

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

39091

Ft. Monroe

Btty Montgomery

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ENGINEER OFFICE, U. S. ARMY,
166 GRANBY STREET,

Norfolk, Va., July 22, 1901.

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

General:

In pursuance with instructions contained in Department letter of April 23, 1901, 39091, I have the honor to submit the accompanying estimates, and to transmit, in a separate package, by to-day's mail, plans for emplacements for two 6-inch R. F. guns at Fort Monroe, Va.

The approved project provides for a battery of two 6-inch R. F. guns between the 12-inch battery and 10-inch battery (Battery B). The guns of this battery are intended not only to have a front fire, but also to be capable of firing to the rear, if necessary.

The site is flat and low, and subject to overflow at very high tides. Some filling in is, therefore, necessary to place the floors of magazines above storm-level.

Two plans are submitted: The first (No. 1) is a modification of the Type plan, the estimated cost of which is \$24,865.94; or, with storage battery and accessories to be charged from Battery B, \$26,097.94. The second (No. 2) introduces several changes in the design of rooms and ammunition service, etc. A lookout station between the guns is also provided.

The shot is delivered at the level of the loading platform,

32/4 37M
CHIEF OF ENGINEERS

39091

WAR DEPARTMENT
Baltimore, Md., July 28, 1901.

65
THE BOARD OF ENGINEERS
QUINN REPLY AUGUST 1901

REPRODUCED AT THE NATIONAL ARCHIVES
directed by R.D. Mallett, dated April 23, 1901 (39091) submitted for two 6" R.F. guns, Va. The plan, \$24,855.94 filed plan, \$24,616.08. The latter plan the more desirable. If the storage batteries and accessories are charged to these estimates, they will increase by \$1,232. Stated the work can proceed once. A provisioned allotment of \$30,000 was made by E.D. 37221 on November 9, 1900 for this battery.

REC'D. BACK, OFFICE CHIEF OF ENGRS.
Area 3-8 accompg.
SEP 3 1901
39th Engr. Det. Bldg. 6-1901

1st. Indorsement.
U.S. Engineer Office,
Baltimore, Md.

Aug. 12, 1901

Respectfully submitted for the Chief of Engineers, U.S.A. These are some features of each battery that I do not think but on the whole I concur with the district engineer that plan No. 2 is the better, and I recommend it for approval.

As the site is low and may have to be filled in to some extent, special pains should be taken to see that the foundation for the battery is made secure. Delay in forwarding these plans has been caused in getting the tracing herewith from the district engineer illustrating the arc of fire, and also by other official duties engaging my attention.

[Signature]
Chief of Engineers, U.S.A.

2d Indorsement.
Office Chief of Engineers,
U.S. Army.

August 14, 1901.

Respectfully referred to The Board of Engineers for consideration and recommendation. Information is requested whether the modified type proposed by Major Quinn is, in the opinion of the Board, free from inherent defects of construction or design,

and whether it possesses any advantages over the type drawing for the emplacements in this particular locality.

[Signature]
Acting Chief of Engineers

39091
Incls. 3 & 4 accompg.
Incls. 5-8 in sep. roll.

The Board of Engineers, Army Building, New York City, August 28, 1901.

Respectfully returned to the Chief of Engineers.

The Board has carefully examined the plans submitted by Major Quinn and concurs in the opinion expressed by him and endorsed by the Division Engineer that the modified plan numbered 2 (correctly numbered in red ink on tracing) is the better of the two, and recommends that it be approved. There are not apparent any defects or difficulties in the design which may not be met by proper precautions in construction, while the arrangements for ammunition supply and the spacing of the guns are regarded by the Board as superior to those given by the approved type.

For the Board:
[Signature]
Colonel, Corps of Engineers,
President of the Board.

REC'D. OFFICE CHIEF OF ENGRS.
SEP 3 1901
Incls. 6, 7 accompg, 8-11 in sep, pk

4th Indorsement.

Office Chief of Engineers,
U. S. Army,

September 4, 1901.
Respectfully returned to Major Quinn, approved as recommended by the Division Engineer and The Board of Engineers.

The sum of \$24,000 of the provisional allotment made November 9, 1900, from the appropriation "Gun and Mortar Batteries", for construction of gun and mortar batteries, Act of May 25, 1900, is hereby made available for expenditure in the construction of this battery, and the balance of this allotment, \$6,000, is withdrawn and restored to the appropriation from which allotted. Funds can not be spared at present for the installation of the storage battery. These papers to be returned.

[Signature]
Acting Chief of Engineers.

39091
2
Incls. 3 & 4 accompg.
Incls. 5-8 in sep. roll.

Through Col. PETER C. HAINES,
Corps of Engineers,
Division Engineer, Southeast Division.

5th. Indorsement.
U.S. Engineer Office,
Baltimore, Md.,

Sept. 6, 1901.

Respectfully transmitted to
Maj. James B. Quinn, Corps of
Engineers, inviting attention
to the foregoing indorsements.

John B. Quinn

Col. Corps of Engineers, U.S.A.
Div. Eng. OS. E. Div. 5th

Recd. E. O. Norfolk Va. Sept. 7, 1901.

