

Primary Battery File

National Archives, Washington D.C.

Record Group 77

Correspondence of the Chief of Engineers

Entry 103

File, Fort, Battery:

11978

Ft. Monroe

Btty Humphreys

SUBJECT: Estimates for Platforms, Fort Monroe, Va.

United States Engineer Office,

601 Eighteenth Street, N. W.,

Washington, D. C.,

July 20, 1895.

Brig. Gen. W. P. Craighill,

Chief of Engineers, U. S. Army,

Washington, D. C.

General:

In compliance with department letter of May 28, 1895, (11204), I have the honor to submit herewith an itemized estimate of the cost of constructing a platform for a 10-inch service high-power gun mounted on a Crozier-Buffington disappearing carriage, at the batteries at Fort Monroe, Va.

EMPLACEMENTS AT REDOUBT.

Estimated Cost of one Platform.

Filling, 750 cu. yds. sand, @ 50¢	\$ 375
Sheathing for concrete, 11 M ft. lumber @ \$40	440
Concrete American cement, 315 cu. yds. @ \$6	1,890
" Portland " 72 " " " \$10	720
Stone steps, lintels, &c., 113 cu. ft. @ \$3	339
Excavation of concrete now laid, 26 cu. yds. @ \$2	52
16 Anchoring bolts, base ring, @ \$6	96
28 " " traverse circle, @ \$4	112
Setting bolts (with template)	40
Steel I beams, 3,600 lbs. @ 4¢ laid	144
Iron plates for bearing of beams, 750 lbs. @ 4¢	30
3 Cranes @ \$40	120
Drainage (Iron pipe)	80
Iron steps at rear of platform	240
Superintendence and contingencies	468
	<u>\$5,146</u>
Estimated cost of two platforms	\$10,292

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EMPLACEMENT IN SALIENT, PLACE OF ARMS.

Estimated cost of one Platform.

Filling, 520 cu. yds. sand @ 50¢	\$ 260
Sheathing for concrete, 11 M ft. lumber @ \$40	440
Concrete, American cement, 315 cu. yds. @ \$6	1,890
" Portland " 72 " " " \$10	720
Stone steps, lintels, &c., 113 cu. ft. @ \$3	339
Excavation of concrete now laid, 26 cu. yds. @ \$2	52
16 Anchoring bolts, base ring, @ \$6	96
28 " " traverse circle, @ \$4	112
Setting bolts (with template)	40
Steel I beams, 3,600 lbs. @ 4¢ laid	144
Iron plates for bearing of beams, 750 lbs. @ 4¢	30
3 Cranes @ \$40	120
Drainage (Iron pipe)	80
Iron steps at rear of platforms	240
Superintendence and contingencies	457
	<u>\$5,020</u>

RECAPITULATION.

Cost of 2 Platforms, Redoubt, @ \$5,146	\$10,292
" " " 1 " Salient	5,020
Total,	<u>\$15,312</u>

Very respectfully,

Your obedient servant,

Chas. H. Davis

Major, Corps of Engineers.

Through Lieut. Colonel P. C. Hains,

Corps of Engineers, Division Engineer,

Southeast Division, Baltimore, Md.

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WAR DEPARTMENT

20. 1895

Estimate of cost of constructing a
platform for a 10 inch gun at
Fort Monroe, Va.
Total cost for the \$15,312.00
forwarded by Div. Engi
\$15,312.00 as per \$15,312.00 advised,
July 26, 1895.

July 22 1895

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and approval recommended.

W. H. H. H.

Division Engineer, Southeast Division.