East Branch Bridge	1.00	Widen and surface	June, 1958	100
	.....	Thrush Road	Shawnigan Lake Road to Dundas	0.05	New construction	June, 1958	100
	.....	Walbank Road	Shawnigan–Mill Bay Road south 0.15 mile	0.15	Reconstruct, widen, and gravel	June, 1958	100
	.....	Wilmot Ave.	Walbank Road to Shawnigan Lake Road	0.10	0.02 mile of new construction and 0.08 mile of reconstruction	June, 1958	100
Fernie	935	Kootenay–Columbia Highway	Fort Steele north	2.00	Construction on new alignment		100
	.....	Southern Trans-Provincial Highway	Mile 550	0.50	Clearing, grading, drainage	Apr., 1958	100
	.....	Southern Trans-Provincial Highway	Mile 586	1.00	Clearing, grading, drainage		100
	.....	Southern Trans-Provincial Highway	Mile 587.1 to Mile 591	3.50	Clearing and grubbing		100
	.....	Southern Trans-Provincial Highway	Mile 600	0.25	Construction on new alignment	Sept., 1958	100
	.....	McBains Lake, No. 18	East side of lake	0.50	Clearing, grading, drainage	June, 1958	100
	.....	Waldo Cut-off, No. 54	Waldo to Junction of Highway No. 93	3.00	Clearing, grading, drainage	Oct., 1958	50
Fort George	943	John Hart Highway	Mile 28 to Mile 44	16.00	Reinforce for surfacing	May, 1959	100
	.....	McBride east, Northern Trans-Provincial Highway	King Creek revision	2.00	1 mile of new construction and 1 mile of reconstruction	June, 1959	75
	.....	Shelley south, No. 411	D.L. 8378 to D.L. 811	1.20	New construction	July, 1959	100
	.....	Dome Creek–Kidd, No. 472	Dome Creek Bridge to 1 mile east	1.00	Reconstruction and grading	Nov., 1959	25
Grand Forks-Greenwood	936	Rock Creek–McCulloch, No. 44	Lot 878 (S.) to Lot 1078 (S.)	3.00	Reconstruction—widening, realignment, grade revision	Apr., 1958	50
	936	Rock Creek–McCulloch, No. 44	Lot 2133 to Lot 1255 (S.)	4.67	Reconstruction, road-mix pavement	Sept., 1957	100
	.....	Southern Trans-Provincial Highway	Lot 3230 (S.) to Lot 597 (Greenwood)	16.00	Reconstruction—widening, realignment, road-mix pavement	Aug., 1957	12
Kamloops	837	North Thompson, No. 71	Barriere–Chinook Cove	2.50	Reconstruction—realignment and grade revision		90
	838	North Thompson, No. 71	Fishtrap–Barriere	9.00	Reconstruction—realignment and grade revision		90
	.....	Highland Valley	Mile 8 to Mile 11 from Ashcroft	3.00	New construction	Oct., 1958	100
Kaslo-Slocan	.....	Slocan–Arrow Lakes Highway	Perrys diversion	2.20	Reconstruction—final grading and gravelling	Apr., 1958	100
	940	Slocan–Arrow Lakes Highway	Cape Horn section	0.32	Reconstruction—widening in solid rock	Apr., 1958	70
	940	Slocan–Arrow Lakes Highway	Enterprise section	1.30	Reconstruction—final grading and gravelling	Apr., 1958	100
	940	Slocan–Arrow Lakes Highway	Enterprise section	0.70	Reconstruction—realignment	Apr., 1958	85
	940	Slocan–Arrow Lakes Highway	Enterprise section	0.20	Reconstruction—realignment	Apr., 1958	60
	940	Slocan–Arrow Lakes Highway	Box Lake	2.00	Reconstruction—final grading and gravelling	Apr., 1958	100
	940	Slocan–Arrow Lakes Highway	Boulder Creek	0.25	Reconstruction—realignment and bridge elimination	Aug., 1958	60
	940	Nelson–Kaslo Highway	Coffee Creek	0.27	Reconstruction—widening in solid rock	Dec., 1958	80
	940	Nelson–Kaslo Highway	Fletcher Creek to Woodbury	4.53	Reconstruction—realignment and gravelling	Apr., 1958	100

STATEMENT AS TO MAJOR HIGHWAY WORK COMPLETED OR IN PROGRESS—*Continued*

Electoral District	Project No.	Name of Road	Extent of Work (Location of Work or Initial and Terminal Points)	Mileage of Work	Description of Work (New Construction, Reconstruction, Widening, etc.)	Date Commenced	Work Completed at Mar. 31, 1959
							Per Cent
Kaslo-Slocan	.....	Kaslo–New Denver Highway	Kaslo to 15 miles west	15.00	New diversion—convert railway grade	Oct., 1958	100
	.....	Howser–Argenta	Argenta	0.30	Reconstruction—widening	Nov., 1958	100
	.....	Arrow Park–West Demars	Mosquito Creek	0.13	Reconstruction—new bridge approaches	Aug., 1958	100
Lillooet	995	Lytton–Lillooet (12A)	Halfway section	1.80	Reconstruction—new diversion, widening, and grade revision	Apr., 1958	85
Mackenzie	924	Sechelt–Pender Harbour	Powell River south	6.50	Reconstruction	Apr., 1958	25
	924	Bella Coola Highway	Mile 1 to Mile 5	4.00	Reconstruction	Apr., 1958	60
	924	Garden Bay Road	Mile 4.0 to Mile 5.1	1.10	Reconstruction	May, 1958	100
	924	Roberts Creek Road	Sunshine Coast Highway to Mile 3	3.00	Reconstruction—1 mile paved	May, 1958	90
	924	Red Roofs Road	Sunshine Coast Highway to Mile 1.6	1.60	Reconstruction	Aug., 1958	100
	924	Egmont Road	Sunshine Coast Highway to Egmont	4.00	Reconstruction	Jan., 1958	100
Nanaimo-Islands	914	Old Victoria	Trans-Canada Highway	0.50	Reconstruction and road-mix pavement	.....	100
	914	Wilgress	Northfield Road to end	0.20	Road-mix pavement	.....	100
	914	Porlier Pass Drive	Sturdies Bay north	1.50	Reconstruction and road-mix pavement	.....	100
	914	Fulford–Ganges Road	Ganges south	7.00	Seal-coat	.....	100
	914	Ganges, Lower	Ganges north	1.50	Seal-coat	.....	100
	914	Holland	.....	0.60	Seal-coat	.....	100
	914	Westwood	.....	0.50	Seal-coat	.....	100
	914	East Wellington	.....	1.00	Seal-coat	.....	100
	914	Hamilton	.....	0.10	Double flush-coat	.....	100
	914	Bruce Ave.	Eighth to Tenth Sts.	0.50	Double flush-coat	.....	100
Nelson-Creston	939	Nelson–Kaslo Highway	Coffee Creek south for 1.5 miles	1.50	Reconstruction—realignment and grade revision	Apr., 1958	100
	939	Creston orchard roads (various)	Various Orchard Roads in Lister and Canyon District	10.00	Reconstruction—widening, ditching, and gravelling	July, 1958	100
	939	Riondel streets	Riondel entrance to North Bay, Riondel entrance to Administration Building	1.50	Reconstruction—gravelling and paving	July, 1958	100
	939	Columbia River Road	Southern Trans-Provincial Highway to Airport	2.00	Reconstruction — widening, gravelling, and paving	June, 1958	100
	939	Harrop–Procter	Harrop Crossing	0.05	New construction — relocate railway crossing	Aug., 1958	100
	.....	South Slocan Repeater Station Road	Highway No. 6, Crescent Valley, to Summit of Slocan Ridge	5.00	New construction	Aug., 1958	100
	.....	Bealby Road	Bealby Point west for 0.5 mile	0.50	Reconstruction—widening and gravelling	Mar., 1959	100
	.....	Procter streets	Village of Procter	0.25	Reconstruction—widening, ditching, and gravelling	Mar., 1959	100
	.....	Riondel Road	Southern Trans-Provincial Highway north for 2 miles	2.00	Reconstruction—widening, ditching, and gravelling	Jan., 1959	100
	.....	Pass Creek Road	Crescent Valley bridge south for 0.5 mile	0.50	Reconstruction—widening, ditching, and gravelling	May, 1958	100
New Westminster	.....	*Nil*	.....	.....	.....	.....	.....
North Okanagan	932	Grindrod–Sicamous, No. 78	Grindrod approaches	0.50	Partial construction of new approaches to bridge	Sept., 1958	25
	932	Deep Creek, No. 34	Junction of Mallory and Deep Creek	0.50	Reconstruction—realignment and widening	Nov., 1958	20

							Per Cent
	932	Trask, No. 163	Junction of Oyama No. 100 Road to the end	0.50	Widening, gravelling, and paving	Sept., 1958	100
	D.V.	Oyama, No. 100	Southerly 1 mile	1.00	Gravelling and paving	Aug., 1958	100
	D.V.	Lumby–Mabel Lake, No. 75	Mile 13 (Deadman's Corner)	0.20	Reconstruction—widening	Oct., 1958	25
	D.V.	Whitevale, No. 139	Mile 10 to Grey Canal crossing	0.40	New construction	July, 1958	50
	932	Vernon–Slocan Highway	Mile 22 to Shuswap Hill	0.30	Reconstruction—widening	June, 1958	100
	D.V.	Enderby–Mabel Lake, No. 74	Mile 21 to Mile 22	1.00	Reconstruction—realignment and widening	May, 1958	80
	932	Westside, No. 138	Mile 3 to Mile 9	6.00	Reconstruction—realignment and widening	Mar., 1958	80
North Vancouver	.....	*Nil*					
Omineca (East)	942	Northern Trans-Provincial Highway	Mile 14 to Mile 24 east of Vanderhoof, Cluculz Lake section	10.00	Laying pit-run gravel	July, 1958	15
	942	Northern Trans-Provincial Highway	Mile 33 to Mile 44 west of Vanderhoof	11.00	Laying pit-run and crushed gravel preliminary to pulvimix	Apr., 1958	100
	942	Northern Trans-Provincial Highway	Mile 26.0 to Mile 27.5 west of Vanderhoof	1.50	Reconstruct on realignment, Fort Fraser Overhead section, to subgrade	May, 1958	95
	942	Northern Trans-Provincial Highway	Endako west from pavement	6.00	Reconstruct on realignment	Aug., 1958	80
Omineca (West)	941	North Francois, No. 80	Throughout road	3.50	Reconstruction — grade revision and realignment	Sept., 1958	100
	941	Topley–Babine, No. 118	Mile 6 to Mile 13	7.00	Reconstruction—widening and gravelling	Aug., 1958	100
	941	Northern Trans-Provincial Highway	15.5 miles west of Houston to 19.5 miles west of Houston	4.00	Reconstruction—realignment and gravelling	May, 1958	100
Peace River North	946	Cecil Lake–Alberta Boundary, No. 103	Top of Beatton River Hill to 3 miles east of Cecil Lake	12.00	Three sections of road elevated; total distance, 2 miles; culverts renewed throughout 12-mile stretch; 8½ miles of screened gravel placed starting from Beatton River Hill	June, 1958	100
	946	Two Rivers, No. 107	Elevating 4 miles of road	4.00	Reconstruction — elevated 4 miles of road	July, 1958	100
	.....	McKibbon, No. 121		1.00	Construction of 1 mile to meet that completed last year	Aug., 1958	100
	.....	Miscellaneous roads	Tax work	18.00	Construction of 18 miles of miscellaneous roads	Sept., 1958	100
Peace River South	945	Road No. 219	Road No. 212 to Road No. 216	2.00	Reconstruction and widening	June, 1958	100
	.....	Road No. 215	Road No. 214 to Road No. 214A	1.50	Reconstruction and widening	June, 1958	100
	.....	John Hart Highway	East Pine Hill east to Groundbirch	8.00	Rebuilding, ditching, and regravelling	Apr., 1958	100
	.....	Road No. 217	Road No. 214A to Road No. 218	2.50	Reconstruction	.....	.....
	.....	Road No. 216A	Road No. 215 to Road No. 217	1.00	Reconstruction	.....	.....
	.....	Road No. 216	Road No. 217 to Road No. 214	1.00	Reconstruction	.....	.....
	.....	Road No. 216	Road No. 247 west	0.50	Reconstruction	.....	.....
	.....	Road No. 210	Road No. 221 to Road No. 227	3.00	Rebuilding	.....	.....
	.....	Road No. 212	Road No. 243 to Road No. 245	1.00	Rebuilding	.....	.....
	.....	Road No. 214	Alaska Highway west	1.50	Rebuilding	.....	.....
	.....	Road No. 214	Road No. 241 to Road No. 243	1.00	Rebuilding	.....	.....
	.....	Road No. 217	Road No. 218 south	0.50	Rebuilding	.....	.....
Prince Rupert	921	Masset–Port Clements	Short sections throughout Masset–Port Clements Road	2.39	Completing 2.39-mile section of previous year's new construction	Apr., 1958	100
	921	Port Edward–Cassiar Cannery	Mile 0.3 to Mile 1.3	1.00	New construction	Apr., 1958	100
Revelstoke	931	Beaton–Gerrard, No. 8	Mile 8 to Mile 11	3.00	Improved — widening, including some rock work	June, 1958	100

STATEMENT AS TO MAJOR HIGHWAY WORK COMPLETED OR IN PROGRESS—*Continued*

Electoral District	Project No.	Name of Road	Extent of Work (Location of Work or Initial and Terminal Points)	Mileage of Work	Description of Work (New Construction, Reconstruction, Widening, etc.)	Date Commenced	Work Completed at Mar. 31, 1959
							Per Cent
Revelstoke	931	Revelstoke–Arrowhead, No. 5	Mile 18.25 to Mile 24.00	5.75	Gravelling and ditching	Aug., 1958	100
	931	Revelstoke–Arrowhead, No. 5	Mile 8.3 to Mile 9.0	0.70	Major reconstruction — widening and grade revision, completed with crushed rock	Apr., 1958	100
	.....	Revelstoke–Arrowhead, No. 5	Mile 2 to Mile 24	22.00	Surface treatment with calcium chloride	June, 1958	100
	931	Big Bend, No. 3	Mile 28.8 to Mile 29.2	0.40	Reconstruction—realignment for Mars Creek Bridge approaches	June, 1959	90
	931	Big Bend, No. 3	Mile 17 to Mile 22	5.00	Gravelling	July, 1958	100
Rossland-Trail	937	Southern Trans Provincial Highway to Schofield	Milk Creek Dairy to Columbia Ave., Rossland	2.50	Reconstruction—widening	Apr., 1958	75
	957	Trail–Castlegar Highway, Hanna Creek Bridge	Hanna Creek Bridge	.....	Bridge elimination	Dec., 1959	100
	957	Columbia Gardens Road, Kelly Creek Bridge	Kelly Creek Bridge	.....	Bridge elimination	Jan., 1959	100
Saanich	.....	Inwood Road	Tryron Road north 0.25 mile	0.25	Reconstruction and gravelling	June, 1958	100
	.....	Lands End Road	Birch Road northerly 0.30 mile	0.30	Widening, gravelling, and surfacing	Mar., 1959	60
	.....	Patricia Bay Highway	At Hamsterly and Sayward Road	0.20	Widen for traffic channelization	June, 1958	100
	.....	West Saanich Road, No. 122	Mills Road to Lands End	1.40	Reconstruction—widening and surfacing	Apr., 1957	100
Salmon Arm	930	White Lake Road, No. 56	Mile 2 to Mile 4	2.00	Reconstruction—realignment with grade revision, widening to 30-ft. subgrade, installation of culvert, and base-gravelled	.....	100
	930	Sorrento–Eagle Bay Road, No. 67	Mile 7.0 to Mile 7.8	0.80	Reconstruction—realignment, widening to 30-ft. subgrade, grade revision, installation of culverts, and base-gravelled	.....	100
Similkameen	959	Richter Pass Road, No. 89	Construct subgrade from Richter Lake to Rattlesnake Gulch; main fill on project	0.28	New construction	May, 1956	50
	927	Skaha Lake east, No. 31	Construct to subgrade; protect new roadway with rip-rap	1.80	New construction	1956	60
	.....	Old Princeton–Hedley, No. 116	Divert 0.9 mile of road past railway crossing to eliminate crossing over sawmill lumber-yard	.....	.....	.....	.....
Skeena (East)	948	Northern Trans-Provincial Highway	Mile 60 to Mile 63	3.00	Reconstruction and realignment	Apr., 1958	95
	.....	Cedarvale–Woodcock, No. 17	Near Wilson Creek	2.00	Reconstruction and widening	July, 1958	100
	.....	South Hazelton streets	2 miles of streets	2.00	New construction, clearing, and grubbing	June, 1958	90
	.....	Glacier Gulch Road, No. 103	Mile 0 to Mile 2	2.00	Reconstruction—widening, grading, and gravelling	June, 1958	100
	.....	Northern Trans-Provincial Highway	Doughty to Evelyn	9.00	Major gravelling	June, 1958	100
	.....	Northern Trans-Provincial Highway	Slide at Steamboat Point	0.50	Slide stabilization	July, 1958	100
	957	Babine Lake Road, No. 163	Beaver Dam, Bob Creek, Muirhead	.....	Bridge elimination	Nov., 1958	100

							Per Cent
Skeena (West)	922A	Terrace–Airport, No. 2	Preparation for paving, Mile 0 to Mile 3.7	3.70	Widening, ditching, culverts, and gravelling	May, 1958	100
	922A	Northern Trans-Provincial Highway east	Preparation for paving, Mile 0 to Mile 0.5	0.50	Widening, ditching, culverts, and gravelling	June, 1958	100
	922B	Remo Road, No. 7	Mile 2 to Mile 3 and Mile 4 to Mile 5	2.00	Realignment, grade revision, and gravelling	Aug., 1958	100
South Okanagan	926	Sundy roads	Various roads	10.00	Reconstruction prior to paving, and paving	Apr., 1958	100
Vancouver-Point Grey	-----	*Nil*	-----	-----	-----	-----	-----
Yale	925	Merritt–Spences Bridge Road	Mile 20.2 to Mile 22.40	2.20	Reconstruction—improve alignment and grade	July, 1958	90

SUMMARY BY ELECTORAL DISTRICTS OF CONTRACT PROJECTS COMPLETED OR IN PROGRESS, FISCAL YEAR 1958/59

For details of bridge and ferry-landing projects *see* Report of the Senior Bridge Engineer (pp. 12–15) and of highway and paving projects *see* Report of the Director of Construction (pp. 18–22 and 23–24).

