



Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
ONE CAPITOL HILL
PROVIDENCE RI 02908

CREATION DATE : 03-OCT-17
BID NUMBER: 7565530
TITLE: MEDICAL MOBILE UNIT - UNIVERSITY OF RHODE ISLAND

BID CLOSING DATE AND TIME:06-NOV-2017 10:00:00

BUYER: Mosca, Gary
PHONE #: 401-574-8124

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URI ACCOUNTS PAYABLE
CARLOTTI ADMINISTRATION BLDG
75 LOWER COLLEGE ROAD, SUITE 1
KINGSTON, RI 02881
US

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URI SPECIAL INSTRUCTIONS
SEE BELOW
SEE BELOW, RI N/A
US

Requisition Number: 1530495

Note to Bidders: QUESTIONS about this solicitation must be emailed and received by the Division of Purchases at doa.purquestions3@purchasing.ri.gov no later than October 16, 2017, 5:00 PM, in a Microsoft Word attachment with the corresponding solicitation number. Questions, if any, and responses will be posted on the Division of Purchases website at www.purchasing.ri.gov as an addendum to this solicitation

Line	Description	Quantity	Unit	Unit Price	Total
1	Medical Mobile Unit for the University of Rhode Island, PER ATTACHED SPECIFICATIONS. Delivery location: University of Rhode Island Facilities Services Automotive Shop 60 Tootell Road Kingston RI 02881	1.00	Each		

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

**State of Rhode Island on behalf of the University of Rhode Island Institute for
Integrated Health and Innovation**

Solicitation 7565530

Mobile Medical Health Unit

GENERAL:

The following specification is to design, provide, deliver, and provide training for the operation of one new 40 ft. long non-CDL mobile medical health unit for the University of Rhode Island Institute for Integrated Health and Innovation (URI-IIHI). The vehicle shall include rooms, casework, desks and chairs, utility areas, storage, lavatories, lighting, insulation, and any other amenities specified in this solicitation. All specifications listed within this bid packet are minimum requirements. The completed unit shall meet all applicable documents, publications and standards in effect at the time of manufacture. These shall include, but not limited to, all U. S. Dept. of Transportation [DOT] and Federal Motor Vehicle Safety Standards [FMVSS], requirements as applicable.

Any manufacturer's deviation from the specification, no matter how minor, shall be noted on a separate sheet and be referenced to the section. The deviation shall be explained in detail and identified as an Exception, Clarification or Enhancement.

VEHICLE, GENERAL SPECIFICATIONS:

The mobile medical health unit will be constructed on a new, unused 2018 or newer Freightliner model M2 106 chassis or equivalent, with specifications listed below under 'Front Cabin Specifications'. On the rear of the chassis, will be a new, unused 30 ft. long van body (plus storage area appended to front of rear cabin), with specifications listed below under '*Rear Cabin Specifications*'. The driver cabin (front of unit) and the van body (rear of unit) will be separate from each other for the purpose of the patients in the health unit shall not be able to see any of the driver compartment from inside the rear van body.

Comply_____

DIMENSIONS OF THE COMPLETED MOBILE MEDICAL HEALTH UNIT:

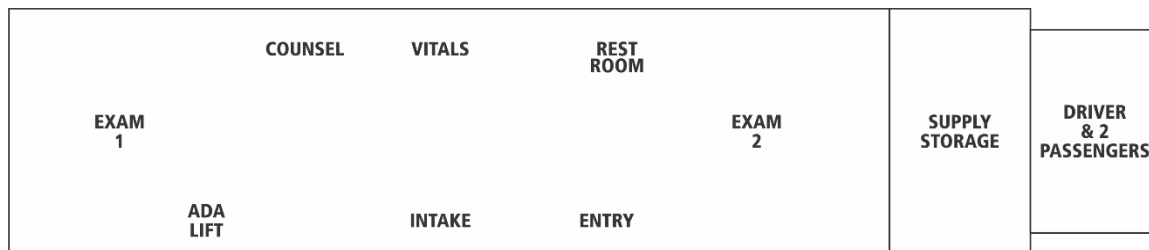
The total length of the mobile medical health unit, including both front driver cabin and rear van body cabin, shall be nominally 40 feet, except for mirrors or other specified appurtenances to the length of the unit. The width of the unit shall not exceed 8½ feet, except for mirrors or other specified appurtenances on the side of the unit. The overall height of the unit is to be no more than 13 feet 2 inches. The interior ceiling height of the van body (rear cabin) must be a minimum of 8 feet 0 inches. The interior width of the van body (rear cabin) must be a minimum of 7 feet 11½ inches, except for cabinetry specified.

Comply_____

BASIC LAY OUT [FLOOR PLAN] OF THE COMPLETED MOBILE MEDICAL HEALTH UNIT:

Bidder must provide a detailed floor plan, including all equipment specified and placement thereof. Drawings must be to scale and will be evaluated for completeness, appropriateness to our needs for the mobile unit. At a minimum, bidder must provide detailed scale elevations of

the unit, and a completely detailed scale floor plan, including cabinets, exam equipment, etc., as outlined below. Below is a rough floor plan with our minimum needs: *[not to scale]*



Comply_____

SAFETY OF MATERIALS

The vehicle must meet or exceed Federal Motor Vehicle safety standards. Bidders should submit a listing of any other safety features included with their vehicle.

Comply_____

FRONT CABIN SPECIFICATIONS

Base model Freightliner M2 106 or equivalent to include the following, at a minimum:

12 volt electrical Comply ____

Include lighter for extra 12vdc outlet.

Air cleaner Comply ____

Dry-type standard filter element

Air compressor Comply ____

18.7 CFM, 2 cylinder, water-cooled

Air conditioning Comply ____

With integral heater and defroster, fresh air filter, and premium hoses

Air dryer Comply ____

With heater

Alternator Comply ____

160 amp, brushless 12 volt, pad-mounted

Antifreeze Comply ____

Extended life coolant to -40F&C in a de-aeration system with surge tank and premium rubber radiator hoses

Axle, front Comply ____

I-beam type, 12,000 lb. capacity

Axle, rear Comply ____

Single reduction 21,000 lb. capacity

Base model Comply ____

M2 106 SBA 4X2 cab or equivalent to include five clearance/marker lights that are flush-mounted; cloth interior; molded door panel with upper vinyl inserts; mats with single insulation, forward roof mounted console with upper storage compartments and additional center compartment without netting; in dash storage bin; 2 cup holders in dash; flat dash; integral door panel armrests; cloth seat covers; 3-point driver and

passenger seat belts; driver/passenger interior sun visors; driver and center instrument panel; gauge bezels; coat hook located on rear wall, centered above rear window; grab handles on cab interior; two steps per door; gauge cluster in English with English electronic speedometer including odometer display, miles, trip miles, engine hours, trip hours, fault code readout, low fuel warning system, low oil pressure, high engine coolant temperature, and low battery voltage (visual and audible), five-gauge cluster for engine oil pressure (electronic), water temperature (electronic), fuel (electronic), DEF (electronic), tachometer (electronic), and voltmeter

Batteries

Comply ____

Dual maintenance-free 12-volt 2,250 cold cranking amperes total. Add third battery for generator operations.

Battery, redundant switch system Include a special switch that allows vehicle battery to start generator, or generator battery to start vehicle.

Block heater

Comply ____

Receptacle for 115 volt 1,000 watt block heater mounted below driver's door.

Brake, retarder

Comply ____

Off/low/high compression, exhaust-type

Brakes, air

Comply ____

Antilock 4-channel air brake system with air compressor, naturally-aspirated air supply lines, twin brake chambers, rear spring brake for parking, color coded nylon air lines, front and rear automatic slack adjusters, parking brake valve knob color-coded yellow on instrument panel, twist type drain valve, spring brake modulator valve, two air pressure gauges located in instrument cluster. Front air cam to be S-cam 15.0" x 4.0", including 20 sq. in. long-stroke brake chambers; Rear air cam to be air cam 16.5" x 7.0"; including long-stroke brake chamber and heavy duty spring actuated parking brake.

