

COMPLETION REPORT

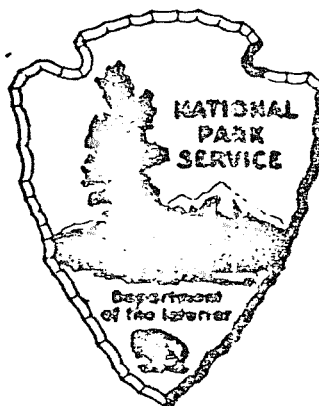
WORK ORDER NO. 3017-7204-404

PHASE I - EXTERIOR RESTORATION  
(work order title)

BUILDINGS 10 AND 10A HARPERS FERRY NATIONAL

HISTORICAL PARK, JEFFERSON COUNTY, WEST VIRGINIA

CONTRACT NO. CX 3000-6-9010



NATIONAL PARK SERVICE  
UNITED STATES DEPARTMENT OF THE INTERIOR



3017-7204-404

6-91-3850-061

1976

COMPOSITION OF COST FOR COMPLETION REPORT

Park

Harpers Ferry National Historical Park

Region

NCP

Location in Park

West side Shenandoah Street between High and Potomac Streets

Work Order Title

Phase I - Exterior Restoration, Buildings 10 and 10A

COMPOSITION OF COST

COSTS CHARGED TO FUNDS ALLOTTED TO FIELD FINANCE OFFICE

- (1) Personal Services.....
- (2) Travel.....
- (3) Contract Work .....
- (4) Supplies and Materials.....
- (5) Other Direct Expenses.....
- (6) Operation of Equipment.....
- (7) Depreciation of Equipment.....
- (8) Purchase of Construction Equipment.....
- (9) Purchase of Other Accountable Equipment .....
- (10) Other Costs: .....

\$

(11) TOTAL COST CHARGED TO FFO FUNDS .....

xxxxxxxxxxx

\$

OTHER COSTS:

(12) PS&S, AP, and/or Facilitating Services @ \_\_\_\_\_ %.....

\$

(13) Inventory and Other Non-Fund Costs .....

(14) GROSS WORK ORDER COSTS .....

xxxxxxxxxxx

\$

LESS:

(15) Residual Value of Construction Equipment on Line 8.....

\$

(16) Other Credits .....

(17) NET COST OF FIXED ASSETS .....

xxxxxxxxxxx

\$

Identify other costs and other credits by line item entry, on an attached schedule, or explain in narrative.

Check One:

HARPERS FERRY NATIONAL HISTORICAL PARK  
(Park)Monthly  
Estimate

X

## LUMP SUM CONTRACT

Final  
Estimate

Accepted 6/14/77

|                                                                                                              |                                                 |                                    |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------|
| ESTIMATE NO.<br>6                                                                                            | FOR (Period)<br>May 25, 1977 thru June 14, 1977 | DATE<br>JUN 20 1977                |
| CONTRACT NO.<br>CX-3000-6-9010                                                                               | COMPLETION DATE<br>April 8, 1977                | EXTENDED DATE<br>June 14, 1977     |
| CONTRACTOR W. Harley Miller, Inc.<br>125 South Church St., P.O. Box 945, West Virginia<br>Martinsburg, 25401 |                                                 | ORIGINAL<br>CONTRACT \$ 163,300.00 |
| PROJECT Phase I - Exterior Restoration,<br>Buildings 10 and 10A, Harpers Ferry NHP                           |                                                 | CHANGE<br>ORDERS* \$ -             |
| LOCATION<br>Jefferson County, West Virginia                                                                  |                                                 | TOTAL<br>CONTRACT \$ 163,300.00    |

| DESCRIPTION                            | COST<br>BREAKDOWN | PERCENT<br>COMPLETE | VALUE      | REMARKS |
|----------------------------------------|-------------------|---------------------|------------|---------|
| 1. Restoration Buildings<br>10 and 10A |                   |                     |            |         |
| Demolition                             | 5,000.00          | 100%                | 5,000.00   |         |
| Building excavation                    | 800.00            | 100%                | 800.00     |         |
| Concrete                               | 5,000.00          | 100%                | 5,000.00   |         |
| Masonry and stone work                 | 42,000.00         | 100%                | 42,000.00  |         |
| Structural and Misc.<br>steel          | 35,500.00         | 100%                | 35,500.00  |         |
| Open web joists                        | 5,000.00          | 100%                | 5,000.00   |         |
| Carpentry                              | 22,000.00         | 100%                | 22,000.00  |         |
| Millwork, Doors and Win-<br>dows       | 16,000.00         | 100%                | 16,000.00  |         |
| Roofing and flashing                   | 10,000.00         | 100%                | 10,000.00  |         |
| Hardware                               | 1,500.00          | 100%                | 1,500.00   |         |
| Glass and glazing                      | 500.00            | 100%                | 500.00     |         |
| Painting and sealants                  | 3,000.00          | 100%                | 3,000.00   |         |
| Clean up                               | 2,000.00          | 100%                | 2,000.00   |         |
| 2. Force Account Work                  | 15,000.00         |                     |            |         |
| Extra Work Order No. 1                 |                   | 100%                | 2,017.99   |         |
| Extra Work Order No. 2                 |                   | 100%                | 1,769.26   |         |
| Extra Work Order No. 3                 |                   | 100%                | 1,183.05   |         |
| Extra Work Order No. 4                 |                   | 100%                | 4,243.11   |         |
| Extra Work Order No. 5                 |                   | 100%                | 468.99     |         |
| TOTAL CONTRACT PRICE                   | \$163,300.00      |                     | 157,982.40 |         |

