



Mobile Medical Unit

The State of Tennessee, Department of General Services is seeking bids for the procurement of a Recreational Vehicle (RV)-style mobile medical unit. This self-contained and fully equipped vehicle shall serve as a portable healthcare clinic, providing essential medical services and outreach programs to underserved communities across the region. The mobile medical unit shall adhere to specified dimensions, feature specified medical equipment, ensure Americans with Disabilities Act (ADA) accessibility, not require a Commercial Driver's License (CDL) to operate, and comply with safety standards while offering a comfortable and efficient environment for both patients and medical staff. The Contractor shall be responsible for providing a mobile medical unit that meets all specifications, along with providing training and regular updates on the progress of the project. The target delivery date for the fully operational vehicle is May 1, 2024.

Vehicle Specifications for Mobile Medical Unit are listed below:

- Vehicle Type:
 - The mobile medical unit shall be on a chassis such as an F-550 or larger (or equivalent brand). It shall not require a CDL to operate. The mobile medical unit shall be new, including the engine and chassis. The unit can be custom or pre-built, granted it meets all specifications and can be delivered within the specified timeframe.
 - Engine: The vehicle shall be equipped with a **diesel** engine large enough to support the operation of the vehicle.
 - Transmission: The vehicle shall have an automatic transmission for ease of operation and maneuverability.
- Size and Dimensions:
 - Length: The vehicle shall have a length between 30 and 37 feet to ensure maneuverability and accessibility in various locations.
 - Width: The width shall be designed to meet road regulations while accommodating the necessary medical facilities and equipment.
 - Height: The vehicle shall comply with standard height restrictions for road clearance and bridge passage. The maximum height shall be under 13 feet.

- Exterior Features:
 - External Awning: The mobile medical unit shall be equipped with an external awning to provide shelter and protection from the elements when the unit is deployed for services.
 - Logos/Graphics/Vehicle Wrap: The vehicle shall feature the logos or graphics specified by the State. The State shall provide the necessary logo/graphic to be featured on the mobile medical unit. The Contractor shall collaborate with The Tennessee Department of Health (TDH) to design the vehicle wrap and ensure appropriate logo placement, following the department's branding guidelines and achieving a cohesive visual representation of the mobile medical unit.
 - Scene Lighting: The mobile medical unit shall have exterior scene lighting on each side of the unit to provide adequate illumination during nighttime operations or in low-light environments.
 - Backup Camera: A backup camera shall be installed to enhance safety and assist in maneuvering the vehicle in reverse.
 - Electrical Outlets: Exterior electrical outlets shall be available to power external equipment or support activities conducted outside the mobile medical unit.
- Accessibility Features:
 - ADA Lift: The vehicle must be equipped with an ADA-compliant lift to ensure accessibility for individuals with disabilities, enabling them to enter and exit the unit comfortably and safely.
- Interior Layout and Equipment:
 - Interior Features: The flooring shall be constructed of a non-slip material, designed for medical applications. The minimum height shall be 82 inches, and the width shall be dependent upon Contractor's design. All countertops shall be solid surfaces and all features shall be cleaned easily.
 - Reception Area: A designated reception area shall be included to facilitate patient check-in and administrative tasks. It shall have seating for patients and a registration desk/workstation that includes a storage area for a printer.
 - Exam Rooms: The mobile medical unit shall have two fully functional exam rooms with locking doors. Each room shall be equipped with a patient examination table, seating for medical staff, storage cabinets for medical supplies, and lighting that is sufficient for health exams, treatments, and administrative tasks throughout the mobile medical unit. At least one of the examination tables shall be the standard size of 46.6" L x 20.5" W x 33.13" H.
 - Wall Mounted Equipment: The exam rooms shall include Welch-Allyn or equal wall-mounted diagnostic tool set (otoscope, ophthalmoscope, specula dispenser,

thermometer, aneroid sphygmomanometer). Four wall-mounted hand sanitizer units shall be included in the unit, with at least one in each exam room.