Electoral District	Project
Alberni	Bridges: 276, Gertrude St. and Kitsuckus Bridges. Roads: 886, Kennedy River section, Alberni–Tofino Highway. Paving: S-0158, Canadian Highway.
Atlin (North)	Roads: 883, Sawmill Point–Hotel Creek, Stewart–Cassiar Highway. 966, Tanzilla River–Stikine River, Stewart–Cassiar Highway.
Burnaby	Roads: 790, Boundary Road–North Road, Lougheed Highway. Paving: S-0358, East Hastings St.
Cariboo (North)	Bridges: 198, Ahbau Creek Bridge, Cariboo Highway. 196, P.G.E. Overpass, Mile 21.2, Cariboo Highway. 196, P.G.E. Underpass, Mile 15.8, Cariboo Highway. Roads: 754, Cottonwood River–Strathnaver, Cariboo Highway. 755, Canyon Creek–Cale Creek, Cariboo Highway. 962, Dog Prairie–Quesnel River, Cariboo Highway. Paving: S-6358, Cottonwood River–Strathnaver, Cariboo Highway.
Chilliwack	Bridges: 277, Anderson Creek Bridge, Trans-Canada Highway. 277, Sardis Road Underpass, Trans-Canada Highway. 277, Atchelitz Creek Bridge, Trans-Canada Highway. 277, Chilliwack Creek Bridge, Trans-Canada Highway. Roads: 807, Vedder River–Chilliwack, Trans-Canada Highway. 821, Chilliwack–Cheam Creek, Trans-Canada Highway. 910, Fraser River–Abbotsford (Section 1), Trans-Canada Highway. Paving: S-8258, Cheam Creek–Lorenzetti Creek, Trans-Canada Highway. S-0458, Columbia Valley Road.
Columbia	Bridges: 291, Blaeberry River Bridge, Trans-Canada Highway. Roads: 879, Donald–Golden, Trans-Canada Highway. 958, Quartz Creek–Donald, Trans-Canada Highway. 961, Rogers–Quartz Creek, Trans-Canada Highway.
Comox	Paving: S-0158, Canadian Highway.
Cowichan-Newcastle	Ferry-landing, Chemainus.
Cranbrook	Paving: S-4258, Goatfell–Moyie Lake, Southern Trans-Provincial Highway.
Delta	Bridges: 285, C.N.R. Overpass, Lulu Island, Vancouver–Blaine Highway. 294, Ladner Underpass, Vancouver–Blaine Highway. Deas Slough Bridge, Vancouver–Blaine Highway. 284, Cambie Road Underpass, Vancouver–Blaine Highway. 286, No. 5 Road North and South Underpasses, Vancouver–Blaine Highway. 284, Westminster Highway Underpass, Vancouver–Blaine Highway. Deas Island Tunnel, Vancouver–Blaine Highway. Roads: 909, Oak St. Bridge–Deas Tunnel, Vancouver–Blaine Highway. 963, Deas Tunnel–Ladner Trunk Road, Vancouver–Blaine Highway.
Dewdney	Roads: 885, Vancouver–Fraser River (Contract 1), Trans-Canada Highway. 907, Seabird Bluffs–Ruby Creek, Lougheed Highway.
Esquimalt	Paving: S-8158, Malahat Chalet–Mill Bay, Trans-Canada Highway.
Fernie	Bridges: Elk River Temporary Bridge, Elko–Roosville Highway. Roads: 788, Elko–Roosville, Elko–Roosville Highway.
Fort George	Bridges: 211, Nechako River Bridge, Northern Trans-Provincial Highway. Roads: 755, Canyon Creek–Cale Creek, Cariboo Highway. 788, Blackwater–Sweden Creek, Northern Trans-Provincial Highway. 779, Lamming Mills west, Northern Trans-Provincial Highway. 893, Tabor Lake–Willow River, Northern Trans-Provincial Highway. Paving: S-6158, Prince George arterial highways.
Grand Forks-Greenwood	Roads: 777, Christina Creek–Sheep Lake (Section 2), Southern Trans-Provincial Highway. 970, Christina Creek–Sheep Lake (Section 3), Southern Trans-Provincial Highway. Paving: S-4158, North Nine Mile Creek–Jolly Jack Creek, Southern Trans-Provincial Highway.
Kamloops	Paving: S-2358, Kamloops arterial highways.

SUMMARY BY ELECTORAL DISTRICTS OF CONTRACT PROJECTS COMPLETED OR IN PROGRESS—*Continued*

Electoral District	Project
Lillooet	Roads: 691, Porteau–Britannia Beach, Squamish Highway.
	Paving:
	S-0558, Horseshoe Bay–Britannia Beach, Squamish Highway.
	S-2258, Spences Bridge–Cache Creek, Trans-Canada Highway.
	S-2258, Cache Creek–Clinton, Cariboo Highway.
Nanaimo-Islands	Ferry-landings, Thetis Island.
Nelson-Creston	Bridges:
	217, Sanca Creek Bridge, Southern Trans-Provincial Highway.
	238, Old Kootenay Channel Bridge, Southern Trans-Provincial Highway.
	Roads:
	756, Summit Creek–Creston, Southern Trans-Provincial Highway.
	870, Summit Lake to Junction with Highway No. 6, Southern Trans-Provincial Highway.
	898, South Slocan section, Southern Trans-Provincial Highway.
	1023, Blazed Creek–Summit Creek, Southern Trans-Provincial Highway.
North Vancouver	Bridges:
	280, Capilano Bridge, Trans-Canada Highway.
	237, Bridges K, L, M, and N, Squamish Highway.
	274, Harvey Creek, Squamish Highway.
	279, Lone Tree Creek, Squamish Highway.
	280, Capilano Canyon Bridge, Trans-Canada Highway.
	Roads:
	552, Horseshoe Bay north, Squamish Highway.
	644, Alberta Bay–Porteau, Squamish Highway.
	895, Marine Drive and Taylor Way, West Vancouver.
	968, Taylor Way–Second Narrows, Trans-Canada Highway.
	Second Narrows Bridge, Trans-Canada Highway.
	Paving: S-0558, Horseshoe Bay–Britannia Beach, Squamish Highway.
Omineca (West)	Roads: 882, Burns Lake–Tintagel, Northern Trans-Provincial Highway.
Peace River South	Bridges: Tate Creek Bridge, Pouce Coupe–Alberta Boundary Road.
	Roads: 881, Pouce Coupe–Alberta Boundary, Pouce Coupe–Alberta Boundary Road.
	Paving: S-6258, Dawson Creek arterial highway.
Prince Rupert	Roads: 797, Port Edward–Cassiar Cannery.
Revelstoke	Bridges:
	216, Crazy Creek Bridge, Trans-Canada Highway.
	264, Eagle River Bridge, Trans-Canada Highway.
	216, Gorge Creek Bridge, Trans-Canada Highway.
	264, North Fork of Eagle River, Trans-Canada Highway.
	272, Summit Lake Overhead Crossing, Trans-Canada Highway.
	Taft Logging-road, Trans-Canada Highway.
	272, Nineteen Mile Overhead Crossing, Trans-Canada Highway.
	185, Revelstoke Bridge, Trans-Canada Highway.
	272, Taft Overhead Crossing, Trans-Canada Highway.
	Roads:
	813B, Victor Lake–Summit Lake, Trans-Canada Highway.
	819, Craigellachie–Kay Falls–Twin Bridges, Trans-Canada Highway.
	880, Greely–Clachnacudainn Creek, Trans-Canada Highway.
	890, Revelstoke–Greely, Trans-Canada Highway.
	902, Revelstoke Park–Glacier Park (Section 1), Trans-Canada Highway.
	960, Three Mile Crossing–Revelstoke, Trans-Caada Highway.
	969, Revelstoke Park–Glacier Park (Section 2), Trans-Canada Highway.
Rossland-Trail	Bridges: 246, Upper Annable Underpass, Southern Trans-Provincial Highway.
	Roads: 878, Castlegar–Sheep Lake (Section 2), Southern Trans-Provincial Highway.
Salmon Arm	Bridges:
	273, Chase Creek Bridge, Trans-Canada Highway.
	273, Chase Overhead Crossing, Trans-Canada Highway.
	Paving: S-8458, Chase–Sorrento, Trans-Canada Highway.
Similkameen	Roads: 901, Kaleden–Skaha, Okanagan Highway.
	Paving:
	S-4158, Okanagan Falls–Vaseux Lake, Southern Trans-Provincial Highway.
	S-4158, Osoyoos–Graveyard Hill, Southern Trans-Provincial Highway.
Skeena (West)	Roads: 629, Lakelse–Kitimat River, Kitimat Highway.
	Paving:
	S-0258, Kitimat–Lakelse, Kitimat Highway.
	S-0258, Skeena Bridge–Airport Boundary, Terrace Airport Road.
	S-0258, Skeena Bridge–Kitimat Highway, Northern Trans-Provincial Highway.
South Okanagan	Bridges: Okanagan Lake (Kelowna) Bridge, Okanagan Highway.
	Roads: 897, Ellison Overhead approaches, Okanagan Highway.
	Paving:
	S-2158, Powers Creek section, Okanagan Highway.
	S-2158, approaches to Kelowna Bridge, Okanagan Highway.
	S-2158, Kelowna Bridge deck, Okanagan Highway.
	S-2158, Kelowna arterial highways.
Yale	Bridges:
	243, Nicoamen Underpass, Trans-Canada Highway.
	188, Nine Mile Canyon Bridge, Trans-Canada Highway.
	271, Sackum Overhead Crossing, Trans-Canada Highway.
	256, Sawmill Creek Bridge, Trans-Canada Highway.
	183, Alexandra Bridge, Trans-Canada Highway.

SUMMARY BY ELECTORAL DISTRICTS OF CONTRACT PROJECTS COMPLETED OR IN PROGRESS—*Continued*

Electoral District	Project
Yale	Roads:
	554, Tank Hill section, Trans-Canada Highway.
	694, Boston Bar–Salkeld, Trans-Canada Highway.
	760, Tank Hill–Spences Bridge, Trans-Canada Highway.
	762, Lytton–Tank Hill, Trans-Canada Highway.
	792, Bell Crossing–Saddle Rock, Trans-Canada Highway.
	874, Fraser River Crossing–Alexandra Bridge, Trans-Canada Highway.
	892, Saddle Rock–C.P.R. Overhead, Trans-Canada Highway.
	906, Boothroyd–Jackass Mountain, Trans-Canada Highway.
	964, Drynoch Slide stabilization, Trans-Canada Highway.
	Paving:
	S-8358, Yale–Emory Creek, Trans-Canada Highway.
	S-8358, Spuzzum Creek section, Trans-Canada Highway.
	Ferries: 290, North Bend Aerial Ferry.

SUMMARY BY ELECTORAL DISTRICTS OF PULVIMIXING PROJECTS COMPLETED BY DAY-LABOUR BY PAVING ENGINEER

For details *see* Report of the Director of Construction (p. 25).

Electoral District	Project
Chilliwack	Chilliwack west, Trans-Canada Highway.
	Lorenzetti Creek–Cheam, Trans-Canada Highway.
Columbia	Spillimacheen–Brisco, Kootenay–Columbia Highway.
	South Vermilion Canyon section, Kootenay–Columbia Highway.
	Radium junction northerly, Kootenay–Columbia Highway.
Esquimalt	Malahat Chalet–Mill Bay, Trans-Canada Highway.
Fernie	Elko–Roosville, Elko–Roosville Highway.
Fort George	John Hart Highway, Mile 27 northward.
	Peden's Hill, Northern Trans-Provincial Highway.
Kaso-Slocan	Woodbury Creek south, Balfour–Kaslo Highway.
Nelson-Creston	North of Balfour, Balfour–Kaslo Highway.
Omineca (East)	Endako eastward, Northern Trans-Provincial Highway.
Salmon Arm	Chase–Sorrento, Trans-Canada Highway.
Skeena (East)	Evelyn–Skeena Crossing, Northern Trans-Provincial Highway.
	Old Hazelton streets.
Yale	Spences Bridge–Tank Hill, Trans-Canada Highway.

MILEAGE AND TYPE OF CONSTRUCTION OF HIGHWAYS

STATEMENT AS AT MARCH 31ST, 1959, SHOWING MILEAGE OF PROVINCIAL HIGHWAYS AND MILEAGE OF HIGHWAYS CLASSIFIED UNDER PART III OF THE "HIGHWAY ACT."

(Figures for classified highways shown in bold type.)

Electoral District	Whether Provincial or Classified	Cleared Only or Not Cleared	Not Gravelled	Gravel	Surfaced				Total (Miles)
					Portland Cement Concrete	Bituminous Plant-mix Pavements	Bituminous Road-mix Pavements	Bituminous Surface Treatments	
Alberni	Provincial	65.47	11.32	132.53	.....	25.70	20.29	.....	255.31
	Classified	.....	.....	**3.30**	.....	**6.48**	**0.43**	.....	**10.21**
Atlin (North)	Provincial	53.00	101.00	325.00	.....	.....	.....	.....	479.00
	Classified	.....	.....	.....	.....	.....	.....	.....	.....
Atlin (South)	Provincial	6.70	19.40	71.70	.....	.....	.....	.....	97.80
	Classified	.....	.....	**1.78**	.....	.....	.....	.....	**1.78**
Burnaby	Provincial	.....	.....	.....	.....	0.79	.....	.....	0.79
	Classified	.....	.....	.....	**4.90**	**14.19**	**9.64**	.....	**28.73**
Cariboo (North)	Provincial	66.05	705.36	375.05	.....	53.00	22.10	.....	1,221.56
	Classified	.....	.....	.....	.....	**1.28**	.....	.....	**1.28**
Cariboo (South)	Provincial	.....	1,110.80	778.85	.....	94.30	.....	.....	1,983.95
	Classified	.....	.....	.....	.....	**1.45**	.....	.....	**1.45**
Chilliwack	Provincial	2.10	16.61	28.64	.....	24.95	4.10	0.33	76.73
	Classified	.....	.....	**1.00**	**6.95**	**43.06**	.....	.....	**51.01**
Columbia	Provincial	.....	270.38	269.83	.....	78.18	50.50	.....	668.89
	Classified	.....	.....	.....	.....	**1.75**	.....	.....	**1.75**

