

**REQUEST FOR PROPOSAL
TOWN OF LONDONDERRY
FIRE DEPARTMENT AMBULANCE**

The Town of Londonderry is accepting proposals to provide one Type III Class 1 ambulance for the Londonderry Fire Department. Packages are available in the Town Manager's Department or www.londonderrynh.org.

All proposals should be submitted in a sealed enveloped marked **"Fire Department Ambulance"** and addressed to:

Town of Londonderry
Fire & Rescue Department
280 Mammoth Road
Londonderry, NH 03053
Attention: Douglas G. Cardwell, Captain.

Proposals must be received no later than 2:00 pm on Tuesday, February 9, 2010.

There will not be a public opening of the proposals. Proposals can not be withdrawn for a period of ninety (90) days. The Town reserves the right to reject any or all Proposals and take such action as may be deemed necessary in the best interests of the Town.

Contact Persons: Should any questions arise, please contact Douglas G. Cardwell at (603) 432-1124 or dcardwell@londonderrynh.org

Section 1: General

- a. Type III, Class I Ambulance
- b. Bidders shall include all warranty documents within bid proposal
- c. All warranties shall not be pro-rated
- d. Minimum 20 years structural body warranty
- e. Minimum 7 year/ 70,000 mile electrical warranty
- f. Minimum 7 year/ 70,000 mile paint warranty
- g. Bidder must be a full-time dealer
- h. Manufacturer Must Maintain A Service Center within a 175 Miles of Londonderry, NH
- i. Dealer Must Provide Mobile Service
- j. Manufacturer Must Be Actively Engaged In the Business of Emergency Vehicles for a Period of At Least 10 Years
- k. Bidder Must Provide a List of a Minimum 24 Units of Similar Design Delivered and Serviced in New England
- l. Bidder is Responsible to Explain ALL Exceptions to Bid Specifications in Writing
- m. Delivery of Ambulance Must Occur Within 7 (seven) Months From the Award Date
- n. Bidder may provide a separate list of any recommended or common option(s) with associated costs that may be considered by the Londonderry Fire Department.
- o. All proposals shall include a descriptive printed drawings of the specific proposed unit.

Section 2: Chassis

- a. Ford E-450 Super-duty cut-away chassis – turbo diesel engine
- b. Gross vehicle weight shall be at least 14,500 pounds.
- c. Three group 31 batteries.
- d. Engine block heater with on/off switch for off-season isolation.
- e. Heavy-duty front and rear anti-sway bars.
- f. The trim level shall be the highest provided by the O.E.M.
- g. Leather bucket seats with interior trim package - #18C
- h. Ambulance prep package – # 47A
- i. Rubber cab floor matting
- e. OEM power door locks with remote key fob and exterior door unlock button that control all vehicle doors.
- f. Audible/ Visual Door and Compartment Alarm – Whelen red LED
- g. Tires shall be Michelin model LTX- MS
- h. Polished stainless steel wheel simulators with valve extenders on all wheels.

Section 3: Module Exterior (*Design consistent with current department units.*)

- a. Recessed into cab a minimum of 10”
- b. Minimum 172” long , 95” Wide
- c. Minimum 72” headroom
- d. Side Walls – Minimum .125” Thickness Aluminum – Single Sheet
- e. Roof - – Minimum .090” Thickness Aluminum – Single Sheet
- f. One (1) set of Zico model #QR-OTS-MR Oxygen mounting system shall be provided to secure an "M" type Oxygen tank in exterior compartment
- g. Module Insulation: The module shall include an upgraded insulation package. The module floor, walls, compartments doors, curb side entry step and wheel wells will have an upgraded insulation package.
- h. The rear of the module shall have tow hooks and under frame rub/skid pads.
- i. Lift –up Rear Step Bumper
- j. Rhino Liner® or equivalent all compartments (Gray)
- k. All exterior compartments shall have stainless steel sill protection. The sill shall be completely covered with stainless steel.
- l. Dri-Dek® matting on all shelves and floor of all compartments.
- m. All exterior compartments shall contain large paddle style compartment door handles. Any double doors shall contain (2) exterior handles
- n. Diamond plate cab running boards with mud flaps attached
- o. All windows shall contain “privacy” tinting with dark limousine tint.
- p. Minimum 6 (six) Exterior Compartments, One Exterior Drawer.

