

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

39095

Ft. Andrews

Btry McCook

UNITED STATES ENGINEER OFFICE.

P. O. BOX 5346, ROOM 917 WINTHROP BUILDING,

BOSTON, MASS.

June 6, 1901.

Brig. Gen. Geo. L. Gillespie,
Chief of Engineers, U. S. Army,
Washington, D. C.

General:

I have the honor to forward herewith plan and estimate for emplacements for two 6" R.F.guns on pedestal mounts, to be constructed at Fort Andrews, this harbor, prepared in accordance with instructions of April 23, 1901 (39095).

The design submitted is practically the same as that submitted by Col. Suter on May 20, 1901, for two emplacements at Fort Standish, a few changes being made to adapt the battery to the site. The variations of the plan from the type drawing for 6" emplacements, with the reasons for the variations, were fully explained by Col. Suter in his letter of May 20, 1901.

The increase of cost is due to including in the estimate the cost of the electric accumulator and switchboard.

Electric current will be supplied from the generating plant to be placed in the mortar battery now building at Fort Andrews.

Details of drainage, ventilation, lighting, etc. are not shown on the drawing owing to the small scale, but are estimated and provided for.

The location of the battery is shown on a map of the reservation on Peddocks Island submitted to the Chief of Engineers with a report by Col. Suter, Aug. 29, 1900. The arrangement of

the battery permits the fire of both guns to be directed upon Nantasket Roads and a large part of Hingham Bay.

The following estimate of cost indicates that the cost of the battery should be about \$27,000.00.

Estimate:

Excavation,-----2600 cu. yds. @ 50¢ -----	\$1,300.00
Fill,-----2100 cu.yds. @ 35¢-----	735.00
Trenching for drains,-----	800.00
Grading, sodding and seeding, -----	1,200.00
Drains,manholes,etc.-----	450.00
Blind drains,-----	150.00
Concrete, 1300 cu.yds. @ \$6.00 -----	7,800.00
Forms, -----	2,470.00
Finishing, waterproofing and whitewashing,-----	450.00
Ventilation,-----	120.00
Steel work for ceilings 4000 lbs. @ 7¢ -----	280.00
Anchor bolts,-----	250.00
Ring bolts,-----	35.00
Doors, 12 @ \$50.-----	600.00
Speaking tubes,-----	40.00
Fire places,-----	60.00
Conduits and lights, 35 @ \$6.-----	210.00
Water supply, -----	300.00
Road, -----	500.00
Lifts, 2 @ \$400. -----	800.00
Taking down forms, -----	75.00
Erecting plant, -----	120.00
Removing and storing plant,-----	130.00
Electric accumulator, 56 cells @ \$30. -----	1,680.00
Switchboard, -----	400.00
Transportation, -----	2,300.00
Superintendence, 5 mos. @ \$225. -----	1,125.00
Office and contingencies, 10 % -----	2,428.00

Total,----- \$26,808.00

(Through the
Division Engineer,
N. E. Division).

Very respectfully,

Your obedient servant,

Harry Payne

Captain, Corps of Engineers.

1 inclo.
tracing in sep.roll.

119 RECEIVED my June 8 1901.

OFFICE OF CHIEF OF ENGINEERS

39095

JUN 1 1901

WAR DEPARTMENT

Boston, Mass.

June 6, 1901

Taylor, Captain Harry.

Submits plan and set. for
cable. for two 6 in. f. guns on pedestal
mounts to be constructed at Ft.
Andrews, Boston Harbor, Mass.

Est. of cost, including electric ac-
cumulator and switchboard, \$16,808.

✓ 1 Encl. (to) Pa. 185, Est. 4.
Encl. 2 in duplicate.

FORWARDED	U. S. Engineer Office, Boston, Mass.	1901
336	Received JUN 15	1901

June 7 77

✓ 811

RECD. BACK OFFICE CHIEF OF ENGRS. JUN 19 1901

Encl. 2, as com's.

1st. Indorsement.
NORTH EAST DIVISION
ENGINEER OFFICE.

New York, June 8, 1901.

Respectfully forwarded to the
Chief of Engineers, recommended
for approval.

Chas. R. Butler

Colonel, Corps of Engineers,
Division Engineer.

119-1901.

Incl. 1 accomp.

2d Indorsement.

Office Chief of Engineers,

U. S. ARMY.

June 13, 1901.

Respectfully returned to
Captain Taylor, approved.

The allotment of \$27,000
is hereby made for this
purpose from the appro-
priation for "Gun and
Mortar Batteries" for con-
struction of gun batteries,
set of March 1, 1901.

These papers to be returned.

By command of Brig. Gen. Gillespie:

39095

Major, Corps of Engineers.

Encl. 2 in
ack. recd.

Through Col. CHAS. R. SUTER,

Corps of Engineers,

Division Engineer, Northeast Division.

New York, June 14, 1901.

3rd Indorsement.
NORTH EAST DIVISION
ENGINEER OFFICE.

New York, June 14, 1901.

Respectfully returned to Capt.
Taylor, inviting attention to.
2nd Indorsement.

Chas. R. Butler

Colonel, Corps of Engineers,
Division Engineer.

119-1901

Incl. 1 sep.

4th Indorsement,
U. S. Engineer Office,
Boston, Mass.

June 18, 1901.

Respectfully returned to the
Chief of Engineers, U. S. Army.

Harry Taylor

Captain, Corps of Engineers.
Forts 336.

1 Incl. 1 in sep. roll accomp.

RECD. OFFICE CHIEF OF ENGRS. JUN 19 1901