STATEMENT AS AT MARCH 31ST, 1959, SHOWING MILEAGE OF HIGHWAYS—*Continued*

Electoral District	Whether Provincial or Classified	Cleared Only or Not Cleared	Not Gravelled	Gravel	Surfaced				Total (Miles)
					Portland Cement Concrete	Bituminous Plant-mix Pavements	Bituminous Road-mix Pavements	Bituminous Surface Treatments	
Comox	Provincial	306.95	16.00	552.05	.....	148.56	57.26	1.11	1,081.93
	Classified	.....	.....	.....	.....	**16.46**	.....	.....	**16.46**
Cowichan-Newcastle	Provincial	35.00	1.45	167.75	.....	61.71	91.64	.....	357.55
	Classified	.....	.....	.....	.....	**41.68**	.....	.....	**41.68**
Cranbrook	Provincial	.....	260.30	144.73	.....	69.93	47.04	.....	522.00
	Classified	.....	.....	.....	**0.20**	**3.35**	**1.72**	.....	**5.27**
Delta	Provincial	1.20	.....	6.92	.....	3.85	.....	.....	11.97
	Classified	.....	.....	.....	**8.20**	**104.39**	**16.77**	.....	**129.36**
Dewdney	Provincial	.....	14.31	98.52	.....	2.88	13.12	11.25	140.08
	Classified	**3.70**	.....	**1.60**	**0.34**	**69.73**	**21.05**	**16.47**	**112.89**
Dewdney (East)	Provincial	.....	0.10	1.91	.....	7.84	.....	.....	9.85
	Classified	.....	.....	.....	.....	.....	.....	.....	.....
Esquimalt	Provincial	15.52	18.24	249.55	3.05	46.69	64.24	66.05	463.34
	Classified	.....	.....	.....	.....	**1.54**	.....	.....	**1.54**
Fernie	Provincial	.....	228.40	145.40	.....	70.60	46.20	1.40	492.00
	Classified	.....	.....	.....	.....	.....	.....	**0.60**	**0.60**
Fort George	Provincial	242.10	188.00	531.55	.....	49.45	43.10	.....	1,054.20
	Classified	.....	.....	.....	.....	**7.29**	.....	.....	**7.29**
Grand Forks-Greenwood	Provincial	91.80	296.40	153.95	.....	77.50	42.50	9.30	671.45
	Classified	.....	.....	.....	.....	**2.20**	**1.95**	.....	**4.15**
Kamloops	Provincial	7.62	358.38	826.48	.....	130.63	52.31	4.55	1,379.97
	Classified	.....	**0.25**	.....	.....	**2.40**	**4.08**	.....	**6.73**
Kaslo-Slocan	Provincial	.....	314.13	336.69	.....	16.62	18.43	.....	685.87
	Classified	.....	.....	**0.20**	.....	**3.66**	.....	.....	**3.86**
Lillooet	Provincial	.....	492.20	473.69	.....	87.02	26.44	.....	1,079.35
	Classified	.....	.....	.....	.....	**3.56**	.....	.....	**3.56**
Mackenzie	Provincial	.....	84.25	248.06	.....	73.03	14.90	.....	420.24
	Classified	.....	.....	.....	.....	**10.85**	**3.00**	.....	**13.85**
Oak Bay	Provincial	.....	.....	.....	.....	.....	.....	.....	.....
	Classified	.....	.....	.....	**0.42**	**1.77**	.....	**2.87**	**5.06**
Nanaimo-Islands	Provincial	19.00	.....	256.34	.....	6.04	22.02	36.86	340.26
	Classified	.....	.....	.....	.....	**4.00**	.....	.....	**4.00**
Nelson-Creston	Provincial	.....	46.75	254.90	0.30	178.00	26.85	.....	506.80
	Classified	.....	.....	.....	**0.45**	**5.18**	.....	.....	**5.63**
New Westminster	Provincial	.....	.....	0.88	0.27	1.26	3.69	.....	**6.10**
	Classified	.....	.....	.....	.....	.....	.....	.....	.....
North Okanagan	Provincial	.....	207.86	326.85	.....	105.25	25.74	2.00	667.70
	Classified	.....	.....	**7.10**	.....	**31.40**	**1.27**	.....	**39.77**
North Vancouver	Provincial	.....	.....	.....	.....	8.10	14.60	.....	22.70
	Classified	.....	.....	.....	**1.00**	**22.18**	.....	.....	**23.18**
Omineca (East)	Provincial	42.00	389.30	455.45	.....	39.00	29.50	.....	955.25
	Classified	.....	.....	.....	.....	**2.18**	**1.70**	.....	**3.88**
Omineca (West)	Provincial	15.50	181.70	445.30	.....	35.10	9.50	.....	687.10
	Classified	.....	.....	**0.60**	.....	**2.71**	.....	.....	**3.31**
Peace River North	Provincial	.....	1,004.05	275.50	.....	4.50	2.50	.....	1,286.55
	Classified	.....	.....	.....	.....	**2.00**	.....	.....	**2.00**
Peace River South	Provincial	4.00	540.60	334.80	.....	35.60	.....	.....	915.00
	Classified	.....	.....	**1.00**	.....	**4.50**	.....	.....	**5.50**
Prince Rupert	Provincial	.....	9.61	134.34	.....	8.51	6.00	.....	158.46
	Classified	.....	.....	.....	.....	.....	**2.61**	.....	**2.61**
Revelstoke	Provincial	0.52	27.51	238.88	.....	31.19	29.17	8.00	335.27
	Classified	.....	.....	.....	.....	**0.87**	**0.68**	.....	**1.55**
Rossland-Trail	Provincial	.....	62.00	110.20	.....	42.67	8.00	.....	222.87
	Classified	.....	.....	**0.80**	**1.30**	**14.47**	.....	.....	**16.57**
Saanich	Provincial	0.15	0.25	22.47	2.74	5.20	17.52	24.66	72.99
	Classified	.....	.....	.....	**1.00**	**16.66**	**3.97**	**10.91**	**32.54**
Salmon Arm	Provincial	2.40	277.55	223.19	.....	121.05	9.95	.....	634.14
	Classified	.....	.....	**11.02**	.....	**14.15**	.....	.....	**25.17**
Similkameen	Provincial	.....	194.15	282.60	.....	190.90	113.87	24.30	805.82
	Classified	.....	.....	.....	.....	**16.48**	.....	.....	**16.48**
Skeena (East)	Provincial	.....	58.50	364.70	.....	36.60	4.50	.....	464.30
	Classified	.....	.....	**0.85**	.....	**1.95**	.....	.....	**2.80**
Skeena (West)	Provincial	9.70	32.65	152.47	.....	46.08	21.10	.....	262.00
	Classified	.....	.....	**0.10**	.....	**6.10**	.....	.....	**6.20**
South Okanagan	Provincial	157.99	189.89	235.13	.....	89.94	59.91	1.57	734.43
	Classified	.....	.....	**1.80**	.....	**19.27**	**1.44**	**3.26**	**25.77**
Vancouver-Point Grey	Provincial	.....	.....	.....	.....	5.00	3.50	.....	8.50
	Classified	.....	.....	.....	.....	.....	.....	.....	.....
Yale	Provincial	.....	391.27	170.12	.....	127.53	89.09	.....	778.01
	Classified	.....	.....	.....	.....	**7.22**	**0.88**	.....	**8.10**
Totals (miles)	Provincial	1,144.77	8,120.66	10,202.47	6.36	2,240.75	1,111.18	191.88	23,018.07
	Classified	**3.70**	**0.25**	**31.15**	**24.76**	**508.41**	**71.79**	**33.51**	**673.57**
Grand totals (miles), Provincial and Classified		1,148.47	8,120.91	10,233.62	31.12	2,749.16	1,182.97	225.39	23,691.64

CLASSIFICATION OF HIGHWAYS

Under Part III of the "Highway Act"

STATEMENT SHOWING HIGHWAYS CLASSIFIED AS AT MARCH 31ST, 1959

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Mileage	
				Arterial	Secondary
City Municipalities					
Alberni	33R	Canadian Highway	Arterial	2.00	
	152R	River Road	Arterial	1.60	
	39B	Beaver Creek Road	Secondary		0.43
Armstrong	270R	Okanagan Highway	Arterial	0.52	
	33B	Armstrong–Salmon Arm	Secondary		0.90
	152B	Pleasant Valley Road	Secondary		1.50
Chilliwack	130R	Trans-Canada Highway	Arterial	1.65	
Courtenay	32R	Island Highway	Arterial	1.35	
	153R	Comox Road	Arterial	1.06	
	3B	Cumberland Road, England Ave., and Fifth St.	Secondary		1.10
Cranbrook	123R	Van Horne St., Baker St., and Cranbrook St.	Arterial	1.03	
Dawson Creek	257R	John Hart Highway	Arterial	0.38	
	258R	Eighth St.	Arterial	0.50	
	274R	Alaska Highway, Alaska Ave., and Manse Road	Arterial	2.46	
	145B	108th Ave., 17th St., 102nd Ave., and 12th St.	Secondary		1.73
Duncan	138R	York Road, Tzouhalem Road, Government St., and Island Highway	Arterial	1.46	
	119B	Tzouhalem Road	Secondary		0.68
Enderby	36R	Vernon–Salmon Arm	Arterial	1.11	
	125B	Cliff St.	Secondary		0.16
Fernie	221R	Southern Trans-Provincial Highway	Arterial	0.60	
Grand Forks	44R	Southern Trans-Provincial Highway	Arterial	2.40	
Greenwood	43R	Southern Trans-Provincial Highway	Arterial	1.75	
Kamloops	121R	Columbia St. and Trans-Canada Highway	Arterial	1.70	
	216R	Victoria St.	Arterial	0.70	
	239R	Eighth Ave., Lorne St., and Bridge St.	Arterial	0.75	
	122B	Third Ave. and Victoria St.	Secondary		0.80
	141B	Part First Ave. and part Lorne St.	Secondary		0.68
Kelowna	243R	Bernard Ave. and Vernon Road	Arterial	1.23	
	255R	Harvey Ave., Abbott St., and Bernard Ave	Arterial	1.40	
Kimberley	126R	Warren Ave., Wallinger Ave., Ross St., and Banff–Windermere Highway	Arterial	1.90	
Langley	263R	Trans-Canada Highway	Arterial	3.00	
	264R	Glover Road	Arterial	1.00	
	265R	New McLellan Road	Arterial	1.10	
Nanaimo	224R	Island Highway	Arterial	2.00	
	242R	Nicol St., Terminal Ave., and Fraser St.	Arterial	2.00	
North Vancouver	134R	Marine Drive, Third St., and Cotton Road	Arterial	3.20	
Nelson	275R	Nelson Bridge approach, Nelson Ave., Anderson St., Front St., Ward St., Silica St., Stanley St., and Hall Mines Road	Arterial	2.67	
	186R	Government Road, Railway St., and Vernon St.	Arterial	0.70	
Penticton	182R	Okanagan Highway, Skaha Lake Road, and Main St.	Arterial	3.89	
	223R	Okanagan Highway, Westminster Ave., and new highway	Arterial	0.90	
	135B	Penticton–Naramata Road	Secondary		5.50
Port Alberni	129R	Trunk Highway, Third Ave., Kingsway, and Argyle St.	Arterial	1.63	
	240R	Redford St. and Port Alberni Highway	Arterial	1.25	
Port Coquitlam	75R	Central Arterial	Arterial	3.70	
	165R	Lougheed Highway	Arterial	3.80	
Port Moody	57R	Ioco–Port Moody	Arterial	2.59	
	200R	Barnet Highway	Arterial	3.93	
	116B	Clarke Road	Secondary		0.80
Prince George	276R	Northern Trans-Provincial Highway, Twentieth Ave., Victoria St., First Ave., and Cameron St.	Arterial	5.45	
	133B	Patricia Ave. and Queen St.	Secondary		1.20
Prince Rupert	122R	Shawatlans Road, Fredericks St., Eleventh Ave., Prince Rupert Boulevard, and McBride St.	Arterial	2.61	
Revelstoke	229R	Wilson St., Victoria Road, and Wales St.	Arterial	0.45	
	139B	Victoria Road, McKenzie Ave., Third St., Railway Ave., and Fourth St.	Secondary		1.10
Rossland	144R	Rossland–Paterson Highway, Columbia Ave., St. Paul St., Le Roi Ave., and Schofield Highway	Arterial	2.65	
Trail	267R	Trail–Salmo–Nelson Highway	Arterial	4.15	

STATEMENT SHOWING HIGHWAYS CLASSIFIED AS AT MARCH 31ST, 1959—*Continued*

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Mileage	
				Arterial	Secondary
City Municipalities—Continued					
Vernon	127R	Thirty-second St., Forty-third Ave., and Twenty-seventh St.	Arterial	2.30	
	114B	Thirtieth Ave., Thirtieth St., and Coldstream Road	Secondary		0.78
White Rock	149B	Marine Drive, Washington Ave., and Campbell River Road	Secondary		3.12
				82.52	20.48
District Municipalities					
Burnaby	1R	Trans-Canada Highway (Kingsway)	Arterial	4.22	
	14R	Hastings–Barnet (Barnet Highway)	Arterial	6.38	
	17R	Central Arterial (Lougheed Highway)	Arterial	6.15	
	135R	Grandview–Douglas Highway	Arterial	5.43	
	241R	Edmonds St.	Arterial	0.60	
	272R	Tenth Ave.	Arterial	1.25	
	14B	North Road (west half)	Secondary		1.40
	22B	Riverway (Marine Drive)	Secondary		3.30
Central Saanich	170R	West Saanich Road	Arterial	4.55	
	171R	Scott Road and portion of Mount Newton Cross-road	Arterial	1.60	
	172R	Verdier Ave.	Arterial	0.77	
	213R	Patricia Bay Highway	Arterial	4.30	
	121B	Keating Cross-road	Secondary		2.00
Chilliwhack	8R	Trans-Canada Highway (Yale Road)	Arterial	15.27	
	260R	Mount Baker Trail	Arterial	1.00	
	62B	Sardis Road	Secondary		3.65
	106B	Cultus Lake Road	Secondary		0.88
Coldstream	103R	Monashee Road (White Valley)	Arterial	9.00	
Coquitlam	166R	Lougheed Highway	Arterial	7.50	
	167R	Coquitlam Road	Arterial	0.40	
	201R	Barnet Highway	Arterial	1.55	
	14B	North Road (east half)	Secondary		1.40
	115B	Clarke Road	Secondary		1.05
Delta	133R	Road to ferry, Westminster Ave., Elliott St., Ladner Trunk Road, and Scott Road	Arterial	15.85	
	40B	Boundary Bay Road	Secondary		7.80
Esquimalt	204R	Craigflower Road	Arterial	1.00	
	126B	Tillicum Road	Secondary		0.54
Fraser Mills	76R	Central Arterial (Lougheed Highway)	Arterial	0.78	
Glenmore	82R	Kelowna–Vernon	Arterial	0.93	
	252R	Bernard Ave. and Glenmore Drive	Arterial	5.40	
Kent	26R	Lougheed Highway (Deroche–Agassiz Road and Agassiz Ferry Road)	Arterial	13.72	
	160R	Harrison Hot Springs Road	Arterial	2.37	
	214R	Kelly Road	Arterial	0.41	
Kitimat	277R	Terrace–Kitimat Highway	Arterial	4.25	
Langley	77R	Aldergrove–Bellingham	Arterial	4.04	
	259T	Glover Road	Arterial	6.00	
	262R	Trans-Canada Highway	Arterial	11.00	
Maple Ridge	22R	Lougheed Highway	Arterial	12.46	
	73B	River Road and Dewdney Trunk Road	Secondary		10.80
Matsqui	4R	Trans-Canada Highway (Yale Road)	Arterial	7.88	
	12R	Abbotsford–Mission	Arterial	5.27	
Mission	23R	Lougheed Highway	Arterial	9.10	
	77B	Dewdney Trunk Road	Secondary		15.50
	96B	Cedar Valley Road	Secondary		2.00
North Cowichan	168R	Trans-Canada Highway	Arterial	12.10	
	247R	Somenos Road and Herd Road	Arterial	2.50	
	248R	Mount Sicker Road, Chemainus Road, Crofton Road, and Chaplin Road	Arterial	4.20	
	249R	Cowichan Lake Road	Arterial	3.30	
	36B	Quamichan Lake Road	Secondary		4.25
	144B	Somenos Road and Chemainus Road	Secondary		10.00
North Vancouver	156R	Marine Drive	Arterial	1.00	
	157R	Main St., Dollarton Highway, and Deep Cove Road	Arterial	6.00	
	56B	Mountain Highway	Secondary		1.73
Oak Bay	109B	Beach Drive	Secondary		5.06

STATEMENT SHOWING HIGHWAYS CLASSIFIED AS AT MARCH 31ST, 1959—*Continued*

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Mileage	
				Arterial	Secondary
District Municipalities—Continued					
Peachland	40R	Peachland–Kelowna	Arterial	7.16	.....
Pitt Meadows	21R	Lougheed Highway (Dewdney Trunk Road)	Arterial	3.23	.....
	74B	Harris Road	Secondary	.....	1.70
	75B	Hammond Road	Secondary	.....	0.90
	78B	Harris Road	Secondary	.....	1.90
	79B	McNeil Road	Secondary	.....	2.00
	92B	Old Dewdney Trunk Road	Secondary	.....	3.50
Powell River	245R	Marine Ave., Ocean View Ave., Second St., Poplar Ave., First St., and Lund Highway	Arterial	9.50	.....
	143B	Fourth St.	Secondary	.....	1.70
Richmond	66R	No. 5 Road	Arterial	5.89	.....
	50B	Woodward Highway	Secondary	.....	6.28
	84B	Steveston Highway	Secondary	.....	2.90
Saanich	28R	Island Highway	Arterial	1.70	.....
	174R	West Saanich Road	Arterial	5.60	.....
	212R	Patricia Bay Highway	Arterial	7.20	.....
	228R	Trans-Canada Highway	Arterial	2.40	.....
	148B	Tillicum Road	Secondary	.....	0.09
Salmon Arm	38R	Trans-Canada Highway	Arterial	8.25	.....
	146R	Canoe Road	Arterial	4.70	.....
	24B	Salmon Arm–Enderby	Secondary	.....	4.20
	26B	Salmon Arm–Grand Prairie	Secondary	.....	6.25
Spallumcheen	271R	Okanagan Highway	Arterial	13.50	.....
	273R	Armstrong–Salmon River Highway	Arterial	7.10	.....
Sumas	6R	Trans-Canada Highway	Arterial	11.68	.....
	111R	"C" St., Abbotsford–Huntingdon Road	Arterial	2.05	.....
	150R	Abbotsford By-pass	Arterial	0.50	.....
Summerland	238R	Okanagan Highway	Arterial	7.00	.....
	142B	Peach Orchard Road	Secondary	.....	2.65
Surrey	2R	Trans-Canada Highway (Yale Road)	Arterial	12.91	.....
	13R	Pacific Highway	Arterial	9.55	.....
	15R	King George VI Highway	Arterial	14.11	.....
	114R	Campbell River Road	Arterial	1.00	.....
	125R	New McLellan Road	Arterial	6.75	.....
	139R	Scott Road	Arterial	7.04	.....
	269R	Beaubien Road	Arterial	2.77	.....
	150B	Campbell River Road	Secondary	.....	1.50
	151B	Marine Drive, Stevenson Road, and Crescent Road	Secondary	.....	5.75
West Vancouver	89R	Marine Drive Addition	Arterial	0.10	.....
	132R	Marine Drive, Keith Road	Arterial	10.45	.....
	250R	Taylor Way	Arterial	0.70	.....
				362.37	112.68
Town Municipalities					
Fort St. John	141R	Highway St.	Arterial	1.00	.....
	142R	Centre Ave.	Arterial	1.00	.....
Mission City	24R	Abbotsford–Mission Road (Horne Ave. and Harbour St.)	Arterial	0.56	.....
	25R	Lougheed Highway (Dewdney Trunk Road)	Arterial	1.40	.....
	93B	Seventh St. and Grant Ave.	Secondary	.....	0.70
	97B	Cedar Valley Road (east half)	Secondary	.....	0.50
Quesnel	47R	Cariboo Road	Arterial	1.28	.....
				5.24	1.20
Village Municipalities					
Abbotsford	5R	Trans-Canada Highway (Yale Road)	Arterial	0.50	.....
	11R	Abbotsford–Mission	Arterial	0.33	.....
	149R	Abbotsford By-pass	Arterial	0.35	.....
Ashcroft	198R	Brink St., Fourth St., and Railway Ave.	Arterial	1.00	.....
Burns Lake	49R	Prince Rupert Highway	Arterial	0.53	.....
	158R	Burns Lake–Francois Lake Road	Arterial	0.18	.....
Campbell River	120R	Island Highway	Arterial	2.47	.....
Castlegar	112R	Southern Trans-Provincial Highway	Arterial	1.45	.....
Chapman Camp	105B	Fifth Ave., Third Ave., and portion of Main Road	Secondary	.....	0.42
	107B	Mill Road	Secondary	.....	0.47