RECOMMENDED (Project Supervisor)

*Kramer L. Chapman*  
Kramer L. Chapman

SUMMARY

|                         |               |
|-------------------------|---------------|
| TOTAL TO DATE           | \$ 157,982.40 |
| LESS RETAINED AMOUNT    | *7,000.00     |
| NET                     | 150,982.40    |
| LESS PREVIOUS PAYMENTS  | 139,827.07    |
| LESS LIQUIDATED DAMAGES | -             |
| DUE THIS ESTIMATE       | 11,155.33     |
| % COMPLETED TO DATE:    | 100%          |
| *Punch List Items       |               |

APPROVED (Contracting Officer)

*Duane J. Venner*  
Duane J. Venner

DATE

6-20-77

UNITED STATES DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICEHarpers Ferry National Historical Park  
(Park)

Check One:

Monthly  
Estimate☐Final  
Estimate☒

## L U M P S U M C O N T R A C T

|                                                                                                     |                                  |                                   |
|-----------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------|
| ESTIMATE NO.<br>Six                                                                                 | FOR (Period)<br>May 24, 1977     | DATE<br>June 14, 1977             |
| CONTRACT NO.<br>3000-6-9010                                                                         | COMPLETION DATE<br>April 8, 1977 | EXTENDED DATE<br>June 14, 1977    |
| CONTRACTOR W. Harley Miller, Incorporated, P. O. Box 945<br>Martinsburg, West Virginia 25401        |                                  | ORIGINAL<br>CONTRACT \$163,300.00 |
| PROJECT Phase I - Exterior Restoration, Building 10 & 10A<br>Harpers Ferry National Historical Park |                                  | CHANGE<br>ORDERS* \$ 9,682.40     |
| LOCATION Harpers Ferry<br>Jefferson County, West Virginia                                           |                                  | TOTAL<br>CONTRACT \$157,982.40    |

| DESCRIPTION                         | COST<br>BREAKDOWN   | PERCENT<br>COMPLETE | VALUE                   | REMARKS        |
|-------------------------------------|---------------------|---------------------|-------------------------|----------------|
| Original Contract                   | 148,300.00          | 100                 |                         | 163,300.00     |
| Item #2 Force Account Work          | 15,000.00           |                     |                         |                |
| Extra Work Order #1                 |                     | 100                 | 2,017.99                |                |
| Extra Work Order #2                 |                     | 100                 | 1,769.26                |                |
| Extra Work Order #3                 |                     | 100                 | 1,183.05                |                |
| Extra Work Order #4                 |                     | 100                 | 4,243.11                |                |
| Extra Work Order #5                 |                     | 100                 | 468.99                  |                |
|                                     |                     |                     | 9,682.40                | 9,682.40       |
|                                     |                     |                     |                         | 157,982.40     |
| CONTRACT TIME SUMMARY               |                     |                     |                         |                |
| Document                            | Period<br>Cal. Days | Orig.               | Completion<br>Ext. Date | Dates<br>Final |
| Notice To<br>Proceed (10-11-76)     | 180                 | 4-8-77              |                         |                |
| Ext. of Time Letter<br>Dated 6-7-77 | 67                  |                     | 6-14-77                 |                |
| Letter of Acceptance<br>Dated       |                     |                     |                         | 6-14-77        |
| TOTAL CONTRACT PRICE                |                     | 163,300.00          |                         | 157,982.40     |

RECOMMENDED (Project Supervisor)

VT

## SUMMARY

|                              |              |
|------------------------------|--------------|
| TOTAL TO DATE.....           | \$157,982.40 |
| LESS RETAINED AMOUNT.....    | 7,000.00     |
| NET.....                     | 150,982.00   |
| LESS PREVIOUS PAYMENTS.....  | 139,827.07   |
| LESS LIQUIDATED DAMAGES..... | None         |
| DUE THIS ESTIMATE.....       | 11,155.33    |
| % COMPLETED TO DATE:         |              |
| 6-14-77                      | 100%         |

APPROVED (Contracting Officer)

DATE

ATTACH COPY OF FINAL ESTIMATE

NARRATIVE STATEMENT

PHASE I - EXTERIOR RESTORATION, BUILDINGS 10 AND 10A  
(name of project)

WORK ORDER NO. 3017-7204-404

DESCRIPTION OF WORK Principle features of the work included the following:

Exterior restoration of Building #10 to its historic Civil War period

appearance, involving repointing of foundation walls, new front wall

foundations, internal structural steel floor system and bare stud walls.

New front brick wall, new slate roof, new brick section of back wall,

new two story front wood porch, new windows and doors, front sidewalk and  
stabilization of the ruins of 10A.

PLANS AND SPECIFICATIONS for this project were prepared (by the Design  
Office of the [REDACTED] Historic Preservation

Office, Denver Service Center, William Barlow IV, Architect and Beach

Associates of Washington, Structural Designers

STATUS OF AS-CONSTRUCTED DRAWINGS were completed by Howard F. Glifort,

Project Supervisor & Wm. Barlow, IV, Architect DSC June 14, 1977  
(date)

PROJECT ACTIVITIES

Preliminary Surveys were made by Beach Associates and National Park Service

Construction Layout was made by W. Harley Miller, Incorporated

Six bids were received and opened August 24, 1976  
(no.) (date)

Award of Contract No. CX 3000-6-9010 was made to W. Harley  
Miller, Incorporated

for the lump sum price of ONE HUNDRED SIXTY THREE THOUSAND, THREE HUNDRED  
DOLLARS. (\$163,300.00) to carry through to completion all work listed  
above under Description of Work

Notice to Proceed was issued on October 1, 1976 and the  
(date)  
date of October 11, 1976 was established as the first day of  
the contract.