Bumpers

Comply ____

Full width aerodynamic chrome plated steel, 0.142 in. material thickness. Rear bumper to be DOT-compliant steel.

Cab, conventional

Comply ____

106" BBC flat roof aluminum

Crossmembers, after-frame

Comply ____

At least two after-frame cross members.

Electrical system

Comply _____

12-volt standard equipment including fuses, electrical SAE blade-type fuses that are manual-reset (main panel) SAE type III with trip indicators (except 5-amp fuses), self-cancelling turn signal switch headlight dimmer (with flash-to-pass feature), parking light integral with front turn signal and dual rear tail light, stop, turn, tail & back-up lights with reflector; key-operated electric starter switch, dual turn signals flush mounted including reflectors and auxiliary side turn signals, solid state flashers, data link connector in cab for vehicle programming and diagnostics, chassis wiring color coded and continuously numbered

Emissions

Comply _____

Federal emissions requirements for all 50 states

Engine, diesel

Comply _____

Cummins ISL high torque diesel engine or equivalent meeting all 50 state emissions regulations, 300 hp, 860 lb-ft torque @ 1,300 RPM, 2,400 RPM governed speed, No. 2 bell housing, including the following: gauge, air cleaner restriction (air cleaner mounted); fuel/water separator mounted on engine and fuel filter in a single assembly; cold starting equipment intake manifold; electric grid heater with engine ECM control; wet type cylinder sleeves; electronic cruise control with controls integral to steering wheel; electric key-operated engine shutdown; electronic road speed governor; magnetic engine oil drain plug; engine spin-on type oil filter; optimized position fan

Exhaust and muffler

Comply _____

Exhaust system to be single horizontal stainless steel muffler with internal catalytic converter, frame mounted to right side. Exhaust system to include a 3-position switch for exhaust for Momentary, Lighted Momentary, and On-Cancel functions.

Frame rails

Comply _____

Frame rails made from heat treated alloy steel (120,000 PSI yield strength); 11/32X3-1/2X10-15/16 inch steel frame (8.73MMX277.8MM/0.344X10.94 INCH) ; 456.0" (11,582mm) maximum overall length, plus necessary frame extension and two additional cross members for body length.

Fuel tanks

Comply _____

Two (2) Top-draw D-style twin tanks, aluminum, totaling 92 US gallon total capacity plus 6 gallon diesel-exhaust fluid (DEF) capacity, 16" tank depth, mounted under cab left and right sides, with Nylon snap-on tubing with O-ring quick-connect fittings

Glass, window

Comply _____

All windows to have tinted glass

Grille and hood Comply ____

Chrome, with insulation and splash panels under front tilting hood.

Gross Vehicle Weight Comply ____

Rating (GVWR) 33,000 lbs.

Headlights Comply ____

Two (2) Halogen headlights with composite aero design for two light system, including daytime running lights

Horn Comply ____

Dual-electric and air-operated, 14 inch

Mirrors Comply ____

Two (2) Power with heated headsLang-Mekra style or equivalent mirrors that are rectangular measuring 7.09" x 15.75" each with breakaway brackets, 102" wide spacing with integral convex both sides, with all thermostatically-controlled heated heads, LED clearance lights, powered both sides, bright heads & brackets

Paint Comply ____

Paint is one-color solid white

Radiator Comply ____

Aluminum 2-row cross flow over-under radiator system with 1,100 sq. in

Radio, driver Comply ____

AM/FM stereo with CD player, clock, includes multiple coaxial speakers, aux inputs.

Seat, driver Comply ____

Air suspension high back driver seat with integral headrest, vinyl covered and isolated with 2 position front cushion adjustment; -3 to +14 degree seat back adjustment, and single chamber air lumbar support. Include 3-point lap and shoulder belt

Seat, two-man passenger Comply ____

Passenger seat with integral headrest, vinyl covered with fixed back, including 3-point lap and shoulder belts

Suspension, front Comply ____

Suspension to be spring parabolic tapered leaf with 12,000-lb capacity; with shock absorbers

Suspension, rear air ride

Comply ____

Single-axle ride-optimized suspension, 21,000-lb capacity, 9.25" ride height, with shock absorbers

Throttle hand control

Comply ____

Electronic engine speed control, stationary, variable speed, mounted on steering wheel.

Tires

Comply ____

Six commercial-grade tires, each 295/75R22.5, 14 ply

Tow hooks, front

Comply ____

Two (2) Frame-mounted tow hooks

Transmission, automatic

Comply ____

Allison or equivalent push-button 3000-EVS close ratio 5-speed automatic transmission with overdrive, on/off highway, including oil level sensor, less retarder, with 80,000-lb GVW & GCW maximum, with water-to-oil type oil cooler in combination with air-to-oil type cooler for synthetic transmission oil

Trim, premium

Comply ____

Trim to include all of the following items: tilting steering column; cab sound insulation over dash and engine cover; overhead molded plastic consoles with dual storage pockets and retainer nets; pockets for CB radio with hold-down; compass and temperature display; auxiliary visor; reading lights with A-pillar cover of molded plastic; printed cloth headliner; instrument panel trim in color to be determined, hidden cup holder; rectangular center mounted dome light integral to console door and activated, timed theater dimming; twin courtesy lights mounted under instrument panel; three sun visors of padded vinyl with one auxiliary visor (front only), driver side and two moveable (front-to-side) primary visors; driver side vanity mirror and toll ticket strap; storage pocket on doors of molded plastic (carpet texture), all exposed interior sheet metal to be covered except for the back panel; and two door trim panels with cloth insert on bolster

Wheelbase

Comply ____

287.00 inches, cab-to-axle 219.00 in., axle-to-frame: 140.00 in.

Wheels

Six (6) White 22.5 in. painted steel, 10-stud (285.75mm BC) hub piloted, flanged nut, metric mount, 8.25 DC rims with steel hubs, including grease lubricated seals

Windows

Comply ____

Two (2) Power, with power locks on left and right doors (may de-activate with burglar alarm).

Wipers, windshield

Comply ____

Two (2) Single motor electric windshield wipers to be cowl mounted with 2-speed integral switch with turn signal switch including wash and intermittent feature. Headlights turn on automatically when wipers are activated.

Specify Alternatives to the above (if responding to 'No' to complying with any item):

REAR BODY SPECIFICATIONS

Framing for the body, underbody and roof shall be constructed of steel and aluminum sections. Steel structural members shall be arc welded or riveted and reinforced at joints to fulfill the dynamic and static loading requirements specified herein. Where splices are necessary, they shall be designed to avoid stress concentration. Splice welds shall be continuous. Welding material shall be compatible with the material being welded. Structural member shall be designed to accept the loads imposed by the factors specified. Additional structural members shall be furnished to reinforce door and window openings, the expandable side room opening and other openings.

CROSSMEMBERS

Comply ____

Four inch high-tensile I-beams. 80,000 PSI min. yield on 16 in. centers. Attached with four ¾ in. grade 5 cadmium plated steel bolts. Extra wide 5 in. steel end clips welded to cross members and separated by .020 thick Formica plus Mylar electrolysis barriers between cross members and aluminum lower rail.

DOOR FRAMES, EXT.

Comply ____

Exterior door frames to be made from formed 2 in. by 3 in. 1/8 in. thick aluminum vtubing.

FLOOR, GENERAL

Comply ____

A composite floor system consisting of a 1 in. thick polyester-fiberglass mix, with three 5/16 in. diameter heat-treated torque head screws per 12 sq. in. including edge boards on an alternating flange.

FLOOR, STORAGE

Comply ____

A fiberglass reinforced composite floor system in the storage area with 800 lb. storage capacity. Use 54 in. galvaneal and aluminum posts welded at top and bottom, riveted to outside panels with 3/16 in. rivets.

SIDE RAILS

Comply ____

Lower rails are to be riveted with solid buck rivets on 2 in. centers into blade-style heavy duty extruded aluminum 6061-T6. Upper rails are to be riveted with solid buck rivets on 3 in. centers into blade-style heavy duty extruded aluminum 6061-T6.