- Blood Draw Chair (optional): If the design allows, the mobile medical unit shall be equipped with a blood draw chair to facilitate blood collection procedures safely and comfortably for patients. If the design does not allow for the placement of the blood draw chair, it can be removed.
- Bathroom: The vehicle shall be equipped with a bathroom that includes a sink with hot and cold running water, toilet, vent fan, and sufficient privacy for patients and staff. The bathroom shall include a paper towel dispenser, hand soap dispenser, tissue dispenser, and trash receptacle. The bathroom shall have a specimen passthrough for a patient to pass specimens to staff.
- Handwashing Sinks: In addition to the bathroom sink, at least one additional handwashing sink shall be available in a separate area for staff and patient use and shall include a paper towel and hand soap dispenser.
- Storage Cabinets: The storage cabinets shall be lockable to securely store medical supplies and equipment.
- Medical Grade Refrigerator: The mobile medical unit shall be equipped with a medical-grade refrigerator to store temperature-sensitive medications, vaccines, and other perishable medical supplies in a controlled environment.
- Needle/Sharps Containers/Disposal: Proper needle and sharps disposal containers shall be installed to ensure safe and proper disposal of used needles and sharps. One container shall be installed in each exam room.
- Glove Dispensers: The mobile medical unit shall have glove dispensers installed at appropriate locations, both inside and outside of the exam rooms, to provide easy access to disposable gloves for medical personnel.
- Waste Cans: Adequate waste cans shall be available throughout the mobile medical unit to facilitate proper waste management and disposal of non-hazardous waste.
- Generator and Electrical:
 - A reliable generator shall be installed to provide power for all medical equipment, lighting, HVAC system, the medical-grade refrigerator, and other electrical needs within the mobile medical unit, ensuring continuous functionality in various settings.
 - The vehicle shall have both exterior and interior electrical outlets to support the operation of medical equipment, charging devices, and other electrical needs.
 - Shoreline and Transfer Switch: The vehicle shall be equipped with a shoreline and a transfer switch to allow for seamless transition between generator power and external power sources when available, providing flexibility and ensuring a reliable power supply.
- Heating, Ventilation, and Air Conditioning (HVAC) System:

- The mobile medical unit shall have a dedicated HVAC system capable of providing adequate heating, ventilation, and air conditioning to maintain a comfortable and controlled environment within the unit, ensuring the well-being of patients and staff.
- Safety and Compliance:
 - The mobile medical unit shall comply with all applicable safety regulations, codes, and industry standards related to healthcare facilities and vehicles.
 - Adequate fire safety measures, including smoke detectors and carbon monoxide alarms, shall be incorporated to ensure early detection and response to potential hazards.
 - The vehicle shall include at least a 5lb fire extinguisher mounted inside the unit.
- Additional Requirements:
 - Delivery Date: The mobile medical unit shall be delivered and fully operational by May 1, 2024. Vendors shall include a clear timeline for the manufacturing, customization, and delivery of the vehicle in their bids.
 - Submission of Drawings: Respondents shall submit drawings or blueprints of the proposed mobile medical unit along with their bids. These drawings shall include floor plans and specifications for all installed equipment and facilities.
 - Weekly Progress Updates: Throughout the construction and customization process, the Contractor shall be required to provide weekly progress updates to the Tennessee Department of Health. These updates shall include the status of the project, any challenges faced, and an estimated timeline for completion. Updates shall be provided to the points of contact listed below.
 - Training on Vehicle Operation: The Contractor shall be responsible for providing in-person comprehensive training to the staff of the Tennessee Department of Health on the operation and maintenance of the mobile medical unit. This shall be a one-time training provided after delivery, to be scheduled after award. This training shall take place at the East Tennessee Regional Health Office at 2101 Medical Center Way, Knoxville, TN 37920 and shall cover all systems, equipment, and safety procedures to ensure efficient and safe operation.
 - Warranty: The Contractor shall provide a comprehensive warranty for the mobile medical unit, covering all components and systems, including but not limited to the vehicle structure, medical equipment, HVAC system, electrical systems, and interior fixtures. The warranty shall meet or exceed the industry standard time/mileage for warranty expiration.
 - Delivery: Delivery shall consist of the mobile medical unit, invoice, and the original Manufacturer's Statement of Origin. Delivery shall be made to Vehicle and Asset Management (VAM), 6500 Centennial Blvd., Nashville, TN 37243 on or before the specified delivery date. The delivery point of contact shall be Scott Shinnaberry at 615-532-9005 or Scott.Shinnaberry@tn.gov.

- TDH Points of Contact: The designated points of contact for the Contractor shall be either Chase Watts at 865-274-2477 or chase.watts@tn.gov, or Susan Judlin at susan.judlin@tn.gov. The Contractor shall coordinate all communication, progress updates, and inquiries with the respective points of contact as provided.