

waterfront to Polson. The electric railway will connect with the ferry boats to be operated by the Flathead Lake Hotel Company, being promoted by Col. White, and will serve tourists who will patronize the \$1,000,000 summer resort to be built at Flathead Lake.

**New York Municipal Railway, Brooklyn, N. Y.**—Proposals will be received by the New York Municipal Railway for the erection of third-rail and appurtenances on the Culver line, Brooklyn, bids to be opened Oct. 8. For plans and further information, apply to Chief Engineer's Office, Room 602, 85 Clinton Street, Brooklyn, N. Y.

**International Railway, Buffalo, N. Y.**—Work has been begun by the International Railway on the construction of a single-track line along the River Road from the upper Tonawanda and Grand Island ferry to the Wickwire Steel Company's plant in Tonawanda, about 1 mile. It is expected that the line will be ready for operation within two months.

**Ithaca (N. Y.) Traction Corporation.**—Engineers have begun surveying for the extension and improvements on the Cayuga Heights line which are to be made by the Ithaca Traction Corporation. While the preliminary work has been begun, it is stated that the greater part of the laying and relaying of track will be deferred until spring.

**Durham (N. C.) Traction Company.**—An ordinance has recently been adopted by the Board of Aldermen of Durham requiring the Durham Traction Company to begin work of reconstructing its track on West Main Street on Oct. 1, preparatory to the paving of the street by the city. The company is also required to reconstruct its track on Main Street from Milton Avenue to the Norfolk & Western Railway crossing; on Chapel Hill Street from Vickers Avenue to Rigsbee Avenue and on Mangum Street from Main Street to Cleveland Street. The ordinance specifies that the rail now in use shall be replaced with 7-in. grooved girder rail.

**Northern Ohio Traction & Light Company, Akron, Ohio.**—Arrangements have been made between the County Commissioners and the Northern Ohio Traction & Light Company for the company to extend its tracks over the North Hill viaduct.

**Youngstown & Niles Railway, Youngstown, Ohio.**—Construction is under way on this company's line from Youngstown to Niles, and it is expected that the system will be in operation by late fall. It will be a high-speed line, built entirely on private right-of-way. Cars will enter Youngstown via the Steel Street-Mahoning Avenue route. Its operation will require the purchase of additional cars by the company, which is allied with the Mahoning & Shenango Railway & Light Company. J. P. Wilson, Youngstown, president. [June 30, '17.]

**Niagara, St. Catharines & Toronto Railway, St. Catharines, Ont.**—Work will be begun at once by the Niagara, St. Catharines & Toronto Railway on the rehabilitation of its system in Niagara Falls, Ont.

**Toronto & York Radial Railway, Toronto, Ont.**—A complete survey is being made by Charles Johnston, engineer, and J. F. Deadey, superintendent, of the line of the Toronto & York Radial Railway along the lake shore, Toronto, with a view to extensive improvements. Plans are being considered for either moving the present power plant at the Humber River to New Toronto or the establishment of a plant at Port Credit.

**Northern Texas Traction Company, Fort Worth, Tex.**—The City Commission of Dallas, in awarding a contract for paving Seventh Street from Bishop to Tyler Street, in Oak Cliff, voted to require the Northern Texas Traction Company to spend \$11,786 in laying heavier steel with concrete foundation.

**Salt Lake & Utah Railroad, Salt Lake City, Utah.**—It is reported that the Salt Lake & Utah Railroad will construct an extension from Salt Lake City to Eureka.

**Seattle (Wash.) Municipal Railway.**—The Board of Public Works of Seattle recently awarded two contracts for the improvement of Division A of the Seattle Municipal Railway, one for a trestle approach on Thorndyke Avenue and the other for an extension on Leary Avenue, to R. H. Travers, Seattle. The contract for the Thorndyke Avenue

approach was let for \$5,862, and the Leary Avenue extension for \$19,554. The sum of \$42,000 is available for this extension, of which \$25,000 was appropriated by the Council from the light fund, and \$17,000 from bonds voted for the construction of a steel bridge across Salmon Bay, at Fifteenth Avenue N. W.

## SHOPS AND BUILDINGS

**Pacific Electric Railway, Los Angeles, Cal.**—Improvements are being made by the Pacific Electric Railway at its Macy Street yards, Los Angeles, including the construction of a car inspection house, 246 ft. x 85 ft.; a car repair shop, 160 ft. x 150 ft.; a two-story trainmen's building, 32 ft. x 32 ft., and a storehouse, 22 ft. x 25 ft. The total cost of the buildings will be about \$151,000.

**Omaha (Neb.) Street Railway.**—Plans are being made by the Omaha Street Railway for the construction of a new carhouse to cost about \$100,000.

**Trenton, N. J.**—The New Jersey & Pennsylvania Traction Company and the Public Service Railway will now have to build terminals in other than the center of the city of Trenton to prevent cars congesting traffic. An old ordinance gave the railway companies permission to allow cars to stand at the terminus for four minutes. The ordinance now requires that terminus must be established three-quarters of a mile from the center of the city. The cars are parked in the center of the city, only a stone's throw from a fire quarters. The companies are to have a reasonable amount of time in which to prepare to establish terminals in other sections of the city.

**Cleveland & Youngstown Railroad, Cleveland, Ohio.**—A contract has been awarded by the Cleveland & Youngstown Railroad to the Walsh Construction Company, Cleveland, for the construction of a freight terminal at Orange Avenue and East Twelfth Street, to cost approximately \$675,000.

## POWER HOUSES AND SUBSTATIONS

**Chicago, Milwaukee & St. Paul Railway, Chicago, Ill.**—According to A. M. Ingersoll, assistant to the vice-president of the Chicago, Milwaukee & St. Paul Railway, as soon as the company secures title to land at Tacoma Junction, work will be begun on the proposed \$160,000 substation which the company will erect in connection with the electrification of its line between Othello, Seattle and Tacoma.

**Iowa Railway & Light Company, Cedar Rapids, Iowa.**—Work will soon be begun on the remodeling of the electric plant of the Iowa Railway & Light Company at Cedar Rapids, to cost about \$40,000.

**Hagerstown & Frederick Railway, Frederick, Md.**—Extensive improvements are contemplated by the Hagerstown & Frederick Railway, including the erection of a new power plant at dam No. 5 on the Potomac River, about 7 miles above Williamsport. The new power station will be erected on the site of the former plant on the West Virginia shore and will be equipped with three turbines having a rating of 2500 kw. The company also contemplates rebuilding dam No. 4, near Sharpsburg, where the power plant has been closed down because of the failure of the water supply.

**Kansas City (Mo.) Railways.**—This company plans to erect a substation 50 ft. x 75 ft. at Thirty-first and Montgall Streets, Kansas City, Kan.

**Interborough Rapid Transit Company, New York, N. Y.**—This company will construct a substation at 351 East 139th Street to serve the Bronx division of the Lexington Avenue subway, which will run east through 138th Street to Southern Boulevard.

**Northern Ohio Traction & Light Company, Akron, Ohio.**—A high-tension line from the power plant in Tuscarawas Street W. through the west park and thence to the transforming station of the Central Power Company at Waco will be built by the Northern Ohio Traction Company. It is the plan of the company to have two more stations of the same size installed at the plant in Tuscarawas Street W.

**Valley Railways, Lemoyne, Pa.**—It is reported that this company plans to construct a new power plant at Wormleysburg.