WALL PANELS

Comply ____

.050 thick aluminum pre-painted white panels attached on 2 in. rivet centers at the lap using 3/16 in. solid rivets, ¾ in. wide weather sealant closed cell PVC foam tape installed at panel laps prior to rivet attachment, in order to provide a barrier between aluminum and steel posts, plus preventing leaks in rivet hole attachments and panel lap joints. Aluminum drip rails over each exterior door, riveted on each end.

SIDE POSTS

Comply ____

Aluminum post construction with 1-1/8 inch square Z-posts on 16 inch centers. Each Z-post is fastened to top rail with three ¼ in. diameter solid aluminum squeezed rivets and into the bottom side rail with three ¼ in. dia. solid aluminum squeezed rivets.

MUD FLAPS

Comply ____

Polypropylene anti-sail, secured to underbody.

REAR BUMPER

Comply ____

A bend and twist resistant ICC 4 x 4 inch bumper tube, braced to upper subframe.

TOP RAIL

Comply ____

Extruded aluminum 6061-T6. Shaped to protect clearance and marker lights.

ROOF BOWS

Comply ____

Anti-sag bows on 24 in. centers, 1 in. deep, with one extra at nose for added strength. Attached with ¼ in. solid aluminum squeezed rivets.

ROOF

Comply ____

.040 ga. aluminum, must be one-piece, stretched for tension longitudinally and laterally and bonded to roof bows with silicone urethane compound formulated to be a high strength, elastic, carcinogen-free sealant adhesive. Perimeter of roof sheet is sealed, riveted on 1½ in. centers and sealed to top rail to prevent water penetration.

AIR & ELECTRICAL SYSTEM

Comply ____

Wiring and plumbing to be harnessed and routed parallel to frame rails. Provide maxi-fuse blocks for 12 volt system, with snap terminals and triple rib rubber seals to prevent corrosion. Electrical lines to be enclosed in protective sheathing section to resist damage and facilitate ease of maintenance and replacement.

PAINT

Comply ____

Body side walls are pre-painted oven-baked white enamel. Other painted surfaces are coated with premium grade, non-hardening rust preventative coating.

LIGHTS, SIDE & REAR

Comply ____

All sealed beams, recessed combination stop-tail, back-up, and directional. Marker: recessed upper front corners and upper side center for ease of maintenance.

INTERIORWALL SYSTEM

Comply ____

All interior walls are to be constructed using the following method: erect min. 1 in. aluminum channel frame, into which place sheets of non-porous, 3mm thick white closed-cell plastic wall covering over 5/8 in. CFC-free urethane foam inner wall, then covered in the back with another layer of 3mm thick white closed-cell plastic for added strength.

Specify Alternatives to the above (if responding to 'No' to complying with any item):

REAR WORKING CLINIC AREA SPECIFICATIONS

REAR CABIN

Comply ____

Manufactured from aluminum or steel, not plastic. Exterior side panels are to be buck riveted to side wall structural members. No bonded or laminated fiberglass exterior wall systems are acceptable. Body framing structure shall include at a minimum the following: The street-side and curbside outermost longitudinal members at the roof level shall extend the full length of the mobile unit and shall be utilized to join full width roof bows. Vertical members, consisting of corner and intermediate posts, shall be inserted between and employed to combine the roof structure to the bottom frame; The corner sheets shall be one-piece .035 inch steel, with 4-6 inch corners without splice, between the storage floor structure and bottom frame. The intermediate posts shall be continuous without a splice between the roof structure and the chassis frame except at the door and window opening areas. The intermediate posts shall be spaced on not more than 24-inch centers except different intervals shall be permitted at door and window areas.

Alarm, burglar

Comply ____

Intrusion alarm system with minimum two transmitters, panic mode, remote valet, silent mode, 126 decibel siren, visual and audio effects, visual deterrent LED, anti-nuisance circuitry, valet switch/emergency disarm, shock sensor in front driver cabin. Sensors to be installed on hood, main entry doors, generator compartment, stair system, and windows larger than 12 in. width.

Alarm, rear back-up

Comply ____

92 decibel intermittent alarm, activated in reverse gear.

Awning

Comply ____

Acrylic, recessed, 9½ ft coverage, with anemometer. Motorized awning with remote control, stainless steel support arms. Awning must extend in less than two minutes to at least 9 feet from side of mobile unit. Awning must not require leading edge leg extensions. When closed, all lateral arms must retreat into weather-shielded container and then into body sidewall. Motor must be tubular type with manual override, 120 volt AC-60Hz, and thermally protected. Awning fabric to be 100 percent woven marine acrylic.

Cabinets, Midmark or equivalent

Comply ____

All casework must be able to pass Joint Commission standards for sanitation and workmanship. Provide healthcare casework which has been manufactured, fabricated and installed to withstand the medical environment and maintain manufacturer's warranted performance without defects, damage, or failure. Each cabinet, upper and lower, must be completely interchangeable to provide either drawers or adjustable shelving, as desired by URI-IIHI. UIR-IIHI will select casework, and colors for cabinets, from items currently manufactured. Casework shall be metal, modular, with each unit

being an individual, interchangeable, integral part of assembly for making up desired casework unit. Each sectional unit shall be rigid and depend on no other component part of complete assembly for its rigidity. Internal components such as drawers, glides, shelves, etc. shall be modular and interchangeable. Finish: premium quality powder coat, baked-on epoxy. Cabinet: 18 gauge cold rolled steel shell; 16 gauge cold rolled steel bottom frames. Deep drawer construction: One piece molded polystyrene drawer bodies with rounded corners; manufacturer's color coordinated with cabinet color. Slide: 88 lb. capacity and heavy duty 150 lb. capacity slide for drawer application. Pulls: Recessed and integrated front panel design, full length; clear snap-on handle with interchangeable vinyl color strips, and optional labeling system. Door construction: Front/Back: Melamine covered vinyl front; melamine back. Core: 45 lb. MDF board, 3/4 inch thick. Hinges: Manufacturer's standard, concealed, self-closing, 110° opening, nickel plated metal. Adjustable shelving: 18 gauge cold rolled steel, painted to match cabinet color; standard reinforced nylon support clips. Door locks: individually mounted, cam style lock or deadbolt orientation with removable lock plug; locks keyed alike. Drawers: central gang lock style orientation with removable lock plug; locks keyed alike. Vertical: Melamine, suede finish. Warranty on cabinetry/casework: repair or replacement, at manufacturer's option, of the parts or the products the defects of which are reported within the applicable warranty period, which must be five (5) years for all casework products and components including door and drawer fronts, casters, and electrical components such as task lights and cords. Three (3) years for task light ballast. One (1) year for plastic laminate top surfaces and accessories.

Ceiling, acoustical

Comply _____

Minimum ceiling height of the acoustical ceiling is to be 7'11". No lower ceiling height will be accepted. No duct work or other equipment can intrude below 7'11". A ceiling grid system shall be suspended beneath the roof of the vehicle, constructed of a rigid grid designed for lay-in type ceiling panels having a nominal size of 24 inches x 24 inches. The grid panels shall be constructed of an acoustical vinyl textured face with a fiberglass substrate. The ceiling panel thickness shall be 5/8-inch with a minimum R-value of 2.6. The ceiling shall be supported adequately to have a hanging capacity of not less than 25 pounds on any one square foot of area. The ceiling panel color shall be white. The fiberglass channel ceiling grid system shall be white. The ceiling panels shall be Class C Fired-Rated in accordance with UL.

Communications, Pre-wiring includes CAT-6 wiring, jacks, and patch panel.

