



**JEFFERSON COUNTY DEPARTMENT OF HEALTH**

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**Hazel Collins  
Purchasing Agent**

**ADDENDUM NO. 1**  
**ITB #22-03-07**  
**Gas Van Mobile Medical Unit**  
**March 22, 2022**

TO: All Prospective Bidders,

The Invitation to Bid for “Gas Van Mobile Medical Unit” is hereby amended/clarified as outlined in the following manner:

**TO DELETE THE FOLLOWING FROM PAGE 2**  
**The deadline for bidder’s questions is March 22, 2022.**

**TO ADD THE FOLLOWING TO PAGE 2**  
**The deadline for bidder’s questions is March 23, 2022 at 5:00 pm CST**

**TO ADD THE FOLLOWING SPECIFICATIONS OR APPROVE EQUAL:**

**BASIC VEHICLE DIMENSIONS**

Exterior Width: 96”  
Interior Width: 90”  
Interior Height: 84”  
Exterior Height: 11’ 6” (including roof top A/C)  
Exterior Length: approximately 25’  
Interior Load Space: 17’  
Wheelbase: 176”

**CHASSIS SPECIFICATIONS**

**CHASSIS MANUFACTURER**

Ford (gas)

**CHASSIS TYPE**

E450 – Cut Away Cab Chassis, Standard Trim, Power Windows, Power Locks, Keyless Alarm

**ALTERNATOR**

HD

**AXLES**

Front: 5,000 lbs. capacity Twin- I - Beam front axle. Independent suspension with anti-rollbar, HD Shocks.  
Rear: 9,600 lbs. capacity Full floating axle.

**BATTERIES**

12v- volt, 78amp, and 650CCA

**BRAKES**

Heavy Duty power disc brakes; ABS 4-wheel disc w/hill hold assist

**BUMPERS**

Chrome front bumper

**ENGINE**

7.3L V8 OHV 16-valve V-8 Engine, 350 HO @ 3900 RPM, 468 ft. lb. @3900 RPM, Cruise Control with Steering Wheel Controls

**EXHAUST SYSTEM**

Stainless Steel

**FUEL TANK**

55 gallon

**GAUGES**

Oil, Battery, Temperature, Tachometer

**GVWR**

14,500 lbs., Payload 9,060 lbs.

**HEATER AND DEFROSTER**

Cab

**HEADLAMPS**

Single halogen aero-composite

**LIGHTS**

FMVSS 108 compliant

**MIRRORS**

Ford OEM rear-view mirror, Ford OEM side-view mirror on passenger side, Ford OEM side-view mirror on driver side  
Manual telescoping w/power adjust flat lens

**OIL FILTER**

Disposable

**REFLECTORS**

Two (2) on each side and two (2) on rear shall be provided.

**SEATS**

Standard vinyl bucket seats

**SPRINGS, FRONT AND REAR**

Front: 5,000 lbs. Capacity front coil spring

Rear: 9,600lbs. Capacity single stage multi-leaf rear springs.

**STABILIZING BAR**

Front

**STEERING**

Power Steering

**SUN VISORS**

Sun visors shall be provided for the driver and passenger.