Construction work consisting of providing and installing structural steel,  
rebuild masonry walls, erection of wood interior partitions, windows,  
doors, slate roof and two story front wood porch.

started on October 11, 1976  
(date)

(NOTE: In the following space describe the actual construction work. Include unusual weather, geological and latent conditions encountered; list of subcontractors and what they did; new methods of construction or techniques used; new types equipment used, etc. If the work was ordinary standard construction with nothing unusual, say so and don't elaborate.

For construction projects involving water systems, include:

1. Water right applications, permits and license numbers to the extent they have been obtained.
2. If a well replaces or supplements a surface supply, or if a surface source replaces or supplements a well, or if the point of surface diversion is changed, the effect on existing water rights based on application, permit, license and/or decree will be a part of the report.
3. Name of the water source, available flow, and capacity of diversion works including pumps if not shown on construction plans.)

On February 17, 1976, initial work was started on Building #10 by the Day  
Labor Force consisting of one carpenter and three laborers removing the  
original interior trim work, doors and frames followed by the removal of  
interior partitions. It was then decided that the entire roof and  
framing, rear exterior wall to second floor level, the front exterior  
wall, including foundation and floor structures be demolished. The  
actual labor and material cost for the Day Labor Force from February 17,  
1976 to September 30, 1976 was \$39,630.93.

On October 11, 1976, W. Harley Miller, Incorporated, General Contractor,  
with Kenneth M. Anders as Working Superintendent started the actual

construction work which involved normal standard construction of installing footing and front foundation. Also the installation of internal structural steel and stabilizing the original party walls of Buildings Nos. 9 and 11 and the floor system.

The weather was unusually cold. From December 1976, through February 1977, only eight calendar days were encountered when the highest record temperature was above 40° F creating job conditions impossible for the installation of masonry work.

The following is a list of Sub-Contractors and Suppliers including the specification numbers relating to the work performed:

SUB-CONTRACTORS

MASONRY AND STONE WORK

SPECIFICATION NO.

Bragunier Masonry Contractors, Inc.

04201 & 04520

Route 2, Clear Spring, Maryland 21722

ROOFING AND FLASHING

Tri-State Roofing & Siding, Inc.,

07330-07600

Commonwealth Avenue

P. O. Box 586, Hagerstown, Md. 21740.

PAINTING AND SEALANTS

James J. Smith & Sons, Inc.

09901 - 07951

128 East Madison Street, P. O. Box 282,  
Greencastle, Pennsylvania 17225

GLASS AND GLAZING

Hagerstown Paint & Glass Company

08810

45 West Franklin Street, Hagerstown, Md. 21740 installed glass supplied

by National Park Service

SUPPLIERS

STRUCTURAL AND MISCELLANEOUS STEEL

Cumberland Valley Fabricators, Inc.

05120-05430-05701

Earley Industrial Park, P. O. Box 27

Hagerstown, Maryland 21740

SUPPLIERS (continued)

OPEN WEB JOISTS

SPECIFICATION NO.

Standard Buildings Systems  
c/o J.D.C. Sales, Inc., R.D. #1, Box 281  
Riglersville, Pa. 17307

05213

CARPENTRY AND MILLWORK, DOORS AND WINDOWS

Thorn Lumber Company  
310 N. Raleigh Street  
Martinsburg, West Virginia 25401

06098-08210

HARDWARE

R. D. McKee, Inc.  
339 W. Antietam Street  
Hagerstown, Maryland 21740

08710

Stop Order No. \_\_\_\_\_ was issued effective at the close of business on

\_\_\_\_\_ because of \_\_\_\_\_  
(date)

Work was resumed on \_\_\_\_\_  
(date)

\_\_\_\_\_  
(list additional Stop Orders, if any)

\_\_\_\_\_  
(List extension of time granted, if any) On May 25, 1977, an open time  
extension was granted based on evaluation of Extra Work Orders and on  
June 7, 1977, a letter was issued granting an extension of sixty seven  
calendar days, thus changing completion date from April 8, 1977, to

June 14, 1977. Extra Work Order  
On January 4, 1977, ~~Change Order~~ No. 1 was issued  
(date)

for the purchase of old used brick in lieu of the specified new brick  
(describe Change Order and the reason)

for the rear exterior and side wall, also chimney adjoining Buildings Nos.  
9 and 11. It was the Architect's decision to change the original specified  
brick so that the appearance would appear authentic.

Extra Work

On April 5, 1977, ~~CHANGE~~ Order No. 2 was issued  
(date)

for eight items described below.

(describe Change Order and the reason)

Items 1 & 2. Apply Sisalkraft with 2 ounce copper backing on top and back sides of the new window and door frames for protection against decay and preservative against insects. Item 3. Provide & install six new sets of window sash in lieu of original that were in need of repair. Item 4. Apply two coats of whitewash on exterior west wall to show outline of Bldg. #10A. Item 5. Modifying supplied steel due to change in foundation elevation in Bldg. #9. Items 6 & 7. Revising method of construction & fabrication of gutter & downspouts, also material to meet the authenticity of fabrication. Item 8. Supply one new window frame with Sisalkraft backing which was not originally included in contract.