6th indorsement of
Engineer Office, U.S. Army,
Norfolk, Va., Sept. 10, 1901.

Respectfully returned to the
Chief of Engineers, U.S. Army,
directed in the 4th indorsement
hereof.

John B. Quinn
Major, Corps of Engineers,
U.S. Army.

1582 F.M.
2 inclos. accompanying
4 inclos. in sep. pkge.

OFFICE CHIEF OF ENGRS SEP 11 1901
Inclos. 3 & 4
Inclos. 2-3 in sep. pkge.

RECORDED AT THE NATIONAL ARCHIVES

ESTIMATE FOR CONSTRUCTION OF EMPLACEMENTS FOR TWO 6-INCH RAPID-FIRE GUNSAT FORT MONROE, VIRGINIA.

(Typical Plan)

No. 1

Filling up site from reference 6' to 9', with about 1,500 cubic yards of sand, @ 50¢,-----	\$	750.00
Setting up engines, derricks and concrete mixer,-----		500.00
Mixing, placing and ramming in position, 1,503 cubic yards of Portland concrete, @ \$7.50,-----		11,272.50
5,528 square feet of granolithic, @ 35¢,-----		1,934.80
21,000 pounds of steel I and channel beams, @ 3¢,-----		630.00
Handling, fitting and setting beams,-----		200.00
7,177 pounds of iron for gates, doors, etc., @ 5¢,-----		358.85
28,000 feet, B. M., Y. P. Lumber for sheathing, bracing, etc., @ \$16 per M feet, B. M.,-----		448.00
Labor putting up sheathing, bracing, etc.,-----		650.00
2,500 square feet of partition tile, @ 10¢,-----		250.00
Handling and placing partition tile,-----		100.00
3,300 square feet of water-proof paper, @ 1-1/4¢,-----		41.25
Placing water-proof paper in position,-----		50.00
20 barrels of asphalt, @ \$6,-----		120.00
3 barrels of coal-tar, @ \$5,-----		15.00
Labor placing asphalt and tar,-----		30.00
50 gallons P & B Ruberine paint, @ \$1.40,-----		70.00
200 feet C. I. drain pipe and fittings,-----		45.00
200 feet of 1-1/4-inch galv. iron pipe with fittings,-----		25.00
10 C. I. frames and covers for catch-basins, @ \$3,-----		30.00
Building catch-basins and cutting drains,-----		150.00
200 feet of trolley track and trolleys, @ 2-1/4¢,-----		450.00
4 hoist blocks, @ \$15,-----		60.00
2 chain ammunition hoists, complete, with table, etc., @ \$500,-----		1,000.00
25 hold-down plates for railing, @ 50¢,-----		12.50
Hardware, nails, hinges, locks, etc.,-----		75.00
Taking down sheathing, dressing walls, etc.,-----		250.00
3 stone lintels, 9" X 12" X 6'.8" long, @ \$8,-----		24.00
2 stone lintels, 9" X 12" X 6'.10" long, @ \$8.75,-----		17.50
2 stone lintels, 9" X 12" X 5'.2" long, @ \$7.75,-----		15.50
2,650 cubic yards of sand in position, @ 80¢,-----		2,120.00
120 cubic yards of soil in position, @ \$1,-----		120.00
120 cubic yards of clay in position, @ \$1,-----		120.00
721 square yards of sod in position, @ 50¢,-----		360.50
Electric wiring, lamps, etc.,-----		200.00
Speaking tubes, mouth-pieces, etc.,-----		50.00
Water supply,-----		60.00
		22,605.40
Contingencies 10 per centum,-----		2,260.54

Engineer Office, U. S. Army,
Norfolk, Va., July 22, 1901.

Total,-----\$24,865.94

Official:

James N. Quinn
Major, Corps of Engineers,
U. S. Army.

ESTIMATE FOR CONSTRUCTION OF EMPLACEMENTS FOR TWO 6-INCH RAPID-FIRE GUNS

AT FORT MONROE, VIRGINIA.

No. 2

(Modified Plan)

