

**Kennesaw Mountain National Battlefield Park
(KEMO)
Marietta, GA**

STATEMENT OF WORK:
Replace Entry Gate at KEMO

PMIS: 325507A

DATED:
May 27, 2022

Prepared By: Ladrick Downie



NATIONAL PARK SERVICE
SOUTHEAST REGION
EAST MAJOR ACQUISITION BUYING OFFICE

Statement of Work (SOW) For Replacing Entry Gate at KEMO

1. Background:

The Kennesaw Mountain National Battlefield Visitor Center entrance gate is constructed of a stone pillar decorative entry way with a double gate that remains open during operational hours. The current gate system is operated with a powered motor and keypad. The power supply is inconsistent. The gates require continuous maintenance, and the hinge failure is such that they cannot be reattached. The gate is secured to the stone cladding of the decorative entry pillars with ½ inch steel plate. The connections and the movements from the gates have caused stress cracks and fractures in mortar and stones from the continuous movement of the gate.

2. Objectives:

This contract is to install a motorized gate system with keypad entry and connect gate mechanism to power supply that will open and close according to the hours of the park and operations.

Site visits to this facility is highly recommended prior to proposal submission. Site visits is available Monday to Friday 8AM – 4pm

3. Place of Performance:

Work will be completed at: Kennesaw Mountain National Battlefield Park.

4. Period of Performance:

All tasks for this contract must be completed within 120 days after the start date on the Notice to Proceed. Days listed herein refer to calendar days.

The services and construction work in this RFP shall be completed in accordance with the following schedule:

- There will be a Pre-Construction Meeting after award of the contract and prior to start of any actual contractual services, the CO/COR will arrange meeting (either on-site or via tele-conference, CO/COR's discretion) with the key members of Contractor's staff and NPS Southeast Regional Office (SERO). The meeting agenda shall include the following as a minimum:
 - Introduction of key contractual representatives of the design team and NPS and contact info
 - Roles, responsibilities, and lines of authority of key personnel
 - Correspondence procedures
 - Park Rules and Regulations
 - Access requirements of the park
 - Rules of the road, housekeeping, alcohol use, firearms, and pets,
 - Submittals and Modifications during design
 - Submittals and Request for Information (RFI) process
 - Progress Payments to the contractor
 - Other business and requirements relating to work

5. Scope:

The project consists of performing necessary design, electrical, finishing work, painting, fabrication, metal work, masonry work and installation to complete the aforementioned objectives and tasks outlined below.

6. Tasks:

Demolition

- Vendor shall Conduct demolition and debris removal operations in such a way to ensure minimum interference with park operations. Ensure safe passage of vehicles and people around demolition areas. Roads and walkways may not be closed without written permission from the park.
 - Vendor shall protect existing site improvements, appurtenances, utilities, and landscaping to remain.
 - Vendor shall limit the spread of dirt and dust with the use of water mist, temporary enclosures, or other suitable measures.
 - Vendor shall promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site. **Demolition materials must be cleared from the site daily.** Except for items to be reused, salvaged, or otherwise indicated to remain the Owner's property and demolished materials and waste shall become the Vendor's property and shall be removed from the site for further disposition at the Vendor's option.
- Replacement shall be in the same location and of the same dimensions as the existing. Vendor shall follow all International Building Code requirements, local and state building code, NFPA code requirements, ABA requirements, etc.
 - New pillars (if needed) shall be steel reinforced cast-in-place concrete clad in brick.
 - Gate mounting and motor mounting points shall be set in the cast-in-place concrete in a manner that prevents movement over time and is rated for the weight of the gate and the opening/closing forces of the gate motors.

Furnish Electrical Service

- Vendor shall furnish material and workmanship conforming to the standards of the National Electrical Code (NEC), Article 250, local safety code, UL, and the National Electrical Manufacturers Association (NEMA) necessary to connect motorized gate system to public utility.
- Vendor shall obtain permits, arrange for inspections, and pay fees necessary to obtain electrical service.
- Vendor shall locate service line in consultation with the park.
- Electrical service shall be installed inside 2" conduit. The conduit can be installed through directional drilling or through trenching. Conduit can be NEMA approved HDPE or schedule 40 conduits.

Motorized Gate & Control System

- Vendor will fabricate or purchase a new set of steel swing gates per the attached standard detail. Size, orientation, function, etc. must be identical to the existing gates.
 - Vendor shall install metal gates and fittings to gate post attachment previously set in brick pillars. Firmly attach the fittings to the posts and gates. Hinge each single gate to prevent removal of the gate without tools. Set gate to prevent sag over time.

- Set gate in a horizontal plane. Set gate so it swings freely inward and outward and fastens securely its latch holder and gate stops. Set double gates and their respective pintles to provide a common horizontal plane in which each single gate swings. Set gates to swing open at least 90 degrees in each direction
 - Vendor shall install mechanism to prevent the gate from inadvertent closing.
- Vendor will provide least maintenance required finish based on product choice – powder coated metal versus painted metal
 - Benjamin Moore – Black Bean Soup paint code
 - Semi – gloss black rivets and bolt heads
 - If necessary, vendor shall enlarge the existing foundation to meet the requirements to provide required rigidity to prevent sag or failure in the gate staying erect
- Vendor shall install motorized gate opener that is weight rated for the specific task of opening and closing the gate supplied above. System shall include keypad control mechanism and three (3) push button remote openers.
 - Gate system shall be programable and capable of independent programming for entry and exit lanes. Vendor shall program the gate to open and close in time with park operations prior to completion.
 - Vendor shall install system and programming capable of opening closed gate for patrons that were locked in behind the locked gate. System shall be capable of manual opening by visitors and subsequent automatic closure. Vendor may reuse existing pressure plate or install other appropriate technology.
 - Vendor shall coordinate with all local law enforcement and emergency response agencies to provide emergency access.
- Vendor shall install necessary signage and road markings to ensure visitors are aware of where to stop when approaching the closed gate.
- Vendor shall conceal service elements from view to the greatest extent possible, with exposed portions of simple, neutral design, color, and texture.
- Vendor shall deliver manufacturer's warranties, guarantees, instruction sheets, and parts lists at the final inspection.