Extra Work

On April 18, 1977, ~~CHANGE~~ Order No. 3 was issued  
(date)

For miscellaneous items relating to omissions in the original contract  
(describe Change Order and the reason)

drawings. (See enclosure)

Extra Work

On May 19, 1977, ~~Change~~ Order No. 4 was issued  
(date)

Due to revised drawings relating to methods of construction and fabrication  
(describe Change Order and the reason)

of the skylight and ambiguous specifications. ( See enclosure)

On June 8, 1977, Extra Work Order No. 5 was issued

to furnish labor and material for replacement of door frame #102 as per  
revised dimensions due to a revision in restoration.

A prefinal inspection of the work was made on May 17, 1977  
(date)

and the work was found to be substantially completed

Inspection was held by William Barlow IV, Architect and Howard F. Glifort  
Project Supervisor.

All construction was completed on June 10, 1977 and the  
(date)

Final Inspection was made on June 14, 1977  
(date)

No liquidated damages were assessed.

(or)

           days liquidated damages in the amount of \$            per  
day were assessed.

Overruns and Underruns on Contract Bid Schedule

(NOTE: List major overruns and underruns on contract and give reason)

NONE

LIMITS OF PROJECT

(NOTE: Include the following:

1. Utility Systems

- a. Water Systems-to facilitate the preparation of water rights proofs, separate the diversion system including reservoir from the distribution system.
- b. Length, type and sizes of lines.
- c. Size, capacity and type of treatment plants, pumping stations, etc.

2. Roads and Trails

- a. Length, width, and type of road or trail. EXAMPLE: 5.6 Miles, plant mix, surfaced secondary road with 6" crushed stone base and 20 ft. paved width.
- b. Size, in sq.yds. or sq.ft. and capacity of parking areas.
- c. Length of roads, trails and parking areas. Obliterated.

3. Buildings

Number of buildings, the NPS building number, square footage, principal building materials and furnishings, if any.

Building #10 is one of a group of four houses consisting of 2,997 S.F.

The principal building consists of brick manufactured by Victor Cushwa

& Sons laid up in flemish bond and is specially hand made of #104 red

range texture, size 2-1/4" x 4" x 8-5/8". The color range for the

brick is 5% dark, 45% light & 55% medium. The building also consists

of internal structural steel and open web steel joists with a 2 x 4

nailer fastened to same. The first floor decking is of select southern

yellow pine "C" grade, 1-1/2" x 5-1/2" thick, second and third floors are of 3/4" plywood.

The porch framing is of southern yellow pine treated with cca .40 preservative, the railing is of Appalachian yellow poplar, the flooring edge grain southern yellow poplar, siding on gable end of porch roof are of Western red cedar.

The window sills, door, window frames and sash are Appalachian yellow poplar. The six original windows were used on the first and second floors.

All millwork was treated with wood life preservative. All interior framing (partitions) were treated with cca .40 preservative.

The stone was purchased from H. B. Mellott Estate, Inc., McConnellsburg, Pa., with a quarry in Hagerstown, Md. It was sold to Donald Bragunier and it was cut by Mr. John Stone of Stonehurst Quarries, 8101 River Road, Bethesda, Maryland.

The slate was supplied by Buckingham Virginia Slate Company, 410 Fitzhugh Ave., Richmond, Va. 23230. It is genuine Grade A Unfaded Blue Black Slate size 18 x 9 x 1/4.

The stone veneer foundation is of the Harpers Ferry shale stone that was originally in place before demolition by the Day Labor Force.

The mortar mix was one part regular Medusa Portland Gray Type 1 Cement, 1-1/2 parts Corsons Miracle Lime TKT 36715 & 7 parts Mellott bank sand The from Warfordsburg, Pennsylvania.

constructed under this work order (has) or (has not) resulted in a usable unit. (NOTE: If it is not a usable unit, explain.)



# United States Department of the Interior

NATIONAL PARK SERVICE  
HARPERS FERRY NATIONAL HISTORICAL PARK  
HARPERS FERRY, WEST VIRGINIA 25425

IN REPLY REFER TO:  
D52

January 4, 1977

## EXTRA WORK ORDER NO. 1

W. Harley Miller, Incorporated  
P. O. Box 243  
Martinsburg, West Virginia 25401

Gentlemen:

Pursuant to Clause 3, Changes, of the General Provisions of Contract No. CX 3000-6-010 at Harpers Ferry National Historical Park, West Virginia and under specifications Section 0100, Force Account Work, thereof, you are directed to perform the following extra work:

Furnish and install old used brick in lieu of new brick, to be applied to the rear exterior and side walls and chimney adjoining Buildings #9 and #11. This old brick being of the same texture and size of that which is of the existing on Buildings #10 and 10A. The work shall be performed in accordance with the applicable provision of the contract drawings and specifications.

It is understood and agreed that the above described material will be provided for the lump sum price of \$2,017.00, payment for which will be made from the contingent sum for Force Account Work, Schedule I, Item 14.

It is understood and agreed that there will be no time extension for performing work under this extra work order.

Please indicate your acceptance of this Extra Work Order Number 1 by signing, dating and returning the copies to me, retaining the original for your files.

