

plies required by the city during the year 1912. (See advt. elsewhere in Can. Eng.)

Saskatoon, Sask.—Tenders will be received by the City Commissioners until March 8th, 1912, for electrical equipment. (See advt. elsewhere in Can. Eng.)

Saskatoon, Sask.—Tenders will be received by the City Commissioners until March 1st, 1912, for furnishing sewer pipe and junctions, cast-iron pipe and specials, etc. (See advt. elsewhere in Can. Eng. for full details.)

Swan River, Man.—Tenders will be received until February 29, 1912, for the erection and completion of a six-room brick school, for all trades except excavating, concrete and plumbing. Drawing and specifications may be seen at the offices of C. A. Lewis, secretary-treasurer, Swan River, Man.; T. C. Silverthorne, superintendent, Bowsman River, Man.; and E. D. Tuttle, architect, 701 McArthur Building, Winnipeg.

Toronto, Ont.—It was decided at a meeting of the Harbor Board to ask at once for tenders for the rental of the city docks, which were recently turned over to the board by the city. Mr. E. L. Cousins, Engineer to the Board.

Toronto, Ont.—The chairman of the board of control will receive tenders until March 7th, 1912, for the grading and construction of the concrete abutments and wing walls for Coxwell Avenue Subway. G. R. Geary (Mayor), chairman, Board of Control, City Hall, Toronto. (See advertisement in Canadian Engineer.)

Toronto, Ont.—Tenders will be received by the board of control up to noon, February 27th, 1912, for the annual supply of asphalt for the year ending December 31st, 1912. G. R. Geary (Mayor), chairman, Board of Control, City Hall, Toronto. (See advertisement in Canadian Engineer.)

Toronto, Ont.—Wm. Panton, County Clerk, Milton, Ont., will receive tenders up to noon, March 4th, 1912, for completing the construction of a reinforced concrete arch of 135 foot span and 340 feet of concrete viaduct approach on the Middle Road between the town of Oakville and the Township of Trafalgar. Frank Barber, Consulting Engineer, Toronto. (See Advertisement in The Canadian Engineer.)

Victoria, B.C.—Tenders will be received until February 16th, 1912, for furnishing and fitting in place steel shelving, etc., required for the vaults of the government offices at New Westminster. Plans, etc., at the offices of the government agent, New Westminster; the Provincial Timber Inspector, Court House, Vancouver; and J. E. Griffith, Public Works Engineer, Dept. of Public Works, Victoria.

Winnipeg, Man.—Tenders will be received until February 20th, 1912, for the supply and delivery f.o.b. Winnipeg, of the following crushing plant: One No. 3 gyratory crusher without back gear driving attachment; to be fitted with chilled iron head and concaves. One No. 5 stone elevator complete with buckets, length 60-ft. One No. 5 revolving screen complete, length 16-ft., in 3 sections, and dust jacket screen. Sections to be made of $\frac{3}{4}$ -in. plate and perforated as follows: 1st section, $\frac{3}{4}$ -in.; 2nd section, $1\frac{1}{4}$ -in.; 3rd section, 2-in.; dust jacket, $\frac{3}{8}$ -in. M. Peterson, Secretary, Board of Control Office, Winnipeg.

Winnipeg, Man.—Tenders will be received until March 1st, 1912, for the supply and delivery f.o.b. Winnipeg, of the following equipment: 1 44-ton or 45-ton steam shovel equipped with a dipper of at least $1\frac{1}{4}$ -yard capacity, with a clear lift from rail to bottom of dipper door, when open, of not less than 16 feet; 1 locomotive of regular standard gauge to have a hauling capacity of at least 350 tons on a 1 per cent. grade and equipped both front and back with attachment for coupling to standard 80,000-lb. railway cars. Full specifications and drawings must accompany each proposal. M. Peterson, Secretary Board of Control Office, Winnipeg.

Winnipeg, Man.—Tenders will be received by the Chairman, Board of Control, until February 13th, 1912, for the supply and delivery f.o.b. Winnipeg, of one only 24-inch disk rock crusher complete. M. Peterson, Secretary, Board of Control Office, Winnipeg.

Winnipeg, Man.—Tenders will be received by the chairman, board of control, until March 25th, 1912, for the manufacture and delivery f.o.b. Winnipeg, of impregnated paper lead covered cables, to be used in connection with the city's fire and police telegraph system. Full particulars at the office of the city electrician, City Hall, Winnipeg. M. Peterson, Secretary, Board of Control Office, Winnipeg.

