

**NEW MOBILE MRI UNIT  
VA GULF COAST VETERANS HEALTH CARE SYSTEM  
BILOXI, MS**

**CONSTRUCTION SCOPE OF WORK**

Furnish a 1.5T Mobile MRI System including site preparation at the location shown in the plan documents attached with this scope of work. Contractor shall provide the equipment and all labor, tools, materials and supervision necessary to perform all work associated with providing a fully functioning and operable Mobile MRI unit. Contractor shall perform any necessary site demolition to adapt the location to meet requirements of the Mobile MRI system at the location shown. Contractor will be required to visit site to be certain proposal includes all work items needed to successfully deliver the Mobile MRI unit to the VA Gulf Coast Veterans Health Care System. Contractor will be notified and required to attend a preperformance conference. The Contracting Officer's notification will include specific details regarding the date, time, and location.

**1. Demolition Work:**

- a. Demolition work includes but is not limited to saw cut of existing concrete pavement for installation of power, data and telephone lines as shown in attached plan documents. Contractor shall replace concrete with same thickness and grade as existing pavement.

**2. New Work:**

- a. Locate into position as shown on attached drawings a Mobile MRI Unit meeting the system specifications of this contract and the manufacturer's specifications. The Mobile MRI Unit shall be a 1.5T Siemens Magnetom Espree Open Bore unit or equal.
- b. Contractor shall construct a steel framed structure with a 4 inch thick concrete deck for a ramped access to the Mobile MRI Unit from the loading dock of Building 3 as shown in accordance with the International Building Code, latest edition. The **covered** ramp shall be built with hand rails to meet VA requirements for ADA accessibility (5' wide minimum). The Mobile MRI Unit shall have a sensor powered sliding door leading into and out of the Mobile MRI Unit via the ramp.
- c. Contractor shall run 480V, 150A, 3Phase power from existing 800A electrical panel identified as CT Panel located in adjacent electrical room. See electrical plan sheet PW 001 for location of electrical panel. Contractor to provide and install a 150A breaker in the CT Panel. Contractor shall install new electrical run from new 150A breaker in EMT conduit. Contractor shall install conduit as shown in the attached electrical plan and connect to a new Russellstoll receptacle mounted to new ramp at location shown. All electrical work shall be performed in accordance with NEC Code and VA specifications.

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- d. Contractor shall run telephone communication lines from room designated as 1A-112B and data lines from room designated as 1A112C as shown on attached plan. Both telephone and data lines shall be installed above ceiling in corridor adjacent to rooms 1A112B and 1A112C in accordance with the NEC and VA specifications. Run telephone and data as shown in attached plans.
- e. Contractor shall mount Hubble phone and data connections (3 each) next to the electrical service connections. Height to mount phone and data connections and electrical receptacle shall be governed by local codes (minimum of 42 inches). See electrical plan drawing for receptacle details.
- f. Contractor shall limit access to work area from loading dock doors of Building 3 as shown on attached plans.
- g. Contractor will be allowed the use of public restrooms located on the first floor of Building 3.

**3. Workmanship:**

- a. Prep work shall include taping, mudding, sanding, filling, etc. of any imperfections in wall, ceiling, or floor surfaces.
- b. Paint cut-ins between walls and ceilings, case work, etc. shall be neat and straight with minimal cross-over.
- c. Floor shall be clear of all debris at all times.
- d. Replace areas of hard ceiling as necessary to match adjacent ceiling area in type and grade.

**4. Installation Time:**

All construction work shall be completed no-later-than 30-calender days after the Effective Date of the Contract.

**SPECIAL BID CONSIDERATIONS BY THE CONTRACTOR:**

All disposal costs and fees for debris removal will be the contractor's responsibility. The contractor will be responsible for cleanliness of the building area both interior & exterior. This project will require work during off hours and during weekends to accommodate planned power outages for electrical work so as to minimize disruptions to patient care during normal VA work hours [which are from 7:00am – 4:30pm (Central), Monday through Friday]. A minimum of five (5) workdays notice must be provided to the Contracting Officer's Representative (COR) of any planned power outages.

**SAFETY CONSIDERATIONS:**

Contractor's workmen shall provide and utilize all safety requirements in accordance with OSHA regulations during all phases of the work. Contractor shall provide and utilize scaffolding and ladders in accordance with all OSHA regulations.

**FIRE PROTECTION DURING CONSTRUCTION:**

- a. Coordinate with the facility prior to and throughout the construction period.
- b. Fire protection during construction shall comply with VA Master Construction Specification (VAMCS) 01 00 00, General Requirements. (Note: VAMCS 01 00 00,

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General Requirements, addresses NFPA 241, Joint Commission Interim Life Safety Measures, Hot Work Permits. This specification section was formerly section 01010.)