Comply _____

Pre-installed raceways with Category 6 voice and data wiring products including transmission-compliant Category 6 ScTP Spec. 4485 Type MPR/CMR cable, with rip cord installed longitudinally. All wiring products must be tested to, and meet, the ANSI/TIA/EIA 568A and / or ANSI / ICEA S-90-661 and Underwriters Laboratories, Canadian Standards Association, and National Electric Code requirements for inside wiring type cables. Wire will reduce effects of EMI/RFI in hostile electromagnetic environments, suitable for 10BASE-T / 100BASE-TX and 1000BASE-T (Gigabit Ethernet)

connections. It provides performance of up to 250 MHz.. Four pair 24AWG solid bare annealed copper conductors with polyolefin insulation and polyester backed aluminum foil shielding; 0.30 in. outside diameter; DC resistance 8.9 ohms/100m maximum at 20 deg. C. 48-port patch panel.

Communications, computer/router.

Comply ____

Provided by owner, bidder all instal. & wiring Contractor to install URI-IIHI's routers, including wiring and peripherals.

Countertops, solid surface

Comply ____

Counter surfaces shall be constructed from solid-surface acrylic resin composite without wood shimming. Matte or satin finish 1/4 in. thick solid surface countertop surface, with 1-3/4 in. solid surface edging, must be Class 1 (A) fire-rated, hospital-grade. Must be DuPont Corian or equivalent. No countertop laminates acceptable.

Door, interior & exterior

Comply ____

Five (5) (plus one extra for wheelchair entry)

EXTERIOR door to be fiberglass clad with dead bolt lock and window. Exterior door(s) are to be 32 in. wide by 80 in. high, 1-3/4 in. thick, manufactured from fiberglass reinforced polyester (FRP). Doors that are metal or wood with FRP face sheets are strictly excluded. A high-modulus FRP square or rectangular tube subframe with tubular midrail at lock height is to be within the door. Doors shall incorporate chemically-bonded, molded-in FRP edge strips for machining of hardware mortises. No mechanical fasteners allowed. The use or inclusion of aluminum or wood into stile and rail construction is not permitted. A minimum of 900 lbs of pullout strength is required for each hinge screw. Cutout for door window (8 x 30 in.) is to be totally enclosed by internal FRP stiles and rails incorporated into subframe.

INTERIOR SWING-TYPE doors to be all-metal construction. All interior doors, except accordion-type doors detailed below, shall consist of a frame, face panels and inner core. The frame shall be constructed of 0.10-inch minimum steel or aluminum with all fasteners of aluminum or stainless steel. The door shall be clad with smooth steel or aluminum face panels. The panels shall have an 18 gage (0.0478 inch) minimum thickness. The panels shall be rigidly connected and reinforced inside with vertical stiffeners. Top and bottom steel or aluminum ledger panels shall be welded to each face panel. The top and bottom panels shall have a 16 gage (0.0598 inch) minimum thickness. Each door shall be insulated with a non-moisture absorbent material to meet a noise transmission class of 20db(A), or greater. The door thickness shall be 1-3/4 inches, plus or minus 1/8 inch. The body structure of the vehicle shall be reinforced at the rough opening. Each interior door, except any accordion doors, shall be mortised and reinforced with at least 12 gage (0.1046 inch) steel at the hinge areas. The interior doors shall be equipped with at least three hinges, except accordion doors. The interior door(s) shall be provided with gaskets and be tightly fitted to insure a seal against the entrance of light and dust. Privacy, entrance or passage cylindrical locksets with lever handles shall be furnished for each door, as applicable. The locksets shall comply with

the applicable Americans with Disabilities Act (ADA). All door hardware shall have a satin chrome finish. Each swing door shall be primed and painted as specified. INTERIOR ACCORDION door(s) must be manufactured with 5-ply laminated impact-resistant covers on both sides, with inner steel lining to deaden sound and increase durability. Adjustable lead carrier must keep lead post plumb with wall for tight acoustical seal. Carrier to be nylon-covered steel ball bearing type. Door covers must be completely replaceable without returning door to factory. Minimum sound transmission class 20db(A) or above.

Electrical, healthcare wiring (NEC 517)

Comply _____

The vehicle shall be equipped with a 120-volt, single-phase, 60-Hertz, 3-wire and a 240-volt, single-phase, 60-Hertz, 3-wire electrical system of sufficient amp capacity to meet all the electrical loads imposed. The electrical system supply shall be from the on board diesel engine generator or the shore power cord. The system shall consist of the following: wiring, main distribution panel board, shore power system, branch circuits, receptacles, lighting and switches as specified herein. The vehicle shall be wired from the main distribution panel board, located in storage attic on straight-truck models, through armored cable or electrical mechanical tubing (EMT conduit). All wiring and cable conductors shall be stranded copper. Wiring shall be color-coded at junction boxes and at the main distribution panel board for identification purposes. The wiring shall be recessed within the body wall or ceiling, supported with straps, clamps and hangers having chafe-proof faces and so installed to prevent vibration. Wiring shall be of sufficient size and gauge to accept the loads imposed in operating the electrical system without loss of dielectric strength. Joints shall be threaded with connections at all lamps and junction boxes. Junction boxes shall be accessible for service and provided with junction box covers. The electrical installation and power distribution shall be in accordance with the National Electrical Code (NEC). A 120/240 volt alternating current, 3 wire, single-phase panel board shall be furnished. The panel board shall be rated for not less than 100 amperes. The panel board shall be equipped with at least 24 spaces for circuit breakers. Circuit breakers shall be of the plug-in type. The green wire and the white wire shall be separate and shall be identified. The panel board shall be equipped with main circuit breaker and bus bar, with a hinged door and flush cover. A branch circuit distribution diagram shall be furnished and affixed to the inside of the panelboard. A transfer switch or isolating safety system shall be installed to prevent an electrical overload from occurring by an accidental combination of the generator and the shore power systems. The isolation system shall have distinct positions to activate either power source, and an "off" position that shall disconnect all power. Receptacles within six feet of any water source shall be of the ground fault interrupter type. The receptacles shall be UL Hospital Grade Listed. Rating-20 ampere/125 volts. Type-2 pole, 3 wire. Each receptacle shall be recessed into the wall and enclosed in a galvanized steel box. The color of the receptacles shall be white. Each receptacle shall be provided with brushed stainless steel cover plate. Receptacle location and type is at the discretion of the bidder, in compliance with NEC, unless specified by owner. Owner-specific receptacle preference will be provided before construction begins.

Extinguisher, fire, in storage loft

Comply _____

Extinguisher to be ABC type, UL and ULC listed, 2¾ lb. suitable for temperature range - 40°F to 120°F (-40°C to 49°C). Cylinder to be epoxy coated steel to resist corrosion,

dents and punctures. Corrosion-resistant aluminum valve and handle with universal pictorial labels with operator instructions.

Floor mat, recessed

Comply ____

Slatted mat to be installed at entry door, recessed flush with tile floor. Mat to be removable for cleaning, with water resistant pan under mat to catch water drips from visitors' footwear.

Flooring, acoustical sub-floor

Comply ____

Sub-floor must be from structural polyester foam reinforced with fiberglass, laid flat across floor beams, then bolted to I-beams under floor. Minimum compression to be 1,252 pounds per square inch (psi); shear strength at 705 psi; and flex modulus at 69,850 psi. All ASTM testing methods.

Flooring, hospital-grade tile flooring

Comply ____

Finish floor of fire retardant, tile floor covering resistant to alkali, grease, and spills.

Freight & delivery charges

Comply ____

Unit must be delivered to URI-IIHI location, FOB Destination.

Generator, compartment

Comply ____

Undercarriage compartment with generator mounted on high capacity slides for easy pull out maintenance or replacement. Sound isolation and rear and underside ventilation provided. Operation capable while in transit. Rear cabin sound levels less than 60db.