Sincerely, yours,

*Howard F. Clifton*  
Howard F. Clifton  
Project Supervisor

\*\*\*\*\*

Accepted:

|                                 |
|---------------------------------|
| REC'D IN FIELD: <u>3-9-77</u>   |
| SUBMITTED: <u>H. F. Clifton</u> |
| ACTION: <u>Co. Packed</u>       |

By:

*W. Harley Miller*

W. Harley Miller

Title: President

Date: March 7, 1977





# United States Department of the Interior

NATIONAL PARK SERVICE  
HARPERS FERRY NATIONAL HISTORICAL PARK  
HARPERS FERRY, WEST VIRGINIA 25425

IN REPLY REFER TO: D52

April 5, 1977

## EXTRA WORK ORDER NO. 2

W. Harley Miller, Incorporated  
P. O. Box 945  
Martinsburg, West Virginia 25401

Gentlemen:

Pursuant to Clause 3, Changes of the General Provisions of Contract No. CX 3000-6-9010 at Harpers Ferry National Historical Park, West Virginia and under specifications Section 01025, Force Account Work, thereof, you are directed to perform the following extra work:

1. Apply Sisalkraft with 2 ounce copper backing to the tops and both sides of the six (6) new window frames for the above referenced project for the total sum of \$ 125.21 in accordance with your letter dated January 14, 1977.
2. Apply Sisalkraft with 2 ounce copper backing to the tops and both sides of the four (4) new door frames for the total sum 119.27 in accordance with your letter dated January 14, 1977.
3. Provide and install six (6) new sets of window sash in lieu of the original as specified for the total sum of 740.72 in accordance with your letter of February 8, 1977.
4. Apply two (2) coats of whitewash on the west exterior wall to show the outline of Building 10A as shown on revised drawing 8A for the total sum of 292.00 in accordance with memorandum dated January 14, 1977.
5. Due to the change in elevation in Building No. 9, modifying supplied steel, you are authorized to proceed for the additional cost of 96.05
6. Due to revising the method of construction and fabrication of gutters and down spouts, you are authorized to proceed for the additional lump sum of 147.55



EXTRA WORK ORDER NO. 2 (continued)

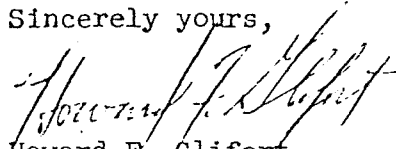
7. In accordance with request dated March 8, 1977, you are hereby authorized to change the down spout material from 24 gauge galvanized to 24 gauge lead coated copper for the lump sum price of \$ 61.44
8. In accordance with request at Progress Meeting March 8, 1977, you are authorized to provide one (1) new window frame with sisalkraft backing for the lump sum price of 187.02

It is understood and agreed that the above described work and material will be provided for the total lump sum price of \$1,769.26 payment for which will be made from the contingent sum of Force Account Work, Schedule 1, Item 14.

It is understood and agreed that there will be no time extension for performing work under this extra work order.

Please indicate your acceptance of this Extra Work Order Number 2 by signing, dating and returning the copies to me, retaining the original for your files.

Sincerely yours,

  
Howard F. Glifort  
Project Supervisor

HFG:bjg

\*\*\*\*\*

Accepted: -

By:

Title:

Date:

J. J. Stanley Miller  
President  
4-15-77



# United States Department of the Interior

NATIONAL PARK SERVICE  
HARPERS FERRY NATIONAL HISTORICAL PARK  
HARPERS FERRY, WEST VIRGINIA 25425

IN REPLY REFER TO:

D52

April 18, 1977

EXTRA WORK ORDER NO. 3

W. Harley Miller, Incorporated  
P. O. Box 945  
Martinsburg, West Virginia 25401

Gentlemen:

Pursuant to Clause 3, Changes, of the General Provisions of Contract No. CX 3000-6-9010 at Harpers Ferry National Historical Park, West Virginia and under specifications Section 01025, Force Account Work, thereof, you are directed to perform the following extra work:

- |                                                                                                                                                                                                                                      |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| (1) Furnish and install four (4) steel angle lintels on the west wall at the windows on third floor for the lump sum price of                                                                                                        | \$ 63.84 |
| (2) Furnish labor and material to complete the porch gable ends for the lump sum price of                                                                                                                                            | 440.63   |
| (3) Furnish five (5) wall anchor plates with bolt and nut to be installed in the west wall at the third floor level for the lump sum price of                                                                                        | 56.56    |
| (4) Furnish labor and material to plow out the top head section, treat with Pentachlorophenol and apply 2 ounce Copper Sisalkraft to the eight (8) original window frames for the above referenced project for the lump sum price of | 550.79   |
| (5) Furnish labor to correct window frames 103 and 104 to proper size for the lump sum price of                                                                                                                                      | 71.23    |

It is understood and agreed that the above described labor and material will be provided for the total lump sum price of \$1,183.05 payment for which will be made from the contingent sum for Force Account Work, Schedule I, Item 14.

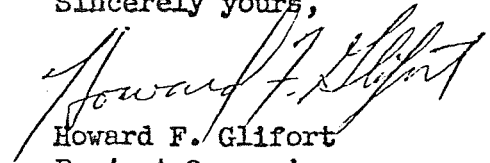
It is understood and agreed that there will be no time extension for performing work under this extra work order.



EXTRA WORK ORDER NO. 3 (continued)

Please indicate your acceptance of this Extra Work Order Number 3 by signing, dating and returning the copies to me, retaining the original for your files.