**TIRES**

LT 225/75R16E

**TRANSMISSION**

Torqshift 6-speed automatic transmission with overdrive

**WHEELS**

16" White Wheels

**WINDSHIELD**

Tinted safety Glass

**BODY SPECIFICATIONS****BODY TYPE**

Rockport, or approved equal

**CONSTRUCTION**

- 17'L X 96" W X 84"H Aluminum Sheet and Post
- Substructure/Flooring: 5" tube shaped long sills, 3" formed channel crossmembers on 16" centers, pneumatically fastened 1/18" laminated hardwood floor, flat floor design
- Sidewall construction: .040 white aluminum skin fastened by rivets approximately every 48", Z shaped galvanized side posts on 16" centers, no plywood lining, no tie rings
- Side skirting: 15" wide, .063 pre-painted white aluminum, full length
- Front wall: 3/8" FRP construction, no set back wall (full cab cutout), 5" extruded aluminum vertical corners extended for side skirting, roof cut out, fiberglass wind fairing with grey colored ABS interior liner, five amber marker lamps in fiberglass fairing.
- Rear section: steel constructed rear section with white enamel finish, sill flush with floor, water trough incorporated, rear LED stop/turn/backup lamps located inside posts, extended for side skirting, deleted roll up rear door, install solid 1/2" FRP filler panel, delete Rockport decals, delete grab handles
- Roof: one-piece .032 aluminum roof, roof bows on 16" centers, recessed LED clearance lamps, delete dome lamps and switches
- Bumper: minimal step bumper, treadplate aluminum with license plate recess and illumination lamps
- Insulation: ceiling, sidewalls, and rear panel to have foamboard insulation glued in place, no liners on sidewalls, no liners on ceiling, floor insulation to be reflex type
- Side door: located curbside 22.50" back from front wall, double aluminum stepwell, 1550 series pre-hung 36" x 78" door, hinge on right side, two rubber plunger style holdbacks, two 12" x 18" fixed dark tint windows located in upper and lower structure of door
- Accessibility door: 47.25" x 60.00" high access door, 500 series pre-hung single door shall be installed per the vehicle's final floor plan.

## **CONVERSION SPECIFICATIONS**

### **AUDIO**

Four (4) speakers shall be installed and tied to multimedia radio installed at wire entry, vehicle control panel. Two (2) volume controls shall be provided. Locations shall be determined during preconstruction process.

- Workstation in exam room
- Intake/Reception desk

### **AUXILLARY STEP**

An electric operated step will be provided below the entrance door. Step shall be a 30" wide tread area to be positive non-skid surface. Step will deploy when door is opened and include a switch on the dash to keep the step deployed. Step will automatically retract when ignition key is activated.

### **AWNING, ELECTRIC**

An electric awning shall be installed on the curbside of the vehicle.

### **CABINETY - FINISH**

All interior cabinets shall be constructed using cabinet grade, hardwood veneer plywood covered with high impact Wilsonart laminate. Customer shall choose from manufacturer's selection of colors during the preconstruction process.

### **CABINETY - CONSTRUCTION**

All interior cabinets shall be constructed using cabinet grade, hardwood veneer plywood covered with high impact laminate.

Interior cabinetry shall be constructed from pre-engineered components produced by a CNC router, with accuracy to design of +/- .002".

Component design files shall be kept by the vendor for a minimum of 15 years to allow for identical field replacement should such become necessary. All cabinet components shall be identified with a UPC bar code and written description to additionally facilitate this requirement. All exposed edges shall have a 3mm, hardened PVC edge band applied to ensure durability and superior aesthetical qualities. Banding shall be applied using AD-20, EVA Ethylene – Vinyl acetate-based adhesive and using only machinery.

Storage – Storage cabinets will be constructed according to final floor plan. Drawers and cabinets will include Southco flush mounted lockable latches.

### **CEILING**

Kemlite L-1062 semi-rigid panel of fiberglass reinforced plastic (FRP). Ceiling will be covered with 1/2" Luann grade plywood then covered with .075" FRP panel. Ceiling will be covered with one continuous sheet and no seams will be allowed.

### **DELIVERY**

A trained driver shall deliver vehicle. Representative will train staff on vehicle, bumper to bumper. Staff members shall be trained to operate every component on vehicle and train other staff, if necessary.

## **ELECTRICAL SYSTEM**

AC Electrical System: Shall be a 120/240 VAC system rated for anticipated conversion load. System shall include 125A rated distribution panel configured with UL listed type magnetic/hydraulic circuit breakers.

System shall be wired using UL approved, tinned copper multi-stranded boat cable. All wiring shall be color-coded: black=hot, white=neutral and green=ground. Additionally, wiring shall be labeled with machine generated, self-laminating labels, listing circuit number and/or designation at all termination points. All wiring shall adhere to applicable NEC and FMVSS regulations.

Wiring shall be supported on 20" to 24" centers with insulated, non-conductive clamps. Wire bundles shall be tied with trimmed nylon ties. Extreme care shall be taken to prevent chafing, abrasion, and exposure to high heat. Wiring run in external areas shall be encased in conduit to further protect against damage.

- Seven (7) Duplex 120v receptacles shall be installed. Location(s) to be determined during preconstruction process.
- One (1) Exterior Duplex 120v receptacle shall be installed. Location to be determined during preconstruction process.

