

ATTACHMENT A - PERFORMANCE WORK STATEMENT
VA256-13-R-1853

1. **Services, Non-Personal;** Contract to provide all equipment, tools, materials, labor, transportation, site construction (to include utility hook-ups (power, data, telephone) and a 5' wide covered walkway), equipment training, on-site installation, and anything else necessary to provide for an equipment lease for a new (never used before) fully functioning/fully operable 1.5 Telsa (T) Mobile Magnetic Resonance Imaging (MRI) System Trailer for the Gulf Coast Veterans Health Care System (GCVHCS), Biloxi Campus, 400 Veterans Avenue, Biloxi, MS 39531. The contractor shall be TJC (The Joint Commission) Accredited and/or shall follow established TJC guidelines as they pertain to the Mobile MRI operations. The Period of Performance will be for a 12-Month Base Period and four (4) each 12-Month Option Periods. The Contractor shall have the MRI Trailer and Equipment in-place and fully-operational (to include all required training provided) within 45-days of the Effective Date of the Contract. The Mobile MRI Trailer shall be a 1.5T Siemens Magnetom Espree Open Bore Unit or equal.
2. **Site Preparation:** Please see Construction Scope of Work. The contractor shall perform all functions required for MRI Trailer and Equipment arrival, set-up, take-down and departure (at the end of the contract) actions in a manner that causes limited or no disruptions to normal GCVHCS operations.
3. **Type of Contract:** Firm Fixed Price. A single award will be made.
4. **Hours of Operation:** The Mobile MRI Trailer will be GCVHCS staffed and will be operational Monday through Friday from 8:00am to 5:00pm, excluding Federal Holidays, and any other extended hours of operation (up to 24 hours per day, 7 days per week, if necessary) as deemed necessary to support the Veterans receiving medical care at the GCVHCS. The MRI Trailer and Equipment is for the GCVHCS' dedicated use.
5. **Changes:** Only a warranted Contracting Officer of the United States of America is authorized to make any changes to the Performance Work Statement or to any part of any subsequent Contract. Any changes made shall be in writing.
6. **Contractor Responsibilities:** In addition to the other requirements contained herein or in other areas of the solicitation and/or resultant contract, the contractor shall be responsible for the following:
 - a. Transporting the MRI Trailer to and from the site location at the GCVHCS (please see Construction Scope of Work).
 - b. All maintenance and service of the MRI Trailer and Equipment to include all Preventative Maintenance, Service Calls, Transportation, Parts, and Labor at no additional cost to the GCVHCS.

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- c. Original Equipment Manufacturer (OEM) shall establish network and printer connectivity as the site location in coordination with local GCVHCS IT Staff. Verification (contractor employees along with GCVHCS medical personnel) of the functionality of the MRI System and links (connectivity) to GCVHCS equipment shall be made at least 5 calendar days prior to the start date of the first scheduled patient to ensure full functionality of all equipment and systems.
 - d. Providing equipment that is state-of-the-art that meets or exceeds industry standards for the service provided (including manufacturers stated intent and capability) and the American College of Radiology (ACR). All licensures, inspection, adjustments, calibrations, and certifications shall be current at all times with no lapses or pending discrepancies. Note: The GCVHCS reserves the right to request copies of all documentation relating to the equipment. Evidence of performance of recommended maintenance shall be provided by the contractor upon request from the GCVHCS.
 - e. System scan protocols shall be verified and validated by GCVHCS reading radiologists.
 - f. Mobile MRI Trailer and Equipment shall remain in place during the duration of the contract.
 - g. Removing the Mobile MRI Trailer and Equipment from the GCVHCS premises at the end of the contract period unless otherwise directed by the Contracting Officer.
 - h. Meeting all safety requirements such as posting MRI Hazardous Signs around the Mobile MRI Trailer.
 - i. Providing JCAHO Reports to the Contracting Officer Representative (COR) upon request consistent with Joint Commission and GCVHCS recommendations.
 - j. Adherence to standard precautions for infection control.
- 7. MRI Trailer and Systems Capabilities/Requirements:** The MRI Trailer and Equipment shall provide a full range of scan parameters to meet all routine clinical demands, including 70cm x 70cm Open Bore Size and CT-like dimensions, 125cm long system for head out of the magnet in 60% of the anatomy scanned, 33mT/m maximum gradient amplitude, 100 T/M/s slew rate, and Z-engine Gradient System and shall have the following:
- a. Minimum MRI Trailer size shall be 12' wide x 50' long to accommodate full access inside trailer and around MRI scanner.
 - b. Trailer shall contain an Americans with Disabilities Act (ADA) compliant Patient Dressing Area (minimum size of 5' x 5') that contains storage for exam gowns and lockage storage for patient personal items.
 - c. Shall have the same capabilities of the standard configuration for a Siemens 1.5T Espre System TIM Technology
 - d. 18 Channels 72 Elements

