

**SCOPE OF WORK  
CONSTRUCT "UPGRADE CATH. LAB 2"  
PROJECT NO. 618-CSI-300  
MINNEAPOLIS VA MEDICAL CENTER**

**A. PART I - GENERAL**

**A1. Scope of Contract**

1. **General Scope:** The project will include the remodeling of Cath Lab 2 and the site preparation for a new single plane x-ray machine. New power, low voltage communications, nurse call, HVAC, plumbing, air handler upgrades and service booms, Corridor flooring and Wallcovering will be required as part of the project.
2. **Base Bid CLIN No. 1 (Contract Line Item Numbers):** The Contractor shall provide all labor, materials and equipment to accomplish the remodeling of Cath. Lab 2 and site preparation for new x-ray equipment in Cath. Lab 2, per contract drawing and specifications.
  - a. **Demolition:** The existing x-ray equipment is scheduled to be removed under a separate contract. The conduits, gutters, raceways and power that supported the existing x-ray equipment shall be removed as part of the Cath. Lab 2 project. Demolition of the existing structural strut system, walls (lead), finishes, casework, medical gases, plumbing, HVAC and electrical systems shall be included in the demolition. The contractor shall remove from the VA site and dispose of all equipment and materials not scheduled to be reused.
  - b. **New Construction:** Will include the site preparation for the installation of new x-ray equipment, new walls, corridor wall/floor finishes and finishes for Cath Lab 2. See plans for the extent of new electrical and mechanical systems.
    - i. The contractor should review the x-ray drawings and understand that the contractor will be responsible for providing materials and labor for the installation of all items shown on the x-ray drawings as contractor provided and installed and vendor supplied and contractor installed. During the installation of the new x-ray equipment the contractor should allow time for support for the installation and terminations of final electrical conductors for the x-ray equipment.
    - ii. New flooring, ceilings, finishes, casework, doors/windows, walls and other miscellaneous items will be included as part of the Upgrade

Cath Lab 2 project. Contractor shall include all lead lined items shown on the drawings. Lead shielding will be required for walls, doors and windows.

- iii. Corridor Finishes – Included in the Cath Lab 2 project will be the removal and replacement of the flooring and wall finishes in the corridors in cardiology. See drawings for the full scope of finishes that will be removed and replaced. Replacement of the corridor finishes shall be accomplished between the hours of 8:00 p.m. and 5:00 a.m. Flooring demolition and installation of new flooring shall allow for pedestrian traffic at all times. Flooring left in an uncompleted state shall be protected from damage and edges of flooring left in such a manner that there will not be any trip hazards.
  - iv. A new structural support system for the x-ray equipment and the service booms will be required. The structural support system shall be provided and installed by the contractor.
  - v. Service booms shown on the drawings and associated medical gas systems, low voltage systems and electrical power to the booms shall be provided and installed by the contractor as part of the base bid.
  - vi. The existing air handling unit that currently serves this space and some adjacent spaces will be upgraded to include HEPA filtration and emergency power. Contractor shall include time and support services for the commissioning of the mechanical systems.
  - vii. Work Hours shall generally be between 6:00 a.m. and 4:30 p.m. Noise producing activities such as hammer drilling shall be completed after 5:00 p.m. and before 6:00 a.m.
3. **Base Bid CLIN No. 2:** Poured MMA Floor Finish: Provide RF.1 floor and integral cove finish at scrub (3H-104, Cath Lab (3H-105, and supply (3H-105B).
    - a. CLIN No. 2 will be awarded as base bid.
  4. **Base Bid CLIN No. 3** – Replace 31 existing 2 x 4 fluorescent light fixtures with 2 x 4 LED light fixtures in corridors 3C-63, 3C-64, 3C-65, 3C-66, 3C-68, 3C-92, 3C-95, 3C-96 and 3C-173.
    - a. CLIN No. 3 will be awarded as base bid.
  5. **Work Hours and Shutdowns:**

- i. Work hours shall be between 6:00 a.m. and 4:30 p.m. except for corridor finishes shall be between the hours of 8:00 p.m. and 5:00 a.m. and weekends.
- ii. Noise producing activities such as hammer drilling shall be completed before 7:00 a.m. unless approved by the COR.
- iii. Shutdowns: Shutdowns shall be coordinated with the COR. Contractor shall provide a written 30 day notice for shutdowns which affect patient care. Sprinkler shutdowns shall have a 7 day notice.

**6. Phasing:**

- i. Phase One - Shall include all work shown on the drawings except for the work required for the remodeling the exam room 3H-101.
- ii. Phase Two – Shall include all work required to convert 3H-101 into an exam room. Contractor shall allow two weeks between Phase One and Phase Two to allow the VA to move equipment from 3H-101 into the new equipment room 3H-105a.

**A2. Tentative Schedule: 280 Calendar Days – Includes Phase One and Phase Two and the two weeks between phases to allow for moves by the VA.**

- 1. Schedule Objectives - The anticipated substantial completion of this project is 280 calendar days from the “Notice to Proceed” (NTP) with the contractor returning for final electrical terminations after the installation of the x-ray equipment and booms as a punch list item. Proposed schedules less than the full 280 days is not acceptable.

**A3. Project Magnitude - Per VAAR Part 836.204**

The anticipated “Magnitude of Construction” for this project is “Between \$2,000,000 and \$5,000,000.” (Note: The Project Magnitude is provided as a tool to assist the Contractor with projecting bonding capacity. It is **NOT** an indicator of available funding.)

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