

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

46249

Ft. Kearny

Btly Cram

Subject: Estimate- 2 6"gun emplacements at Boston Neck, R.I.

U. S. Engineer Office,

Newport, R. I., July 16, 1904.

Brig. Gen. Alexander Mackenzie,

Chief of Engineers, U. S. Army,

Washington, D. C.

General:

1. In compliance with your letters of May 11 and July 13, 1904, (E.D. File 46249), I have the honor to inclose in separate roll tracing showing proposed emplacements for two 6-inch rifles on disappearing carriages, model 1903, at Boston Neck, R.I., the estimates for the construction thereof being as follows:

Material and labor.	Quantity.	Price.	Cost.
		\$	\$
Embankment,	3600 cu.yds.	0.30	1,080
Excavation, earth,	5500 " "	0.50	2,750
" rock,	900 " "	1.75	1,575
Roadway,			3,625
Sodding,	2300 sq. "	0.50	1,150
Concrete facing, (Portland)	200 cu. "	12.00	2,400
" Portland,	2800 " "	8.00	22,400
Foundation,	800 " "	7.00	5,600
Forms,			1,500
Brickwork, facing,	2160 sq.ft.	0.60	1,296
" walls,	168 cu.yds.	17.00	2,856
Terracotta tiles or rubble facing,	820 sq.ft.	0.35	287
Waterproofing, copper,	4380 " "	0.35	1,533
" paper,	5380 " "	0.10	538
Corrugated steel bars,	9000 pounds	0.04	360
Expanded metal,	1800 sq.ft.	0.04	72
Doors & windows, steel,	16	90.00	1,440
Anchor plates, bolts & ring bolts,	30	7.00	210
Speaking tubes,	350 ft.	0.60	210
Handrails,	50 "	1.80	90
Ventilators & screens,			100
Manholes & covers,			420
Gratings & strainers,			150
Electric conduits,			500
Carried forward,			52,142

Brought forward,	\$ 52,142
Drainage,	500
Water supply (pipes, hydrants, &c.)	500
Painting,	58
Plant,	1,800
Gun moving and mounting,	1,000
Latrines & sewer,	1,800
	57,800
Engineering and contingencies, 10%	5,780
Total,	\$ 63,580

Very respectfully,

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Your obedient servant,

B. Millard
Lieut. Col., Corps of Engineers.

1 inclo. in sep. roll.

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WAR DEPARTMENT

Newport, R. I.

July 16, 1904.

Willard,

Lt. Col. J. H.,

Submits tracing of proposed
emplacements for two 6-inch rifles
on disappearing carriages, model
1903, at Boston Neck, R. I., at a
cost, as estimated within, of
\$63,580.
1 inclosure E. D. (Tracing.)

incl. 4 in map files & 26, 44 70

MacKenzie

File

*Recomm 47
notes*

REC'D BUCK OFFICE CHIEF OF ENGRS. AUG 4 1904

A inc. 4 accy.

1st indorsement.

WAR DEPARTMENT,

OFFICE OF THE CHIEF OF ENGINEERS,

WASHINGTON.

July 26, 1904.

1. Respectfully returned to Lieutenant Colonel Willard, approved.
2. Attention is invited to the Fourth Supplement to Mimeograph No. 59 and to Supplement to Mimeograph No. 10, showing details not shown in these plans.
3. The steps to the gun platform near the door to the powder passage should be placed next to the parapet, where they will be less likely to cause accidents.
4. The estimate is considerably higher than the average, so especial efforts should be made to complete for less than the allotment, if possible. For the purpose the sum of \$63,580 is hereby allotted from the appropriation for "Gun and Mortar Batteries," for construction of gun and mortar batteries, Act of April 21, 1904.
5. To be returned.

By command of Brig. Gen. MacKenzie:

Frederic W. MacKenzie
Major, Corps of Engineers.

46249

Inclo. 4 in sep. roll.

2d indorsement.

U. S. Engineer Office,
Newport, R. I., August 2, 1904.

1. Respectfully returned to

the Chief of Engineers, U. S. Army.
2. The plans have been altered to conform to paragraphs 2 and 3 of the first indorsement.
3. The placing of the steps next to the parapet has caused the changing of the door to the powder passage to a single door hinged on the side opposite the stairs.

John H. Willard
Lieut. Col., Corps of Engrs.

Inclo. 46249-4 in sep. roll.

REC'D OFFICE CHIEF OF ENGRS. AUG 7 1904