Winnipeg, Man.—Tenders will be received until February 22nd, 1912, for supply of three 50 k.w. transformers, motor, and accessories for installation at Well No. 4. Specifications,

etc., at office of city engineer, 223 James Avenue. Mr. Petersen, secretary, Board of Control Office, Winnipeg.

Winnipeg, Man.—Tenders will be received by the chairman, board of control, until March 1st, 1912, for the supply and delivery f.o.b. Winnipeg, of a quantity of C. L. water pipe, gate valves, and hydrants for extension of the domestic waterworks system. Specifications and forms of tender may be obtained at the office of the city engineer, 223 James Avenue. Mr. Petersen, secretary, Board of Control Office, Winnipeg.

Victoria, B.C.—Mr. W. Ridgway Wilson, architect, will receive tenders until March 5, 1912, for the construction of St. John's new church edifice. Material used to be brick and terra cotta.

CONTRACTS AWARDED.

New Westminster, B.C.—Messrs. J. Coughlan & Sons have received the contract of raising the high tension wires of the British Columbia Electric Railway Company on the Government bridge across the Fraser River. Contract will involve an expenditure of about \$10,000.

St. John, N.B.—The contract for the development of the Grand Trunk Pacific Terminals in Courtenay Bay, St. John, has been awarded by the Government to Norton Griffiths, the English contractor. The contract involves an expenditure of \$7,500,000.

Winnipeg, Man.—Messrs. McMillan Bros., railroad contractors, have secured from J. D. McArthur a sub-contract for 185 miles of the Hudson Bay Railway, commencing at Le Pas and extending eastward to a point west of Split Lake.

Vancouver, B.C.—Tenders dealing with the Waterworks Committee in regard to supplies for the Seymour Creek work, have been awarded as follows: The lead piping tender was awarded to Messrs. Robertson, Godson & Company for \$3,920. That for the galvanized iron pipe was given to Messrs. Crane & Company at the price of \$3,472.50. The contract for the pig lead was secured by Messrs. Evans, Coleman & Evans at \$94.08 a ton. The successful tender for the brass goods was that of Messrs. Simson, Balkwill & Company at the sum of \$1,054.

Victoria, B.C.—Mr. Harrison, Victoria, has a contract for the erection of a modern two-story factory on Garbally road. Latest kind of electrical machinery to be installed. Owners, Messrs. Hallwards, Limited, furniture manufacturers. W. D. H. Rockfort, architect.

Victoria, B.C.—The contract for the erection of a one-story brick structure for a manual training centre at the North Ward school, was awarded to Messrs. Luney Bros., at a cost of \$3,230.

RAILWAYS—STEAM AND ELECTRIC.

The Board of Railway Commissioners for Canada will hold a sittings at the Court Houses at Calgary, Alta., Thursday, March 14th, 1912; Edmonton, Alta., Monday, March 18th, 1912; Regina, Sask., Friday, March 22nd, 1912, and at the City Hall, Winnipeg, Man., Monday, March 25th, 1912. At these sittings the board will consider the matter of freight rates in western Canada.

Calgary, Alta.—Surveyors are at work preparing the route for the Calgary Street Railway's extension to the Canadian Pacific Railway Company's shops site, east of the Bow River, and work will be started in the near future.

Fredericton, N.B.—A very attractive station for the I.C.R. is almost completed at this point. Messrs. M. Ryan & Son are the contractors. Considerable concrete paving will be necessary in the spring.

Galt, Ont.—The franchise of the Galt, Preston and Hespeler Railway has been renewed for ten years.

Kingston, Ont.—A contract for 25 locomotives has been placed by the Grand Trunk Pacific Railway with the Canadian Locomotive Company, Kingston, Ont., for delivery May, 1912. These are of simple consolidation type, with Schmidt superheaters, having cylinders 25 inches in diameter by 30 inches stroke, 63-inch driving wheels, and a boiler pressure of 180 pounds.

Moose Jaw, Sask.—The Canadian Northern Railway have closed an agreement with the city council for the entrance into the city, and for the station site. The new station will be at the east end of the city, facing and immediately east of the Crescent Park and baseball ground.