STATEMENT SHOWING HIGHWAYS CLASSIFIED AS AT MARCH 31ST, 1959—*Continued*

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Mileage	
				Arterial	Secondary
Village Municipalities—Continued					
Comox	234R	Comox Ave. and Anderton Road	Arterial	1.14	
	111B	Comox Ave., Wharf St., and Balmoral Ave.	Secondary		1.00
Creston	45R	Southern Trans-Provincial Highway (Canyon Road)	Arterial	0.83	
Cumberland	34B	Dunsmuir Ave.	Secondary		0.36
	35B	Courtenay–Cumberland Road (Fourth St.)	Secondary		0.21
Fort St. James	254R	Vanderhoof–Stuart Lake Road and Fort St. James Road	Arterial	1.70	
Fruitvale	202R	Trail–Salmo–Nelson Highway	Arterial	1.85	
	129B	Columbia Gardens Road	Secondary		0.80
Gibsons Landing	164R	Gibsons Landing–Pender Harbour Highway	Arterial	1.12	
	120B	Gower Point Road	Secondary		0.88
Harrison Hot Springs	161R	Harrison Hot Springs Road and Lillooet Ave.	Arterial	2.64	
Hope	179R	Hope–Princeton Highway	Arterial	1.65	
	180R	Trans-Canada Highway	Arterial	1.05	
Houston	266R	Northern Trans-Provincial Highway	Arterial	0.80	
Invermere	189R	Waterway Drive, Third St., and Bruce Ave	Arterial	1.75	
Kaslo	78R	Nelson–Kaslo	Arterial	0.73	
	113R	"A" Ave., Eighth Ave., and "C" Ave.	Arterial	0.85	
Kinnaird	181R	Southern Trans-Provincial Highway	Arterial	2.86	
Ladysmith	68R	Island Highway	Arterial	0.63	
Lake Cowichan	98R	Cowichan Lake Road and North Shore Road	Arterial	1.44	
	99R	South Shore Road	Arterial	1.12	
Lumby	261R	Vernon St. (Slocan Highway)	Arterial	1.65	
	147B	Shuswap Ave.	Secondary		1.25
Lytton	106R	Trans-Canada Highway	Arterial	0.30	
	107R	Main St.	Arterial	0.60	
	108R	Sixth St. and Fraser St.	Arterial	0.28	
Lillooet	116R	Main St. and Main St. South	Arterial	1.29	
Marysville	236R	Kootenay–Columbia Highway	Arterial	1.45	
Merritt	73R	Merritt–Spences Bridge	Arterial	1.00	
	101R	Merritt–Kamloops	Arterial	1.51	
	102R	Merritt–Princeton	Arterial	1.21	
	130B	Voght St.	Secondary		0.50
McBride	220R	First Ave. and Main St.	Arterial	0.64	
Montrose	264R	Trail–Salmo–Nelson Highway	Arterial	1.00	
New Denver	88R	Slocan Valley–Nakusp Highway	Arterial	0.91	
North Kamloops	109R	Kamloops–Tranquille Road	Arterial	1.10	
Oliver	115R	Okanagan St.	Arterial	0.84	
	118B	Fairview Road	Secondary		0.66
Osoyoos	145R	Main St., First Ave., and Lakeshore Drive	Arterial	1.22	
	137B	Fourth Ave.	Secondary		0.75
Parksville	176R	Island Highway	Arterial	2.15	
	177R	Canadian Highway	Arterial	0.76	
Pouce Coupe	83R	Arterial Highway, Pouce Coupe	Arterial	0.43	
Princeton	194R	Bridge St. and Merritt (One Mile–Princeton) Road	Arterial	0.64	
	199R	Southern Trans-Provincial (Hope–Princeton) Highway	Arterial	1.30	
	127B	Vermilion Ave.	Secondary		0.28
	128B	Tulameen Road	Secondary		0.50
Qualicum Beach	94R	Island Highway	Arterial	3.26	
	154R	Jones St., Second Ave., Main St., and Station Road	Arterial	1.60	
Salmo	230R	Salmo–Fruitvale Road	Arterial	0.78	
	231R	Nelson–Nelway Road	Arterial	0.65	
Salmon Arm	197R	Trans-Canada Highway	Arterial	0.87	
	23B	Salmon Arm–Enderby	Secondary		0.69
	80B	Salmon Arm–Enderby	Secondary		0.21
Sechelt	244R	Porpoise Bay Road	Arterial	0.65	
Sidney	268R	Fifth St., Queens Ave., and Resthaven Drive	Arterial	1.33	
	146B	Beacon Ave.	Secondary		1.00
Silverton	90R	Slocan Valley–Nakusp Highway	Arterial	0.45	
Slocan	87R	Slocan Valley–Nakusp Highway	Arterial	0.92	
Smithers	50R	Prince Rupert Highway	Arterial	1.45	
	58B	Hudson Bay Mountain Road	Secondary		1.35
Squamish	222R	Galbraith Ave., Vancouver St., and Cleveland Ave.	Arterial	2.27	
Stewart	72R	Stewart–Bear River Highway	Arterial	1.78	

STATEMENT SHOWING HIGHWAYS CLASSIFIED AS AT MARCH 31ST, 1959—*Continued*

Name of Municipality	Ref. No.	Name of Highway	How Classified	Approximate Mileage	
				Arterial	Secondary
Village Municipalities—Continued					
Telkwa	215R	Northern Trans-Provincial Highway	Arterial	0.80	
	136B	Telkwa Coal Road	Secondary		1.00
Terrace	219R	Northern Trans-Provincial Highway	Arterial	1.45	
	67B	Kalum St.	Secondary		0.50
Tofino	86R	Tofino–Ucluelet Road	Arterial	1.17	
Ucluelet	192R	Tofino–Ucluelet Road	Arterial	1.13	
Vanderhoof	232R	Northern Trans-Provincial Highway	Arterial	1.23	
	233R	Fort St. James Highway	Arterial	0.95	
Warfield	205R	Southern Trans-Provincial Highway	Arterial	0.68	
	206R	Trail–Salmo–Nelson Highway	Arterial	1.13	
Williams Lake	79R	Williams Lake–Soda Creek Road	Arterial	1.00	
	190R	Railway Ave.	Arterial	0.45	
Zeballos	196R	Zeballos Road	Arterial	1.00	
				76.25	12.83

Summary

	Approximate Mileage	
	Arterial	Secondary
City municipalities	82.52	20.48
District municipalities	362.37	112.68
Town municipalities	5.24	1.20
Village municipalities	76.25	12.83
Total classified highways	526.38	147.19
Deduct for duplicate mileage—		
Scott Road in Delta and Surrey District Municipalities	4.95	
Lougheed Highway in City of Port Coquitlam and Coquitlam District Municipality	0.60	
Vernon Road in City of Vernon and District of Glenmore	0.43	
	520.40	147.19

SNOW-REMOVAL, FISCAL YEAR 1958/59

Electoral District	Miles Kept Open by Plough (or Attempted)	Total Cost
Alberni	172.77	$10,386.62
Atlin (North)	260.00	74,370.90
Atlin (South)	67.10	13,052.28
Burnaby	24.03	8,177.48
Cariboo (North)	930.00	90,117.70
Cariboo (South)	1,319.00	119,637.53
Chilliwack	90.59	12,902.94
Columbia	397.59	78,830.47
Comox	781.93	39,567.12
Cowichan-Newcastle	313.37	18,327.19
Cranbrook	432.26	67,358.80
Delta	115.79	17,191.67
Dewdney	201.52	29,711.42
Esquimalt	433.88	16,439.40
Fernie	381.50	54,300.47
Fort George	795.39	139,035.11
Grand Forks-Greenwood	563.60	93,030.80
Kamloops	1,322.47	178,853.37
Kaslo-Slocan	406.60	108,311.81
Lillooet	819.18	90,991.29
Mackenzie	274.66	23,934.77
Nanaimo and The Islands	307.23	10,465.43
Nelson-Creston	525.65	154,723.13
New Westminster	6.10	287.80
North Okanagan	737.85	85,993.90
North Vancouver	38.05	8,491.23
Omineca (East)	579.70	43,538.13
Omineca (West)	553.81	68,030.78
Peace River North	1,124.50	84,074.13
Peace River South	533.40	131,808.37
Prince Rupert	124.70	20,305.10
Revelstoke	267.51	109,680.28
Rossland-Trail	224.03	100,966.28
Saanich	106.03	4,918.26
Salmon Arm	660.65	62,792.85
Similkameen	773.73	174,309.54
Skeena (East)	451.45	43,141.11
Skeena (West)	250.00	103,426.95
South Okanagan	495.14	52,274.90
Vancouver-Point Grey	7.85	724.95
Yale	777.08	127,220.89
Totals	18,647.69	$2,671,703.15

REPORT OF THE DEPARTMENTAL COMPTROLLER

During the fiscal period under review, it was deemed by the Treasury Board that, under the present system of accounting, the financial commitments of the Department were difficult to determine, and direction was received to the effect that certain revisions were to be made in order to provide more adequate financial control. This revision was undertaken, and the desired results have been partially obtained by the elimination of a rather complicated cost system which had been superimposed on the normal Government accounting records. When the revision is completed in the next fiscal year, the required cost records will become subsidiary to the main accounts.

The following pages present the financial report of the Department of Highways. While the changes made in the accounting system do not in any way affect the financial information contained in the report, the format of the report has been altered so as to reflect in one location the detail of expenditure by electoral districts.

A. E. RHODES,
Departmental Comptroller.

STATEMENT OF EXPENDITURES, FISCAL YEAR, 1958/59

SUMMARY

MAINTENANCE

Vote 194—			
Roads, etc.	$8,513,399.08		
Bridges	1,063,506.18		
Ferries	1,466,549.14		
Snow-removal	2,671,703.15		
		$13,715,157.55	
Vote 195—Toll-bridge Maintenance		371,570.90	
Vote 196—Local Highways within Municipal Limits		141,536.71	

CAPITAL

Vote 347—Trans-Canada Highway—			
Roads	$15,098,062.08		
Bridges	3,106,722.42		
Surveys	158,829.31		
Rights-of-way	2,810,815.26		
Paving	866,780.30		
		22,041,209.37	
Vote 348 (*a*)—General Highways—			
Roads	$16,034,801.67		
Surveys	544,322.42		
Rights-of-way	610,401.23		
Bridge elimination	152,642.84		
Radio-telephone installations	261,223.37		
Treasury bill H. D. A.	400,000.00		
Crushed gravel	226,209.10		
Materials testing	353,803.07		
Metropolitan planning	8,450.62		
		18,591,854.32	
Vote 348 (*b*)—			
Bridges	$1,384,419.66		
Ferries	91,311.51		
Ferry-landings	81,466.19		
		1,557,197.36	
Vote 348 (*c*)—Hard Surfacing		2,968,851.10	
Vote 353—Mining-roads		1,269,535.72	
Vote 362—Okanagan Flood-control		49,693.03	
Total, maintenance and capital			$60,706,606.06

MISCELLANEOUS VOTES

Vote 192—Minister's Office (*see* Public Accounts for details)	$31,335.64	
Vote 193—General Administration (*see* Public Accounts for details)	1,627,563.05	
Votes 194, 195, and 196—*see* under Maintenance.		
Vote 197—Vehicle Damage Claims	28,688.98	
Vote 198—Highway Signs, Signals, Traffic-control, etc.	201,987.98	
Vote 199—Weigh-scales Operation	166,711.72	
Vote 200—Grants and Subsidies (*see* Public Accounts for details)	45,842.50	
Vote 201—Purchase of New Equipment	951,395.81	
Vote 202—Salary Revision	164,000.00	
Total, miscellaneous votes		3,217,525.68
Gross expenditure		$63,924,131.74
Less—		
Ferry revenue		631,134.77
Government of Canada contributions—		
Trans-Canada Highway		11,278,189.84
Mining-roads		1,019,680.62
Okanagan Flood-control		76,814.33
Net expenditure		$50,918,312.18

SUMMARY—*Continued*

SUMMARY OF MAINTENANCE AND CAPITAL EXPENDITURES FOR ROADS, BRIDGES, FERRIES, SURVEYS, RIGHTS-OF-WAY, SURFACING, ETC., 1958/59

Electoral District	Total
Alberni	$1,171,348.02
Atlin (North)	1,234,497.22
Atlin (South)	267,622.72
Burnaby	1,126,089.26
Cariboo (North)	2,300,051.44
Cariboo (South)	518,116.57
Chilliwack	3,822,900.23
Columbia	2,454,088.50
Comox	677,319.68
Cowichan-Newcastle	496,093.53
Cranbrook	698,391.99
Delta	3,206,070.80
Dewdney	1,230,978.64
Esquimalt	544,894.06
Fernie	850,136.07
Fort George	2,996,176.90
Grand Forks-Greenwood	982,601.94
Kamloops	1,740,627.22
Kaslo-Slocan	635,611.71
Lillooet	773,704.99
Mackenzie	449,843.31
Nanaimo-Islands	437,043.88
Nelson-Creston	1,671,680.06
New Westminster	22,553.45
North Vancouver	3,589,174.56
North Okanagan	485,317.37
Oak Bay	*Nil*
Omineca (East)	550,036.63
Omineca (West)	1,254,417.61
Peace River North	415,458.79
Peace River South	2,495,398.44
Prince Rupert	248,719.05
Revelstoke	5,898,997.01
Rossland-Trail	1,247,621.00
Saanich	169,026.42
Salmon Arm	796,025.29
Similkameen	838,977.00
Skeena (East)	475,994.73
Skeena (West)	1,141,911.44
South Okanagan	767,124.43
Vancouver-Point Grey	42,694.25
Yale	8,290,147.32
Headquarters	1,708,872.90
Toll-bridge Maintenance	371,570.90
Okanagan Flood-control	49,693.03
Gross	$61,145,620.36
Less Department of Transport credits *re* railway-crossing claims	439,014.30
Net	$60,706,606.06

HEADQUARTERS

Roads generally (includes items for centre-line marking, mixing plants, leases, and other miscellaneous expenditures)		$477,119.57
Bridges generally (miscellaneous items)	(Credit)	*4,360.81*
Ferries generally (miscellaneous items)		23,115.39
Machinery	(Credit)	*335,090.99*
Surveys—General surveys and supplies		$66,151.48
Rights-of-way—		
Revenue from sale of buildings (on general rights-of-way)	(Credit)	*6,412.25*
Revenue from sale of buildings (on Trans-Canada rights-of-way)	(Credit)	*146,242.32*
Bridges—		
Bridge design, consulting engineers' fees, etc. (Project No. 281)	$106,886.70	
Steel and precast concrete-stringer units, drilling test piles, etc. (Project No. 22)	156,143.22	
Paint for highway bridges (miscellaneous) (Project No. 25)	65.88	
		263,095.80
Roads (general items)—		
Metropolitan highway planning, Vancouver highway (consulting engineers) (Project No. 899)	$8,450.62	
Materials testing (Project No. 956)	353,803.07	
Treasury bill H.D.A. (*re* Agamemnon Bay Road) (Project No. 900)	400,000.00	
Radio-telephone installation (Project No. 955)	261,223.37	
Crushed gravel for day-labour projects (Project No. 923)	226,209.10	
Bridges elimination (sundry) (Project No. 957)	155.30	
		1,249,841.46
Surfacing—Wages, general expenses, supplies, curb and gutter survey		121,655.57
Total, Headquarters		$1,708,872.90

TOLL-BRIDGE MAINTENANCE

Agassiz–Rosedale	$21,779.68
First Narrows	143,375.34
Kelowna	29,999.26
Nelson	12,819.71
Oak Street	163,087.09
Deas Tunnel	509.82
	$371,570.90

OKANAGAN FLOOD-CONTROL

Capital expenditure (maintenance expenditures were responsibility of Department of Agriculture)	$49,693.03

ALBERNI DISTRICT

Day labour (Project No. 915)—		
Sundry roads, reconstruct and road-mix pave	$3,000.00	
Sundry roads, seal-coating 4 miles	2,044.00	
Tofino–Ucluelet, general improvements	10,000.00	
Subdivision roads, construct, Alberni	10,485.60	
Drainage, District Lot 112, Alberni	4,469.49	
		$29,999.09
Maintenance of roads		109,504.23
Maintenance of bridges		6,260.94
Snow-removal		10,386.62
Surveys—Port Alberni–Tofino		284.30
Rights-of-way—Gertrude Street and Kitsucksus Creek Bridges		1,529.00

ALBERNI DISTRICT—*Continued*

Construction—		
Bridges—Gertrude Street and Kitsucksus Creek Bridges (Project No. 276)		$256,017.83
Roads—Alberni–Tofino Highway, Kennedy River section (Project No. 886)		649,057.90
Surfacing—		
Port Alberni Highway from the east boundary of Port Alberni to junction of Canadian Highway, strengthen and pave (Contract S-0158)	$54,898.50	
Canadian Highway from the junction with Port Alberni Highway to the east boundary of Alberni District, recap (Contract S-0158)	53,409.61	
		108,308.11
Total, Alberni District		$1,171,348.02

ATLIN DISTRICT (NORTH)

Day-labour (Project No. 947)—		
McDame Creek Road, general improvements	$16,000.00	
Atlin Highway, general improvements	6,000.00	
		$22,000.00
Maintenance of roads		87,794.05
Maintenance of bridges		2,500.00
Snow-removal		74,370.90
Surveys (mining-roads)—Cassiar–Stewart Road (Project No. 775)		101,770.78
Construction (mining-roads)—		
Cassiar–Stewart Road, Sawmill Point–Hotel Creek (Project No. 883)	$915,109.53	
Cassiar Road, Tanzilla River–Stikine River section (Project No. 966)	30,951.96	
		946,061.49
Total, Atlin District (North)		$1,234,497.22

ATLIN DISTRICT (SOUTH)

Day-labour (Project No. 967)—Cassiar–Stewart Road, grading	$221,703.45
Maintenance of roads	20,154.68
Maintenance of bridges	12,500.11
Maintenance and operation of ferries	212.20
Snow-removal	13,052.28
Total, Atlin District (South)	$267,622.72

BURNABY DISTRICT

Day-labour (Project No. 917)—Hastings–Barnet, completion of slide area		$14,866.05
Maintenance of roads		58,158.23
Snow-removal		8,177.48
Surveys (general)—Hastings–Barnet slide (Project No. 952)		15.75
Rights-of-way—Widening Lougheed Highway, Boundary Road to North Road (Project No. 954)		8,141.50
Construction—		
Trans-Canada Highway, Vancouver–Fraser River section (preliminary design, etc.), 6.98 miles (Project No. 885)*		107,877.18
Roads (general)—		
Widening and reconstruction of Lougheed Highway, Boundary Road to North Road (Project No. 790)	$751,782.83	
Channelization, traffic signals, and lighting (Project No. 894)	38,028.66	
		789,811.49
Surfacing—East Hastings Street Arterial (Contract S-0358)		139,041.58
Total, Burnaby District		$1,126,089.26

* Project No. 885 extends into several districts (*also see* Dewdney and Vancouver). Total project expenditure is $217,622.80.