Generator, diesel, 12 kw

Comply ____

Generator to be 60 Hz, 120/240 volt, 100.0/50.0 amp single phase, computer-controlled constant speed operation. Special sound-control housing to enclose cooling system and muffler. Genset to produce 12,000 watts of pure sine wave electrical output, with 3-point mounting system to reduce vibration. Top-mounted switches and coolant level check/fill and automatic glow plug preheating. Self-diagnostic capability, with easily accessible maintenance points and switches. Noise level with maximum load is to be 68 dBA or lower inside vehicle. Weight to be 660 lbs. measuring 41.4 in. long, 24.5 in. wide, and 27 in. high. Engine to be 4-cycle, liquid cooled 3-cylinder 1,496 cc 23.1 hp diesel, with brush-type AC alternator, digital voltage regulation, bottom air inlet and outlet, integral enclosed muffler with stationary exhaust pipe connection point, USDA-approved spark arrestor, internal radiator, sound insulated cover with cooling air inlet and outlet ducts, intake silencer, heavy-duty air cleaner, maintenance-free electronic governor, fused DC circuits, automotive type starter, hour meter. To meet 1999 U.S. EPA and California emissions standards. Waterproof connector for remote operation, focalized mounting system, overvoltage, low oil pressure, overtemp, overspeed, and overload safeties. Bulkhead type connections for fuel and battery. Terminal block connection for AC output. Electric fuel pump, fuel filter, full flow oil filter, instant one-touch stop control system with microprocessor control. Integrated generator and engine control, user and

service personnel accessible diagnostics. Insulation System: Class F per NEMA MGI-1.65 and BS 2757, insulating varnish conforms to MIL-1-24092, Grade CB, Class 155C. Performance to be as follows: voltage Regulation No Load to Full Load: $\pm 1\%$; Frequency Regulation No Load to Full Load: $\pm 0.1\%$; Random Frequency Variation for Constant Loads: $\pm 0.5\%$; Random Voltage Variation for Constant Loads: $\pm 2\%$; Maximum Operating Ambient: Efficient radiator cooling system to permit operation at ambient temperatures to 120 deg. F.

Glove Dispenser

Comply ____

Glove dispenser; wall mount

Graphics, exterior

Comply ____

URI-IIHI to select a graphics package up to \$7,500 for the exterior of the mobile unit using 3M, Avery Dennison or equivalent exterior grade vinyls totaling 50 percent coverage of the vehicle sides. Body décor is to be rendered in a combination of premium exterior grade vinyl and/or paint. Four-color process printed vinyl is to be 3M Controltac Plus Graphic Film w/Comply Performance, number 180C or equivalent. All printed vinyl must be coated with 3M Scotchcal luster-finish overlamine or equivalent to provide outdoor graphics with protection against the elements, including UV rays. Solid color vinyl, if used, is to be vinyl film that is 2.0 mil opaque high-gloss high-performance cast film with 1.0 mil acrylic adhesive with liner of 78 lb. white bleached kraft. Some large color block areas of the design may be rendered onto the properly-prepared body sheathing in automotive paint that is a fast-drying single stage polyurethane finish designed suitable for vehicle refinishing. Various preparation chemicals, such as hardeners and dry additives, can be used to prepare and cure the paint to a gloss finish. Exact lettering, size and layout shall be provided to the bidder within 60 days after award of the contract.

Height, rear cabin inside

Comply ____

8 feet, 0 inches nominally

Hook, clothing

Comply ____

Three (3) each, Provide dual robe hooks for patient garments.

HVAC - air conditioning 3 ton wall

Comply ____

Provide a split or wall-mount HVAC system with the following features at a minimum: fully-ducted system, no rooftop air conditioners permitted. System capacity must be 40,500 BTU/h rated capacity or higher, driven by a scroll-type compressor and R-407C EPA-compliant refrigerant. Anti-short cycle protection and soft-start controller must be included. Axial condenser fan required. Exterior of HVAC unit to have gloss white powder-coated sheet metal panels. Inside ceiling must have adjustable diffusers for air supply ducts with a filtered return air supply. System must be designed to maximize infection control, air flow, and cooling. Five thousand watt heating capacity must be

included. System to run from 230VAC, single-phase, 60Hz power with standard on/off operation.

HVAC - heating, diesel

Comply ____

Three (3) Exterior self-contained, diesel-fired heating units. No roof-top blower air conditioners are acceptable. Each heating unit shall have a 9,000 BTU/h rated capacity. The unit shall be designed and constructed for use in mobile vehicle operations, mounted and insulated to prevent transfer of vibration. The system shall be furnished with under-cabinet heat diffusers to provide forced air heating from floor level when necessary. The system shall be provided with a rheostat for each heating unit.

HVAC - undercarriage heating system

Comply ____

Exterior self-contained, diesel-fired heating units; 9,000 BTU/h rated capacity. The unit shall be designed and constructed for use in mobile vehicle operations, mounted to prevent transfer of vibration. The system shall be furnished with heat diffusers to provide forced air heating. The system shall be provided with a rheostat for each heating unit.

Insulation, rear cabin, triple foam

Comply ____

Insulation shall be installed to fill the cavities in the walls and ceilings. Walls shall have a R-value of not less than 20; ceilings shall have a R-value of not less than 30. All insulation shall not support combustion or sustain flame, mold, rot, support vermin, corrode metals, absorb odors, and shall be essentially odorless. The insulation shall not disintegrate under exposed operational or storage temperatures, or settle and leave voids. Means shall be provided to drain condensation to the ground but not allow road splash to enter the insulation cavities. Fiberglass batt insulation shall not be used. The product to be used is a 5/16 in. layered insulation comprised of an outer aluminum foil shielding barrier, then an inner core of closed cell poly, and a third outer layer of foil. The layers are to provide condensation, radiant and thermal barriers that excel over typical fiberglass batt or foam insulation.

Insulation, winterizing, underfloor

Comply ____

Insulation shall be installed in areas below the subfloor and below the floor of any expandable side rooms. The floor shall be undercoated with 2 to 3 in. of insulating CFC-free foam to R-15 or better. Insulation in these areas shall be spray-in-place urethane foam having a minimum thickness of 2 inches. Spray-in-place urethane foam insulation shall have a Class-A fire retardancy under ASTM test procedure E-84.

Interior décor, upgrade

Comply ____

Custom design and installation of upgraded décor package. Includes installation of custom wallpaper, upholstery, and lighting elements

Landing gear, 4 pt. bi-axis, hydraulic push button

Comply ____

Stabilizing gear must be completely computer-controlled, with no joystick control, and able to be deployed and retracted with hydraulics, and no manual systems. Operating power shall be provided by truck engine on straight truck models and generator power on semi-trailer units. At no time will the gear allow a single leg to operate independently, but rather two legs will always operate in tandem, to avoid racking or twisting the mobile unit. Provide safety lock-out of the system through the ignition system. The system shall automatically level the vehicle through the use of a built-in leveling light display. The system shall be capable of side-to-side and fore and aft leveling that keeps the vehicle within a common plane to minimize twisting. The system shall consist of the following: four hydraulic leveling jacks, pump, 12-volt hydraulic power unit, control panel, reservoir, hydraulic hoses, valving and fittings. The control of the system shall be from a single centralized location, which is protected from the weather. The jacks shall be of the single acting type with spring return. Two jacks shall be mounted on the front of the vehicle and two jacks shall be mounted on the rear. The jacks shall be equipped with self-leveling sand pads. The jacks and components, accessories, and attachments shall withstand, without damage and deformation, the combined static and dynamic forces due to the portion of the gross weight sustained. Each jack shall be mounted to mounting plates to resist forward and reward thrust on the jacks. When placed in the travel position, the jacks shall remain positively locked. Clearance under the rear jacks shall be such that the jacks do not reduce the normal rear departure angle of the vehicle.

Lavatory, w/towel, soap disp, mirror

Comply ____

Four (4) Each stainless steel lavatory must be equipped with nearby stainless steel z-fold towel and liquid soap dispenser. Mirrors in exam and rest room locations.

Lighting, ceiling, rear cabin, LED

Comply ____

LED fixtures and track lighting must be supplied in accordance with URI-IIHI's specifications. Exact placement of the fixtures is to be approved by URI-IIHI with the bidder. The lamp fixtures shall be of the commercial recessed type, mounted into the ceiling and be flush with the ceiling. The light fixtures shall be switched at an easily accessible location in each room. All fixtures shall be securely anchored to prevent loosening or damage due to excessive vibrations caused by rough transit. Light fixtures shall be provided, in such numbers, that a light intensity of 50 foot-candles minimum at 30 inches above the floor is achieved everywhere in the vehicle, except in the storage loft.

