EJG.
Cap.

1225

Department of Commerce & Labor
Lighthouse Service

Buffalo Breakwater North End
Lt.-Sta., N. Y.
Rip rap protection.

Office of Inspector 10th Dist.
Buffalo, N. Y.

May 31, 1912.

BUREAU OF LIGHT-HOUSES
JUN 17 1912
DEPT OF COMMERCE AND LABOR

Enclosures.

Colonel J. G. Warren,
Corps of Engineers, U. S. Army,
Buffalo, N. Y.

Colonel:-

In rebuilding the Buffalo Breakwater North End Lightstation the advisability of protecting the foundation crib and preventing collisions with the superstructure, such as so frequently happen to lightstations similarly situated, has necessitated the adoption of a plan for rip-rap protection.

There is forwarded herewith a blueprint showing the proposed rip-rap as outlined.

Will you kindly inform this office if there is any objection to this plan. Any further explanation you may desire will be promptly given, and courtesy of your consideration or suggestions appreciated.

Very respectfully,

(Sgd) W. D. Gardner

Acting Inspector.

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EJG. COPY.

1st indorsement
U.S.ENGINEER OFFICE
Buffalo,N. Y. 1703/13
June 13, 1912.

1. Respectfully returned to the Inspector, Tenth Lighthouse District.
2. This lighthouse crib with high superstructure, has stood for a great many years and has never suffered from collisions by vessels.
3. The placing of riprap as proposed would create an under water menace at a locality where vessels are continually turning and maneuvering, and in view of this and of the above stated fact, the creation of such menace is considered not only objectionable but unnecessary.

print. Print'n Draft Room N.Y.
10th Dist. 3 B4
20 June 1912 -

4. The existing riprap at the end of the breakwater has been outlined in red on the drawing. This riprap is not to protect the breakwater against damage by collisions, but to protect weak crib work against wave action. It might be extended to similarly protect the Lighthouse crib as indicated in red on the drawing.
5. Protection against collisions could be secured by constructing a pile cluster and waling fender within ten feet of the crib. Such construction would avoid under water menace to navigation and restriction of harbor space.

(sgd) J. G. Warren

Colonel, Corps of Engineers,
U. S. Army.

Buff. 9/32
inclosure.