CARIBOO DISTRICT (NORTH)

Day-labour (Project No. 944)—		
Barkerville, reconstruction	$55,199.77	
Blackwater, gravelling	11,417.69	
Nazko, gravelling	1,287.16	
Alexandria area, gravelling	814.50	
Dragon Lake area, gravelling	11,129.15	
Hixon area, gravelling	5,789.77	
Quesnel area, gravelling	1,376.48	
Soda Creek area, gravelling	2,984.71	
		$89,999.23
Bridge elimination (Project No. 957)—No. 5 Wingdam Bridge		4,470.00
Maintenance of roads		239,278.87
Maintenance of bridges		15,636.22
Maintenance and operation of ferries		23,245.43
Snow-removal		90,117.70
Local highways within municipal limits—First Street, West Quesnel, reconstruction		8,900.00
Surveys (general)—		
Dog Prairie–Quesnel (Project No. 952)	$478.25	
Cariboo Highway, Quesnel By-pass (Project No. 952)	962.40	
		1,440.65
Legal surveys—Quesnel–Dog Prairie (Project No. 953)		165.00
Rights-of-way—		
Cariboo Highway, Quesnel–Cottonwood River section (Project No. 954)	$42.50	
Cottonwood River–Strathnaver (Project No. 954)	541.50	
Cariboo Highway, Dog Prairie–Quesnel River (Project No. 954)	19,976.10	
		20,560.10
Construction—		
Bridges—		
Highway bridges, Cariboo Highway (P.G.E. Overpass and Ahbau Creek, Canyon Creek, Hixon Creek, and Stone Creek Bridges) (Project No. 198)	$49,857.13	
P.G.E. Underpasses, Cariboo Highway (Project No. 196)	123,970.80	
Cottonwood River (Project No. 213)	3,670.35	
Baker Creek Bridge (Project No. 202)	42.85	
		177,541.13
Roads—		
Cariboo Highway, Cottonwood River–Strathnaver (Project No. 754)	$975,305.53	
Cariboo Highway, Canyon Creek–Cale Creek (Project No. 755)*	249,484.12	
Cariboo Highway, Dog Prairie–Quesnel River section (Project No. 962)	401,323.35	
		1,626,113.00
Surfacing—Cariboo Highway, Cottonwood River–Strathnaver section (Contract S-6358)		2,584.11
Total, Cariboo District (North)		$2,300,051.44

* Project No. 755 also extends into Fort George District. Total project expenditure is $997,936.49.

CARIBOO DISTRICT (SOUTH)

Day-labour (Project No. 929)—	
Airport	$40.00
Alexis Creek–Nazko	229.84
Bear Creek	19.71
Beaver Lake–Beaver Mouth	686.29
Beaver Lake–Macalister	252.00
Beaver Valley	2,303.99
Big Creek	442.87
Big Creek–Robertson	114.70
Big Lake	29.88
Bluff Lake	1,066.80
Borland	305.46
Boyde–Farmer	40.33
Bradley Creek	493.52
Bridge Lake north	47.60
Brunsen Lake	8,251.99
Buffalo Lake–Horse Lake	724.08
Canim Lake	264.07

CARIBOO DISTRICT (SOUTH)—*Continued*

Day-labour—*Continued*		
Canim Lake–Mahood Lake	$140.79	
Cariboo	5,321.20	
Cedar Creek	14.92	
Chilco–Newton	45.25	
Chilcotin	26,058.78	
Christie	268.68	
Cotton	58.15	
Deka Lake–Canim Lake	170.49	
Dog Creek–Churn Creek	105.85	
Eagan Lake	488.26	
Eagle Creek	700.40	
Fawn	170.27	
Felker	107.46	
Greenlee	418.74	
Hanceville–Canoe Creek	61.54	
Horsefly	1,463.42	
Horsefly Lake	2,196.14	
Horsefly–Quesnel Lake	733.39	
Knife Creek	435.67	
Lac la Hache Station	19.91	
Lake	50.24	
Likely	8,787.22	
Little Timothy Mountain	314.45	
Lone Butte–Horse Lake	518.90	
Lone Butte–Watch Lake	65.59	
Meldrum Creek	607.25	
Mile 83–Green Lake	32.41	
Mile 93–Bridge Lake	1,568.96	
Mile 100–Roe Lake	611.93	
Mile 108–Horsefly	427.03	
Mission	36.48	
Paulspoint	74.93	
Peavine	453.37	
Pegeons	52.71	
Redstone–Chezacut	62.52	
Riske Creek–Gange Ranch	116.30	
Spokin Lake	30.57	
Springhouse–Frost Creek	691.74	
Taseko Lake	114.70	
Tatlayoko	2,721.67	
Tatton Station	27.98	
Upper Horsefly	552.25	
Wilcox	23.01	
Williams Lake Cut-off	1,168.61	
Williams Lake–57 Mile	1,318.23	
Williams Lake–170 Mile	249.84	
Witte	28.67	
		$75,000.00
Maintenance of roads		275,775.25
Maintenance of bridges		43,571.65
Snow-removal		119,637.53
Surveys (general)—Chilcotin Suspension and approaches (Project No. 952)		4,132.14
Total, Cariboo District (South)		$518,116.57

CHILLIWACK DISTRICT

Day-labour (Project No. 919)—Trans-Canada Highway, shouldering, Chilliwack to Bridal Falls		$10,000.00
Maintenance of roads		135,374.50
Maintenance of bridges		3,566.97
Maintenance and operation of ferries		443.81
Snow-removal		12,902.94
Local highways within municipal limits—		
Corporation of the District of Matsqui, reconstruction of King Road	$14,700.00	
Corporation of the District of Sumas, reconstruction of Boundary Road	8,000.00	
Corporation of the Township of Chilliwhack	1,000.00	
		23,700.00

CHILLIWACK DISTRICT—*Continued*

Surveys (Trans-Canada Highway)—		
Abbotsford–Vedder River, Mile 114 to Mile 124 (Project No. 950)	$1,076.23	
Pattullo Bridge–Abbotsford, Mile 81 to Mile 114 (Project No. 950)	64,098.69	
		$65,174.92
Legal surveys—		
Trans-Canada Highway, Chilliwack By-pass (Project No. 953)	$500.00	
Lot 4, N.E. ¼ Sec. 23, Tp. 13, New Westminster District (Project No. 953)	75.00	
Trans-Canada Highway, Vedder River–Chilliwack section (Project No. 953)	171.25	
		746.25
Rights-of-way—		
General—Widening Erho Road (district project) (Project No. 954)		172.00
Trans-Canada Highway—		
Twin Bridges–Lorenzetti, Mile 148.21 to Mile 154.00 (Project No. 951)	$518.00	
Vedder River–Chilliwack, Mile 124.72 to Mile 135.03 (Project No. 951)	19,598.98	
Chilliwack–Cheam Creek, Mile 135.03 to Mile 144.28 (Project No. 951)	22,242.00	
Mount Lehman–Delair, Fraser River–Abbotsford Highway, Mile 107.54 to Mile 113.60 (Project No. 951)	655,584.90	
Springbrooke–Mount Lehman, no mileage established (Project No. 951)	147,252.80	
		845,196.68
Construction—		
Bridges (Trans-Canada Highway)—Atchelitz Creek Bridge, Sardis Road Interchange, Chilliwack Creek Bridge, Chilliwack By-pass, and Anderson Creek Bridge (Project No. 277)		454,943.42
Roads (Trans-Canada Highway)—		
Cheam Creek–Twin Bridges, Mile 145.31 to Mile 147.06 (Project No. 750)	$11,850.03	
Twin Bridges–Lorenzetti Creek, Mile 148.21 to Mile 154.00 (Project No. 753)	242,433.46	
Vedder River–Chilliwack, Mile 124.72 to Mile 135.03 (Project No. 807)	345,087.68	
Chilliwack–Cheam Creek, Mile 135.03 to Mile 144.28 (Project No. 821)	1,217,043.71	
Mount Lehman–Delair, Mile 107.54 to Mile 113.60 (Project No. 910)	125,100.84	
		1,941,515.72
Surfacing—		
Trans-Canada Highway—		
Cheam Creek–Lorenzetti, base processing, Mile 145.31 to Mile 154.00 (Project No. 949)	$17,734.15	
Cheam Creek–Lorenzetti, Mile 145.31 to Mile 147.40 and Mile 148.21 to Mile 154.00 (Contract S-8258) (Project No. 949)	14,672.91	
Vedder River–Chilliwack, base processing, Mile 124.72 to Mile 135.03 (Project No. 949)	62,365.71	
Cheam Creek–Twin Bridges, Mile 145.31 to Mile 147.40 (Contract S-8258) (Project No. 949)	15,719.85	
Twin Bridges–Lorenzetti Creek, Mile 148.21 to Mile 154.00 (Contract S-8258) (Project No. 949)	148,485.44	
Mile 0.5–Vedder Crossing, Mile 124.72 to Mile 124.79 (Contract S-8258) (Project No. 949)	4,964.90	
		263,942.96
General—Columbia Valley Road, 5 miles (Contract S-0458)		65,220.06
Total, Chilliwack District		$3,822,900.23

COLUMBIA DISTRICT

Day-labour (Project No. 958)—Trans-Canada Highway, Glacier Park–Donald section, Mile 641.94 to Mile 654.79		$114,754.66
Day-labour (Project No. 938), general—		
Trans-Canada Highway, Big Bend section, general improvements, dust-control	$20,000.00	
Kootenay–Columbia Highway, reconstruct 3.2 miles	95,000.00	
		115,000.00

COLUMBIA DISTRICT—*Continued*

Maintenance of roads		$191,339.48
Maintenance of bridges		34,554.39
Snow-removal		78,830.47
Surveys—		
Trans-Canada Highway, Golden–Yoho Park boundary, Mile 677.82 to Mile 685.05 (Project No. 950)		2,448.51
General—Windermere–Ta Ta Junction (Project No. 952)		111.58
Rights-of-way—		
General—Kootenay–Columbia Highway, Sinclair Canyon–Radium junction (Project No. 954)		1,157.00
Trans-Canada Highway, Golden–Donald section, Mile 654.79 to Mile 668.67 (Project No. 951)		3,451.00
Construction—		
Bridges (Trans-Canada Highway)—		
Park and Mount Hunter Bridges (Project No. 113)	$20,544.28	
Yoho Bridge (Project No. 143)	582.53	
Blaeberry River Bridge (Project No. 291)	70,756.82	
		91,883.63
Roads (Trans-Canada Highway)—		
Golden–Yoho section, Mile 668.67 to Mile 677.64 (Project No. 398)	$61,652.95	
Golden–Donald section, Mile 654.79 to Mile 668.67 (Project No. 879)	1,149,844.88	
Glacier Park–Donald, section 2 (Rogers Pass), Mile 642.16 to Mile 654.79 (Project No. 958)	296,433.91	
Glacier Park–Donald, section 1, Mile 633.74 to Mile 642.01 (Project No. 961)	226,604.05	
		1,734,535.79
Surfacing—		
Trans-Canada Highway, Golden east to Yoho Park Bridge west, base processing, Mile 668.67 to Mile 677.64 (Project No. 949)		24,567.51
General—Kootenay–Columbia Highway, Golden south, base processing		61,454.48
Total, Columbia District		$2,454,088.50

COMOX DISTRICT

Day-labour (Project No. 916)—		
Sundry roads, reconstruct and road-mix pave 10.8 miles—		
Dove Creek Road	$7,914.53	
Eardley Road	6,905.68	
Fraser Road	17,516.63	
Grafton Avenue	7,520.91	
Hammond Bay Road	7,438.25	
Little River Road	13,568.78	
Minto Road	98.67	
Northwest Bay Road	5,375.85	
Rennison Road	10,704.42	
Tsolum River Road	3,764.12	
Texada Road	5,095.31	
Sundry roads, seal-coat 6 miles—		
Condensery Road	547.39	
Errington Road	762.91	
Headquarters Road	654.00	
Kilmorley Road	694.04	
Third Street	272.48	
Wellington streets	343.08	
Sayward Road, reconstruct 0.5 mile	2,335.54	
Malcolm Island roads, general improvements, 1 mile	3,565.54	
Seaford Road, Cortes Island, construct revision, 0.5 mile	921.87	
		$96,000.00
Bridge elimination (Project No. 957)—		
Little River Bridge	$2,831.56	
Quatse River Bridge	17,500.00	
		20,331.56
Maintenance of roads		360,299.03
Maintenance of bridges		59,600.00
Maintenance and operation of ferries		55,128.95
Snow-removal		39,567.12
Local highways within municipal limits—Reconstruction of Alert Bay Road		2,700.00

COMOX DISTRICT—*Continued*

Surveys (general)—Island Highway, Campbell River–Port Hardy (Project No. 952)		$8,251.73
Legal surveys—Campbell River water-front (Project No. 953)		267.00
Rights-of-way—		
Extension of Eardley Road (Project No. 954)	$1.00	
Wellington–Lantzville (Project No. 954)	465.00	
		466.00
Surfacing—Canadian Highway from the west boundary of Comox District eastwards to the foot of Seven Mile Hill, recap (Contract S-0158)		34,708.29
Total, Comox District		$677,319.68

COWICHAN-NEWCASTLE DISTRICT

Day-labour (Project No. 913)—		
Sundry roads, minor improvements and road-mix pave	$19,175.06	
Sundry roads, seal-coat	9,459.03	
Quennell Road, reconstruct	991.33	
Brenton–Page, widen in rock	5,000.00	
		$34,625.42
Day-labour (Project No. 261), bridges—Riverside Drive Underpass		40.413.65
Maintenance of roads		191,278.63
Maintenance of bridges		25,586.62
Snow-removal		18,327.19
Surveys (general)—Cowichan Lake revision (Project No. 952)		15,994.65
Legal surveys (Project No. 953)—		
Approach to Lake Cowichan Bridge	$78.05	
Trans-Canada Highway, Koksilah Junction to approximately Station 157	2,529.60	
Chase River–Oyster Bay	12,820.00	
Nanaimo–Ladysmith, Cedar Road–Oyster Road	5,100.18	
		20,527.83
Rights-of-way (Trans-Canada Highway) (Project No. 951)—		
Bush Creek–Diamond Overhead Crossing, Mile 54.61 to Mile 56.23	$196.00	
Ladysmith section, Mile 52.31 to Mile 54.66	157.15	
Cowichan Bay Road–Koksilah, Mile 29.18 to Mile 35.23	135.60	
		488.75
Construction—		
Bridges (Trans-Canada Highway)—		
Koksilah Bridge (Project No. 249)	$54,326.22	
Nanaimo River Bridge (Project No. 156)	13,058.38	
		67,384.60
Ferry-landings—Chemainus and Thetis Island ferry-landings (Project No. 289)*		81,466.19
Total, Cowichan-Newcastle District		$496,093.53

CRANBROOK DISTRICT

Day-labour (Project No. 934)—		
Southern Trans-Provincial Highway, Rampart, reconstruction, 3 miles	$42,959.82	
Kootenay–Columbia Highway, Springbrook Bridge approaches, reconstruction, 2.2 miles	46,040.18	
		$89,000.00
Maintenance of roads		164,346.96
Maintenance of bridges		18,979.43
Snow-removal		67,358.80
Surveys (general)—Cranbrook Overhead–Fort Steele Junction (Project No. 952)		214.78
Legal surveys—		
Southern Trans-Provincial Highway, Yahk–Kingsgate, 8.2 miles (Project No. 953)	$3,945.68	
Highway through Moyie Village (Project No. 953)	1,477.57	
		5,423.25
Construction, bridges—		
Curzon Overhead (Project No. 222)	$2,047.17	
Springbrook Bridge (Project No. 187) (Credit)	*2,860.19*	
Irishman Creek (Project No. 258)	1,006.63	
		193.61

* Part of expenditure of Project No. 289 as shown above was in Nanaimo-Islands District, but no breakdown is available.