Invasive Species Protection

Maintenance and construction services in National Parks require vendors to bring vehicles, equipment, and tools into parks. Many vendors work across vast geographic areas, consequently it is possible for seeds and spores to be transported into parks potentially allowing invasive and nonnative plant, fungi, and invertebrate (bugs) species to become established in new areas.

- Vendor shall ensure that all wheeled equipment and landscape tools (including hand tools) are power washed off-site immediately prior to transport to the park to ensure removal of all sources of invasive species (seeds, spores, eggs, etc.).
 - For further information see Vehicle Cleaning Technology for Controlling the Spread of Noxious Weeds and Invasive Species.
- Vendor shall provide and follow tree and landscape protection plan. All trees shall be protected to their dripline by plainly visible snow fence. **LANDSCAPE AND TREE PROTECTION SHALL BE STRICTLY ENFORCED.**
 - Tree protection fences are to remain until ALL site work has been completed and approved. Fences may NOT be relocated or removed without the written

permission of the CO/COR. Protect existing trees scheduled to remain against injury or damage, including cutting, breaking, or skinning for roots, trunks, or branches; smothering by stockpiled materials, excavated materials or vehicular traffic within construction area.

- Construction materials and equipment must always remain outside tree protection areas. No materials, equipment, spoil, waste, or washout water may be deposited, stored or parked within the tree protection zone (fenced area). This includes dumping and burial of debris, ashes, garbage, and construction waste.
- Tree pruning required for clearance during construction must be performed by a certified arborist and NOT by construction personnel.
- All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be tunneled or bored under the tree.
- If injury should occur to any tree during construction, it should be evaluated as soon as possible by the CO/COR on the same day as damage occurred.
- Before grading, pad preparation, or excavation for foundations, footings, walls or trenching, trees shall be root pruned 1 foot outside of the tree protection zone by cutting roots cleanly to a depth of 24 inches. Roots shall be cut by manually digging a trench and cutting exposed roots with a saw, vibrating knife, rock saw, narrow trencher with sharp blades, or other root pruning equipment approved by the CO/COR. Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw. (Related sections: Remove and Replace Gates, Invasive Species Protection).

Clean-up, Repairs and Site Restoration

- Excess and waste materials shall be removed daily during construction.
- Vendor shall repair any damage to existing landscape, paving, or other such feature as a result of the work related to this contract to its original condition at no additional cost to the owner.

7. Deliverables:

- Provide written plans, specs construction cost estimate, and construction schedule prior to beginning on-site work.
- Provide one-year warranty of all work.

8. Government-Furnished Property, Material, Equipment, or Information (GFP, GFM, GFE, or GFI):

The National Park Service - KEMO will designate a Vendor Staging Area. No government property or equipment will be furnished to the vendor.

9. Security:

All work must coincide with normal park operating hours and comply with the Cobb County Noise Ordinance. No work is permitted outside of normal operations without the express advance written permission of the CO/COR

10. Travel:

All travel will be according to Federal Travel Regulations.

11. Special Material Requirements: N/A**12. Other Unique Requirements:**

Visitor safety is of paramount concern. Close coordination with the park and CO/COTR is essential for visitor enjoyment and safety. Barricades, cones, flaggers, etc. and all safety equipment must be in place prior to the start of work and during all work on site. The contractor is responsible for managing traffic control throughout the working period utilizing flaggers and signage according to the Federal Highways Manual for Uniform Traffic Control Devices (MUTCD)

13. Quality Assurance Requirement:

The vendor shall develop and maintain a quality program to ensure services are performed in accordance with commonly accepted commercial practices. The vendor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services. As a minimum the vendor shall develop quality control procedures addressing the critical areas identified in this statement of work. The government will periodically evaluate the vendor's performance in accordance with the statement of work.

14. Project Personnel:**Contracting Officer:**

Contracting Officer
Department of the Interior
National Park Service
Southeast Region, East ASU
100 Alabama Street SW, 1924 Building
Atlanta, GA 30303-8701

Park Facilities Operation Specialist:

Name: Carlos Hurston
Title: Facility Manager
Kennesaw Mountain National Battlefield
900 Kennesaw Mountain Dr, Kennesaw,
GA 30152
Contact email: carlos_hurston@nps.gov
Contact Phone: (678) 981-3760

Project Inspector/Contracting Officer's Technical Representative (CO/CORCO/COR):

Name: Ladrack Downie
Title: Facility Management
Kennesaw Mountain National Battlefield
900 Kennesaw Mountain Drive
Kennesaw, GA 30152
Contact email: ladrack_downie@nps.gov
Contact Phone: (770) 417-0632