Module Compartments:

- a. **RIGHT REAR COMPARTMENT:** This compartment shall be located in the right rear corner of the body. The minimum compartment dimensions shall be 79.8" High x 17.6" Wide x 21.0" Deep. This compartment shall contain: (2) Full Height Dividers, (2) Shelves, (5) Lights, (4) Equipment Retention Straps. This compartment shall be capable of storing a Stryker Stair Chair Model 6252.
- b. **RIGHT REAR FORWARD COMPARTMENT:** This compartment shall

- be located just forward of the right rear compartment aft of the rear wheel opening. The minimum compartment dimensions shall be 19.2" High x 17.5" Wide x 19.4" Deep. This compartment shall contain: (1) Light.
- c. **RIGHT FRONT COMPARTMENT:** This compartment shall be located in the right front corner of the module body. The minimum compartment dimensions shall be 48" High by 29.25" Wide. The compartment door shall provide direct outside access into the right front advanced life support equipment storage area (RF ALS). This compartment shall contain (2) lights. The compartment will also house Shelves, Storage, a Refrigerator and Narcotic Storage.
 - d. **RIGHT FRONT BATTERY COMPARTMENT:** This compartment shall be located in the lower right front corner of the module body. The minimum jamb pass through dimensions shall be 12.1" High x 29.25" Wide x 21.4" Deep. The battery tray shall accommodate three group 31 series batteries and be mounted on full extension slides with a 250 pound per pair rating.
 - e. **LEFT FRONT COMPARTMENT:** This compartment shall be located in the left front corner of the modular body. The minimum compartment dimensions shall be 79.8" high x 18.6" wide x 19.4" deep. This compartment shall contain: (1) Shelf, (1) Light, Oxygen Cylinder Lift.
 - f. **LEFT FRONT MIDDLE COMPARTMENT:** This compartment is located adjacent and rearward to the left front compartment. The minimum compartment dimensions shall be 31.5" High x 44.5" Wide x 19.4" Deep. This compartment shall contain: Double Doors, (2) Shelves, (3) Lights.
 - g. **LEFT WHEEL WELL COMPARTMENT:** This compartment shall be located on the drivers' side of the modular body, directly over the left wheel well opening. The minimum compartment dimensions shall be 8" High x 32.5" Wide x 19.4" Deep.
 - h. **LEFT REAR COMPARTMENT:** This compartment shall be located in the left rear corner of the body. The minimum compartment dimensions shall be 58.5" High x 30.1" Wide x 19.4" Deep. This compartment shall contain: Double Doors, (1) Shelf, (2) Lights, (2) Custom SCBA Corner Brackets.

Section 4: Module Interior (*Design consistent with current department units.*)

- a. Interior Cabinet, Restocking Frames with Sliding Lexan Doors on all Upper cabinets.
- b. The Interior shall include the following cabinets: (4) Storage Upper Cabinets. Cabinet over CPR Seat. Cabinet over Squad Bench. Cabinet over Rear Doors for glove storage. Cabinet over curb side door for glove box storage. Cabinet at end of Action Area. The Electrical Cabinet door shall be turned to open from the rear. The walk thru area will have a counter top. The top of the counter top shall be 3-4 inches under the bottom of the talk thru window. The window separating the cab of the ambulance and the patient care module shall be separated by a single sliding window. The window shall slide behind the front passenger's seat. The area above the talk thru window will be a cabinet with lexan doors. Two interior cabinets shall be divided with a molded ABS Divider System. The dividers shall be manufactured from Polycarbonate. A minimum of 24 Polycarbonate Dividers shall be supplied.