Filling up site from reference 6' to 9', with about 1,800 cubic yards of sand, @ 50¢ per cubic yard,-----	\$ 900.00
Setting up engines, derricks and concrete mixer,-----	500.00
Mixing, placing and ramming in position, 1,340 cubic yards of Portland concrete, @ \$7.50 per cubic yard,-----	10,050.00
4,500 square feet of granolithic, @ 35¢,-----	1,575.00
26,000 pounds of steel I and channel beams, @ 3¢,-----	786.00
Handling, fitting and setting beams,-----	200.00
5,800 pounds of iron for gates, doors, etc., @ 5¢,-----	290.00
29,300 feet, B. M., Y. P. lumber for sheathing, bracing, etc., @ \$16 per M feet, B. M.,-----	468.80
Labor putting up sheathing, bracing, etc.,-----	650.00
1,460 square feet of partition tile, @ 10¢,-----	146.00
Handling and placing partition tile,-----	90.00
2,800 square feet of water-proof paper, @ 1-1/4¢,-----	35.00
Placing water-proof paper in position,-----	45.00
20 barrels of asphalt, @ \$6.00,-----	120.00
3 barrels of coal-tar, @ \$5.00,-----	15.00
Labor placing asphalt and tar,-----	30.00
50 gallons P & B ruberine paint, @ \$1.40,-----	70.00
200 feet C. I. drain pipe and fittings,-----	45.00
200 feet of 1-1/4-inch galv. iron pipe with fittings,-----	25.00
8 C. I. frames and covers for catch-basins, @ \$3.00,-----	24.00
Building catch-basins and cutting drains,-----	150.00
100 feet of trolley track and trolleys, @ 2-1/4¢,-----	225.00
4 hoist blocks, @ \$15.00,-----	60.00
2 chain ammunition hoists, complete, with tables, etc., @ \$500.00,-----	1,000.00
25 hold-down plates for railing, @ 50¢,-----	12.50
Hardware, nails, locks, hinges, etc.,-----	75.00
Taking down sheathing, dressing walls, etc.,-----	250.00
3 stone lintels, 9" X 12" X 6'.8" long, @ \$8,-----	24.00
2 stone lintels, 9" X 12" X 6'.10" long, @ \$8.75,-----	17.50
3,600 cubic yards of sand in position, @ 80¢,-----	2,880.00
162 cubic yards of clay in position, @ \$1.00,-----	162.00
162 cubic yards of soil in position, @ \$1.00,-----	162.00
880 square yards of sod in position, @ 50¢,-----	440.00
Electric wiring, lamps, etc.,-----	200.00
Speaking tubes, mouth-pieces, etc.,-----	50.00
Water supply,-----	60.00

Contingencies 10 per centum,----- 21,832.80

2,183.28

Engineer Office, U. S. Army,
Norfolk, Va., July 22, 1901.

Total,-----\$24,016.08

Official:

James D. Quinn

Major, Corps of Engineers,

ENGINEER OFFICE, U. S. ARMY,
ROOM 2, CUSTOM HOUSE.

Norfolk, Va., October 7, 1903.

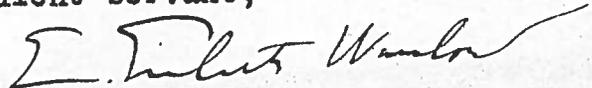
Brig. Gen. G. L. Gillespie,
Chief of Engineers, U. S. Army,
Washington, D. C.

General:

I have the honor to inform you that the emplacements in Battery Montgomery, Fort Monroe, Va., for two 6-inch R. F. guns, constructed under allotment of \$24,000, made by the 4th indorsement of your office dated September 4, 1901 (39091), are ready to receive their armament. These emplacements have been ready for some little time, but as I can find no record of a former report of this fact having been made I now send it.

Very respectfully,

Your obedient servant,



Captain, Corps of Engineers,

U. S. Army.

1582
4 F. M.

OFFICE OF CHIEF OF ENGINEERS

1582 39091
36 22653
587

WAR DEPARTMENT
WAR DEPARTMENT

Norfolk, Oct. 7, 1903.

WINSLOW,

CAPT. E. E.

States that the emplacements in Battery Montgomery, Fort Monroe, Va., for two 6-inch R.F. Guns, constructed under allotment of Sept. 4, 1901, are ready to receive their armament.

File

RECD. BACK OFFICE CHIEF OF ENGRS. OCT 21 1903

RECD. BACK OFFICE CHIEF OF ENGRS. OCT 14 1903

Received back, NORFOLK VA. OCT 19 1903
Eng'g Off., U. S. Army, 2633

1st Indorsement.

WAR DEPARTMENT,
OFFICE OF THE CHIEF OF ENGINEERS,
WASHINGTON.

October 12, 1903.

1. Respectfully referred to the Chief of Ordnance, U.S. Army, for his information, and with request for the probable date at which the carriages will be delivered to Captain Winslow.
2. The return of this paper is requested.

A. A. Stueben
Brig. Gen., Chief of Engineers,
U. S. Army.

39091
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22653-587.

2nd Endorsement.

OFFICE OF THE CHIEF OF ORDNANCE,
Washington, October 13, 1903.

1. Respectfully returned to the Chief of Engineers, U.S. Army, with the information that the probable date of completion of the within mentioned carriages is December 1, 1903.

William Cooper
Brig. Gen., Chief of Ordnance.

RECD. OFFICE CHIEF OF ENGRS. OCT 14 1903

3d Indorsement.

WAR DEPARTMENT,
OFFICE OF THE CHIEF OF ENGINEERS,
WASHINGTON.

October 17, 1903.

1. Respectfully returned to Captain Winslow, inviting attention to the 2d Indorsement.
2. To be returned.

By command of Brig. Gen. Gillespie:
Francis V. Allen
Major, Corps of Engineers.

39091
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4th Indorsement.
Engineer Office, U.S. Army,
Norfolk, Va., Oct. 20, 1903.

Respectfully returned to the Chief of Engineers, U.S. Army, as directed in the preceding indorsement.

E. Robert Munton
Captain, Corps of Engineers,
U.S. Army.
1582 F. M.
36 RECD. OFFICE CHIEF OF ENGRS. OCT 21 1903