

a mile, which will mean an expenditure of more than two million and a half for the seventy-five miles.

**Walkerville, Ont.**—The Detroit Dredging Co. secured the contract for dredging the Little River drain—58,500 cubic yards for \$5,640. Owen McKay is the engineer.

**Winnipeg, Man.**—Frank R. Evans, architect, has awarded to A. J. Bonnett, of Winnipeg, a contract for the erection of a business block. Following were the bids received:

A. J. Bonnett, Winnipeg	\$25,000
Winnipeg Construction Co.	25,210
J. Barlow	25,619
Matheson & Gay	25,707
J. Dolmer	26,200
W. J. Harris	26,666

**Winnipeg, Man.**—The Vulcan Iron Works have secured contracts for all the iron and steel work in both the collegiate schools for the Winnipeg School Board amounting to \$50,000.

**Winnipeg, Man.**—The contract for the first section of the main line of the Canadian Northern Railway in British Columbia has been awarded to A. C. Mann, of this city. The contract calls for the construction of sixty miles from a point opposite New Westminster eastward. Rush orders have been given for the execution of the work.

**Winnipeg, Man.**—For the construction of a bridge over the Assiniboine River, the Algoma Steel Bridge Co., of Winnipeg, were awarded a contract by the municipality of Ellice, at \$4,885.

**Winnipeg, Man.**—The Board of Control let the contract for the Brown and Brant Street bridge over the C. P. R. tracks for a total of \$259,800. The Cleveland Bridge and Engineering Company, of Darlington, England, got the contract for the superstructure at \$205,160.

**Prince Albert, Sask.**—Goldie & McCulloch, of Galt, Ont., were given the contract for boilers for the electric light works.

**Strathcona, Alta.**—Hulbert & Wilson, at \$13,847, secured the contract for sewer and waterworks extensions here.

**Wainwright, Alta.**—P. D. Laird & Son, of Wainwright, secured the contract for building a school here, at \$15,000. Other bids were:—W. D. McKay, Wainwright, \$15,777; Alberta Construction Co., Sedgewick, Alta., \$14,400; Neil Stewart, Saskatoon, \$17,950; T. E. Dolan, Wainwright, \$16,500; T. J. Brocklebank, Melville, Sask., \$13,790. (Not regular.)

**Fernie, B.C.**—Following is a list of tenders for the construction of 1910 extensions to the water supply system:—

Length material.	Depth in feet.	A.	B.	C.	D.
11440 feet 3 inches W. I. Pipe....4-6		.22	.30	.22	.34
500 feet 4 inches W. I. Pipe....4-6		.24	.30	.22	.34
6770 feet 6 inches Wood Pipe....4-6		.25	.30	.34	.34
37 Valves on 3-inch pipe line, each		3.00	1.00	2.00	2.00
1 Valve on 4-inch pipe line, each		3.00	1.00	2.00	2.50
6 Valves on 6-inch pipe line, each		5.00	1.50	5.00	3.00
12 hydrants, 15-foot wood pipe ..		15.00	3.00	20.00	8.00
Total of tender .....		\$4,653.30	\$5,696.00	\$5,274.60	\$6,551.90

The prices include making the necessary connections. A.—R. Potter, city engineer, (successful tender). B.—Hugh Macdonald, Victoria, B.C. C.—Depew, McDonald & McLean Company, Fernie. D.—Broley & Martin, Fernie.

Following is the list of tenders for construction of storm-water sewers:—

Size.	Concrete Pipe, Feet Deep.	Total Feet.	A.	Per Foot.	B.	C.
30-inch	0-6	250	2.15	\$ 1.00	\$ 1.75	
30-inch	6-8	1050	2.30	1.50	2.25	
24-inch	6-8	690	1.90	1.40	1.95	
24-inch	8-10	240	2.00	2.25	2.25	
24-inch	10-12	400	2.10	2.60	2.65	
20-inch	0-6	850	1.40	.90	1.40	
20-inch	6-8	175	1.50	1.30	1.80	
20-inch	8-10	200	1.60	2.25	2.35	
20-inch	10-12	320	1.70	2.40	2.60	
15-inch	8-10	1440	1.40	2.25	2.00	
15-inch	10-12	140	1.55	2.40	2.40	
6-inch	0-6	700	.90	.60	.70	
6-inch	Underdrain	6300	.10	.15	.10	
Manholes, 20, each			50.00	70.00	55.00	
Catch basins, 20, each			40.00	40.00	30.00	
Timber left in ditch, 50,000 ft. B. M.						
per M.			10.00	15.00	12.00	
Totals			\$13,703.00	\$14,716.50	\$15,411.00	

A.—J. I. Wood, contractor, Fernie, B.C. (successful tenderer). B.—Hugh McDonald, Victoria, B.C. C.—W. M. Dicken & J. P. Horn, contractors, Fernie, B.C.