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- e. Gradients – 33 T/m per axis or 57 mT/m effective, 100 T/M/s per axis slew rate or 173 T/m/s effective
- f. System shall be able to connect multiple coil elements which can be seamlessly integrated into one examination.
- g. Gradient noise level of 99db or below without reducing performance.
- h. System/equipment shall be fully capable and able to transfer image and data to multiple modalities including GCVHCS PAC, VISTA Imaging, printers, and Hospital RIS System (full DICOM Communication). Each location shall have different IP addresses, subnet masks, and VPNs. Communication between MRI and Radiology Services PACS: The Contractor shall ensure that a convenient and robust means of DICOM transfer of MRI studies to the GCVHCS Radiology Service PACS is operational. The Contractor shall obtain and provide to the GCVHCS any technology necessary to ensure that MRI studies can be conveniently read on the existing GCVHCS PACS display technology. Any peripherals that the GCVHCS does not have but that is needed to ensure convenient and timely display of MRI studies in the GCVHCS Radiology Service shall be obtained by the Contractor, be installed, and be retained by the GCVHCS so that at future dates the archived studies can be reviewed. Each MRI study will be transferred to the GCVHCS PACS immediately following the acquisition of the study so that it can, if necessary, be reviewed before the patient leaves the MRI Trailer.
- i. Magnet shall be superconducting with a magnetic strength of 1.5T or greater.
- j. Magnet shall be self-shielded.
- k. Magnet shall demonstrate minimum field of homogeneity of:
 - +/-0.25 ppm for 20 centimeter DSV
 - +/-1.0 ppm for 30 centimeter DSV
 - +/-5.0 ppm for 50 centimeter DSV
- l. Gradient field strength of system shall be 0.85 gauss/centimeter or better.
- m. Magnet head coil shall be quadrature.
- n. System shall be capable of off-center imaging in both phase and frequency directions.
- o. The five (5) gauss fringe field shall be contained within the trailer of the unit.
- p. MRI Trailer shall maintain proper temperature to ensure maximum operation, calibration, and care of equipment and to ensure patient comfort.
- q. MRI Trailer and Equipment shall meet all Federal, State, and Local Fire and Safety requirements.
- r. Safety and Warning Systems with Visual and Audible Alarms.
- s. Smoke Detectors and MRI Safe Fire Extinguishers.
- t. Emergency Lighting.
- u. Operations and Technical Support Manuals (2-complete copies).
- v. On-board generator to power HVAC in the event of a power interruption.

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- w. Effective noise abatement system capable of delivering over 35dB of gradient noise abatement.
 - x. HVAC System to maintain MRI Trailer environmental systems.
 - y. 24-Hour per Day, 7 Days per Week, Original Equipment Manufacturer (OEM) telephone technical support (telephone technical support shall be provided within 1-hour of phone call being made). Contractor shall provide the names of technical/service support representatives (if known) and their 24/7 phone numbers to the GCVHCS COR. These services shall be provided at no additional cost to the GCVHCS.
 - z. OEM on-site emergency repair service within 2 hours of notification during normal business operations (Monday through Friday, 8am – 5pm Central Time). If the request is made on a weekend or holiday, the contractor shall begin repair services no later than the next GCVHCS work (duty) day (i.e. be onsite NLT 8am to start the repairs). The contractor's repair personnel shall maintain constant communication with the COR concerning the status of the repairs so that the COR can notify other GCVHCS medical personnel of potential downtime affecting patient care. All repairs shall be conducted during normal business hours (8am to 5pm Central Time) unless otherwise coordinated with the COR. These services (to include all travel, labor, per diem, parts, and equipment) shall be provided at no additional cost to the GCVHCS.
 - aa. OEM on-site non-emergency service within 24 hours of notification during normal business operations (Monday through Friday, 8am – 5pm Central Time). The contractor's repair personnel shall maintain constant communication with the COR concerning the status of the repairs so that the COR can notify other GCVHCS medical personnel of potential downtime affecting patient care. All repairs shall be conducted during normal business hours (8am to 5pm Central Time) unless otherwise coordinated with the COR. These services (to include all travel, labor, per diem, parts, and equipment) shall be provided at no additional cost to the GCVHCS.
 - bb. MRI Trailer and Equipment shall be capable to supporting patients weighing up to 550 lbs. (i.e. have a 550 lb. load table limit).
 - cc. MRI Trailer and Equipment Uptime (in-service) Rate of 99% during normal business hours of operations (which are Monday through Friday, 8am – 5pm Central Time).
- 8. Coil and Channel:** The MRI Trailer and Equipment shall have a full set of coils and be capable of processing on average 10 – 15 exams per day.

