

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

24955

Ft. Strong

Btty Drum

Subject: Emplacements for Rapid Fire Guns.
UNITED STATES ENGINEER OFFICE,
 P. O. BOX 5346, ROOM 124 P. O. BUILDING,
 BOSTON, MASS.

April 18, 1898.

Brig. Gen. John M. Wilson,
 Chief of Engineers, U.S.A.,
 Washington, D. C.

General:

I have the honor to submit the following project and estimate of cost for emplacements for two 4.7 rapid fire guns at Long Island Head, authorized by Department letter of March 18, 1898.

It is proposed to build the two emplacements on the left flank of the present battery of 10-inch guns, keeping their crests at the same level as that of the heavy battery. (105 ft. above mean low water). The gun on the left will be practically an all round gun. Drawings will be completed and forwarded at the earliest practicable date.

The estimate of cost is as follows:

Excavation- 1,000 cu. yds. @ 50¢	-----	\$500.00
Embankment- 2,000 " " " 50¢	-----	1,000.00
Natural cement concrete 1,700 cu. yds. @ \$5.50	-----	9,350.00
Portland " " 300 " " " \$7.00	-----	2,100.00
Steel beams- 15,000 lbs. @ 3¢	-----	450.00
		<u>\$13,400.00</u>
Contingencies, including mounting of guns and carriages, 10%	-----	1,340.00
Total,	-----	<u>\$14,740.00</u>

These emplacements, being directly on the flank of a heavy battery, have been designed with more concrete cover than the typical 5-inch emplacements.

By direction, and in the absence, of Lieut. Col. S. M. Mansfield, Corps of Engineers.

Very respectfully, your obedient servant,

John Stephen Swell,
 1st Lt., Corps of Engineers.

OFFICE, CHIEF OF ENGINEERS

APR 19 24955

WAR DEPARTMENT
U. S. Engineer Office,
Boston, Mass.

30 Received APR 22 1898

W.D.
Bacon & Co.,
Apr. 15, 1898

Mansfield,
Lt. Col. of Art.
by Lt. J. C. Lawrence.

Estimated project and esti-
mate of cost for complete for
2-47 ft. square at Long Island
Head and 1732-1735;
\$14,740.00

W.D.
W.D.

RECD. BACK OFFICE CHIEF OF ENGRS. APR 25 1898

1st indorsement.

Office Chief of Engineers,

U. S. Army

April 20, 1898.

Respectfully returned approved.
The sum of \$8,740 additional
is hereby allotted from the ap-
propriation for National Defense,
Act of March 9, 1898, to be appli-
ed to the completion of two rapid-
fire emplacements at Long Island
Head.

This paper to be returned.

By command of Brig. Gen. Wilson:

24955
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Frederick B. Stetson
Captain, Corps of Engineers.

2d indorsement.
U. S. Engineer Office
Boston, April 23, 1898.

Respectfully returned to
the Chief of Engineers.
By direction, and ind in the
absence, of Lt. Col. S. M. Mansfield
Corps of Engineers.

John Stephen Smith
1st. Lieut. Corps of Engrs.

N.D.
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RECD. OFFICE CHIEF OF ENGRS. APR 25 1898