- c. RFALS - Medication Refrigerator (Mermaid MK-15 Climate Controlled Drug Cabinet), Metal Narcotic Storage Cabinet. Smithworks Floor Mount IV Warmer. Robinson or equivalent Roll Up Metal Door.
- d. Switching System (lighting, O2, etc): Minimum (2) consoles of identical design – 1 located on the curb side within easy reach of the attendant, 1 on the street side in or near the action area.
- e. Climate Control and HVAC. The HVAC System shall be through ducted ceiling registers. The HVAC unit location will be on the floor and is to be located behind the attendant seat. The HVAC unit shall be located so the grate faces the rear of the patient care module. A digital thermostat will be utilized in the module. The unit will include a ESPAR Heater.
- f. Minimum of (1) locking metal cabinet located in the RF ALS with a Kaba Mas/Auditcon® Model CL 20 lock.
- g. (2) Ceiling Grab Bars, (1) Recessed and (1) Non Recessed. The grab rails shall be stainless steel, powder coated yellow and coated with antimicrobial coating.
- h. Stryker Cot Mount center position. Stryker cot hook. Stainless Steel floor plated under cot wheels.
- i. Suction System – To be located under the action area counter. A quick disconnect outlet shall be supplied. The outlet will be located inside of the suction recess area.
- j. Stainless Steel Action Area, Telemetry Area and Talk Thru Counter Tops.
- k. (4) Oxygen Outlets with quick disconnect fittings. Locations TBD.
- l. No electric oxygen controls.
- m. Seamless upholstery, vacuum formed. Color to be Dark Gray.
- n. Commercial grade anti-skid flooring.
- o. (2) Ferno 521 portable O2 brackets.
- p. Seating – Curb side bench seat. Street side CPR Seat. Guardian Attendant seat w/integrated infant/child seating and (3) point seat belt.
- q. Sharps & Trash Containers. Two sharps containers are to be located in the patient care module. One on the driver's side and one on the passengers side. The sharps containers are to be recessed into the wall surface under the Action Area and under the head of the squad bench. The upper section of the door shall be open at all times. The lower section of the door is to be hinged on the bottom. The door will be latched in position with a South Co Lever style latch. The sharps container that will be utilized is a Kendall 8507 SA. LFD will supply a container to the successful bidder.
- r. (8) Kinequip Interior Dome Lights, LED. One light bank on the left and one on the right of 4 lights each.
- s. (4) Kinequip Interior Center Dome Lights Controlled with a 30 minute spring wound timer. Powered by direct battery connection.
- t. (1) LED Action Area Light.
- u. Stainless Steel over Gloss Laminate. Stainless Steel from level of Squad Bench and CPR Seat down to the floor level.
- v. Door Panels – Laminate Upper, Upholstery Lock Access Panel (Full Door Width) and Stainless Steel Lower on all module entry doors. Door Grab Bars will be three point angled stainless steel grab bars.
- w. Module Entry Doors – Whelen 700 Red LED Interior Door Panel Warning Lights. Lights to be switched to activate only when each door is opened.
- x. Clocks: (1) Aviation style, back lighted to be mounted on a hinged door over the rear module doors. (2) Intellitec Digital Clock to be mounted on the Street Side Action Area Wall.
- y. Counter tops - Stainless Steel.

- z. Safety Net – The net shall be removable by the means of mushroom slips, aircraft grade. The net shall be yellow in color.
- aa. Trash Can – A trash can approximately 12” wide x 18” tall x 8-10” deep shall be supplied. A metal band shall be supplied to mount the trash container to the wall. The location will be under the talk thru counter.
- bb. IV Hangers – CPI 2008 Rubber IV Hangers (2)

Section 5: Electrical System

- a. 20 Amp auto- eject shoreline with heavy duty cover.
- b. Battery System – A three battery system will be installed in the vehicle. A built-in jumper cable system will be installed in the vehicle. The cable jumping port will be located in the front grille area.
- c. Minimum (3) 125 VAC Interior illuminated outlets.
- d. Minimum (4) 12 VDC Interior outlets.
- e. Electrical System, Wago RMR Rail Technology Electrical System. Front Control Panel, Rear Control Panel with Sequencer and Load Manager. Carlin switches in panels.
- f. Vanner Bravo Inverter -1800
- g. Kussmaul Battery Conditioner.
- h. (4) Customer supplied antenna bases w/coax, installed
- i. Customer supplied radio harness, installed
- j. Radio Power and Ground – 2 (1 behind drives seat, 1 behind Action Area Panel).
- k. Customer supplied radio heads, install.
- l. Flash Light Pre-wires - (1) Behind Front Passengers Seat (1) CSE Door and (1) Left Rear Compartment.
- m. The ambulance dealer will supply and install (2) LED Vulcan Flash Lights.
- n. Speakers and volume control to be located in the patient care module. The speakers and volume control shall be tied to the OEM Radio.

