

Project Location: FINN'S POINT NATIONAL CEMETERY

Project Title: Electrical, Asphalt and Concrete Repairs

Project Control #: 926-M&R17-20

Statement of Work Summary:

Contractor shall furnish all tools, labor, materials, equipment, services, and professional design services to perform work described below, in other specification sections, and on the drawings at Finn's Point National Cemetery as required by the work scope, specifications, and drawings.

A. General

1. Contractor is strongly encouraged to survey the project area prior to bidding to adequately understand the full scope of work and all requirements. Contractor is required to submit any questions or clarifications prior to bid. A bid submitted will be taken as agreement that the work shall be performed to meet the requirements herein based on the existing conditions in the field.
2. The contractor shall submit submittals including shop drawings and any other specification requirements to the COR for review and approval prior to fabrication/installation. Submittals approved by the owner (VA/NCA) are required prior to starting on the corresponding work.

B. Specific work items:

General Note: The maintenance building referenced herein is noted as "Exist. Garage and Utility Building" on the drawing 926-NRM17-20-002.

1. Front gate: Strip and repaint to match existing color. Contractor to utilize means and methods which may include removal and reinstallation of the front gate. Alternatively contractor may perform work without removal of the front gate. Note that existing paint is lead and shall be abated per specifications. Minimum paint system is to be compliant with specification section 099100 and be suitable for marine applications underwater. See drawing 926-NRM17-20-001 detail 1 for more information.
2. Gate behind maintenance building: Strip and repaint to match existing color. Contractor to utilize means and methods which may include removal and reinstallation of the gate. Alternatively contractor may perform work without removal of the gate. Note that existing paint is lead and shall be abated per

specifications. Minimum paint system is to be compliant with specification section 099100 and be suitable for marine applications underwater. See drawing 926-NRM17-20-002 for the location and size of this gate and opening, which is highlighted in a red cloud.

3. Flagpole: Strip and repaint to match existing color. Minimum paint system is to be compliant with specification section 099100 and be suitable for marine applications underwater.

4. Maintenance building electrical work: New work shall be run from a new circuit and breaker installed in the building's existing electrical panel. New work shall be installed in conduit per the specifications. See drawing 926-NRM17-20-001 detail 2 for more information on the work required. New LED wallpack fixtures shall be minimum: 55W consumption, 400W equivalent Metal Halide (MH) output, 5000K temperature, 6500 Lumens, outdoor rated, waterproof, and UL listed. Electrical fixtures installed in this item 4. and the below item 5. shall be run on the same new circuit and utilize a photocell to illuminate only outside of daylight hours. Contractor shall install photocell in a suitable location a minimum 9' above ground and mounted on the maintenance building. Reference drawing 926-NRM17-20-001 detail 5 for a picture of the existing electrical panel, and detail 2 for its location.

5. Install two (2) new LED flood light fixtures on concrete bases to uniformly illuminate the flagpole. Install a new underground conduit duct system per specifications. New LED light fixtures shall be minimum: 70W consumption, 250W equivalent High Intensity Discharge (HID) output, 5000K temperature, 7000 Lumens, outdoor rated, waterproof, and UL listed. Concrete bases shall be cylindrical, 24" diameter, 48" high (8" exposed above ground, 40" buried in ground with an 8" base of compacted 2A modified stone). The intent of the 8" exposed height above ground is to protect the LED fixtures from lawn mowing equipment, so contractor shall center the LED fixture on its concrete base and install the conduit/cabling through the concrete base such that it extends up into the bottom of the light fixture. Reinforcing shall be 4 - #4 column bars vertically installed along the perimeter, wrapped by 4 - #3 stirrup bars evenly spaced on the outside of the column bars. Concrete per specifications. Reference drawing 926-NRM17-20-001 detail 4 for more information. Reference drawing 926-NRM17-20-001 detail 2 for the electrical panel location. Reference drawing 926-

NRM17-20-002 for the location of the flagpole which is highlighted in a blue cloud.

6. Remove and reinstall in a plumb and straight manner the plaques at the confederate monument. There are 8 total plaques (2 per side). Assume the concrete plaques are 6" thick with a bronze plaque cast into the top. Reference drawing 926-NRM17-20-001 detail 3 for more information.

7. Maintenance Building: Demolish existing asphalt shingle roof and all existing wood sheathing. See 926-NRM17-20-001 detail 2 for a picture of the existing roof. Install new sheathing and asphalt shingle roof.

8. Site work:

a. Demolish existing curbing throughout the entire site. Assume existing curbing is 8" wide at top, 10" wide at bottom, and 24" deep with existing rebar matching the new described below. See drawing 926-NRM17-20-001 detail 2 for typical asphalt and curbing installation including a curb cut for mower access. New curbing shall match existing in its curb cuts, sidewalk entry cuts, etc. See drawing 926-NRM17-20-002 for the as-built drawing for the site which shows the asphalt, concrete sidewalk slab, and curbing which shall be demolished and replaced new as part of this project. Install new concrete sidewalk slab per drawing 926-NRM17-20-001 detail 6. Install new curbing throughout the site. New curb shall be 6" wide at top, 8" wide at bottom, and 18" tall. Expose the top 5" of the curb to be level with asphalt paving, and install a minimum 8" of 2A modified stone base under the new curb. Curb shall have a #4 rebar continuous along the top and bottom of the curb. Control joints to match existing and be provided with 1/2" expansion joints and polyurethane caulking. Space expansion joints no greater than 10'.

b. Asphalt demolition and installation:

1. For the entire site, demolish all existing asphalt, subbase, coatings, geogrid reinforcement necessary, and any subgrade as necessary to prepare site for new asphalt and subbase installed over the subgrade as shown on drawing details. Assume for demolition bidding purposes that the existing asphalt is 8" in depth and the subbase is 8" in depth. Prepare subgrade for new work. Demolition shall prepare depth such that new asphalt finished

grade matches existing grade. Note drawing 926-NRM17-20-002 for the outer limit of new asphalt work.