Lighting, exterior, scene,

Comply ____

Provide three (3) high intensity light at location(s) specified by URI-IIHI to illuminate parking area when van is on location at night.

Lighting, task, over counter

Comply ____

Provide five (5) task lights at each counter top location where overhead cabinets allow. Each built-in, flush mounted, 115-volt fluorescent task shall have a switch. A light intensity of 70 foot-candles minimum (with task light on) shall be required at each workstation.

Manual, operating

Comply ____

Full set of operating manuals for every major component on the van.

Microwave

Comply ____

850 watts, English/French/Spanish language conversions, child safety lock, digital display, adjustable power settings, auto reheat, auto defrost, specialty functions, 21-7/8" x 16-3/4" x 12".

Photo panels

Comply ____

Four (4) High-resolution photos decoratively mounted to the wall. Photos sealed in clear acrylic frame.

Radio, AM/FM/CD, w/ceiling speakers

Comply ____

True stereo speakers (2) in each main room of the rear cabin must have individual adjustment dials for volume control.

Receptacle, 110 vac, exterior

Comply ____

At least two 110 vac receptacles, with complete weather protection, mounted undercarriage. URI-IIHI to specify location.

Refrigerator/freezer, 2.5 cf-110vac

Comply ____

Refrigeration must be compressor-driven. No absorption units permitted. Minimum 2.9 cu. ft. under-counter refrigerator(s) with for samples must be provided. URI-IIHI to specify location. Unit must run on 110 volt power, and match casework as specified above.

Refrigerator/Freezer for staff /non-medical

Comply ____

Norcold NR751BB or equivalent. Refrigeration must be compressor-driven. No absorption units permitted. Minimum 2.9 cu. ft. under-counter refrigerator(s) with for samples must be provided. URI-IIHI to specify location. Unit must run on 110 volt power, and match casework as specified above.

Rest room, incl. low flow toilet

Comply ____

No chemical toilets permitted. Vacuum toilet system designed for mobile applications, consisting of a vitreous china toilet, vacuum tank, vacuum pump or vacuum generator. Water consumption - 20 ounces per flush maximum. Energy consumption - 40 watts (ac) per flush maximum. Lavatory faucet, blade handles. Capacity-½ gallon per minute. Polished chrome base and water saving aerator. The ceiling ventilator and light shall exhaust to the street-side, not roof.

Rooms built with interlocking panels

Comply ____

Interior wall construction shall be custom-formed panels sandwiched between a 14 gauge extruded aluminum. Straight walls, without curved ceiling-wall junctions, must be provided to provide specified headroom. The wall panels shall be constructed of either .075 inch fiberglass reinforced plastic laminated to both sides of a 1 inch thick closed-cell expanded polystyrene foam substrate, or 3mm expanded PVC, laminated to both sides of a 5/8 inch CFC-free urethane foam substrate. The wall panels shall be held in place by a two-piece (base and trim) division bar system. The wall panels must be easily removable without cutting or damaging the panel. The system shall be designed so that no rivets, screws or fasteners shall be visible. The division bars shall be oriented vertically and spaced to support cabinets, doors and windows. An aluminum channel base shall be furnished to protect the wall panels. The wall panels shall have a matte finish; a gloss finish is not acceptable.

Safety kit, in cab, DOT triangle, flares, and extinguisher

Comply ____

Kit to meet Federal Motor Carrier Safety Administration regulation 393.95 for emergency equipment on power units, including three 17 in. safety triangles and fire extinguisher in metal case.

Seats, drafting

Comply ____

Three (3) Chairs to have commercial-grade vinyl padded seat, contoured back with lumbar support, pneumatic seat height adjustment, adjustable chrome footing, back height and depth adjustment, reinforced molded base, heavy-duty dual wheel casters for easy mobility.

Seat, flip-up, vinyl or fabric, double

Comply ____

Color/upholstery choices by URI-IIHI, fully seat belted to FMVS standards, floor mounted, sprung to store in upright position. Double seat (each 34" x 12" x 31") required. URI-IIHI to select covering for seat(s) from either vinyl or cloth selections.

Sharps Container

Comply ____

Wall mount; 1.5 qt capacity

Shore power cord, 50 ft.

Comply ____

80 ampere, single phase, main shore power cable shall be provided with 100 amp rated connectors to power all rear cabin equipment. The electrical system shall be GFCI protected at every receptacle within 6 feet of a water source. Two shore power receptacles shall be provided in the storage compartment to select generator or shore power. A weather-resistant receptacle and plug on each end of the shore power cable shall be furnished. The cable shall be rated SO by the National Electrical Code. The wire gauge shall provide for a rating of 80 amperes minimum. The electrical panel in the health van shall be provided with an access door, latch and key lock and sized to contain the power cable.

Shore power, aluminum reel & box

Comply ____

A rewind reel to handle live electric cable shall be equipped with four-way roller assembly, large bending radius, and non-sparking ratchet assembly to lock the reel when the desired length of cable has been played out. A 100 amp 4-conductor collector assembly with wiring from the collector ring to the junction box. Brushes to be copper graphite with copper alloy rings. A cable stop shall be used to prevent damage to rollers and connectors and to permit adjustment of free cable length.

Shore power cord extension, 25 feet

Comply ____

Extension with male and female receptacle at either end. Allows further extension of building receptacle.

Smoke detector, battery

Comply ____

Two (2). Provide battery operated DC voltage smoke alarm(s) so that vehicle is protected if electricity fails, provided the batteries are fresh and correctly installed. Unit to emit an 85 decibel alarm for an early warning of fire.

Stairs, entry, manual

Comply ____

Solid aluminum construction, with diamond plate stair treads with static coefficient of friction (COF) 0.70 wet and 0.80 dry. Tread surface to surpass ADA, NFPA, and OSHA requirements. No r.v. electric step systems allowed. Each stairway shall be constructed using aluminum channels and aluminum I-beam stringers to form the frame. The frame components shall be welded or bolted. The width of each stairway shall be a minimum of 33 inches. The stairway tread depth shall be 8 inches, plus or minus 1 inch. The stairway riser height shall be 8 inches, plus or minus 1 inch. The construction of the stairway shall be without riser panels. A portable step stand shall be furnished to mitigate against a non-uniform riser height between the bottom stairway step and the ground. Each step stand shall be min. 11 inches wide x 33 inches long x 3 inches (+/-1 in.) high from ground. Each step stand shall be capable of supporting 500 pounds without permanent deformation or breakage. The top of the step stand shall have a

matching aluminum diamond plate surface. The weight of the each step stand shall not exceed 15 pounds.

Stairs, handrail storage compartment

Comply ____

Solid aluminum construction with diamond plate door and locking system. Storage compartment to contain stair system handrail while in transit. The components of the compartment shall be welded or bolted.

Stairs, high-traction tread covers

Comply ____

Step covers are fit over existing steps. Slightly rounded for snug fit on Bull Nose leading edges of stairs. Doubles OSHA's 0.5 guideline and exceeds ADA's 0.6 measure for Coefficient of Friction values. Exceeds guidelines even in wet or oily conditions.

Storage compartment, undercarriage

Comply ____

Individual 3/16 in. thick diamond plate aluminum doors on the curbside and streetside of the vehicle shall be furnished to provide access to holding tanks and equipment. The doors shall be hinged at the top. Means shall be provided to positively retain the doors in the open position. Doors shall be provided with replaceable weather seals to protect materials stored inside from weather. Each door shall be equipped with recessed, paddle type latches and key operated locks. Latches and locks shall be stainless steel.

TV

Comply ____

Exterior compartment, fold-up door, secured by T-hook. Exterior weatherproof compartment to house television. Vandal-resistant fold-up door to be secured open while viewing and locked when stored or in transit.

Undercoating, entire chassis

Comply ____

The entire underside of the body, including floor components, sides and panels below floor level and exterior compartments, shall be coated with fire-resistant and rust resistant material composed of asphalt, rubber, or other approved material applied by spray method.