Section 6: Emergency Warning / Lighting

- a. All emergency lighting shall be Whelen Super LED.
- b. ALTERNATIVE LIGHT BAR PACKAGE Light Bar - (7) Front Upper Body Lights: 900 Series L.E.D.
- c. (4) Side Facing, Upper Body Lights: 900 Series L.E.D. Two on each side of the module.
- d. (2) Rear Upper Body Lights: 900 Series L.E.D.
- e. (2) Grille Lights: 700 Series L.E.D.
- f. (2) Intersection Lights - Front Fenders: 700 Series L.E.D.
- g. (2) Side Facing, REAR Intersection Lights: 700 Series L.E.D.
- h. (2) Rear Body Lights at Rear Window Level: 900 Series L.E.D.
- i. (1) Rear Center Upper Body Light: 600 Series L.E.D.
- j. All emergency lighting housings shall be CPI or Whelen Chrome like light bezels.
- k. REAR TRAFFIC ADVISOR: A Whelen Model No TA837L LED "Traffic Advisor" shall be supplied and installed above the rear doors. The device shall contain eight amber LED "Light Emitting Diodes" Whelen 500 series LED lamps mounted in an extruded black anodized aluminum housing. Both end lamps shall feature arrow shaped directional shades to clarify traffic reroute direction(s) and the fixture shall measure

approximately 43.25". The control head shall be mounted in the cab between the front sun visors on the can ceiling.

- l. Traffic Control Device: Opticom 3M Brand with control switch in cab. The Opticom shall be wired to automatically turn OFF when the vehicle is placed in PARK.
- m. All required DOT/FMVSS lighting shall be LED.
- n. Siren – Whelen, WS295HF5M1, Under Pro Siren Speakers.
- o. Air Horn System - Buell Compressor with Grover 24.5” Stutter Tone Air Horns.
- p. Scene Lights. Whelen Pioneer LED 12V Scene Lights. Two located on each side on the center upper section of the module. Two on the rear of the module. Two to be located on the front in a brow style mount. The lights are to be mounted on the module. All to be controlled through switching in the front console. The rear lights shall activate when the vehicle is in reverse. The side lights shall activate by the switch and when the vehicle is placed in reverse.
- q. (6) Exterior Under Body LED Ground Lights on angled brackets.
- r. Clearance Lights – LED with Stainless Steel Guards.
- s. Whelen 600: Stop & Tails, Front Module and Rear Directional’s, Back Up Lights and Rear Side Running Lights.

SECTION 7: PAINT/DECALS

- a. Chassis and Module Paint. Cab – Red to bottom of window, white above bottom of window. Module – All Red. Module Roof – White, not to show over edges of the roof line.
- b. Roof Star of Life, Installed. To be centered side to side, front to back of the module.
- c. Graphics & Lettering – Londonderry Specification to match current LFD fire apparatus striping and lettering font to include the roof to be marked with “MEDIC 1” in Red reflective lettering. This is to be located at the front of the module. This will read from drivers to passenger’s side of the vehicle. All graphics to be provided by a vendor of the Town of Londonderry’s choice.
- d. Chevrons – Rear of Module. Six inch 3M Reflective Diamond Grade (NFPA approved) alternating angled pattern approved by the Londonderry Fire Department. The alternating red & yellow angled stripes shall be separated by ¼” black reflective striping. The black striping will separate each width of yellow and red chevron striping.

SECTION 8: MISCELLANEOUS

- a. Exterior Hidden Un-Lock Switch.
- b. Factory trip for two member’s of the Londonderry Fire Department. The bidder shall include airfare from Manchester, hotel, three meals per day and rental car. The trip shall be planned for one full day at the ambulance manufacturer’s and for two travel days.
- c. TMS LP 12 Cardiac Monitor Bracket. Wall mount model. The ambulance manufacturer shall provide a method to mount this bracket to the counter top. The wall mount bracket will be required for the ability to angle the bracket.
- d. Tire Chains – On Spot Tire Chains shall be installed on the vehicle.
- e. Cab Roof Spot Light – Questar QS1
- f. Two (2) IV Poles shall be supplied.
- g. One (1) Stryker Stair Chair Model 6252
- h. One (1) Stryker model 6500 power pro ambulance cot.
- i. Two (2) 5 pound rated ABC fire extinguishers with mounting brackets shall be furnished with the ambulance. These shall be shipped loose to allow the department to install in the desired locations.
- j. Safety triangles approved by the United States Department of Transportation shall be shipped loose with the completed ambulance.

- k. Four Whelen LED unit identifiers changeable unit numbers shall be provided, one on each side of the ambulance module.
- l. Ziebart brand undercoating shall be liberally applied to the entire undercarriage of the chassis and vehicle body. Undercoating shall be applied to a thickness between .062" to .125" as prescribed in KKK-A-1822F and according to Ford QVM guidelines (when a Ford chassis is specified.)
- m. Exhaust to exit on the left side and be adapted for a Plymo-vent system.
- n. No spare tire required.
- o. A separate value will also be provided on the trade-in on the Current 2001 Ford/AEV ambulance.