

# SCOPE / STATEMENT OF WORK (SOW)

SOLICITATION: TBD

## REPOINT AND RECONSTRUCT BRICK BOUNDARY WALLS AT FREDERICKSBURG NATIONAL CEMETERY

FRSP PMIS 305027



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NATIONAL PARK SERVICE  
Historic Architecture, Conservation, and Engineering / PFCA  
Interior Region 1, North Atlantic – Appalachian

<b>Scope / Statement of Work</b>	
Task Order / Project Title:	<b>Repoint and Reconstruct Brick Boundary Walls at Fredericksburg National Cemetery</b>
Park / Park Unit:	<b>Fredericksburg and Spotsylvania National Military Park</b>
Task Order #:	<b>TBD</b>
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Date:	<b>12/01/2022</b>

## 1.0 PROJECT DESCRIPTION / SUMMARY

The work of this project will impact an historic site and landscape. The primary work includes, but is not limited to, repairing, repointing and/or rebuilding portions of the brick masonry boundary wall surrounding the Fredericksburg National Cemetery, which occupies approximately 12 acres of historic battlefield and contains the internments of over 15,000 veterans. This is the third phase of repointing/reconstruction of the boundary wall. While Phase 1 included full reconstruction of just ten badly deteriorated panels, Phase 2 comprised a hybrid scope of repair, repointing and reconstruction of piers and/or panels; Phase 3 also combines repair, repointing and reconstruction, as needed. The design intent and preservation mandate is to preserve as much historic material as possible.

The existing boundary wall included in the current project (45 panels and associated piers) totals approximately 1,015 feet long, presenting a total exposed surface area of approximately 8,840 square feet. The scope of work covers mortared brick wall panels, plinths, cornices, copings and piers. At the northeast quadrant, some panels traverse steep slopes, while others serve as retaining walls.



Fredericksburg National Cemetery North Boundary Wall, Exterior Face, August 2022.



Cemetery Boundary Wall, Northeast Quadrant, Interior Face, August 2022.



Cemetery Boundary Wall, Northeast Corner, Exterior Face, August 2022.



Cemetery Boundary/Retaining Wall Facing Sunken Road (Exterior Face), August 2022.

## **2.0 OBJECTIVES**

This project will repair, repoint and/or reconstruct front and rear faces of forty-five (45) different boundary wall panels, including corbeled bases, recessed panels, pilasters, cornices, copings and piers, as follows:

- Repair, repointing and/or partial or total reconstruction of interior and exterior sides of thirty-six (36) cemetery boundary wall sections designated as Panels 94-101, 105, 107-126, 132 and 136-141.
- Reconstruction of panels and piers (or panels only in some cases) for nine (9) cemetery boundary wall sections designated as Panels 102, 106, 133, 134, 135, 142, 143, 144 and 145.

The extent of effort on each portion of each section varies by its respective existing condition and, accordingly, the scope of work is intended to preserve as much historic fabric as possible.

## **3.0 BACKGROUND**

The Project Site includes the vast majority of existing boundary wall enclosing Fredericksburg National Cemetery. This site and thirteen other national cemeteries represent a continuum of use dating to a period before the establishment of the historical parks which they now inhabit. The cemeteries are administered to preserve the historic character, uniqueness and solemn nature of both the cemeteries and the historical parks of which they are a part.

Because of the historic nature of the site, certain aspects of the Work may not be carried out with the materials and/or methods commonplace in the modern construction industry. It is incumbent upon the Contractor to furnish mechanics who can and will execute first-class workmanship in the materials and methods specified, and who will take all necessary precautions to protect the elements of this historic site.

The Project site includes a residence, garage and other support facilities closed to the public but occupied and used by staff. The Government will occupy the premises during the entire construction period.



Google Earth 3D view of Fredericksburg National Cemetery, from the northeast, 2017.

