

Roof Replacements at Hannibal Locks and Dam

The U.S. Army Corps of Engineers, Pittsburgh District, has a requirement for roofing replacements at the Hannibal Locks and Dam, Monroe County, Hannibal Ohio. The contract generally includes the removal and replacement of nine (9) machinery house roofs, one (1) middle wall pier roof, and one (1) land wall pier roof. These eleven (11) roofs are located on the service bridge of Hannibal Lock and Dam.

In general, the tasks required in the performance of this contract include:

Land Wall Pier Roof:

- Removal of existing built up roof, ballast, aluminum flashing, and roof drain from a 9 ft by 14 ft flat roof.
- Repair any damage to the existing concrete roof deck making and based on existing conditions, tapered insulation may need to be installed to provide positive drainage towards the existing roof drain.
- Replace any sections of the 3-1/2" cant strip with nailable lightweight concrete.
- Install new fully adhered, 90 mil EPDM roofing system, conforming to ASTM D4637/D4637M.
- Install new roof drain with dome and removable sediment trap connected to the existing 3" threaded outlet.
- Install new 1/8" aluminum flashing to provide a watertight seal from the existing 6" aluminum fascia to the new rubber membrane. It is assumed two separate flashing pieces will be needed due to the geometry of the existing roof and the existing 3-1/2" cant strip. See Figure A for the flashing details of the existing roof.
- Install new permanent fall protection system for use as part of the contractor's personal fall arrest system that permits access to the entire roof for 2 people.

Middle Wall Pier Roof:

- Removal of existing built up roof, ballast, aluminum flashing, and roof drain from a 12 ft 2 inch by 11 ft 2 inch flat roof.
- Remove and reinstall the existing lightning protection system on the roof.
- Repair any damage to the existing concrete roof deck making and based on existing conditions, tapered insulation may need to be installed to provide positive drainage towards the existing roof drain.
- Replace any sections of the 3-1/2" cant strip with nailable lightweight concrete.
- Install new fully adhered, 90 mil EPDM roofing system, conforming to ASTM D4637/D4637M.
- Install new roof drain with dome and removable sediment trap connected to the existing 3" threaded outlet.
- Install new 1/8" aluminum flashing to provide a watertight seal from the existing 6" aluminum fascia to the new rubber membrane. It is assumed two separate flashing pieces will be needed due to the geometry of the existing roof and the existing 3-1/2" cant strip. See Figure A for the flashing details of the existing roof.

- Install new permanent fall protection system for use as part of the contractor's personal fall arrest system that permits access to the entire roof for 2 people.

Machinery House Roofs Pier 1 and Pier 9:

- Removal of existing built up roof, ballast, aluminum flashing, and roof drain from a 21 ft 4-1/2 inch by 27 ft 6 inch flat roof.
- Replacement of the arched acrylic plastic skydomes with a new skylight system.
- Inspect and replace any damaged wood as part of the 2 inch by 8 inch wooden curb.
- Inspect and replace any cant strips on the roof and around the wooden curb.
- Repair any damage to the existing concrete roof deck making and based on existing conditions, tapered insulation may need to be installed to provide positive drainage towards the existing roof drain.
- Install new fully adhered, 90 mil EPDM roofing system, conforming to ASTM D4637/D4637M.
- Install one new roof drain with dome and removable sediment trap connected to the existing 3" threaded outlet.
- Install new 24 gauge aluminum flashing to provide a watertight seal from the existing aluminum reglet over the new rubber membrane roof. See Figure C for the flashing details of the existing roof.
- Install new permanent fall protection system for use as part of the contractor's personal fall arrest system that permits access to the entire roof for 2 people.

Machinery House Roofs Pier 2 thru Pier 8:

- Removal of existing built up roof, ballast, aluminum flashing, and roof drain from a 30 ft 9 inch by 27 ft 6 inch flat roof.
- Replacement of the arched acrylic plastic skydomes with a new skylight system.
- Inspect and replace any damaged wood as part of the 2 inch by 8 inch wooden curb.
- Inspect and replace any cant strips on the roof and around the wooden curb.
- Repair any damage to the existing concrete roof deck making and based on existing conditions, tapered insulation may need to be installed to provide positive drainage towards the existing roofing drains.
- Install new fully adhered, 90 mil EPDM roofing system, conforming to ASTM D4637/D4637M.
- Install two new roof drains with dome and removable sediment trap connected to the existing 3" threaded outlet.
- Install new 24 gauge aluminum flashing to provide a watertight seal from the existing aluminum reglet over the new rubber membrane roof. See Figure C for the flashing details of the existing roof.
- Install new permanent fall protection system for use as part of the contractor's personal fall arrest system that permits access to the entire roof for 2 people.

The work shall be completed within 270 calendar days after the date of receipt of the Notice to Proceed (NTP).

Disclosure of Magnitude of Construction (FAR 36.204 and DFARS 236.204)

The estimated price range for this project is between \$250,000 to \$500,000.

This acquisition will be procured as a 100% Small Business Set-Aside. The resulting award will be for one (1) Firm-Fixed-Price (FFP) Contract. All responsible Bidders are encouraged to participate. The Invitation for Bid (IFB) will be issued on or about 1 August 2022, online through Procurement Integrated Enterprise Environment (PIEE) which posts the opportunity to SAM.gov; therefore, requests for hardcopies of the solicitation will not be honored.

The North American Industrial Classification System (NAICS) for this procurement is 238160 – Roofing Contractors and the small business size standard is \$16.5 Million.

In order to submit a Bid on this project, your company must-

1. Have a Unique Entity Identifier (UEI) Number. Currently, considered as the DUNS. This is a unique nine-character identification number that is provided by Dun & Bradstreet (D&B) free of charge.
2. Be registered with an active registration on the SAM website as an Entity. There is no cost to use SAM. It is MANDATORY that all vendors be registered on the SAM.gov website in order to receive contracts.
3. Be registered in the Procurement Integrated Enterprise Environment (PIEE) for the Solicitation Module with the Proposal Manger role.

Requesting a Unique Entity Identifier Number (DUNS)

Requesting a Unique Entity Identifier (UEI) takes about 10 minutes. Receiving a UEI (DUNS) takes about 1-2 business days when using the D&B web form. The form for completion can be found at <https://fedgov.dnb.com/webform/pages/CCRSearch.jsp>.

The UEI is required for the SAM Registration.

SAM Registration

For instructions on registering your company with SAM or to determine if your account is active, please visit the SAM Web site at <https://sam.gov>. At this site, registration guidance is provided, or you can check on the status of your company's registration. Please be aware that SAM requires a Notarized Statement as part of their registration and renewal process. This process can take up to ten (10) days.

To find out additional information about the changes on the SAM registration process, contractors should visit the Frequently Asked Questions (FAQ) on the SAM.gov homepage located in the "Most Popular Help Items" after selecting the Help tab.

Procurement Integrated Enterprise Environment (PIEE) Solicitation Module Registration

To register for PIEE follow the below instructions.

Register in PIEE:

- a. Navigate to <https://piee.eb.mil/>
- b. Select Register [top right]
- c. Select Vendor
- d. Create a User ID and Password and follow the prompts [next]
- e. Create Security Questions [next]
- f. Complete your User Profile Information [next]
- g. Complete your Supervisor or Approving Official Information [next]
- h. Complete Roles
 - i. Step 1. Select SOL-Solicitation
 - ii. Step 2. Select Proposal Manager
 - iii. Step 3. Click Add Roles
 - iv. Step 4. Fill in your Location Code (CAGE Code) [next]
- i. Provide a justification for your registration [next]
- j. Follow the remaining prompts to submit your registration