Sincerely yours,



Howard F. Glifort  
Project Supervisor

HFG:bjg

\*\*\*\*\*

Accepted: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



# United States Department of the Interior

NATIONAL PARK SERVICE  
HARPERS FERRY NATIONAL HISTORICAL PARK  
HARPERS FERRY, WEST VIRGINIA 25425

IN REPLY REFER TO:

D52

May 19, 1977

EXTRA WORK ORDER NO. 4

W. Harley Miller, Incorporated  
P. O. Box 945  
Martinsburg, West Virginia 25401

Gentlemen:

Pursuant to Clause 3, Changes, of the General Provisions of Contract No. CX 3000-6-9010 at Harpers Ferry National Historical Park, West Virginia and under specifications Section 01025, Force Account Work, thereof, you are directed to perform the following extra work:

- (1) Furnish to the job site 2,830 B. F. of 1-1/2" x 5-1/2" net size not treated tongue and grooved, not end matched "C" and better grade yellow pine flooring for the sum of \$2,050.61
- (2) Due to revised method of construction and fabrication of the skylight as per SK Drawing No. 22A, you are authorized to proceed for the additional lump sum of 547.23
- (3) Furnish labor and material for a small casement window as per revised Drawing 8A and per detail SK 2 for the lump sum price of 444.58
- (4) As per directed at Progress Meeting #9, 4-5-77, staircase stringer is to be repaired on a time and material basis for the lump sum price of 41.64
- (5) In accordance with request of letter dated 4-6-77, you are hereby authorized to proceed to install the reinforced concrete slab and gravel bed in compliance with Sheet #5, contract drawings of the sidewalk for the lump sum price of 1,187.05

Page 1 of 2



EXTRA WORK ORDER NO. 4 (continued)

It is understood and agreed that the above described labor and material will be provided for the total lump sum price of \$4,271.11 payment for which will be made from the contingent sum for Force Account Work, Schedule I, Item 14.

In accordance with your letter of May 3, 1977, we are pleased to accept a credit of - 28.00 for the allowance of 8" concrete block in lieu of the 6" block.

\$4,243.11

It is understood and agreed that there will be no time extension for performing work under this extra work order.

Please indicate your acceptance of this Extra Work Order Number 4 by signing, dating and returning the copies to me, retaining the original for your files.

Sincerely yours,



Howard F. Glifort  
Project Supervisor

HFG:bjg

\*\*\*\*\*

Accepted:

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



# United States Department of the Interior

NATIONAL PARK SERVICE  
HARPERS FERRY NATIONAL HISTORICAL PARK  
HARPERS FERRY, WEST VIRGINIA 25425

June 8, 1977

IN REPLY REFER TO:  
D52

## EXTRA WORK ORDER NO. 5

W. Harley Miller, Incorporated  
P. O. Box 945  
Martinsburg, West Virginia 25401

Gentlemen:

Pursuant to Clause 3, Changes, of the General Provisions of Contract No. CX 3000-6-9010 at Harpers Ferry National Historical Park, West Virginia and under specifications Section 01025, Force Account Work, thereof, you are directed to perform the following extra work:

- (1) Furnish labor and material for replacement of door frame #102 as per revised dimensions, 1'-8-3/4" x 6'-10" for the lump sum price of payment for which will be made from the contingent sum for Force Account Work Schedule I, Item 14.

\$468.99

It is understood and agreed that there will be no time extension for performing work under this extra work order.

Please indicate your acceptance of this Extra Work Order Number 5 by signing, dating and returning the copies to me, retaining the original for your files.

Sincerely yours,

*Howard F. Glifort*  
Howard F. Glifort  
Project Supervisor

HFG:bjg

\*\*\*\*\*

Accepted:

By:

*W. Harley Miller*

Title: W. Harley Miller  
President

Date: June 14, 1977



W. J. B. 16 Nov 76

NO.

HEADING B1

- 1-SGL Door D1 exterior to area B2 LH  
3'10" x 6'0" x 1 3/4" WD X WF  
2 3/4" 7/8"
- 1-PR Hinges Cast iron 4" w/concealed pins  
1-Vertical rim lock 4" wide x 6" high  
C-X90-F32 knobs LH x Bit key interior side  
1-Best rim cylinder to suit US19 exterior side

HEADING 100

- 1-SGL Door 101 exterior to area 101 RH  
2'11" x 8'3/4" x 1 3/4" WD X WF  
3'0" 4 1/2"
- 1-PR Hinges Cast iron 4" w/concealed pins  
1-Vertical rim lock 4" wide 6" high  
C-X90-F32 knobs RH x Bit key interior side  
1-Best rim cylinder to suit US19 exterior side

HEADING 101

- 1-SGL Door 102 exterior to area 101 LH  
2'6" x 7'5" x 1 3/8" WD X WF  
7" 6" 11" 4
- 1-PR Hinges Cast iron 4" w/concealed pins  
1-Vertical rim lock 4" wide x 6" high  
C-X90-F32 knobs LH x Bit key interior side  
1-Best rim cylinder to suit US19 exterior side

HEADING 200

- 1-SGL Door D201 Proch to area 203 RH  
2'11" x 8'3/4" x 1 3/4" WD X WF  
3'0" 4 1/2"
- 1-PR Cast iron Hinges 4" w/concealed pins  
1-Vertical rim lock 4" wide x 6" high  
C-X90-F32 knobs RH x Bit key interior side  
1-Best rim cylinder to suit US19 exterior side

HEADING W1

- 4-Shutter Windows
- 4-Shutter bolts C-X1224-12"
- 4-PR Shutter Hold backs C-X1231 with type A mount
- 8-Shutter pull rings with C finish

# NATIONAL PARK SERVICE

APPROVAL OF THIS SUBMITTAL IS SUBJECT TO THE PROVISIONS OF THE CONTRACT DOCUMENTS AND SPECIFICATIONS. THIS ACTION IS FOR GENERAL CONCURRENCE ONLY AND THE GOVERNMENT IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS.