CRANBROOK DISTRICT—*Continued*

Surfacing—		
Springbrook Bridge approaches, base processing	$6,000.00	
Southern Trans-Provincial Highway, Lot 2798, Group 1, to Moyie, 7.65 miles (Contract S-4258)	127,004.28	
Southern Trans-Provincial Highway, Irishman Creek–Aldridge (Contract S-4258)	156,884.78	
Southern Trans-Provincial Highway, Curzon Junction–Goatfell (Contract S-4258)	62,986.10	
		$352,875.16
Total, Cranbrook District		$698,391.99

DELTA DISTRICT

Day-labour (Project No. 920)—		
Trans-Canada Highway, Wander Inn diversion	$25,967.45	
Pacific Highway, reconstruction, Bose to Trans-Canada Highway	28,968.18	
		$54,935.63
Maintenance of roads		207,744.51
Maintenance of bridges		186,034.67
Maintenance and operation of ferries		188,808.36
Snow-removal		17,191.67
Local highways within municipal limits—		
Corporation of the Township of Langley, reconstruction of sundry roads	$6,800.00	
Corporation of the Township of Richmond, reconstruction of Westminster Road	15,676.81	
Corporation of the District of Surrey, sundry roads (Townline, Archibald, Sandell, and Grosvenor)	20,000.00	
City of Langley, reconstruction of sundry roads	9,300.00	
		51,776.81
Surveys (general)—Peace Arch Highway, Deas Island approaches and Oak Street Bridge site, Vancouver to International Boundary at Peace Arch (Project No. 952)		14,840.17
Legal surveys—South Oak Street Bridge approaches (Project No. 953)		4,117.58
Rights-of-way—		
General—		
Vancouver–Blaine Highway, southern approaches to Oak Street Bridge (Project No. 954) (Credit)	*$900.00*	
Vancouver–Blaine Highway, Vaisey Road–Ladner Road connection, south of Deas Island Tunnel (Project No. 954)	283,331.55	
		282,431.55
Trans-Canada Highway—		
Springbrooke–Mount Lehman, no mileage established (Project No. 951)	$220,879.20	
Port Mann–Carvolth, no mileage established (Project No. 951)	13,240.00	
Fraser River crossing, Port Mann Bridge, Mile 82.18 (Project No 951)	16,260.00	
		250,379.20
Construction—		
Bridges—		
Trans-Canada Highway, Port Mann Bridge (Project No. 267)*		587,133.97
General—		
Ladner Underpass, Vancouver–Blaine Highway (Project No. 294)	$42,659.55	
Seven bridges, Fraser Valley (Project No. 204)†	47,641.74	
		90,301.29
Roads—		
Deas Tunnel south to intersection of Ladner Trunk Highway (Project No. 963)	$1,184,503.30	
Paving Contract S-0259 *re* Deas Tunnel south (Project No. 963)	85,872.09	
		1,270,375.39
Total, Delta District		$3,206,070.80

* Part of the expenditure of Project No. 267 as shown above was in Dewdney District, but no breakdown is available.

† Part of the expenditure of Project No. 204 as shown above was in Dewdney District, but no breakdown is available.

DEWDNEY DISTRICT

Day-labour—		
Project No. 918—		
Lougheed Highway, Agassiz west	$62,151.36	
Lougheed Highway, Caignou fill	7,702.29	
Lougheed Highway, No. 9 Road widening	1,820.20	
Lougheed Highway, Agassiz Experimental Farm fencing	2,728.77	
Dewdney Bridge approaches	7,601.10	
Deroche Bridge approaches	6,985.11	
Project No. 798—Pitt Polder roads	37,327.50	
		$126,316.33
Bridge elimination (Project No. 957)—		
Tremblay Bridge	$2,149.50	
Bell Bridge	1,318.50	
		3,468.00
Maintenance of roads		358,784.85
Maintenance of bridges		65,621.36
Maintenance and operation of ferries		95,588.67
Snow-removal		29,711.42
Local highways within municipal limits—Road between Red Bridge and Fremont Road in the City of Port Coquitlam		9,759.90
Legal surveys——Lougheed Highway, Stave River to District Lots 438 and 445, Group 1, New Westminster District (Project No. 953)		525.85
Rights-of-way—		
General—Lougheed Highway approach and Pitt River Bridge (Project No. 954)		300.00
Trans-Canada Highway—		
Vancouver–Fraser River, Section 1, Mile 81.91 to Mile 82.18 (Project No. 951)	$69,804.00	
Vancouver–Fraser River, Section 2, Mile 79.66 to Mile 81.91 (Project No. 951)	303,521.54	
Vancouver–Fraser River (part), Section 3, no mileage established (Project No. 951)	61,160.00	
		434,485.54
Construction—		
Roads, Trans-Canada Highway, Vancouver–Fraser River section, (Project No. 885)—*	3.49 miles	
Preliminary design, etc.	$49,443.71	
Contract No. 1	23,318.38	
Contract No. 2, engineering	10,014.23	
		82,776.32
Bridges (general)—		
Pitt River (Project No. 171)	$8,237.54	
Mission (C.P.R. Bridge) (Project No. 206)	15,402.86	
		23,640.40
Total, Dewdney District		$1,230,978.64

ESQUIMALT DISTRICT

Day-labour (Project No. 911)—		
West Coast Road, general improvements, 20 miles	$15,245.94	
Sundry roads, minor improvements and road mix, 5 miles	36,715.69	
Sundry roads, seal-coat, 5 miles	2,949.97	
		$54,911.60
Maintenance of roads		194,280.32
Maintenance of bridges		18,295.42
Snow-removal		16,439.40
Surveys (general)—		
Port Renfrew Division (Project No. 952)	$935.10	
Shawnigan Lake–Port Renfrew (Project No. 952)	4,135.08	
		5,070.18
Legal surveys—		
Esquimalt District property, Plan 748, etc. (Project No. 953)	$97.50	
Trans-Canada Highway, Malahat Chalet–Mill Bay (Project No. 953)	5,149.18	
		5,246.68
Rights-of-way (Trans-Canada Highway)—		
Victoria–Burnside Road, Mile 0 to Mile 3.98 (Project No. 951)	$402.50	
Arbutus Creek–Malahat Chalet section, Mile 11.40 to Mile 15.21 (Project No. 951)	783.00	
		1,185.50

* Project No. 885 extends into several districts (*also see* Burnaby and Vancouver). Total project expenditure is $217,622.80.

ESQUIMALT DISTRICT—*Continued*

Construction (Trans-Canada Highway)—Malahat Chalet–Mill Bay, Mile 15.21 to Mile 23.98 (Project No. 687)		$5,806.95
Surfacing—		
Malahat Chalet–Mill Bay, base processing, Mile 15.21 to Mile 23.98 (Project No. 949)	$30,630.27	
Malahat Chalet–Mill Bay (Contract S-8158), Mile 15.21 to Mile 23.98 (Project No. 949)	213,027.74	
		243,658.01
Total, Esquimalt District		$544,894.06

FERNIE DISTRICT

Day-labour (Project No. 935)—Kootenay–Columbia Highway, general improvement, 2 miles		$30,000.00
Day-labour (Project No. 292), bridges—Elk River Bridge, Elko–Roosville Highway		20,025.66
Maintenance of roads		204,878.04
Maintenance of bridges		14,887.04
Snow-removal		54,300.47
Legal surveys—Indian Reserve No. 2 and Customs House, Roosville (Project No. 953)		307.38
Rights-of-way—Elko–Roosville Highway (Project No. 954)		780.00
Construction, roads—Elko–Roosville Highway, Elko–Roosville section (Project No. 788)		435,855.85
Surfacing—Elko–Roosville Highway, base processing		89,100.68
Total, Fernie District		$850,136.07

FORT GEORGE DISTRICT

Day-labour (Project No. 943)—		
John Hart Highway, reconstruction and gravelling, Mile 37 to Mile 42	$32,816.46	
Northern Trans-Provincial Highway, McBride east, reconstruction and gravelling	38,071.00	
Shelley south, reconstruction, Mile 4 to Mile 8	15,663.16	
Dome Creek–Kidd Road, ditch and gravel, Mile 1 to Mile 5	3,449.38	
		$90,000.00
Bridge elimination (Project No. 957)—Hudson's Bay Bridge, replacement		4,000.00
Maintenance of roads		413,459.58
Maintenance of bridges		30,413.08
Maintenance and operation of ferries		10,160.60
Snow-removal		139,035.11
Surveys (general)—		
Kamloops–Yellowhead (Project No. 952)	$1,103.80	
Northern Trans-Provincial Highway, Prince George–McBride (Project No. 952)	96,017.87	
Sweden Creek–Omineca Boundary (Project No. 952)	9,496.30	
		106,617.97
Rights-of-way—Cariboo Highway, Canyon Creek–Cale Creek, revision at Cale Creek, extension of Project No. 755 (Project No. 954)		583.25
Construction—		
Bridges—		
Nechako River (Project No. 211)	$66,476.03	
P.G.E. Overpasses, Cariboo section (Project No. 221)	18,149.51	
Willow River (Project No. 265)	3,068.00	
		87,693.54
Roads—		
Northern Trans-Provincial Highway, Blackwater Road–Sweden Creek section (Project No. 778)	$381,832.21	
Northern Trans-Provincial Highway, Lamming Mills west (Project No. 779)	540,728.75	
Northern Trans-Provincial Highway, Tabor Lake–Willow River (Project No. 893)	294,466.61	
Cariboo Highway, Canyon Creek–Cale Creek (Project No. 755)*	748,452.37	
		1,965,479.94

* Project No. 755 also extends into North Cariboo District Total project expenditure is $997,936.49.

FORT GEORGE DISTRICT—*Continued*

Surfacing—		
John Hart Highway, Mile 32 northward, base processing	$59,717.95	
Victoria Street, Prince George, between Eleventh Avenue and Seventeenth Avenue, strengthen and pave 1,200 feet (Contract S-6158)	8,118.14	
First Avenue, Prince George, between Ottawa Street and Hamilton Street, storm-drainage, 1,550 feet (Contract S-6158)	14,546.45	
First Avenue, Prince George, between Victoria Street and Ottawa Street, storm-drainage and paving, 3,100 feet (Contract S-6158)	66,351.29	
		$148,733.83
Total, Fort George District		$2,996,176.90

GRAND FORKS-GREENWOOD DISTRICT

Day-labour (Project No. 936)—Sundry reconstruction, 3 miles on Rock Creek–McCulloch Road		$54,353.54
Maintenance of roads		223,749.88
Maintenance of bridges		14,029.65
Snow-removal		93,030.80
Surveys (general)—		
Boundary Falls–Grand Forks (Project No. 952)	$85.25	
Christina Lake–Kinnaird (Project No. 952)	2,615.09	
		2,700.34
Rights-of-way—		
Approach to Yale Bridge (Project No. 954)	$583.00	
Southern Trans-Provincial Highway, Christina Creek–Sheep Lake, Section 2 (Project No. 954)	192.64	
		775.64
Construction, roads—		
Christina Creek–Sheep Lake, Section 2 (Project No. 777)	$390,202.03	
Christina Creek–Sheep Lake, Section 3 (Project No. 970)	82,480.51	
		472,682.54
Surfacing—		
Rock Creek–McCulloch Road, base processing	$15,295.08	
Southern Trans-Provincial Highway, north of Nine Mile Creek (13.7 miles east of Osoyoos) to Jolly Jack Creek (east of Midway) (Contract S-4158)	105,984.47	
		121,279.55
Total, Grand Forks-Greenwood District		$982,601.94

KAMLOOPS DISTRICT

Day-labour (Project No. 838)—		
North Thompson Highway, Fishtrap–Barriere (Project No. 933)	$306,541.45	
Heffley–Louis Creek, general improvement	5,951.35	
Highland Valley	35.13	
North Thompson Highway (Yellowhead route), Little Fort south to Mile 40–50	75,523.60	
North Thompson Highway, Raft River–Vavenby	140,639.39	
Paul Lake	21,475.02	
Tranquille–Criss Creek	375.25	
		$550,541.19
Maintenance of roads		456,597.42
Classified highways—		
Third Avenue and Victoria Street	$1,273.48	
Lorne Street to First Avenue	367.76	
		1,641.24
Maintenance of bridges		58,602.01
Maintenance and operation of ferries		19,850.00
Snow-removal		178,853.37

KAMLOOPS DISTRICT—*Continued*

Surveys—		
Trans-Canada Highway, Campbell Creek Overhead, Mile 355.07 (Project No. 950)		$3,962.68
General—		
North Thompson Highway, Blue River–Red Pass Junction (Project No. 952)	$84,895.58	
Northern Trans-Provincial Highway, North Kamloops By-pass (Project No. 952)	396.20	
Survey of south approach to North Kamloops Bridge (Project No. 952)	387.67	
		85,679.45
Legal surveys—		
Trans-Canada Highway, survey through Stequmwhulpa Indian Reserve No. 5 and Chum Creek Indian Reserve No. 2 (Project No. 953)	$2,174.55	
Louis Creek (Project No. 953)	55.00	
Trans-Canada Highway through Mauvais-Rocher Indian Reserve No. 5 (Project No. 953)	467.10	
North Thompson Highway, Raft River section (Project No. 953)	1,737.95	
		4,434.60
Rights-of-way—		
General—		
North Thompson Highway, Blackpool–Clearwater, Vavenby–Clearwater relocation) (Project No. 954)	$6,509.21	
North Thompson Highway, Mile 17 to Mile 31 (Project No. 954)	1,879.10	
North Kamloops By-pass (Project No. 954)	114,250.63	
South Thompson River crossing (Project No. 954)	15,000.00	
Northern Trans-Provincial Highway, North Kamloops Bridge (Project No. 954)	68,855.00	
North Thompson Highway, Heffley Canyon section (Project No. 954)	670.00	
Fishtrap Canyon–Barriere (Project No. 954)	4,495.80	
		211,659.74
Trans-Canada Highway—		
Cache Creek–Lemonade Flats, Mile 291.83 to Mile 310.08 (Project No. 951)	$79.75	
Martel–Ashcroft Manor section, Mile 275.44 to Mile 285.31 (Project No. 951)	21.25	
Kamloops by-pass, no mileage established (Project No. 951)	10.81	
		111.81
Construction, bridges—		
Trans-Canada Highway—		
Thompson River Bridge at Savona (Project No. 260)	$14,578.87	
C.N.R. Overhead at Savona (Project No. 259) (Credit)	*2,442.01*	
		12,136.86
General—		
Barriere River (Project No. 268)	$49,751.03	
Kamloops Bridge (Project No. 262)	15,915.18	
		65,666.21
Construction, roads—Trans-Canada Highway, Cache Creek–Lemonade Flats, Mile 291.83 to Mile 310.08 (Project No. 648)		12,030.35
Surfacing—		
Lorne Street, Kamloops, from Bridge Street to Eighth Avenue (Contract S-2358)	$20,012.58	
Eighth Avenue, Kamloops, from Columbia Street to Victoria Street (Contract S-2358)	58,847.71	
		78,860.29
Total, Kamloops District		$1,740,627.22

KASLO-SLOCAN DISTRICT

Day-labour (Project No. 940)—		
Nelson–Kaslo Highway, reconstruction 9 miles south of Kaslo, Woodbury Creek section	$54,000.00	
Nelson–Kaslo Highway, reconstruction, Coffee Creek area	20,000.00	
Slocan–Arrow Lakes Highway, reconstruction, Cape Horn area	50,000.00	
		$124,000.00
Bridge elimination (Project No. 957)—Slocan–Arrow Lakes Highway, elimination of Boulder Creek Bridge, No. 282		44,922.07

KASLO-SLOCAN DISTRICT—*Continued*

Maintenance of roads		$248,271.32
Maintenance of bridges		32,435.01
Maintenance and operation of ferries		58,637.30
Snow-removal		108,311.81
Surfacing—		
Nelson–Kaslo Highway, Woodbury Creek section, base processing	$3,247.30	
Nelson–Kaslo Highway, Kaslo section to Coffee Creek, base processing	15,786.90	
		19,034.20
Total, Kaslo-Slocan District		$635,611.71

