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Light-House Establishment,

Office of Engineer, Tenth District,

15 Inclosures.
12 in separate incl.

Buffalo, N. Y., August 6, 1901

Subject: No. 391.
South Buffalo, N.Y.
Plans and specifications
revised.

The Light-House Board,

Washington, D. C.

Sirs:-

Referring to the Board's letter of 22 December, 1900, relative to the South Buffalo, N.Y. Light and Fog-Signal Station: In accordance with the authority therein contained, I have carefully revised the plans of the structures for this station, to increase their stability and make them more suitable to meet the extreme conditions of wind and waves which occasionally prevail, and last season proved very disastrous to the breakwater in the vicinity of the main south entrance to Buffalo Harbor.

In a separate roll I submit for the approval of the Board the plans prepared, shown on twelve sheets of blue print copies, which are fully described in the specifications herewith. The estimated cost to build the two beacons, the fog-signal house and pile protection is $18,892.50, as itemized on estimate sheet herewith.

Referring to the plan designed for the beacon on "Pierhead at North Side of Main South Entrance to Buffalo Harbor", describ d in the beforementioned specifications, and shown on

plates 9, 10, 11 and 12 of accompanying plans; to the Joint Report of 24 May, 1901, and the Board's letter (No. 2,043) in reply, dated 29 May, 1901, relative to the establishment of a light on the southern end of the North Breakwater at Buffalo, N.Y, I desire to state that the conditions of site, exposure to the elements, maintenance, etc., are so very similar that the plan of beacon designed for the former place has been adopted for the latter, somewhat modified about its base to meet the different foundation conditions. I inclose an estimate ($1,750) of the cost of this beacon erected at the site. As it would, for obvious reasons, be much more economical to build this north breakwater beacon by including it with the work of constructing the South Buffalo Light Station, provision for doing so has been made in the accompanying specifications.

I have the honor therefore, to recommend that the work of building the structures for the South Buffalo Light Station, N.Y., plans and specifications submitted this date; and the beacon for the south end of the north breakwater entrance to Buffalo River, be done by, and included in one contract, the work to be let to the lowest responsible bidder after inviting proposals by public advertisement, this method being in my opinion, the most economical and advantageous to the United States.

Very respectfully,

Major of Engineers, U.S.A.
Engineer 10th L.H.District.