- c. Separate all occupied areas from demolition, renovation, or construction activities by temporary smoke-tight construction partitions of gypsum board or other approved non-combustible or limited-combustible material. Partitions shall be full height, extending through suspended/hard ceilings to the floor slab or roof deck above and shall be one-hour fire rated, **unless sprinklers are installed and are operational on both sides of the temporary partition whereupon the partition may be permitted to terminate at the ceiling in accordance with NFPA 241. Where the ceiling on one side of the temporary construction barrier has been removed, the temporary wall would need to go to the deck above.** *Note: This requirement is due to the inherently greater potential for fire or hazardous materials incidents associated with the combustibles and operations of demolition/construction. This risk is made worse by the likelihood of compromised fire protection systems and fire/smoke resistant construction. This does not obviate the need to provide other protective measures to contain dust and debris as specified by VAMCS 01 00 00 section 1.8(D)(2). Sprinklers are considered to be operational when they are installed in accordance with NFPA 13 (spacing, protection, distance from the ceiling, etc.) and there is a sufficient automatic water supply. If the ceiling was removed and the sprinklers remain at the original ceiling level, they would likely not be considered operational.*
- d. Provide dust proof one-hour / fire-rated drywall construction barriers to completely separate construction from the operational areas of the hospital in order to contain dirt debris and dust. Barriers shall be sealed and made presentable on hospital occupied side. Install a self-closing rated door in a metal frame, commensurate with the partition, to allow worker access. Maintain negative air at all times. A fire retardant polystyrene, 6-mil thick or greater plastic barrier meeting local fire codes may be used where dust control is the only hazard, and an agreement is reached with the COR and Safety Office.
- e. Phase construction as necessary to ensure that obstruction of exits is minimized or avoided. If exits are obstructed during construction, provide alternate exit routes during each phase of construction and identify the alternate routes on the construction drawings.
- f. Minimize or avoid disruptions to fire alarm and sprinkler systems. Delineate phasing of construction to ensure that installations of new systems are expedited, and where possible, maintain existing systems in service until the replacement system is operational. If fire protection systems are to be disrupted, ensure procedures are incorporated to maintain equivalent levels of fire protection and provide formal notification to the facility while systems are down.

**INFECTION CONTROL - DURING CONSTRUCTION:**

- a. Implement the requirements of VAMC's Infection Control Risk Assessment (ICRA) team. ICRA Group may monitor dust in the vicinity of the construction work and require the Contractor to take corrective action immediately if the safe levels are exceeded.

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- b. The contractor is responsible for notifying/educating all personnel involved in the construction or renovation process in infection prevention measures established by the medical center and as noted on the ICRA form.
- c. Isolate HVAC system in area where work is to be done to prevent contamination of duct system.
- d. Complete all critical barriers i.e. (sheetrock, plastic, etc. to seal area from non-work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum - prior to vacuuming and prior to exit) before construction begins.
- e. HEPA filtration is required where the exhaust dust may reenter the breathing zone.
- f. Contractor shall verify that construction exhaust to exterior is not reintroduced to the medical center through intake vents, or building openings.
- g. Negative air pressure must be maintained within work space throughout the construction project. Install HEPA (High Efficiency Particulate Accumulator) filter vacuum system rated at 95% capture of 0.3 microns including pollen, mold spores and dust particles. Insure continuous negative air pressures occurring within the work area. HEPA filters should have ASHRAE 85 or other pre-filter to extend the useful life of the HEPA. Provide both primary and secondary filtrations units. Exhaust hoses shall be heavy duty, flexible steel reinforced and exhausted so that dust is not reintroduced to the medical center. HEPA filters must be routinely monitored and replaced once filter become visibly dirty or is no longer effective.
- h. Seal all holes, pipes, conduits, penetrations or punctures within envelope of work area in appropriate manner. Method of sealing must maintain the construction areas required fire/smoke rating.
- i. Construct “ante-room” and require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving work site or they can wear cloth or paper coveralls that are removed each time they leave the work site. Keep area adjacent to the “ante-room” mopped clean as required by project traffic.
- j. During demolition or any dust producing work or work in the ceiling, disposable shoes or shoe covers must be worn and removed in the “ante-room” when the worker exits the work site.
- k. Do not remove construction barriers from work area until completed project is signed off by COR and area is thoroughly cleaned.
- l. Provide and install adhesive dust “sticky” walk-off mats, minimum 600mm x 900mm (24” x 36”), at each entrance/exit of construction area. Replace walk-off mats as often as required to maintain clean work areas directly outside construction areas at all times.
- m. Vacuum and wet mop all transition areas from construction to the occupied medical center at the end of each workday. Vacuum shall utilize HEPA filtration. Maintain surrounding area frequently. Remove debris as they are created. Transport these outside the construction area in containers with tightly fitting lids.
- n. There shall be no standing water during construction. This includes water in equipment drip pans and open containers within the construction areas. All accidental spills must be cleaned up and dried within 12 hours. Remove and dispose of porous materials that remain damp for more than 72 hours.

**INFECTION CONTROL – UPON PROJECT COMPLETION:**

- a. Remove barrier material carefully to minimize the spreading of dirt and debris associated with construction.
- b. Contain construction waste before transport in tightly covered containers.
- c. Cover transport receptacles or carts. Tape covering unless solid lid.
- d. Wet mop area with disinfectant or as approved by COR.
- e. Remove isolation of HVAC systems in areas where work is being performed.
- f. HEPA vacuum and wipe clean all surfaces in the construction area. This includes walls, ceilings, cabinets, casework, furniture (built-in or free standing), partitions, flooring, etc.

**NOTE:**

Contractor shall submit samples of all new proposed materials for approval with manufacturer's literature. No materials shall be procured or installed prior to sample approval.

Most work is to be performed during the hours of 7:00 AM and 4:30 PM, Monday through Friday, exclusive of Federal holidays. However, some areas may require work to be performed outside of normal working hours. Any work performed outside of normal working hours shall be coordinated with the project manager and/or COR at least five (5) calendar days in advance of the requested timeframe.

Site shall be kept clean and free from debris at all times and contractor shall remove debris **daily** from the health care system property. Contractor will not be allowed to use Government tools, materials, and/or labor for this project.

All work is to be performed in strict compliance with the attached drawings, specifications and "Scope of Work".