Video, rear view system with in-cab monitor

Comply ____

High resolution rear vision system for wide field-of-view to facilitate backing and merging into traffic. On-screen distance grid to assist driver in judging distance. Camera must

function in very bright to minimal ambient light, with field of view of 115 degrees horizontal and 84 degrees vertical.

Wall, slide out, level floor

Comply ____

Each expandable side room shall extend out at least 30 inches or more. The interior height shall be 76 inches minimum. Each expandable side room shall consist of a rigidly constructed single assembly consisting of front, rear and sidewalls, floor and roof; all integrated to form a 5-sided, self-supporting box structure. The expandable room floors shall be level with the rear cabin floor, plus or minus 1/8 inch. An automatically expanding and retracting awning shall be furnished to protect each of the expandable side rooms from rain and snow infiltration. A gasket and wiper system shall be installed to prevent rain and snow infiltration. The expansion and retraction of the expandable side room shall be by use of two systems, one by manual cranking from the exterior and the other by a hydraulic system.

Water heater, undercounter

Comply ____

Tank-type water heater. No in-line heaters.

Water level monitoring system

Comply ____

Remote readings on digital instrument pad for water levels in all tanks, in 10 percent increments.

Water tanks & pump, 55 gal. ea.

Comply ____

Potable water pump to be self-priming, thermally protected, and include check valves rated to 200 psi to prevent cycling and backflow. Pump must run dry without damage for up to 200 hours. The water tanks shall be of proper capacity listed, with all internal plumbing lines to be rigid plastic pipe suitable for drinking water. All runs shall slope to low points to facilitate draining of the system. The runs shall be made in the sub-floor area to the maximum extent possible to minimize the risk of freezing. All other runs shall be freeze protected with a thermostatically controlled heating system. All drains shall be properly vented out to the side of the mobile unit with louvered covers over the openings. The water supply system shall be designed and constructed to assure pure drinking water conforming to the following: National Sanitation Foundation International Standard 14 for ingredients, materials, products, quality assurance, and marking, National Sanitation Foundation International Standard 61 for taste, impurities and harmful chemicals in the system components. Freeze-stabile tubing shall be furnished to conduct water throughout the system. Tubing shall be in accordance with NSF, ASTM F876 and ASTM F877. All fittings shall comply with ASTM F877 and CSA B137.5. Tubing shall withstand freezing without leaking or breaking. Tubing shall have a rated working pressure of 100 psi at 180 degrees Fahrenheit. All tubing joints shall be easily accessible for repairs through access panels. The tubing shall be installed behind the finished walls or below the sub-floor. No visible tubing in public areas shall be permitted. All other tubing runs shall be protected with a thermostatically controlled freeze protection heating system with accessible test points for each circuit. All drain pipes shall be A.B.S or P.V.C rigid plastic pipes. Drainage pipes shall be pitched for gravity flow to final disposal. All

drain pipes shall be installed behind the finished walls or below the sub-floor. No visible pipes in public areas shall be permitted. Drain pipes shall be properly vented out to the side of the vehicle with louvered covers over the openings. Each plumbing fixture that has a drain shall be provided with a water trap. The water supply system shall be designed so that all contained water in the potable water holding tank and associated tubing can be drained. Drainage of the waste water shall be through a 3-inch gate type dump valve. The vehicle shall be provided with a flexible sewage hose having a 20-foot length and a 3-inch diameter. The holding tanks shall be constructed of a corrosion resistant material. All holding tanks shall be securely mounted and supported. Tank level gauges shall be provided and located in the clinic area.

Wheelchair lift, undercarriage

Comply _____

An under-floor type wheelchair lift shall be furnished. The wheelchair lift shall stow under the clinic floor, leaving the doorway into the clinic clear. The enclosure shall protect the wheelchair lift from rain, snow and dirt. The wheelchair lift shall be constructed of steel and aluminum. The useable platform width shall be 30 inches minimum. The useable platform length shall be 45 inches minimum. Lifting capacity shall be at least 700 lbs. The wheelchair lift shall be hydraulic powered using a 12-volt direct current motor. A manual hydraulic pump back-up system shall be provided in case of electrical failure. The wheelchair lift shall have dual hand rails. Safety interlocks shall be provided to prevent operation of the wheelchair lift, when the wheelchair door is closed. The wheelchair lift shall be furnished with a four button pendant control. The wheelchair lift shall comply with the Americans with Disability Act requirements.

Wheels, deluxe chrome liners

Comply _____

Wheels are to be trimmed with stainless steel covers, DOT approved, so that exterior wheels have finished appearance.

Wheels, rear tire inflation extenders

Comply _____

Provide a 4-hose air system designed for easy access to both inner and outer dual rear wheels for checking pressure or inflating tires. Hoses to be protected by flexible braided stainless steel and mounted to valve stems and outer chrome liners. All mounting brackets to be made of 304L stainless steel.

Windows, safety glass

Comply _____

Six (6) Sliding windows with screens shall be furnished in all openings except entry doors. Window assemblies shall be properly aligned with complete seals to preclude water leakage and maximum force of fifteen pounds required to move the sash in either direction. Latch operation shall be smooth with positive locking latches. At least one

streetside side window shall allow for emergency escape, by means of durable, heavy-duty release latches located on each side of the window and below the window centerline. The window construction shall include exterior sash drains to prevent the entrance or backup of water into the clinic area or sidewalls. Drains of sufficient size shall be incorporated at the bottom of each sash that will allow drainage of the interior condensation to the exterior of the mobile health van. Window openings shall have reinforced structural headers and vertical uprights around the perimeter to maintain structural integrity of the body. The window openings shall have reinforced structural headers and vertical uprights around the perimeter for additional strength. Each window shall be gray tinted tempered safety glass, integral gutter and water drain hole, and have a 31 percent maximum light transmission tint. Each window, except the entry door, shall have a top-mounted, pleated pull-down blind that covers the entire window.

Window, décor valance

Comply ____

Six (6) Color/upholstery choices by URI-IIHI.

Specify Alternatives to the above (if responding to 'No' to complying with any item):

MEDICAL EQUIPMENT SPECIFICATIONS

Curtain, privacy, fabric, white

Comply ____

Two (2) Exam privacy curtain must be mounted on ceiling rail to sweep across room between patient and doorway. Curtain must be removable for cleaning.

Exam table, power, Midmark 623 barrier free

Comply ____

Two (2) Midmark model 623 exam table with upholstery and adjustable arm system or equivalent. High-low table for easy access by patients. Dimensions 28.38 wide x 59.5 long, with powered lift from 18 in. to 37 inches above floor. Table length with foot rest extended is to be 77.5 inches. Patient load capacity 400 lbs. Access step and stirrups included. Paper roll storage for one under the pillow with storage for 4 rolls under back section. Electrical requirements to be total unit rating 115 VAC, 60 Hz, 13.5 amperes, with hospital-grade duplex electrical receptacle, UL 60601-1, Can/CSA C22.2 No. 601.1-M90

Brewer BRE-1500 Blood Drawing Chair or equivalent

Comply ____

One (1) Armrest height adjustable via taper-lock knob; Armrest height adjustment: 29"-38"; Drawer height adjustment: 29"-38" ; Armrests are angled 15° to create easier access to the patient's arm; Seat Height from floor = 22.5"; Two standard add-on work surfaces accommodate prep materials, and vials ;Work surfaces and drawer top covered in a bacteriological, chemical, and fungal resistant material; Armrests are easily removable to accommodate space constraints; Easy to clean, seamless upholstery; Durable, powder-coated welded frame Upholstery Color to be chosen by URI-IIHI

Unico PowerSpin VX Variable Speed Centrifuge or equivalent

Comply ____

One (1) Unico PowerSpin VX Variable Speed Centrifuge or equivalent, 3400 rpm, UNC-C816 Quiet running (58 decibels a 3400 rpm); Rotor chamber is accessible for cleaning; Easy clean exterior; Lid opening for strobe check of speed; Latching lid with safety switch triggered to shut down the power when the lid is opened Light indicator is lit when the power is on; Standard 115V/60Hz input._

Otoscope/ophthalmoscope, wall mount, Welch-Allyn

Comply ____

Two (2) Wall transformer with handle-based rheostats for light-intensity adjustments; contoured; and ABS housing. Optical sensor must automatically turn handles on when removed from cradles. Internal halogen lamp to provide light output. Lifetime warranty against manufacturing defects. Coiled cords to carry 10-year warranty against breakage during normal use. Entire unit to conform to UL 544; CAN/CSA C22.2 No. 125.