- ☐ APPROVED
- ☒ APPROVED WITH NOTATIONS INDICATED  
RESUBMITTAL NOT REQUIRED
- ☐ APPROVED WITH NOTATIONS INDICATED  
RESUBMIT WITH CORRECTIONS
- ☐ DISAPPROVED, RESUBMIT

CONTRACTING OFFICER OR AUTHORIZED REPRESENTATIVE

DATE

*W. P. ...*  
SUBMITTED BY

*16 Nov 76*  
DATE

RECEIVED  
NOV 5 1976

HARLEY M. ...  
GENERAL CONTRACTOR



TRI-STATE ROOFING & SIDING, INC.

GUARANTEE

Issued To: National Park Service, Harpers Ferry National Historical Parks

LOCATION Jefferson County, West Virginia

STREET ADDRESS

CITY AND STATE

ZIP CODE

JOB Contract No. Cx-3000-69010 Phase 1, Exterior Restoration Building 10

**We Guarantee** all materials and workmanship furnished by us in application of above roof against any defects of workmanship or material for a period of five years from date of completion thereof. In the event of defects in workmanship or material, we shall be promptly notified and after such notice, if repairs be needed because of fault of workmanship or material, such repairs will be made during the life of this guarantee without charge, but should such repairs be needed through no fault of material or workmanship, charges will be made for inspection and repairs made. This guaranty is limited to workmanship and material and shall not apply to defects caused by improper construction of the building or base upon which the roof is laid. Nothing in this guaranty shall be construed to cover any damages to the building or contents thereof.

The owner of said roof shall notify Tri-State Roofing & Siding, Inc. in writing immediately upon having knowledge that repairs to said roof are necessary.

This guarantee shall terminate automatically in the event that any addition, alteration, opening or repair is made to or in the roof by any other concern without written authority of Tri-State Roofing & Siding, Inc.

Tri-State Roofing & Siding, Inc. shall not be under any responsibility or liability whatsoever to make repairs occasioned by injury to said roof caused wholly or in part by windstorm, cyclone, tornado, hurricane, lightning, hail or any other casualty, or by reason of defects in or cracking of the roof deck, or failure of roof insulation over which the roof is applied, or movement of any metal work, or by reason of weakness or defects in the walls, copings, or other parts of the building to which the roof is applied or occasioned in any other way than by ordinary wear and tear by the elements.

Date of Completion June 13, 1977 Issued this 17th day of June 1977

Note; This guarantee also covers the sheet metal work in conjunction with the roofing for a period of two years.

TRI-STATE ROOFING & SIDING, INC.

COMMONWEALTH AVENUE HAGERSTOWN, MARYLAND

By

SIGNATURE OF COMPANY REPRESENTATIVE

Harold E. Talhelm, Pres.

# REVERE

COPPER AND BRASS INCORPORATED



P.O. Box 151  
ROME, N. Y. 13440  
315-338-2022

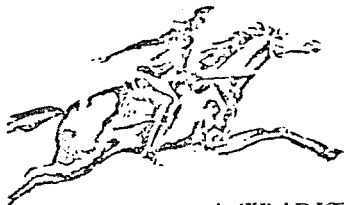
## CERTIFICATE OF CONFORMANCE

We hereby certify that the Lead Coated Copper Sheet furnished the Lyon Conklin Co. Inc., against their purchase order 4266B was fabricated by a process to assure conformance, as appropriate, to the current issues of ASTM B152, B37 and B101.

BY:

*Renald E. Sagoni*

Asst. Metallurgical Manager  
Revere Copper and Brass Incorporated  
Rome Division



★ A TRADITION OF METAL CRAFTSMANSHIP IN COPPER... BRASS... ALUMINUM ★



# VICTOR CUSHWA & SONS

MANUFACTURERS OF CALVERT (SAND MOLD) COLONIAL BRICK

WILLIAMSPORT, MARYLAND 21795

June 13, 1977

National Park System  
Harpers Ferry National Park  
Shenandoah St.  
Harpers Ferry, W. Va.  
Project #3850-0976

RE: BLDNG. #10 - PROJECT # 3850-0976

Gentlemen:

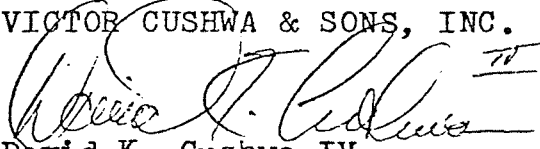
As per your request, we are pleased to verify the following information about the brick used on the above project as furnished by Victor Cushwa & Sons, Inc. of Williamsport, Md.:

Brick: Calvert Special Hand Made #104 Red Range  
Texture: Hand Made with Tight Corners as per samples  
Size:  $2\frac{1}{4}$  " x 4" x 8  $\frac{5}{8}$ " - Special Size

We also hereby certify that the brick furnished on the above job meet ASTM Spec. C-216, Type FBS, Grade SW. This is not to say that these brick will only meet this spec, but in most cases will exceed the said limits.

Very truly yours,

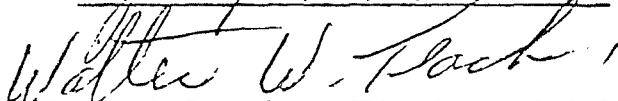
VICTOR CUSHWA & SONS, INC.