## **4.0 SPECIFIC WORK / TASKS**

### **A. GENERAL:**

1. General clearing and removal of leaf mulch and site debris adjacent to boundary wall panels and adjacent piers, at interior and exterior faces, if and as required to properly execute the repair/repointing and/or reconstruction work at the subject panels.
2. Detailed documentation (via photography and shop drawings) of brick masonry at all existing boundary wall panels and adjacent piers, including interior and exterior faces, cornices and coping.
3. Protection of all graves, monuments and markers in and adjacent to work areas.
4. Protection of iron and steel gate hardware and other adjacent construction.
5. Supply and installation of custom-fabricated lime putty mortar mix.
6. Supply and installation of clay brick, custom-manufactured in standard sizes (for panels) and special shapes (for pier caps) to match original, historic masonry.
7. Incidental repair, resetting and repointing at portions of existing brick piers (and pier bases) immediately adjacent to panels to be reconstructed, including assemblies cracked, offset or damaged during panel deconstruction and reconstruction.

B. **BASE BID:** Repair, repointing and/or partial or total reconstruction of interior and exterior sides of forty-five (45) cemetery boundary wall sections designated on prior project drawings as Panels 94-102, 105-126, and 132-145.

1. Deconstruction of nine (9) boundary wall panel (and adjacent piers, where indicated), and salvage and delivery of sound and undamaged brick units to the Park's local maintenance facility. Includes panels 102, 106, 133-135 and 142-145.
2. Reconstruction of nine (9) boundary wall panel (and adjacent piers, where indicated), and salvage and delivery of sound and undamaged brick units to the Park's local maintenance facility. Includes panels 102, 106, 133-135 and 142-145.
3. Repair and repointing of thirty-six (36) panels, including various combinations of the following tasks:
  - a. Removal of biological growth: approximately 2,825 sf
  - b. Replacement of missing and spalled bricks with new bricks and mortar – approximately 240 Units
  - c. Resetting and/or rebuilding of offset and/or failed brick assemblies within existing panels and piers – approximately 265 sf
  - d. Raking out and Repointing:  
Interior Face: approximately 191 sf  
Exterior Face: approximately 615 sf  
Rowlock and Piers: approximately 185 sf
4. Clearing of Debris and Mulch and Panel Locations
5. Minor Hand-Grading and Seeding at Impacted Areas

## **5.0 GOVERNMENT-FURNISHED EQUIPMENT / MATERIALS / OTHER**

- a. There is no government-furnished equipment or materials for this requirement.

## **6.0 SPECIAL CONDITIONS / REQUIREMENTS**

- a. All Park visitors are encouraged to conduct themselves in a manner befitting the solemn and dignified nature of the national cemeteries. Regulations in 36 CFR parts 2, 5 and 12 prohibit littering, disturbing or damaging natural and cultural resources, engaging in recreational activities, engaging in disorderly activities and engaging in commercial activities.

- b. The contractor shall conduct his/her operations in conformance with the rules and regulations promulgated by the Secretary of the Interior for the National Park Service, and applicable park rules and regulations prescribed by NPS Director's Order #61 and by the Park Superintendent.
- c. No signs or advertisements (except those specified herein) shall be displayed on the construction site or within the park unless approved by the Government.

## **7.0 PLACE OF PERFORMANCE**

- a. Fredericksburg & Spotsylvania National Military Park, VA
- b. Fredericksburg National Cemetery, Fredericksburg, VA
- c. Brick cemetery boundary walls (panels and piers, interior and exterior faces)

## **8.0 PERFORMANCE PERIOD / SCHEDULE REQUIREMENTS**

- a. All on-site work must be completed between **TBD, 2023 and TBD, 2023**.
- b. Work Hours: Work shall be generally performed during normal business working hours of 7:00 am to 3:30 pm, Monday through Friday, except when otherwise indicated. Early-morning work is not allowed. Work on Saturdays, Sundays, Federal holidays or at night may not be performed without prior consent from the Government.
- c. Special Events: The Park holds special events every year. If a scheduled special event is required to occupy space within any part of the Project Area, the Contracting Officer will coordinate with the Contractor to minimize impact on the Work and avoid delays.