

SCOPE OF WORK
REHAB ELEVATED WATER TANK
575-14-821
VA Medical Center Grand Junction, Colorado

This contract shall facilitate improvements to Building 11, Elevated Water Tank, at the VA Medical Center, Grand Junction, Colorado.

The vendor shall be responsible for the following key items/procedures in accordance with plans and specifications:

- A. The contractor shall coordinate all work and procedures with Facilities Management throughout the contract delivery date.
- B. The contractor shall develop a work schedule and safety plan for upgrading the elevated water tank, Building 11.
- C. The contractor shall repair any and all cracks, spalling or pitting in the structural foundation of the tank.
- D. The contractor shall provide for the electrical grounding of the structure.
- E. The contractor shall prepare the base anchor bolts and nuts for subsequent welding.
- F. The contractor shall install a frost proof drain valve, complete with locking device and splash pad.
- G. The contractor shall replace the existing riser manway with a code compliant manway, davit arm, confined space notification and maintenance free galvanized steel bolts.
- H. The contractor shall install a protective plate over the outlet pipe located in the riser.
- I. The contractor shall extend the existing overflow piping down the exterior to grade with standoffs every 12" on center, install an elbow, flapper valve and splash pad at the termination point of the overflow pipe.
- J. The contractor shall install an approved anti-skid rung equipped ladder with standoffs every 12" on center. Contractor shall provide a cable type safety

ladder climb device, an aluminum lockable ladder guard and shall provide and post a fall protection required sign.

- K. The contractor shall raise the existing bowl handrail structure to 42" AFF. Revisions to the handrail shall include the installation of an intermediate rail, cutout section of the handrail at the junction of the tower access ladder and catwalk, the width of the tower access ladder/catwalk plus 4" on each side, any necessary bracing of the handrail to maintain safety/structural integrity and a stainless steel chain gate.
- L. The contractor shall drill additional weep holes in the bowl balcony floor.
- M. The contractor shall a 30" shell manway, a second 30" shell manway 180 degrees from the primary bowl manway. Each manway shall be provide with a confined space entry sign. Contractor shall provide interior bowl ladders with cable type ladder safety devices at the manways.
- N. The contractor shall weld the circumference of the post head to shell connections
- O. The contractor shall clean and lubricate all moving parts on the liquid level indicator and adjust/calibrate as required.
- P. Contractor shall install an code compliant anti-skid rung equipped shell/roof ladder complete with standoffs at 12" on center and cable type ladder climb device.
- Q. The contractor shall replace the existing roof manway with a 30" manway consisting of a 4" curb and a 2" overlap cover. Contractor shall furnish and post confined space sign.
- R. The contractor shall furnish and install handrails around all roof openings.
- S. The contractor shall replace the existing roof vent with a vacuum/pressure vent and screen.
- T. The contractor shall remove or repair obstruction light system.
- U. The contractor shall install an approved anti-skid rung interior access ladder with standoffs 12" on center and cable type safety climb device.
- V. The contractor shall furnish and install a passive type cathodic protection system for the interior of the tank.

- W. The contractor shall provide all materials and equipment required to power aggregate clean the bowl with a copper slag media. Powerblast all rusted and abraded areas of the bowl interior to SSPC#10 (near white blast) condition. Brushblast all remaining areas, stripe coating all seams and welds, then apply an epoxy liner to achieve 8-10 mils dry film thickness,
- X. The contractor shall extend the inlet and outlet pipes into the bowl from the bottom of the riser and seal off the top of the riser (riser to become dry tube).
- Y. The contractor shall install a recirculation line and pump.
- Z. Replace existing 8" bolt-flanged gate valve, piping and fittings located in the valve pit of the elevated water tank.

Exclusions

- A. Electrical conduit, boxes, fittings conductor for recirculation pump.

General

All work will be coordinated through Facilities Management Service. Davis-Bacon wage rates to apply. The delivery date for this contract shall be ninety (90) calendar days from Notice to Proceed.

Accreditation and certification (C&A) is NOT required.

Specifications/References

01 00 00 General Requirements
01 33 23 Samples and Shop Drawings
02 41 00 Demolition
05 12 00 Structural Steel Framing
07 92 00 Sealants
09 91 00 Painting
09 97 33.10 Resinous Coatings for Walls and Ceilings
22 05 11 Common Work Results for Plumbing
22 12 16 Facility Elevated, Potable-Water Storage Tanks
22 97 11 Plumbing Insulation
26 05 11 Common Work Results for Electrical Systems
26 05 26 Grounding and Bonding for Electrical Systems
26 41 00 Facility Lightning Protection
26 42 00 Cathodic Protection

Drawings/Documents

Cover Sheet 575-14-821.pdf
GJ Site Rehab Elevated Water Tank.pdf

Pittsburgh Inspection Report.pdf
Replace Water Mains C-7

GENERAL

All design and work will conform to the current edition of the VA Master Specifications and VA Design Standards as published at the following site: www.cfm.va.gov, State of Colorado Regulation No. 8, State of Colorado Regulation No. 19, IPC 2009, OSHA building codes and standards.

SITE VISIT: An optional site visit is scheduled for 10am (MST) on June 11, 2014 at the location of the outdoor patio area adjacent to Building 6 at the Grand Junction VA Medical Center located at 2121 North Avenue, Grand Junction, Colorado, 81501. Interested Contractors should contact John Bartman, email john.bartman@va.gov, as soon as possible to inform him that you will plan to attend. Attendance to the site visit is not required but is highly encouraged. Questions during the site visit will be written down and answered by posting them on FBO. Any question answered during the site visit and not answered in writing will not be recognized as a valid response later by the contractor if it results in a delay, dispute or misunderstanding of work requirements.

*All questions must be submitted in writing to Tim Nyberg via email at timothy.nyberg@va.gov by 4:00 P.M. (MST), June 13, 2014.