  
David K. Cushwa IV  
Sales Manager

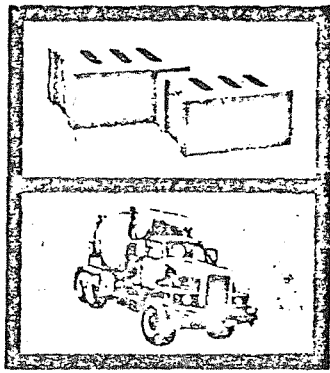
DKCIV/s

Sworn before me this 13 day of June 1977.

My commission expires July 1, 1978

  
\_\_\_\_\_  
Notary Public

Notary Public



THE HAGERSTOWN BLOCK COMPANY

THE HUB CITY MIX

October 8, 1976

Pragunier Masonry Cont.  
Clearspring, Maryland 21722

Re:  
Harpers Ferry National Historical  
Park

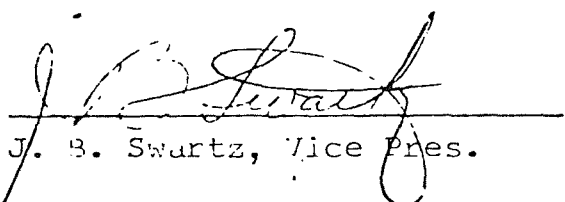
Gentlemen:

This is to certify that the concrete masonry units  
Manufactured by our company comply with the following  
ASTM Specifications:

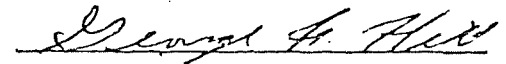
- C 55-71 Concrete Building Bricks
- C 90-70 Hollow load-bearing concrete masonry
- C 129-71 Hollow non-load bearing concrete masonry
- C 145-71 Solid load-bearing concrete masonry

Note: Our light weight units contain expanded shale supplied  
by Lehigh Portland Cement Co.

Very truly yours,  
THE HAGERSTOWN BLOCK COMPANY

  
J. B. Swartz, Vice Pres.

In witness whereof I hereunto set my hand and official seal.

  
George F. Hill

My commission expires July 1, 1978

jbs/jb



# James G. Smith & Sons, Inc.

INTERIOR AND EXTERIOR DECORATING

BOX 282 OR 128 EAST MADISON STREET

GREENCASTLE, PENNSYLVANIA 17225

PHONE 597-7446

June 17, 1977

W Harley Miller, Inc  
125 South Church Street  
Martinsburg, W Va 25401

RE: Exterior Restoration Bldgs 10 & 10A  
Harpers Ferry National Historical Park

Gentlemen,

Please find listed below the matches for the Munsell Colors as per your request.

Munsell Color # 5Y9/1-13099 Off-White

Matched using PPG 6-20 Exterior Wood Finish  
Formula is for 1 gallon of paint  
Universal Tint:

A-2

C-9

L-8

O-2

Munsell Color # 10Y3/4-10283 Green

Matched using the following intermixture of PPG paints

3 pints 1-338 Kentucky Green

1 pint 54-301 Banner Red

1 pint 1-344 Seal Brown

1 Pint 1-68 Avocado Leaf

2-3/4 pints-54-302 Brilliant Yellow

Then the following universal tints were added:

L-1Y + 12

S-18

F-6

R-6

A-36

In the event the Park Service wishes to match either of the above colors, it would be wise to contact the PPG Industries store on 1303 Dual Highway in Hagerstown, Maryland to obtain the best possible match.

Sincerely yours, \_



INDUSTRIES

1303 Dual Highway  
Hagerstown, Md. 21740

W. Harley Miller, Inc.  
P.O. Box 945  
Martinsburg, W. Va. 25401  
Attn. James W. Dailey II

October 29, 1976

Re: Contract No. CX-3000-6-9010,  
Exterior Restoration Buildings  
10 and 10A

Mr. Dailey,

We wish to submit for approval The Tremco Manufacturing Company, Mono one-part acrylic terpolymer sealant which conforms to Government Specification TT-S-230 as required. WH, Te

cc. J.J. Smith & Sons, Inc.

Sincerely,

Harold L. Phillips  
Manager

# Thorn Lumber Company

LUMBER, BUILDING MATERIAL, PAINT, GLASS, BUILDERS' HARDWARE  
MILL WORK, COAL, TRANSIT-MIX CONCRETE AND WOOD TREATING

Martinsburg, West Va. 25401

June 27, 1977

W. Harley Miller, Inc.  
P. O. Box 945  
Martinsburg, West Virginia 25401

Gentlemen:

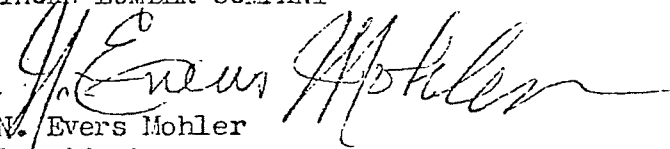
The framing lumber which we furnished to W. Harley Miller, Inc.  
for use at the Harpers Ferry National Park Service job was as  
follows:

- 1 - Lumber was #2&Better Southern Y. P.
- 2 - Lumber was treated with .40 Chromated  
Copper Arsenic
- 3 - Treatment was done by the Koppers Co., Inc.  
and the F. Bowie Smith Co. located in Baltimore, MD

Thanking you, we are

Very truly yours,

THORN LUMBER COMPANY

  
N. Evers Mohler  
President

NEM/sjs