**Nanaimo, B.C.**—For excavation work and laying vitrified sewer pipes for the first section of the sewerage system here, Macdougall & Co., of Vancouver, were awarded a contract at \$48,641. Other bids were:

John W. Moore, Jr., Victoria	\$53,751
Hugh Macdonald, Victoria	59,523
James C. Kennedy, Vancouver	71,205
Pacific Coast Construction Co., Victoria	74,945
City Engineer's estimate	50,000

Allan Waters, City Engineer.

**Prince Rupert, B.C.**—The Dominion Wood Pipe Co. were given a contract for water pipe at \$1,118.

**Vancouver, B.C.**—Tenders for the cement lining of the Little Mountain reservoir were as follows: One 10,000 square yards of bottom lining; second, 9,000 square yards, reinforced lining; third, 6,000 square yards, rock surface finish; fourth, lump sum for installation of inlet and overflow pipes. The bids on the respective items were as follows: Wells Construction Company, \$1.42, \$1.88, \$1.20; no figure for installation of inlet. Waugh & Milburn Construction Company, \$2.05, \$2.50, 20 cents and \$250. J. C. Kennedy, \$1.80, \$1.90, 50 cents and \$200. M. P. Cotton, \$1.85, \$2.85, \$1 and \$600. G. H. Webster, \$1.55, \$2, \$1 and \$475. The tenders were referred to the engineer for report. Tenders were opened for 3,800 feet of twenty-two-inch steel pipe which is demanded for a new main in connection with the regrading of Pender Street East, the bids being as follows: Evans, Coleman & Evans, \$2.63 per foot; P. E. Harris, \$2.84 per foot; J. C. & A. J. Macdonald, of New Westminster, \$3.21 per foot.

Evans, Coleman & Evans offered a lot of eight-inch lap-welded pipe at \$59.85 per 100 feet. The offer was accepted, the pipe to be taken as needed.

**Victoria, B.C.**—The contract for the repairing of the steamer "Yucatan," of the Alaska Steamship Co., was awarded to the Williamette Steel and Iron Works, of Portland, Ore., whose tender of \$89,000, the work to be completed in 140 days, was by far the lowest of the eight bids submitted to the underwriters. The bids were: Union Iron Works, San Francisco, \$170,000, 175 days; United Engineering Works, San Francisco, \$153,000, 150 days; Wallace & Jenkins, Seattle, \$133,250, 125 days; British Columbia Marine Railway Co., Victoria, \$125,000, 130 days; More Iron Works, San Francisco, \$122,500, 150 days; Moran Shipbuilding Co., Seattle, \$120,000, 150 days; Heffernan Shipbuilding Co., Seattle, \$119,460, seven months; Williamette Steel and Iron Works, Portland, \$89,000, 140 days.

## RAILWAYS—STEAM AND ELECTRIC.

**Fredericton, N.B.**—Surveying Party No. 3, on the St. John Valley Railway survey, reported on July 4th at Welsford, Queens County, under Prof. E. A. Stone, dean of the University of New Brunswick engineering school, and will immediately commence work on an alternative route for the railway between the river and Welsford for an entry to St. John.

Prof. Stone, who has been appointed chief of the party, has had a long experience in railway work and will make a capable head for the party.

The personnel of the party as announced by Chief Engineer D. F. Maxwell, includes:—

Prof. A. E. Stone, Fredericton, chief of the party. J. W. Wilson, Clones, Queens Co., transitman. Leo. McInerney, St. John, leveller. Edward Lockery, St. John, topographer. Wm. H. Hoyt, McAdam, draftsman. Kenneth Vavasour, Fredericton, rodman for leveller. Norman J. Foster, Fredericton, head chainman. Blaine Pugh, Fredericton, rear chainman. Perley Hartley, Woodstock, rodman for topographer. James Inches, St. Stephen, tapeman for topographer.

**Ottawa, Ont.**—At Tuesday's meeting of the Cabinet Council the contract was let for the superstructure of the bridge across the Saskatchewan at the Pas, the first step in the construction of the Hudson's Bay Railway building, as it will afford a means for forwarding supplies across the river from the present end of steel at the Pas. Work on the bridge will be rushed this year in order to have everything in readiness for beginning work on the new railway early next year.

**Toronto, Ont.**—The Canadian Northern Railway awarded to Foley, Welch and Stewart a contract for the construction of their line from Virginia to Duluth, in Minnesota. It is