

# Clement J. Zablocki VA Medical Center

## Repair Campus Steam Tunnel and Structural Supports

### Project 695-17-119

### Scope of Work

Oct 2, 2017



US Department of Veterans Affairs  
Clement J. Zablocki VA Medical Center  
5000 W. National Ave.  
Milwaukee, WI 53295-0001

## STATEMENT OF WORK

Prepared by:

Facility Management Division



**I General Description:**

Provide Construction Services for Project# 695-17-119, "Repair Campus Steam Tunnel and Structural Supports".

The main steam tunnel runs south and east between Bldg 112 (Powerhouse) and Bldg 111 (Main Hospital). The tunnel is comprised of poured-in-place sections of reinforced concrete: floor, walls and deck (ceiling). Moderate to severe corrosion is present on multiple sections of the concrete and greater than two-thirds of the structural steel supports. This construction effort will replace all structural steel supports and guide plates. Additionally, the project will repair various areas of spalled, cracked and corroded concrete from the inside of the tunnel. A 45-ft section of the tunnel deck (ceiling), located principally under Hines Blvd and Flower Drive, will be exposed by excavation, removed, replaced and water-stopped due to significant corrosion from road salts. Infiltration from a technology manhole located near the Fisher House will be plugged to prevent water entry into the tunnel. Lastly, majority of the tunnel will be excavated, exposing walls and deck, so that the contractor can install waterproofing materials on three sides to prevent further water infiltration and corrosion.

**II Project Scope:**

1. General Description: Contractor shall provide for and furnish all labor, materials, equipment, qualified supervision, and other items designated in this contract in accordance with the specifications and drawings to complete Project# 695-17-119, "Repair Campus Steam Tunnel and Structural Supports" at Clement J. Zablocki VA Medical Center, 5000 West National Avenue Milwaukee, WI. The project includes the following:
  - a. Professional pre-construction and post-construction surveys of the affected construction site, paying attention to potential hazards, traffic issues, and existing conditions.
  - b. Prepare pre-construction documents (submittals, schedules, traffic control plans, excavation permits, accident prevention plan, AHAs, other specific workplans, etc.) as necessary to meet mobilization window to complete project in 315 days.
  - c. Install traffic detour plan and construction fence for safety/security per the drawings. Coordinate with the COR via work plans for the excavation, water proofing and structural repair work as necessary per the contract documents.
  - d. All traffic control and construction security barriers are the responsibility of the contractor and are shown on the included drawings.
  - e. Restore ancillary areas disturbed by new work as described in the plan.
2. All work shall be completed within 315 calendar days after receiving Notice to Proceed.
3. See plans and specifications for further information.

**III Project Duration/Phases:**

This project shall be completed within Three Hundred Fifteen (315) days once NTP is issued.

- Phase 1: Pre-construction (kick-off) Meeting is anticipated to be scheduled on the effective date identified in the Notice to Proceed (NTP).

- Phase 2: Pre-Construction Period duration is NTP + 30 calendar days (not to exceed). Within this period the contractor shall submit the following (*as applicable* per the specification requirements):
  1. Logistics Plan.
  2. Construction Security Plan.
  3. Construction Phasing Plan.
  4. Submittal Registry.
  5. Accident Prevention Plan.
  6. Activity Hazard Analyses.
  7. Construction Schedule.
  8. Schedule of Values.
  9. Existing Conditions Survey.
  10. Infection Control Plan.
  11. Quality Control Plan.
  12. Environmental Protection Plan.
  13. Document Submissions.
  14. Demolition Debris Management Plan.
  15. Certificates, Licenses, and Training Documents.
  16. Obtain PIV badges.
  
- Phase 3: Construction Period – Phase duration is anticipated to be 210 days; to be completed no later than NTP + 240 calendar days. All applicable documentation listed in Phase 2 and any necessary submittals required to mobilize must be approved by the COR prior to commencing work. No demolition or construction shall be started without COR review and approval of those items listed in the Pre-Construction Period unless authorized in writing by the COR or the CO. Should naturally occurring weather delays occur, the contractor shall restart construction immediately once conditions permit.
  
- Phase 4: Construction Closeout Period – Phase duration is anticipated to be 75 days; to be completed no later than NTP + 315 calendar days. The contractor shall provide all required materials within 45 days of completion of Phase 3.
  1. Inspection and Approval by the COR and/or the CO.
  2. Final Approval and Beneficial Occupancy when applicable.
  3. Warranties documents and O&M Manuals.
  4. As-built drawings and record submittals.
  5. Staff training when applicable.
  6. Waste Reports.
  7. Existing Conditions Re-survey.
  8. Release of Claims.

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