LILLOOET DISTRICT

Day-labour—		
Project No. 928—		
Area F	$132.93	
Lytton–Lillooet	64,549.12	
Squamish–Horseshoe Bay	5,113.91	
Squamish Valley	5,054.04	
Sundry roads	150.00	
		$75,000.00
Project No. 965—Britannia–Squamish Highway		49,490.03
Bridge elimination (Project No. 957)—		
Atwood	$3,201.43	
Carson	61.42	
Dry	681.24	
Fountain No. 1	287.12	
		4,231.21
Maintenance of roads		247,975.06
Maintenance of bridges		30,463.80
Maintenance and operation of ferries		12,078.44
Snow-removal		90,991.29
Local highways within municipal limits—Road from Cleveland Avenue to Squamish General Hospital, Village of Squamish		6,500.00
Surveys (general)—Bridge River survey (Project No. 952)		11,208.84
Construction, roads—Horseshoe Bay–Squamish Highway, Britannia section (common) (Project No. 691)		36,594.50
Surfacing—		
Cariboo Highway, Cache Creek–Clinton (Contract S-2258)	$87,362.12	
Spences Bridge–Martel (Contract S-2258)	51,756.99	
Ashcroft Manor–Cache Creek (Contract S-2258)	37,764.37	
Horseshoe Bay–Squamish Highway, Horseshoe Bay–Britannia Beach section, road-mix pave bridges (Contract S-0558)	32,288.34	
		209,171.82
Total, Lillooet District		$773,704.99

MACKENZIE DISTRICT

Day-labour (Project No. 964)—		
Sunshine Coast Highway, Gibsons–Powell River	$13,181.65	
Bella Coola Road, reconstruction, Mile 2 to Mile 5	27,051.94	
Garden Bay Road, widen and gravel	15,975.67	
Roberts Creek Road, widen and gravel	16,390.06	
Red Roofs Road, reconstruct steep hill	4,260.30	
Egmont Road, ditching and gravelling	3,589.48	
		$80,449.10
Maintenance of roads		247,774.67
Maintenance of bridges		14,483.21
Maintenance and operation of ferries		50,553.77
Snow-removal		23,934.77
Local highways within municipal limits—District of Powell River, reconstruct Westview Road		16,600.00
Construction, bridges—Mission Creek No. 2 (Project No. 239)		16,047.79
Total, Mackenzie District		$449,843.31

NANAIMO-ISLANDS DISTRICT

Day-labour (Project No. 914)—		
Sundry roads, reconstruct and road-mix pave	$18,500.00	
Old Victoria and Willgress Roads, reconstruct and pave	5,500.00	
Sundry roads, seal-coating	4,581.22	
Fulford–Ganges, reseal	6,376.93	
		$34,958.15
Maintenance of roads		168,151.06
Maintenance of bridges		2,450.95
Maintenance and operation of ferries		114,739.03
Snow-removal		10,465.43
Rights-of-way, Trans-Canada Highway—		
Ladysmith–Nanaimo, Section 2, Mile 57.43 to Mile 62.28 (Project No. 951)	$96.00	
Nanaimo Interchange, Mile 67.35 (Project No. 951)	36,205.60	
		36,301.60
Surfacing—Arterial Highway No. 131R in Nanaimo from Trans-Canada Highway to Comox Road, curb and gutter (Section 67)		9.93
Construction, Ferries—Thetis Island Ferry (Project No. 278)		69,967.73
Total, Nanaimo-Islands District		$437,043.88

NELSON-CRESTON DISTRICT

Day-labour (Project No. 939)—		
Nelson–Kaslo Highway, Coffee Creek section, reconstruct and gravel	$68,465.59	
Creston orchard roads, ditching, widening, and gravelling	36,394.55	
Riondel streets, gravel and road-mix pave, 1.5 miles	13,579.79	
Columbia River Road, gravel and road-mix pave, 2.5 miles	12,450.24	
Harrop–Procter, relocate railway spur	12,109.83	
		$143,000.00
Maintenance of roads		309,598.03
Maintenance of bridges		39,299.88
Maintenance and operation of ferries		288,732.27
Snow-removal		154,723.13
Surveys (general)—		
Canyon Bridge site survey, Creston (Project No. 952)	$16.01	
Hall Creek–Salmo (Project No. 952)	21,952.93	
Summit Creek–Topaz, Salmo–Creston Highway (Project No. 952)	125.84	
		22,094.78
Rights-of-way—		
Southern Trans-Provincial Highway, Canyon Street, widening in Creston (Project No. 954)	$9,810.23	
Creston–Summit Creek (Project No. 954)	1,513.52	
Southern Trans-Provincial Highway, South Slocan section (Project No. 954)	228.75	
		11,552.50
Construction—		
Bridges—		
Sanca Creek (Project No. 217)	$30,740.91	
Old Kootenay Channel (Project No. 238)	175,372.18	
Kootenay River Bridge (Project No. 253)	27,000.00	
Summit Creek Bridge (Project No. 254)	8,317.54	
		241,430.63
Roads—		
Creston–Salmo Highway, Creston–Summit Creek (Project No. 756)	$298,974.50	
Southern Trans-Provincial Highway, Salmo–Creston Cut-off No. 3A, Summit Lake to junction of Highway No. 6, Section 1 (Project No. 870)	119,603.98	
Southern Trans-Provincial Highway, South Slocan reconstruction (Project No. 898)	28,281.07	
		446,859.55
Surfacing—		
Westbridge district, base processing	$359.73	
Nelson section, base processing	14,029.56	
		14,389.29
Total, Nelson-Creston District		$1,671,680.06

NEW WESTMINSTER DISTRICT

Maintenance of buildings and grounds		$3,000.00
Snow-removal		287.80
Rights-of-way, general (Project No. 954)		19,265.65
Total, New Westminster District		$22,553.45

NORTH VANCOUVER DISTRICT

Maintenance of roads		$63,795.09
Maintenance of bridges		8,610.22
Snow-removal		8,491.23
Surveys—Trans-Canada Highway, Horseshoe Bay–Second Narrows, Mile 54.68 to Mile 68.33 (Project No. 950)		33,729.89
Legal surveys—		
Capilano Indian Reserve No. 5, First Narrows (Project No. 953)	$1,277.65	
Seymour Indian Reserve No. 2, Second Narrows (Project No. 953)	2,302.00	
Marine Drive, North Vancouver (Project No. 953)	170.00	
		3,749.65
Rights-of-way—		
General—		
Marine Drive, West Vancouver, Capilano Road to Thirteenth Street (Project No. 954)	$4,100.00	
Taylor Way reconstruction between Provincial Highway and Trans-Canada Highway (Project No. 954)	1,500.00	
Horseshoe Bay–Squamish, Section 1 (Project No. 954)	1,889.90	
Horseshoe Bay–Squamish, Alberta Bay–Porteau section (Project No. 954)	3,041.10	
		10,531.00
Trans-Canada Highway—		
Upper Levels Highway, Horseshoe Bay–Lions Gate Bridge, Lot 558 to Taylor Way, Mile 58.80 to Mile 62.58 (Project No. 951)	$29,135.62	
Upper Levels Highway, Taylor Way–Second Narrows Bridge, Twenty-fifth Street project, Mile 62.58 to Mile 68.33 (Project No. 951)	1,294,168.24	
		1,323,303.86
Construction—		
Bridges—		
Trans-Canada Highway, Capilano Bridge (Project No. 280)		20,969.89
General—		
Bridges L, M, N, and P, Squamish Highway (Project No. 237)	$8,789.61	
Harvey Creek (Project No. 274)	18,002.02	
Lone Tree Creek (Project No. 279)	19,972.49	
Squamish Highway (Project No. 282)	17,624.56	
		64,388.68
Roads—		
Trans-Canada Highway—		
Upper Levels Highway, Horseshoe Bay–Lions Gate Bridge, Lot 558 to Taylor Way, Mile 58.80 to Mile 62.58 (Project No. 657)	$3,037.15	
Upper Levels Highway, Taylor Way–Second Narrows Bridge, Mile 62.58 to Mile 68.33 (Project No. 968)	83,223.93	
		86,261.08
General—		
Horseshoe Bay–Squamish Highway, Section 1 (Project No. 552)	$451,621.73	
Horseshoe Bay–Squamish Highway, Alberta Bay–Porteau section (Project No. 644)	1,326,952.06	
Marine Drive and Taylor Way, West Vancouver (Project No. 895)	89,905.14	
		1,868,478.93
Surfacing (general)—Horseshoe Bay–Squamish Highway, Horseshoe Bay–Britannia Beach section, road-mix pave bridges (Contract S-0558)		96,865.04
Total, North Vancouver District		$3,589,174.56

NORTH OKANAGAN DISTRICT

Day-labour (Project No. 939)—		
Baker–Hogg, reconstruct 0.5 mile	$668.99	
Deep Creek, reconstruct 0.5 mile	2,102.66	
Grindrod–Sicamous Highway No. 23, reconstruct 0.5 mile	4,666.56	
Trask, reconstruct and road-mix pave 0.9 mile	1,838.06	
Vernon–Slocan Highway No. 6, reconstruct 3 miles	16,762.14	
Westside, reconstruct over 5 miles	25,083.08	
		$51,121.49
Bridge elimination (Project No. 957)—		
Browne	$3,703.61	
Cooke	10,919.44	
Tyrer	11,738.33	
		26,361.38
Maintenance of roads		218,245.35
Maintenance of bridges		18,508.88
Snow-removal		85,993.90
Local highways within municipal limits—		
Aberdeen Road and Westside, Coldstream Municipality	$8,100.00	
Armstrong–Grandview Flats, Spallumcheen Municipality	6,800.00	
		14,900.00
Surveys (General)—Vernon By-pass (Project No. 952)		52.50
Rights-of-way—Grindrod Bridge approach (Project No. 954)		5,160.00
Construction, bridges—Grindrod (Project No. 270)		64,973.87
Total, North Okanagan District		$485,317.37

OMINECA DISTRICT (EAST)

Day-labour (Project No. 942)—		
Northern Trans-Provincial Highway, Vanderhoof west, gravel prior to paving Mile 33 to Mile 44	$31,865.89	
Northern Trans-Provincial Highway, Vanderhoof west, reconstruct Mile 26.0 to Mile 27.5, Fort Fraser Overhead	91,152.01	
Northern Trans-Provincial Highway, Vanderhoof east, Cluculz Lake section, gravel 6 miles	27,512.79	
Northern Trans-Provincial Highway, Endako west, reconstruct 6 miles	100,460.53	
		$250,991.22
Bridge elimination (Project No. 957)—		
Hogback Bridge, No. 124	$3,500.00	
Prairiedale Bridge, No. 107	3,500.00	
		7,000.00
Maintenance of roads		176,938.68
Maintenance of bridges		14,999.07
Snow-removal		43,538.13
Rights-of-way—Northern Trans-Provincial Highway near Vanderhoof (Project No. 954)		500.00
Construction, bridges—Engen Overhead (Project No. 220)		534.23
Surfacing—Endako easterly, base processing		55,535.30
Total, Omineca District (East)		$550,036.63

OMINECA DISTRICT (WEST)

Day-labour (Project No. 941)—		
Northern Trans-Provincial Highway, Quick east, gravelling 4 miles	$26,000.00	
Topley–Babine, gravelling 28 miles	9,464.34	
Francois Lake Road, reconstructing 1 mile	15,535.66	
		$51,000.00
Bridge elimination (Project No. 957)—Round Lake, culvert purchase only		2,500.00
Maintenance of roads		217,322.03
Maintenance of bridges		23,500.00

OMINECA DISTRICT (WEST)—*Continued*

Maintenance and operation of ferries	$61,486.62
Snow-removal	68,030.78
Surveys (General)—Perow–Houston (Project No. 952)	811.55
Legal surveys—Northern Trans-Provincial Highway, Burns Lake westerly 10 miles and Houston westerly 3 miles (Project No. 953)	4,464.41
Rights-of-way—Northern Trans-Provincial Highway, Burns Lake–Tintagel (Project No. 954)	166.50
Construction, roads—Northern Trans-Provincial Highway, Burns Lake–Tintagel (Project No. 882)	824,751.72
Surfacing—Northern Trans-Provincial Highway, 2 miles west of Rose Lake (Contract S-5761)	384.00
Total, Omineca District (West)	$1,254,417.61

PEACE RIVER NORTH DISTRICT

Day-labour (Project No. 946)—		
Cecil Lake–Alberta Boundary, gravelling	$30,000.00	
Two Rivers, reconstruction and gravelling	40,000.00	
		$70,000.00
Maintenance of roads		214,457.28
Maintenance of bridges		38,000.00
Maintenance and operation of ferries		2,470.00
Snow-removal		84,074.13
Construction—		
Bridges—Beatton River Bridge (Project No. 208)		1,525.15
Ferries—Hudson Hope Ferry (Project No. 293)*		4,932.23
Total, Peace River North District		$415,458.79

* Project No. 293 includes Peace River South.

PEACE RIVER SOUTH DISTRICT

Day-labour (Project No. 945)—		
Alberta Boundary–Dawson Creek, regravelling	$893.10	
Bessborough–Farmington, reconstruction and gravelling	5,519.26	
Farm and settlement, gravelling	1,177.32	
Farm and settlement, gravelling	2,319.89	
Farm and settlement, gravelling	1,829.86	
Farm and settlement, reconstruction and gravelling	32,011.16	
Farm and settlement, gravelling	3,828.48	
Farm and settlement, gravelling	3,312.33	
Farmington–Alberta Boundary, gravelling	2,395.82	
Hanshaw, gravelling	870.07	
Kelly Lake, reconstruction	2,741.88	
Pouce Coupe–Clayhurst Ferry, reconstruction and gravelling	2,634.01	
Sunset Prairie, reconstruction and gravelling	4,690.46	
Willow Valley, reconstruction and gravelling	10,027.27	
Compensation for removal of gravel	1,450.00	
Sundry farm and settlement roads (units under $350)	1,299.09	
		$77,000.00
Bridge elimination (Project No. 957)—		
Central and Golf Bridges	$1,752.44	
Collapsed culvert at Sunset Prairie	3,278.71	
Holloway Bridge	2,661.17	
Little Buffalo Bridge	2,665.77	
Ryan Bridge	4,964.84	
Saskatoon Bridge	3,129.99	
Sunnybrook Bridge	1,317.21	
Yaeger Bridge	2,229.87	
		22,000.00
Maintenance of roads		376,577.74
Maintenance of bridges		24,000.00
Maintenance and operation of ferries		36,720.00
Snow-removal		131,808.37

PEACE RIVER SOUTH DISTRICT—*Continued*

Surveys (general)—Fraser River–John Hart Highway, Progress–Arras (Project No. 952)		$3,433.61
Rights-of-way (Project No. 954)—		
Dawson Creek–Alberta Highway, Pouce Coupe–Alberta Boundary section	$809.55	
Peace River Bridge detour	2,072.00	
		2,881.55
Construction, roads—Dawson Creek–Alberta Boundary Highway, Pouce Coupe–Alberta Boundary section (Project No. 881)		1,558,666.67
Surfacing—Alaska Avenue in Dawson Creek from Eighth Street, Mile 0, to Jackson Street (Seventeenth Street) (Contract S-6258)		262,310.50
Total, Peace River South District		$2,495,398.44

PRINCE RUPERT DISTRICT

Day-labour (Project No. 921)—		
Masset–Port Clements	$28,000.00	
Port Edward–Cassiar Cannery	42,000.00	
		$70,000.00
Maintenance of roads		138,921.29
Maintenance of bridges		10,269.83
Snow-removal		20,305.10
Legal surveys—Provincial Government wharf, Prince Rupert, Waterfront Block F (Project No. 953)		506.00
Construction, bridges—McClymont Bridge (Project No. 226)		8,716.83
Total, Prince Rupert District		$248,719.05

REVELSTOKE DISTRICT

Day-labour (Project No. 931)—		
Revelstoke–Arrowhead	$45,581.28	
Trans-Canada Highway, Big Bend section	2,418.72	
		$48,000.00
Maintenance of roads		166,043.26
Classified roads—Secondary Highway 193B		2,006.29
Maintenance of bridges		38,000.00
Maintenance and operation of ferries		117,887.85
Snow-removal		109,680.28
Surveys (Trans-Canada Highway)—		
Revelstoke–Golden, Griffith–Golden section, Mile 476.6 to Mile 563.0 (Project No. 950)	$10,579.56	
Revelstoke–Golden, Revelstoke–Flat Creek section, Mile 476.6 to Mile 563.0 (Project No. 950)	5,789.09	
Sicamous–Revelstoke, Mile 430.28 to Mile 476.61 (Project No. 950)	4,709.02	
		21,077.67
Rights-of-way (Trans-Canada Highway)—		
Three Valley Lake west, Mile 462.11 to Mile 463.43 (Project No. 951)	$6.43	
Craigellachie–Kay Falls and Kay Falls–Twin Bridges, Mile 447.03 to Mile 453.80 and Mile 454.1 to Mile 460.95 (Project No. 951)	607.75	
Greely–Clachnacudainn section, Mile 482.55 to Mile 487.22 (Project No. 951)	500.00	
Revelstoke–Greely section, Mile 477.61 to Mile 482.55 (Project No. 951)	1,788.00	
Revelstoke Park–Glacier Park, Section 1, Mile 494.70 to Mile 500.62 (Project No. 951)	314.00	
Three Mile Crossing–Revelstoke section, Mile 473.44 to Mile 477.61 (Project No. 951)	16,758.43	
		19,974.61
Construction—		
Bridges (Trans-Canada Highway)—		
Craigellachie Overhead Crossing (Project No. 184)	$5,644.18	
Columbia River Bridge (Project No. 185)	566,095.64	
C.P.R. Overhead (Project No. 192)	2,920.67	
Gorge and Crazy Creek (Project No. 216)	67,134.74	
North Fork of Eagle River (Project No. 264)	87,462.87	
Taft Overhead (Project No. 272)	440,908.70	
		1,170,166.80