DC Electrical System: Shall be a 12VDC negative ground system rated for anticipated conversion load. System shall include distribution panel(s) using Type 1 automatic reset circuit breakers unless connected component manufacturers specifications require other.

All added circuits shall be protected from over current by circuit breakers rated for a minimum of 125% of anticipated load. Circuit breaker functions shall be clearly designated by printed labels. Wiring shall be labeled with machine-generated, self-laminating labels, listing circuit number and/or designation at all termination points.

Auxiliary battery system shall include (1) Interstate Group 8D deep-cycle battery, (1) 100AMP, three-stage, fully regulated battery charger wired to the 110/120 VAC distribution panel, powered by the generator and/or shore cord mounted in an exterior compartment or suitable alternative. The battery charger must be fully regulated to prevent battery overcharging. In addition, a 3000-watt inverter will be connected to the auxiliary battery, wired directly to the water heater.

Charging system shall include provisions for automatic and manual battery bank merging to provide redundant battery power for vehicle and generator starting. System shall provide battery isolation during operation periods when the vehicle engine is not running to prevent depletion of both battery systems.

### **Wiring Requirements:**

All high-current battery cabling shall utilize full-length cable runs sized to load; splices are not acceptable. Terminal ends shall be crimped with manufacturer recommended tooling and sealed using color-coded wrap.

All added wiring for 12VDC load runs shall be AWG 8, 10, 12, and 14, and conform to MIL-W-1678D type D. Wire terminals used shall conform to MIL-T-7928. Terminals shall be insulated with insulation grip, Type II, Class 2, and crimped with tooling recommended by manufacturer.

All added wiring shall be supported on 20-24" centers and bundles shall be tied with trimmed nylon ties. Entire system shall be installed to modern US automotive standards using best practices available at time of installation. Plastic grommets and/or dielectric sealants shall be used to protect wiring and/or looms where they pass through sheet metal,

bulkheads, or structural supports. Convoluted polyethylene tubing shall be used to protect against chafing and abrasion where required. Extreme care shall be exercised to provide for easy serviceability of the system in future years.

Extreme care shall be taken to avoid the engine manifold, engine exhaust, muffler, or any high-heat items that may subject the wiring to severe overheating during long periods of operation. These shall be the minimum acceptable wiring standards.

### **EMERGENCY EGRESS**

An emergency egress shall be provided, per the vehicle's final floor plan.

### **FLOOR COVERING**

Altro® Transit Style flooring shall maybe installed. Customer will choose from manufacturer's selection of colors during pre-construction process.

### **FLOORPLAN**

Custom floor plan designed and engineered using Computer Aided Drafting (CAD) technology. Floor plan will be provided on Size B paper and designed in 3/8" scale. (D size 1/2" scale also available).

### **GENERATOR**

One (1) Onan Marquis 7.0 kW Gas Generator shall be installed. Generator fuel line will be tied into the existing chassis fuel tank. This fuel line will be installed approximately 1/4 off the bottom of the fuel tank. This is to assure the chassis fuel tank cannot be run out of fuel totally.

The generator shall be mounted beneath the vehicle on the street side, utilizing a "slide out" tray. General generator installation shall be in full accordance with manufacturer's recommendations including any air flow restrictions associated with the installation method.

### **GENERATOR COMPARTMENT**

An all-steel compartment will be designed and built to accommodate the required generator. The compartment will be securely tied into body framework to avoid damage to the compartment and the equipment by road vibration and road surface faults. Generator shall have double swing-out doors for ease of access. The doors will have ventilation panels of louvered metal installed as required to move air over and around the generator, away from air inlets, and meeting manufacturer's requirements. The generator compartment must be insulated to maximum possible for elimination of heat, noise, and fumes to the coach area through walls and/or flooring without interfering with necessary airflow. Black Insulation will surround all possible areas of the generator compartment. The latches will be locking Southco flush mounted latches, keyed alike.

### **GENERATOR CONTROLS**

Generator start stop, and hour meter shall be in the front interior of vehicle.

### **GRAPHICS, FULL WRAP VINYL EXTERIOR**

The design, print and install of full coverage graphics package. Full coverage vinyl graphics package includes all sides and front and back covered with graphics and lettering (including cab and air dam). Graphics will be 3M-vinyl wrap package and will cover all windows with a perforated see-through vinyl. The front cab area windows cannot be covered due to DOT regulations. The roof is also not covered.