2. For the entire site, compact subgrade and install new asphalt, coatings, subbase, geogrid reinforcement, and all work per drawing 926-NRM17-20-001 details 7 & 8. Tie into any existing asphalt such as the entrance to the site following the details referenced above. New asphalt finished grade shall match existing.

3. For all work herein, contractor shall submit a phasing plan to the COR for approval. Work shall be phased to minimize interruptions to the cemetery. The front entryway and access to the burial areas must have expedited turn-over and cannot be out of service for extended periods (longer than 3 business days). Work is intended to be performed during normal weekday business hours defined as 8:00am to 4:30pm. Coordinate work with COR.

SPECIFICATION SECTIONS:

01 00 02	General Requirements
01 23 00	Alternates
01 33 23	Shop Drawings, Product Data, and Samples
01 42 19	Reference standards
01 45 29	Testing Lab Services
01 57 19	Temporary Environmental Controls
01 74 19	Construction waste management
02 41 10	Demolition and Site Clearing
02 83 33.13	Lead-Based Paint Removal And Disposal
03 30 00	Cast-In-Place Concrete
06 10 00	Rough Carpentry
07 31 13	Asphalt Shingles
07 60 00	Flashing and Sheet Metal
09 91 00	Painting
26 05 11	Requirements For Electrical Installations
26 05 21	Low-Voltage Electrical Power Conductors And Cables (600 Volts And Below)
26 05 26	Grounding And Bonding For Electrical Systems
26 05 33	Raceway And Boxes For Electrical Systems
26 05 41	Underground Electrical Construction
26 56 00	Exterior Lighting
31 20 11	Earth moving (short form)
32 12 16	Asphalt Paving

DRAWINGS:

926-NRM17-20-001
926-NRM17-20-002
926-NRM17-20-003

Pre-Bid Site Visit: Bidders are strongly urged to inspect, site investigate by observation, and Request for Information (RFI) and responses through the Contracting Office to satisfy their understanding of the work to be done, all general, local and technical conditions that may affect the cost and the feasibility of their proposal. In no event shall failure to inspect the site constitute grounds for a claim after award. Visitors planning to conduct a site visit shall contact the Cemetery Director or Foreman to make arrangements:

Cemetery POC(s):

Gregory Whitney, Washington Crossing Cemetery Director..... (215)-504-5610
or Gregory.Whitney@va.gov

Tony Murray, Washington Crossing General Foreman.....(215)-504-5610
Anthony.Murray3@va.gov

Technical POC:

Rico Silveti, North Atlantic District (NAD) Engineer..... (215) 381-3787 x4050 or
rico.silveti@va.gov

PRICE SCHEDULE

DESCRIPTION	QTY	UNIT	TOTAL PRICE
Contractor shall provide all labor, tools, materials, equipment, and supervision necessary to perform all work detailed above, in specifications, and drawings at the Finn's Point National Cemetery. BASE BID.	1	JOB	\$ _____
Contractor shall provide all labor, tools, materials, equipment, and supervision necessary to perform all work detailed above, in specifications, and drawings at the Finn's Point National Cemetery. Deduct Alternate Option 1: Proposal price shall include all base bid work including specifications and drawings, less only the Deduct Alternate Item "DEMO AND	1	JOB	\$ _____

REPLACE ROOFING”.			
Contractor shall provide all labor, tools, materials, equipment, and supervision necessary to perform all work detailed above, in specifications, and drawings at the Finn’s Point National Cemetery. Deduct Alternate Option 2: Proposal price shall include all base bid work including specifications and drawings, less both the Deduct Alternate Item “DEMO AND REPLACE ROOFING” and the Deduct Alternate Item “PLUMB PLAQUES”. Put another way, your proposal price would include all work <i>EXCEPT</i> the Deduct Alternate Item “DEMO AND REPLACE ROOFING” and the Deduct Alternate Item “PLUMB PLAQUES”.	1	JOB	\$ _____
Contractor shall provide all labor, tools, materials, equipment, and supervision necessary to perform all work detailed above, in specifications, and drawings at the Finn’s Point National Cemetery. Deduct Alternate Option 3: Proposal price shall include all base bid work including specifications and drawings, less the Deduct Alternate Item “DEMO AND REPLACE ROOFING” and the Deduct Alternate Item “PLUMB PLAQUES” and the Deduct Alternate Item “PAINTING”. Put another way, your proposal price would include all work <i>EXCEPT</i> all of the following: the Deduct Alternate Item “DEMO AND REPLACE ROOFING” and the Deduct Alternate Item “PLUMB PLAQUES” and the Deduct Alternate Item “PAINTING”.	1	JOB	\$ _____

Duration: Term of the contract shall be one hundred and eighty days (180 days) from date of award. The Contractor shall complete all work within 180 calendar days after receipt of Notice of Award, subject to all terms, conditions, provisions and schedules of the contract. Contractor shall perform work in the spring after evening temperatures are sustained above freezing.

(END OF PRICE SCHEDULE)

7/5/2017

X Rico J. Silveti

Rico Silveti

Project Engineer

Signed by: RICO J SILVETTI 383641