REVELSTOKE DISTRICT—*Continued*

Construction—*Continued*		
Roads (Trans-Canada Highway)—		
Clanwilliam Overhead approaches, Mile 469.01 to Mile 469.85 (Project No. 549)	$2,285.87	
Three Valley Lake west, Mile 462.11 to Mile 463.43 (Project No. 813A)	45,381.94	
Victor Lake–Summit Lake Section, Mile 465.41 to Mile 468.18 (Project No. 813B)	379,664.65	
Craigellachie–Kay Falls and Kay Falls–Twin Bridges, Mile 447.03 to Mile 453.80 and Mile 454.30 to Mile 460.33 respectively (Project No. 819)	950,977.48	
Greely–Clachnacudainn Creek section, Mile 482.55 to Mile 487.22 (Project No. 880)	1,037,330.51	
Revelstoke–Greely section, Mile 477.61 to Mile 482.55 (Project No. 890)	689,438.49	
East boundary of Revelstoke Park to Glacier Park, Section 1 (Rogers Pass), Mile 494.70 to Mile 500.62 (Project No. 902)	844,263.32	
Three Mile Crossing–Revelstoke, Mile 473.44 to Mile 477.61 (Project No. 960)	256,118.21	
East boundary of Revelstoke Park to Glacier Park, Section 2, Mile 500.62 to Mile 505.68 (Project No. 969)	699.78	
		$4,206,160.25
Total, Revelstoke District		$5,898,997.01

ROSSLAND-TRAIL DISTRICT

Day-labour—		
Project No. 937—Southern Trans-Provincial Highway, Schofield and Rossland Arterial, widening between Columbia Avenue and Warfield, 2 miles	$59,000.00	
Project No. 878—Castlegar–Sheep Lake, Section 2	30,000.00	
		$89,000.00
Bridge elimination (Project No. 957)—		
Hanna Creek	$2,500.00	
Kelly Creek	5,576.73	
		8,076.73
Maintenance of roads		231,630.26
Maintenance of bridges		18,700.66
Maintenance and operation of ferries		99,477.29
Snow-removal		100,966.28
Local highways within municipal limits—		
Village of Montrose, sundry roads	$3,200.00	
City of Trail, paving and storm-sewers, Riverside Avenue	2,000.00	
		5,200.00
Surveys (general)—		
Christina Lake–Kinnaird (Project No. 952)	$7,845.28	
Kinnaird–Meadow Siding (Project No. 952)	40,734.00	
Trail Arterial (Project No. 952)	15,098.82	
West Robson–Celgar Plant (Project No. 952)	171.86	
		63,849.96
Rights-of-way—		
Upper Annable Underpass (Project No. 954)	$60.00	
Southern Trans-Provincial Highway, Castlegar–Sheep Lake, Section 2 (Project No. 954)	599.75	
		659.75
Construction—		
Bridges—		
Castlegar Overhead (Project No. 214)	$840.00	
Upper Annable Bridge (Project No. 246)	19,518.55	
		20,358.55
Roads—Southern Trans-Provincial Highway, Castlegar–Sheep Lake, Section 2 (Project No. 878)		609,701.52
Total, Rossland-Trail District		$1,247,621.00

SAANICH DISTRICT

Day-labour (Project No. 912)—		
Sundry roads, road-mix pave 3 miles	$18,895.75	
Sundry roads, seal-coat 5 miles	11,104.25	
		$30,000.00
Maintenance of roads		91,552.24
Classified highways—		
Beacon Avenue, 146B	$2,940.05	
Tillicum Road, 148B	6,005.50	
		8,945.55
Maintenance and operation of ferries		23,940.10
Snow-removal		4,918.26
Local highways within municipal limits—Amelia Avenue		1,500.00
Surveys (general)—Bazan Bay–Swartz Bay (Project No. 952)		8,170.27
Total, Saanich District		$169,026.42

SALMON ARM DISTRICT

Day-labour (Project No. 930)—		
Sorrento–Eagle Bay, reconstruction	$12,305.56	
White Lake, reconstruction	24,694.44	
		$37,000.00
Maintenance of roads		188,379.37
Classified highways—		
Salmon Arm–Enderby, 23B, 80B	$170.50	
Salmon Arm–Grand Prairie, 26B	3,074.04	
		3,244.54
Maintenance of bridges		29,000.00
Maintenance and operation of ferries		12,000.00
Snow-removal		62,792.85
Surveys—Trans-Canada Highway, Chase By-pass, Mile 377.0 to Mile 379.76 (Project No. 950)		836.12
Legal surveys—		
Tappen Siding Indian Reserve No. 5 (Project No. 953)	$215.63	
Village of Falkland, Highway No. 97 (Project No. 953)	1,326.57	
		1,542.20
Rights-of-way—		
Trans-Canada Highway, Tappen–Salmon River, Mile 402.76 to Mile 407.49 (Project No. 951)	$489.25	
Trans-Canada Highway, Chase–Sorrento, Mile 379.83 to Mile 384.38, Mile 385.61 to Mile 388.31 (Project No. 951)	1,310.25	
		1,799.50
Construction—		
Bridges—Chase Creek Bridge and Chase Overhead Crossing (Project No. 273)		184,792.53
Roads—		
Trans-Canada Highway, Canoe–Sicamous, Mile 418.88 to Mile 425.11 (Project No. 477)	$27,233.32	
Trans-Canada Highway, Chase–Sorrento, Mile 379.83 to Mile 384.38 and Mile 385.61 to Mile 388.31 (Project No. 789)	43,373.85	
		70,607.17
Surfacing—		
Trans-Canada Highway, Chase–Sorrento, base processing, Mile 379.83 to Mile 388.31 (Project No. 949)	$20,811.63	
Trans-Canada Highway, Chase–Sorrento, Mile 379.83 to Mile 384.38 and Mile 385.61 to Mile 388.31 (Contract S-8458) (Project No. 949)	159,521.76	
		180,333.39
General—Salmon River Road, base processing		23,697.62
Total, Salmon Arm District		$796,025.29

SIMILKAMEEN DISTRICT

Day-labour—		
Project No. 959—Richter Pass	$50,000.00	
Project No. 927—		
East Side Road, Skaha Lake	32,920.59	
Orchard roads, general improvements and road-mix pavement	19,454.74	
Southern Trans-Provincial Highway, flood damage near Osoyoos	2,624.67	
		$105,000.00
Maintenance of roads		310,106.68
Maintenance of bridges		31,000.00

SIMILKAMEEN DISTRICT—*Continued*

Snow-removal		$174,309.54
Rights-of-way—Okanagan Highway, Kaleden–Skaha Lake (Project No. 954)		23,092.00
Construction, roads—Kaleden–Skaha Lake section (Project No. 901)		149,861.74
Surfacing—		
Okanagan Highway, Graveyard Hill to Osoyoos (Contract S-4158)	$27,128.30	
Okanagan Highway, Okanagan Falls to 5 miles south (Contract S-4158)	18,478.74	
		45,607.04
Total, Similkameen District		$838,977.00

SKEENA DISTRICT (EAST)

Day-labour (Project No. 948)—Northern Trans-Provincial Highway, Skeena Crossing west, reconstruction		$100,000.00
Bridge elimination (Project No. 957)—		
Bob Creek Bridge	$744.80	
Muirhead Bridge	2,935.46	
Beaverdam Bridge	1,446.33	
		5,126.59
Maintenance of roads		193,019.03
Maintenance of bridges		11,875.03
Maintenance and operation of ferries		13,384.00
Snow-removal		43,141.11
Surveys (general)—New Hazelton–Seaton (Project No. 952)		16,194.64
Legal surveys—		
Indian Reserves Nos. 3 and 3A, Hagwilget (Tsitsk) (Project No. 953)	$1,581.00	
Kitseguecla Indian Reserves Nos. 1 and 2, Hazelton (Project No. 953)	3,836.10	
Highway through Moricetown Indian Reserves Nos. 1, 2, and 17, Cassiar District (Project No. 953)	2,376.76	
		7,793.86
Surfacing—		
Northern Trans-Provincial Highway, New Hazelton, base processing	$7.37	
Northern Trans-Provincial Highway No. 16, base processing	76,694.46	
Northern Trans-Provincial Highway, Smithers section, base processing	8,758.64	
		85,460.47
Total, Skeena District (East)		$475,994.73

SKEENA DISTRICT (WEST)

Day-labour (Project No. 922)—Terrace Airport roads, ditching and shouldering prior to paving		$32,996.81
Maintenance of roads		152,760.64
Maintenance of bridges		27,710.27
Maintenance and operation of ferries		10,619.57
Snow-removal		103,426.95
Surveys (general)—Terrace–Lakelse, Terrace–Kitimat Highway (Project No. 952)		17,073.45
Construction—		
Bridges—Kitimat River, Nalbeelah Creek and Humphrys Creek Bridges (Project No. 244)		131,507.61
Roads—		
Terrace–Kitimat Highway, Lakelse–Kitimat River section (Project No. 629)	$72,732.36	
Terrace–Kitimat Highway, Kitimat Crossing–Kitimat Townsite, clearing and grubbing (Project No. 643)	19,441.46	
		92,173.82
Surfacing—		
Northern Trans-Provincial Highway, Terrace–Usk, Terrace Bridge south to junction of Lakelse Road (Contract S-0258)	$15,901.67	
Terrace–Kitimat Highway, Lakelse–Kitimat Townsite, 24.28 miles (Contract S-0258)	489,326.73	
Terrace Airport Road, Terrace Bridge south to Airport Boundary (Contract S-0258)	68,413.92	
		573,642.32
Total, Skeena District (West)		$1,141,911.44

SOUTH OKANAGAN DISTRICT

Day-labour (Project No. 926), sundry roads, road-mix pave—		
Lakeshore	$8,125.30	
Paret	513.48	
Boucherie	2,651.17	
Anders	1,909.42	
Hollywood	13,473.06	
Raymer	560.65	
Old Vernon	1,208.83	
Sawmill	300.25	
Naramata roads	10,863.17	
Westbank roads	648.10	
Cameron Subdivision roads	216.00	
		$40,469.43
Maintenance of roads		203,905.35
Maintenance of bridges		10,978.55
Maintenance and operation of ferries		105,090.75
Snow-removal		52,274.90
Surveys (genreal)—Kelowna–Postill (Project No. 952)		21.35
Legal surveys—West Summerland–Peachland, 9.2 miles, and Indian reserve at Westbank, 1.2 miles (Project No. 953)		11,289.69
Rights-of-way—		
Glenmore extension (Project No. 954)	$330.00	
Harvey Avenue extension (Project No. 954)	8,940.00	
Ellison Overhead Crossing and approaches (Project No. 954)	5,178.75	
		14,448.75
Construction—		
Bridges—Ellison Overhead Crossing (Project No. 241)		411.00
Roads—Ellison Overhead Crossing approaches (Project No. 897)		71,312.80
Surfacing—		
Okanagan Highway, Abbott Street, Kelowna, between Bernard Avenue and Harvey Street, 950 feet (Contract S-2158)	$26,562.63	
Bernard Avenue, Kelowna, between Ellis Street and Richter Street, 1,100 feet (Contract S-2158)	12,513.04	
Harvey Avenue, Kelowna, between Abbott Street and 600 feet beyond Richter Street, 3,160 feet (Contract S-2158)	117,294.13	
Okanagan Highway, Westbank to 1.2 miles south of Westbank, Powers Creek section (Contract S-2158)	30,924.28	
Okanagan Highway, west approach to Kelowna Bridge, Station 00.00 to Station 77.07.50 (Contract S-2158)	43,444.06	
Okanagan Highway, east approach to Kelowna Bridge, 0.35 mile (Contract S-2158)	19,723.61	
Kelowna Bridge deck, sand-asphalt mix, 0.54 mile (Contract S-2158)	6,460.11	
		256,921.86
Total, South Okanagan District		$767,124.43

VANCOUVER-POINT GREY DISTRICT

Maintenance of roads	$15,000.00
Snow-removal	724.95
Constructino, roads—Trans-Canada Highway, Vancoucer–Fraser River section, preliminary design, etc., 2.16 miles (Project No. 885)*	26,969.30
Total, Vancouver-Point Grey District	$42,694.25

YALE DISTRICT

Day-labour (Project No. 925)—		
Spences Bridge Road, reconstruct on new location, 2.2 miles	$65,000.00	
Mamit Lake Road, reconstruct 3 miles	5,000.00	
		$70,000.00
Maintenance of roads		279,309.94
Maintenance of bridges		32,941.12
Maintenance and operation of ferries		42,178.74
Snow-removal		127,220.89

* Project No. 885 extends into several districts (*also see* Burnaby and Dewdney). Total project expenditure is $217,622.80.

YALE DISTRICT—*Continued*

Surveys (Trans-Canada Highway)—		
Hope Bridge–American Creek, Mile 167.43 to Mile 171.18 (Project No. 950)	$3,256.40	
Kanaka Creek–Lytton, Mile 229.43 to Mile 237.50 (Project No. 950)	4,267.43	
Tunnels–Boston Bar, Mile 199.85 to Mile 208.9 (Project No. 950)	11,537.82	
Lytton–Spences Bridge, Mile 237.50 to Mile 262.19 (Project No. 950)	12,537.87	
		$31,599.52
Surveys (general)—Spences Bridge–Merritt (Project No. 952)		4,607.58
Legal Surveys—		
Princeton–Meritt Highway, Allison Lake northerly, 10 miles; John Hart Highway, Arras–Dawson Creek, 8 miles (Project No. 953)	$4,707.57	
Trans-Canada Highway through Indian Reserve Nos. 2, 3, 4, 5, and 5c at Boothroyd (Project No. 953)	4,818.39	
Trans-Canada Highway through Buctune Reserve No. 4, Klakamich Reserve No. 17, Sam Adams Reserve No. 12, Klickkumcheen Reserve No. 18, Tsawawmuck Reserve No. 1, and Two Mile Creek Reserve No. 16a (Project No. 953)	3,255.58	
Trans-Canada Highway through Sackum Indian Reserve No. 3 and Indian Graveyard (Project No. 953)	572.35	
Trans-Canada Highway through Spences Bridge Indian Reserve No. 4 and Lower Shawniken Indian Reserve No. 4a (Project No. 953)	837.60	
		14,191.49
Rights-of-way (Trans-Canada Highway)—		
American Creek–Yale, Section E, Mile 179.93 to Mile 181.89 (Project No. 951)	$250.00	
American Creek–Yale, Section D, Mile 177.47 to Mile 178.91, (Project No. 951)	58.95	
Tank Hill–Spences Bridge, Mile 247.59 to Mile 260.98 (Project No. 951)	1,656.95	
Spuzzum Creek section, Mile 189.67 to Mile 193.46 (Project No. 951)	2,164.00	
Bell Crossing–Saddle Rock, Mile 183.69 to Mile 188.52 (Project No. 951)	221.00	
Fraser River Crossing—Alexandra Lodge, Mile 193.17 to Mile 195.67 (Project No. 951)	25.00	
Reconstruction, Boothroyd Flats–Jackass Mountain, Mile 217.41 to Mile 226.06 (Project No. 951)	12,248.88	
Tunnels–Boston Bar, Mile 204.03 to Mile 210.07 (Project No. 951)	23,754.75	
		40,379.53
Construction—		
Bridges (Trans-Canada Highway)—		
Alexandra Bridge (Project No. 183)	$270,967.43	
Nine Mile (Project No. 188)	91,422.40	
Sawmill Creek (Project No. 256)	3,473.47	
Nicoamen River and Sackum Overhead (Project No. 271)	181,449.65	
C.P.R. Underpass at Nicoamen (Project No. 243)	97,158.85	
		644,471.80
Roads (Trans-Canada Highway)—		
Tank Hill and Tank Creek Underpass, Mile 246.60 to Mile 247.51 and Mile 246.91 (Project No. 554)	$306,118.49	
Salkel Flats–Nine Mile Creek, Mile 212.83 to Mile 215.33 (Project No. 625)	4,832.67	
Nine Mile Creek–Boothroyd Flats, Mile 215.47 to Mile 217.41 (Project No. 647)	3,103.71	
Boston Bar–Salkel Flats section, Mile 210.08 to Mile 212.83 (Project No. 694)	936,420.86	
Tank Hill–Spences Bridge, Mile 247.59 to Mile 260.98 (Project No. 760)	338,693.69	
Lytton–Tank Hill, Mile 237.50 to Mile 246.60 (Project No. 762)	809,987.73	
Spuzzum Creek section, Mile 189.67 to Mile 193.46 (Project No. 764)	3,729.21	
Bell Crossing–Saddle Rock, Mile 183.90 to Mile 188.52 (Project No. 792)	1,151,661.50	
Fraser River Crossing–Alexandra Lodge, Mile 193.17 to Mile 195.67 (Project No. 874)	439,466.88	
Saddle Rock–C.P.R. Overhead, Mile 188.44 to Mile 189.75 (Project No. 892)	1,244,699.12	
Boothroyd–Jackass Mountain, Mile 217.41 to Mile 225.49 (Project No. 906)	1,528,792.09	
Drynoch Slide stabilibzation, Mile 257 (Project No. 964)	63,050.78	
		6,830,556.73
Ferries—North Bend Aerial Ferry at Boston Bar (Project No. 290)		16,411.55

YALE DISTRICT—*Continued*

Surfacing—		
Trans-Canada Highway—		
Lytton–Spences Bridge, base processing, Mile 237.50 to Mile 260.98 (Project No. 949)	$50,636.82	
Spuzzum Creek section, Mile 189.67 to Mile 193.46 (Contract S-8358) (Project No. 949)	75,430.28	
American Creek–Yale, Section D, Mile 177.47 to Mile 178.91 (Contract S-8358) (Project No. 949)	28,211.33	
		$154,278.43
General—Collettville streets, base processing		2,000.00
Total, Yale District		$8,290,147.32

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