Scale

Comply ____

One (1) Adult, digital, w/ height rod. Professional doctor's scale, with non-slip top, vacuum formed flat-form cover and 500-lb. capacity in 1/4-lb. increments. Include height measuring rod.

Sphygmomanometer, w/cuff holder, Welch-Allyn

Comply ____

Two (2) Unit to be manufactured with precision jeweled bearings; dial face individually laser-engraved white graphics on charcoal gray scale. Latex-free aneroid bellows to be phosphor-bronze with recessed dial to eliminate parallax. Must meet AAMI accuracy standard of ± 3 mm Hg. Built-in basket for storage of the inflation system, with 40° side-to-side swivel for clear viewing at all angles. Include one-piece blood pressure cuff, pre-treated with antimicrobial agent to resist bacterial growth. Luer lock to permit quick interchanges among various cuff sizes.

Stool, without back, pneu.,

Comply ____

Two (2) MidMark 425 or equivalent Hooded, silent, dual wheel casters on 5-legged exam stool for use across tile or carpet. Vinyl color coordinated to perfectly match exam table, with seat and back with foam padding and sewn-edge upholstery protected by a clear finish. Height to adjust with fixed-height rotation and collar to any height between 16½" to 23½" (41.9 to 59.7 cm). Base of polished cast aluminum.

Specify Alternatives to the above (if responding to 'No' to complying with any item):

WARRANTEES, MINIMUM TO BE PROVIDED

Comply _____

The bidder is to provide copy of written warrantee information. Bidder to state warranty to cover the following, at a minimum; zero deductible applies:

Air conditioner, cab – 2 year, unlimited miles
Cab corrosion – 5 year rust-thru, unlimited miles
Diesel engine – 3 year, 150,000 miles

Drive train – 2 year, unlimited miles
Emissions – 5 year, 50,000 miles

Frame rail corrosion – 5 year, unlimited miles

Generator – 1,000 hours, unlimited miles

Noise emissions – lifetime of the vehicle

Suspension – 2 year, unlimited miles

Bidder must give detailed information about the locations in Rhode Island area for warranty service, such as name of dealer, address, phone, etc.

QUALITY & WORKMANSHIP

Comply _____

- A. The mobile health unit shall be free from defects that may impair its serviceability or detract from appearance.
- B. All bodies, systems, equipment and interfaces with the chassis shall be done in accordance with the OEM's Body Builders Book.
- C. All components shall be new. Defective components shall not be furnished. Parts, equipment and assemblies, which have been repaired or modified to overcome deficiencies, shall not be furnished without approval of the purchaser. Component parts and units shall be manufactured to definite standard dimensions with proper fits, clearances and uniformity. Welded, bolted and riveted construction utilized shall be in accordance with the highest standards of industry. General appearance of the mobile health unit shall not show any evidence of poor workmanship.

D. The following deficiencies shall be cause for rejection:

1. Rough, sharp or unfinished edges, burrs, seams, corners, joints, cracks and dents.
2. Non-uniform panels. Edges that are not radiused, beveled, etc.
3. Paint runs, sags, orange peel, fish eyes, etc., and any other imperfection of lack of complete coverage of paints or coatings.
4. Body panels or components that are uneven, unsealed, or contain cracks, dents or have voids.
5. Misalignment of body fasteners, glass, viewing panels, light housings, other items with large or uneven gaps, spacing etc. such as door, body panels and hinges panels.
6. Hoses, wiring or harness routed through panels and bulkheads without grommeting or other protective insulation, routed across components in a manner allowing chaffing to occur or routed in such a manner to be damaged by the exhaust system.
7. Improper electrical connections, or loose, vibrating, or abrading components.
8. Interference of chassis components, body parts, doors etc.
9. Improperly supported or secured hoses, wiring harnesses, mechanical controls, etc., including interference with other components.
10. Leaks of any gas, vacuum, or fluid lines (air conditioning, coolant, oil, oxygen, etc.).
11. Noise, panel vibrations, etc.
12. Inappropriate or incorrect use of hardware, fasteners, components, or methods of construction
13. Incomplete or improper welding, riveting or bolting.
14. Lack of uniformity and symmetry where applicable.
15. Loose, vibrating, abrading body parts, components, subassemblies, hoses, wiring harnesses or trim.
16. Improper body design that could cause injury during normal use or maintenance, and which fail to provide access to perform routine or mandatory repairs or maintenance on the mobile health unit electrical and mechanical systems. In addition, the improper combination of options which by their combination and installation are inherently incompatible with regard to function or safety.
17. Sagging, non-form fitting upholstery or padding.
18. Incomplete or incorrect application of rustproofing.
19. Equipment malfunctions.
20. Inadequate welding, riveting, bolting or attachment of components.
21. Visual deformities.
22. Unsealed appurtenances or other body components, leaking gaskets etc.
23. Delamination of plastic composition materials.
24. Any deviation from specification requirements or manufacturer's standard production practice whether or not stipulated herein, that detracts from form, fit, function, durability, reliability, safety, performance or appearance.

Any deviation from specification requirements or any other item, whether or not stipulated herein, that affects form, fit, function, finish, durability, reliability, safety, performance or appearance shall be cause for rejection.

TRAINING

Comply_____

Delivery of the finished vehicle to URI-IIHI, and on-site training by bidder personnel, shall be provided at bidder's expense for 1/2 day at delivery and 1/2 day in the future at a time, date, and location as agreed to by both parties. After the initial days, if further consultation is needed, bidder shall supply such consultation to URI-IIHI on a time and travel expense basis, without mark-up.

SERVICE AND MAINTENANCE FOR THE MOBILE UNIT

Bidder to supply names and addresses of all authorized service agents in Rhode Island with preference in the Kingston area.

DELIVERY TIME

Provide a delivery date from the date of issue of purchase order.

Date: _____

CERTIFICATE OR ORIGIN, TITLE and DELIVERY DOCUMENTATION:

At the time of delivery to the State, the vehicle delivered shall be accompanied by a window sticker, title certificate/"Certificate of Origin", and registration documents.

1. The "Certificate of Origin" shall have the owner listed as "STATE OF RI/FLEET OPERATIONS, ONE CAPITOL HILL, PROVIDENCE, RI 02908". It shall include at a minimum, the following information:
 - The manufacture, Model Name and Number
 - The Manufacturer's Vehicle Identification Number (VIN)
 - The number of Engine Cylinders and Engine Type
 - A General Description of the Body and GVW #
 - The Odometer Disclosure MUST be Completed on the Vendor's side of "Certificate of Origin".
2. Title certificates must be provided.
3. The successful vendor will be required to provide the following:
 - a. A completed application for registration and Title Certificate (TR-1) with the exception of Sections G and H. Owner listed as:
 - i. State of RI/Fleet Operations, Once Capitol Hill, Providence, RI 02908
 - ii. A completed Sales or Used Tax Exemption Certificate – Motor Vehicles. Purchaser to be listed as: State of RI/Fleet Operations, One Capitol Hill, Providence, RI 02908.

CONCLUDING STATEMENTS:

Responses to this solicitation must be submitted in duplicate and each page shall be numbered (ex. 1 of X) and include the vendor's name. Bids must be predicated on the basis of the bidder's full and unencumbered title to the vehicle as of the date of delivery to the State. Bids subject to lien or assignment at time of delivery to the State, or which stipulate third party or joint payment, will be rejected. The State, at its sole option, elect to require presentation(s) by offerors clearly in consideration for award.

End of Specification.