Coil	Channel (minimum)
Neurovascular Heal Coil	16
Heal Coil	12
Flex Medium	4

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Flex Large	4
Shoulder Coil	4
Breast Coil	4
Ankle Coil	8
Knee Coil	4
Spine Coil	24
Sense Body	8

9. **MRI Scan Protocols:** The following MRI Protocols (including but not limited to) shall be able to be supported by the Mobile MRI Trailer and Equipment: Routine Brain, Brain with Gadolinium, MRA Brain, Brain-MS, Brain-Seizures, Brain-IACs, Brain-Orbits, Brain-Pituitary, Brain-Complex Seizures, Face/Neck, Tongue/Salivary Glands, Brain-Bell's Palsy, Cervical Spine, Thoracic Spine, Lumbar Spine, C/T/L SpineCord Compression, Spine-Infection, Spine-Syrinx, Routine Knee, Routine Shoulder, Shoulder-Post Arthrogram, Hips-AVN, Hips-Occult Fracture, Routine Wrist, Routine Ankle, Ankle-Achilles Tendon, Ankle-Plantar Fasciitis, Routine Elbow, Thigh/Lower Leg, TMJ, Infection-Osteo, Routine Abdomen, Kidneys, MRCP, Pelvis-Female, Pelvis-Prostate, Brachial Plexus, Carotidis, Renal MRA, and Arterial Run-Off.
10. **Patient Digital Video and Audio Entertainment System:** The Mobile MRI Trailer shall contain the following minimum Patient Digital Video and Audio Entertainment System features/functions to help mitigate the claustrophobic effects of the MRI Bore:
- Entertainment Video.
 - Digital Video Goggles to view DVD or Broadcast TV during MRI scan.
 - High fidelity digital audio headset for patient to listen to audio channels to include DVD, TV (if provided by GCVHCS), Internet Radio (if provided by GCVHCS) or other external audio sources.
 - Patient microphone to enable communication with GCVHCS MRI Technologist.
 - Camera at MRI Technologist station so when talking to the patient, the patient sees and hears the MRI Technologist with positive 2-way communication. The patient's voice response is transmitted from the microphone to the MRI Technologists' station speaker.
 - Emergency call button for the patient to alert the MRI Technologist of any problems or to speak to the MRI Technologists.

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- g. Capability to play and offer the patient FM Radio, Internet Radio (if provided by GCVHCS), MP3, DVD, or Digital Broadcast TV (if provided by GCVHCS), Connections for CD, iPad, iPod, or other audio sources.
 - h. S-Video and RCA (White, Red, Yellow) audio/video in-ports.
- 11. **Training:** Five (5) calendar days or 40-hours of on-site operational and application training on the full operation of the MRI System shall be provided to the GCVHCS medical staff (to be coordinated through the COR) prior to the start of patient scanning. For the consecutive years (for each option periods), an additional three (3) calendar days or 24-hours of on-site operational and application shall be provided by the Contractor to the GCVHCS upon request at no additional cost to the GCVHCS.
- 12. **Privacy Information:** The contractor's on-site construction team and repair team members shall secure (in a sealed envelope) and relinquish any documentation found anywhere on VA grounds that contains sensitive patient and/or employee information (i.e. privacy information) within 60 minutes of finding such documentation to Ms. Melanie Lane, VAGCVHCS (Biloxi) Privacy Officer, Bldg. T-102, Room A132, Phone: (228) 523-5526. If Ms. Lane is not available, please relinquish any documentation found to the Police Service (Bldg. 17).
- 13. **Privacy & Any Other Required Training:** Mandatory GCVHCS provided Privacy Training and any other required training shall be completed by all contractor employees directly associated with this contract before any work begins under the contract. Approximately one (1) hour of annual Privacy Training and other required training shall be provided for all employees associated with this contract who shall be required to read over and sign the training documents or complete on-line computer training. These training documents shall then be forwarded to the Contracting Officer prior to work beginning either by hard-copy or internally by system-generated documentation. Any new contractor employee(s) associated with this contract hired after the contract becomes effective shall complete the mandatory GCVHCS provided Privacy Training and any other required training prior to starting work.
- 14. **Contractor Rules of Behavior Training:** Mandatory GCVHCS provided Contractor Rules of Behavior Training shall be completed by all required contractor employees directly associated with this contract before any work begins under the contract. Approximately one (1) hour of annual Contractor Rules of Behavior Training shall be provided for all employees associated with this contract who shall be required to read over and sign the training documents or complete on-line computer Contractor Rules of Behavior Training. These training documents shall then be forwarded to the Contracting Officer prior to work beginning. Any new contractor employee(s) associated with this contract hired after the contract becomes effective shall complete the mandatory GCVHCS provided Contractor Rules of Behavior prior to starting work.

15. **Terms of the Contract:** Failure of the contractor to perform according to the requirements of the PWS or anything other part of the contract shall be grounds for immediate termination of the contract.