

SCOPE OF WORK

UPDATE SIGNAGE

FORT GIBSON NATIONAL CEMETERY, FORT GIBSON, OKLAHOMA 74434

- A. The Contractor: Shall also furnish all labor, material, tools, equipment, and supervision necessary to install eleven (11) new granite burial section markers; install three (3) new identification signs; install four (4) new informational signs, and re-set thirty-nine (39) existing granite burial section markers at Fort Gibson National Cemetery in accordance with the accompanying drawings and associated contract specifications.
- B. The Work: The Work shall include, but shall not be limited to the following (not necessarily in the order indicated):
1. Contractor shall procure and install all necessary materials to provide new signage as indicated on the project drawings and specifications. The installation shall include the installation of eleven (11) new granite burial section markers; three (3) new identification signs; and four (4) informational signs and placement of 3,000 psi (min) concrete footings for the non-illuminated exterior Type "G" signs as indicated in the contract drawings and specifications.
 2. Prior to installation, the contractor shall verify locations and orientation of all new signage with the COR and the Cemetery Director. Contractor shall not proceed until the locations and orientation of the new signage have been approved by the COR.
 3. Remove, re-excavate the existing foundation, and re-set the following existing granite section markers in accordance with the contract drawings and Paragraph 4 below: **1, 2, 4, 5, 7, 8, 9, 10** (3 ea.), **11** (2 ea.), **12** (2 ea.), **13** (3 ea.), **14** (4 ea.), **15** (2 ea.), **16** (4 ea.), **17** (2 ea.), **17A** (2 ea.), **CS17, 18** (2 ea.), **MA18** (2 ea.), **20** (2 ea), and **CS**.
 4. The installation of the new granite burial section markers and the re-setting of the existing granite burial section markers shall be in accordance with the contract drawings, specifications, and the following:
 - a. Prior to fabrication and installation, the contractor shall verify the burial section numbering and the location of the burial section markers with the COR and the Cemetery Director. Contractor shall not proceed until the locations of the new burial section markers have been approved by the COR.
 - b. Existing section markers shall be removed from their sockets by the Contractor using wooden clamps or other means to prevent damaging the section marker.
 - c. All section marker sockets (holes) shall be dug to allow four (4) inches of clearance from the front, back, sides and underneath the section marker.
 - d. Section marker sockets shall be dug to the required depth to meet the height requirement to have the top of the section marker eight (8) inches above the finish grade (soil level).
 - e. All section marker sockets shall be clean and free of loose dirt and debris prior to adding crushed rock base material.
 - f. Moistened crushed rock base material (see specifications below in Paragraph 5) shall be added at three (3) inch intervals and heavily tamped to 90% to 95% compaction in the bottom of the sockets to provide a minimum four (4) inch footing under the base of the section marker prior to the installation or re-installation of the section markers.
 - g.. Moistened crushed rock base material shall be placed at three (3) inch intervals around all four sides of the section markers and heavily tamped to 90% to 95% compaction.
 - h. Typically there should be two (2) inches of space remaining from the top of the compacted crushed rock base material to the ground surface to allow tamped topsoil and grass seed to be applied.
 - i. Existing section marker sockets that exceed the correct depth requirements shall be filled with sufficient moistened crushed rock base material and heavily tamped to 90% to 95% compaction to achieve the correct final depth before installation of the section marker.
 - j. All granite burial section markers shall be set plumb.
 - k. The completed section markers shall be set and anchored firmly in place such that the section markers are rigid with no give or play in any direction regardless of the soil and terrain conditions. The section markers shall show no movement from forces subjected by the COTR.

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5. Crushed Rock Base Material Specifications:

- a. Crushed rock base material shall be composed of limestone, granite, dolomite, or any other hard, sound rock that is produced by blasting and then crushing.
- b. Crushed rock base material shall be clean, hard, tough, and durable fragments (excluding schist, shale or slate) of uniform quality throughout and free of any detrimental quantities of soft, friable, thin, elongated or laminated pieces, disintegrated material, dirt, organic matter, oil, alkali, or other deleterious substance.
- c. Crushed rock base material shall consist of hard durable fragments of particles of rock, free of stripping dirt, vegetation, and other foreign substances.
- d. Hardness: Resistant to breaking, crushing or crumbling
- e. Shape: Sharp and angular (**Do not use rounded pea gravel.**)
- f. Gravel or Crushed Gravel mixed with filler, sand, crushed rock, or crushed stone is **NOT** an acceptable substitute.
- g. Crushed Rock shall consist of the product obtained by crushing rock or stone so that it meets the following gradation requirements:

Sieve Size % Passing	
Particle Size	% of Passing
1/2 inch	100
3/8 inch	70 – 90
No. 4	50 – 72
No. 8	35 – 55
No. 40	14 – 32
No. 200	4.0- 10.0

- h. The gradation of crushed rock shall comply with ASTM D-448. Sampling and sieve analysis shall be performed in accordance with ASTM D-75 and ASTM C-136.
 - i. Compaction of crushed rock base material: The crushed rock base material shall be compacted in lifts not exceeding 3" in thickness. Before compaction, moisten or aerate each layer as necessary to provide optimum moisture content. If the fines are dry at the time of compaction, use a very fine mist type hose and spray the crushed rock base material sparingly. The moisture content of the material during placing operations shall be within $\pm 2\%$ of the optimum moisture content as determined by ASTM D 1557. Compact each layer to 90% to 95% relative density. Do not perform compaction operations on excessively wetted soils.
 - b. Tamping Tools: Shall be approved by COTR prior to use. Tamping tools shall have sufficient impact area and weight to achieve 90% to 95% compaction of the Crushed Rock Base Material. Tamping tools made of wood or containing wood are not acceptable.
- ##### 6. Backfilling:
- a. Backfilling shall be done after the burial section marker(s) have been installed or re-set.
 - b. The voided area around the base of upright section marker created by the installation or re-setting process will be backfilled and tamped to grade with a suitable top soil material.
 - c. The section markers shall have soil tamped in the voided area between the existing sod to the vertical surface of the upright section marker which results in no voids or depressions within the surrounding perimeter of the base of the burial section marker
 - d. Soil for backfilling will be made available to the Contractor by the cemetery.
 - e. Contractor will provide their own vehicle to haul backfill soil on cemetery property.

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7. Haul away & dump debris and waste to an approved disposal site.
 8. Thoroughly clean up the work area at the end of each day's work, and at completion of the project. Leave premises clean and free of waste, scrap, used equipment, or other material intentionally or incidentally delivered to the site by Contractor or Contractor's personnel.
- C. Time of Completion: The project shall be completed within 90 calendar days after contract award.
- D. Contractor Quality Control: The Job Site Superintendent will: a) review and approve submittals, b) inspect the quality of work performed, and c) certify the completed work for payment and other purposes.
- F. Availability/Constraints of Site: See specifications and drawings and the attached "Additional Information and Requirements".
- G. Submittals After Award: Submit samples and shop drawings per specification Section 01 33 23, Shop Drawings, Product Data, and Samples.
- H. Plans/details: Cover Sheet (X-1), Overall Site Plan (L-1), Enlarged Site Plan - Area 1 (L-2), Enlarged Site Plan - Area 2 (L-3), Enlarged Site Plan - Area 3 (L-4), Enlarged Site Plan - Area 4 (L-5), Enlarged Site Plan - Area 5 (L-6), Signage Details - Sign Type C & D (L-7), Signage Details - Sign Type G (L-8), and Cemetery Map Graphics (L-9). Note: Additional file formats for the cemetery map graphics are available. Contact the MSN III engineer for more information.
- I. POC: The Contracting Officer's Representative (COR) for this project is: William Rhoades.
- J. Project completion: The project site shall be protected and/or restored to a condition equal to that existing prior to the commencement of work.

END OF SCOPE OF WORK

FORT GIBSON FE NATIONAL CEMETERY
ADDITIONAL INFORMATION AND REQUIREMENTS

A. CEMETERY LOCATION: The services will be performed at one (1) location:

Fort Gibson Fe National Cemetery
1423 Cemetery Road
Fort Gibson, OK 74434

B. PROJECT INFORMATION:

Work Hours: All work shall be performed between the normal business hours (7:00 a.m. to 4:30 p.m.), Monday through Friday.

Pre-bid Site Inspection: A pre-bid site inspection can be arranged if desired. Contact the Cemetery Director at (915) 564-0201 to make site visit arrangements.

1. The National Cemetery Administration honors veterans with a final resting place and lasting memorials that commemorate their service to our Nation. National Cemeteries are national shrines. The standards of work, appearance, and procedures performed by the contractor at this cemetery shall reflect this nations concern for those interred there. Due to the sensitive mission of the cemetery, contractor personnel must exercise and exhibit absolute decorum, composure, and stability at all times.
2. The Contractor is responsible to ensure that all work shall be done in a manner that safeguards all VA visitors, employees, and public.
3. Be required to be fully clothed at all times, to include upper garment to cover body from the waist to the neck and long pants or slacks.
4. The Contractor/personnel shall not engage in loud or boisterous behavior, angry outbursts or use profane or abusive language at anytime on Government premises. Playing radios and/or electronic games/devices, is not permitted.

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