## **PAINT**

Vehicle shall be a factory base color of white.

## **HVAC**

Air Conditioning:

Two (2) 13,500 BTU roof mounted Coleman air conditioner, 110 volts. Roof sections shall be reinforced where air conditioner is to be mounted. A remote thermostat shall be installed to control AC Units.

Two (2) 1,000-watt ceiling heaters with remote thermostat shall be installed per the vehicle's final floor plan.

## **INTERIOR LAYOUT**

The interior will be laid out according to final floor plan and will include the following:

- Custom casework and cabinetry shall be installed throughout the mobile unit
- Privacy curtain to close off cab area
- Intake/Reception Area
  - Desk
    - Integrated pencil tray
    - Upper cabinet storage with undercabinet task lighting
    - Steno chair with bungee securement for transportation
    - Bench seat with storage below
- Lab area
  - 5.5 cu ft Summit Medical refrigerator with digital thermostat and upper cabinet storage with undercabinet task lighting
  - Stainless steel sink with paddle valves and gooseneck faucet and paddle valves
    - Soap dispenser
    - Paper towel dispenser
    - Integrated trash receptacle with cabinet front access
    - upper cabinet storage with undercabinet task lighting
- Exam Room
  - Provider's workstation
    - Integrated pencil tray
    - Upper cabinet storage with undercabinet task lighting
    - Doctor's stool with bungee securement for transportation
  - Midmark 224-002 Exam Table with 253 exam light
  - Welch Allyn diagnostic tool set
  - Sharps container and glove box dispenser
  - Interior wheelchair lift with vinyl cover
- Restroom
  - 12V exhaust fan
  - Toilet (Sealand – White)
    - Toilet paper dispenser
    - Grab handles
  - Stainless steel sink with standard faucet and handles
    - Soap dispenser
    - Paper towel dispenser
    - Integrated trash receptacle with cabinet front access

- Upper cabinet storage
- Mirror
- Specimen pass thru to lab area

### **LEVELING SYSTEM**

Quadra heavy-duty fully automatic one-touch leveling system. The system shall use two-way straight acting jacks. Individual power units are attached to each individual jack.

### **LIGHTING, INTERIOR**

12-Volt LED shall be installed.

### **LIGHTING, EXTERIOR**

One (1) LED scene light shall be installed above curbside entry door.

### **PLUMBING**

The following plumbing and accessories will be installed according to final floorplan:

- 12V water pump
- Fresh/Wastewater System
- Insta-hot water heater
- 20 ft. dump hose with adapter
- Fresh water tank with heater and monitor
- Black water tank with heater and monitor

### **SAFETY EQUIPMENT**

- One (1) Carbon Monoxide
- One (1) Smoke Detector
- One (1) 5 lb. Fire Extinguisher
- One (1) Back-Up Alarm
- One (1) Set of Reflective Triangles
- One (1) First Aid Kit
- Tri-View Camera System
- Audible alarm system with door sensors
- Two (2) full sets of keys shall be included

### **SHORELINE CORD**

Heavy-duty rubber covered 120/240-volt shoreline twist lock cord to be provided, 50' minimum length. Transfer switch to prevent simultaneous use of generator and shoreline cord will be in interior front of vehicle.

### **WALLS**

Pre-laminated panels to the walls. Seams will be trimmed with coordinating "T" Molding. All seams should be evenly spaced (1/8") and screws along the seams should be covered by the "T" molding. Customer shall choose from vendors selection of colors during preconstruction process.

### **WIFI CONNECTIVITY PACKAGE**

The following wireless equipment (or approved equal) will be installed according to final floorplan:

Wi-Fi:

- Peplink MAX BR1 Mini LTEA (Americas/EMEA)
- Wilson 556249 Signal 4G Repeater Kit AKA Weboost
- Mobile Mark LT401-CCJC-W240 Multi-band MIMO-LTE/Wi-Fi/GPS Antenna

This addendum is considered to be a vital part of the ITB and must be submitted with your response. All other terms and conditions of the RFP remain unchanged and in effect.

Regards,

*Hazel L. Collins, CPP, CPPM*

**Hazel L. Collins, Purchasing Agent-HD, CPP, CPPM**  
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**BN: 3/25/2022**