

# **CITY OF LEBANON FIRE DEPARTMENT**

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## **2012 AMBULANCE REQUEST FOR PROPOSALS**

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## **Lebanon Fire Department – Request for Proposal Fire Department Ambulance**

The Lebanon Fire Department is seeking proposals for the furnishing and delivery of one complete " Type I Ambulance" and accessory equipment as specified. The vehicle shall meet or exceed the most recent Federal KKK ambulance specifications unless otherwise noted.

It is the goal of the Lebanon Fire Department to acquire the most acceptable ambulance within the scope of our specifications and within our allotted budget. The following specifications cover only the basic general requirements as to the type of construction and minimum requirements. Where details of construction are not specified, the vendor shall specify construction and materials in compliance with standard premium manufacturer construction methods.

Questions regarding any of the below specifications are encouraged and shall be directed to:

Jeff Libbey  
Assistant Fire Chief  
Phone: (603) 448-8810  
Email: jeffrey.libbey@lebcity.com

All proposals must be clearly marked "***Fire Department Ambulance Proposal***" and be received by **February 24, 2012 at 10:00AM.**

Submit to: Lebanon Fire Department  
12 South Park Street  
Lebanon, NH 03766  
Attn: Asst. Chief Jeff Libbey.

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### **GENERAL CONDITIONS**

1. The Purchaser reserves the right to accept or reject any, and/or all proposals, wholly or in part, and/or to waive formalities if it is in the best interest of the Purchaser to do so.
2. No contract will be awarded except to responsible bidders capable of servicing the equipment supplied. Before the award of the contract, the bidder may be required to show that he has the necessary facilities, experience, and ability to perform on site warranty work and service work in a satisfactory manner.
3. The bidder must own and operate a full service facility within **one hundred (100) geographical miles** of the Purchaser and be staffed by full-time technicians. Technicians **MUST** be factory trained in the operation and repair of all the equipment supplied with full authorization from the manufacturer. The facility shall maintain an inventory of major system parts including major parts, electrical items, hardware, etc., and shall offer on-site or mobile service. Also, the facility shall offer services including collision repairs, paint shop, as well as training. **SERVICE IS CRITICAL.** The ability of the bidder to provide prompt and capable future service for the equipment supplied will be considered a major factor in determining the award of this bid. Bidder shall state in their bid what costs, if any, the on-site service or mobile services will be.
4. The solvency of Manufacturer is a concern of the Purchaser. The Purchaser may request a certified financial statement from a nationally recognized accounting firm. Failure to submit upon request shall result in immediate rejection of a bid. Special consideration will be given to manufacturers that are a publicly held and traded company.
5. It shall be noted that this department is seeking a vehicle that closely matches the attached specifications. Extensive time has been put into preparing the attached specifications as they relate to the needs of the Purchaser.
6. Descriptive Material: Descriptive material such as plans, drawings, photographs, diagrams, illustrations, written descriptions, and manufacturer's literature that will enable the purchaser to determine the exact quality, design, and appearance of the equipment proposed, shall accompany the bid. All equipment listed, or shown, in the manufacturer's literature, drawings, or photographs, and approved by the purchaser, shall be furnished.
7. Each bidder is required to provide a complete and accurate description of the manufacturer's product along with engineering specifications. These specifications shall be in the same sequence as the specifications for ease of comparison. Any bid not in this sequence will be disregarded and rejected. Each bidder shall supply a detailed description of the vehicle and equipment, which they propose to furnish, and to which the ambulance furnished under the contract must conform.
8. Purchases made by the Purchaser are exempt from the payment of Federal Excise Taxes and State Sales Tax and such taxes must not be included in the quoted price. The Purchaser will submit a Tax Exempt Form upon request.

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9. All prices and delivery times quoted must be firm. All bids must state delivery time. Delivery time shall be stated in calendar days.
10. The vehicle shall be delivered under its own power to assure adequate break-in while under warranty. It shall first be transported to the local service facility, where final inspection and preparation will be performed. The vehicle will then be delivered to the Purchaser's location. Prior to delivery of vehicle to purchaser's location, service, prep work, and professional clean/detail shall be performed.
11. References: Bids will only be considered on vehicles constructed in the continental United States, whose manufacturers have an established reputation of permanency and reliability in the field of ambulance construction. Each manufacturer shall furnish satisfactory evidence of their ability to construct the ambulance as specified, and shall state the location of the factory where the vehicle will be built. Bids will only be considered from manufacturers who have been in business continuously without interruption, for a minimum of 15 years. Bidders must state the names, addresses, phone numbers and contact person of communities in New England using similar all aluminum apparatus supplied by them. Vehicles listed as references, must be vehicles delivered directly by bidder.
12. If the Purchaser requires, a Performance Bond in the amount of 100% of the contract price shall be furnished within fifteen (15) days of signing the contract. The Performance Bond must be issued by an Insurance company registered with the Insurance Commissioner of the State of the Purchaser and must be signed by an Officer of the bidder's company. Bonds issued by non-registered or foreign insurance companies will be immediately rejected. This bond shall be listed as an "option" that the Purchaser may desire to purchase. This price shall not be included in the actual bid price. The cost of the Performance Bond must be stated within the bidder's proposal document to give the purchaser an idea of the financial stability of the bidder.
13. Warranty: A complete package of all warranties shall be provided with the proposal. Warranties shall state the length of each warranty and where warranty work will be completed. All covered warranty claims shall be at no cost to the City of Lebanon. The following is a list of the minimum warranty requirements:
  - General: Warranty of components manufactured by the apparatus manufacturer shall be covered against defects in materials and workmanship for a minimum period of ***1-year from delivery date***.
  - The original manufacturer shall cover Cab and Chassis under warranty.
  - Structural Warranty: The manufacturer shall provide a lifetime module structural warranty.
  - Electrical Warranty: The manufacturer shall provide a full electrical system warranty for a minimum period of 7 years.

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- **Paint and Corrosion:** The apparatus manufacturer shall provide a minimum 10-year, 100 percent paint warranty to include peeling, cracking and blistering. Additionally, the manufacturer shall provide a lifetime corrosion warranty.

14. **Drawings:** All drawings of proposed apparatus shall be provided to the Lebanon Fire Department prior to a contract being executed.

15. **Exceptions:** Any exceptions to this performance specification must be clearly stated with the proposed alternative and reason for exception.

The following shall be the minimum performance specifications and requirements for the Lebanon Fire Department Ambulance.

### **CHASSIS AND EQUIPMENT**

#### **Manufacturer:**

The required chassis manufacturer shall be a 2012 or newer Ford F-550 Superduty.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

#### **Model:**

Ford F-550 Superduty furnished with "XLT" trim package which shall be equipped with Ford ambulance prep package (47A).

**Does your proposal comply with this requirement? YES ( ) NO ( )**

#### **Wheelbase and cab to axle:**

It shall be equipped with 158" wheelbase and 100" cab axle or greater.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

#### **Gross Vehicle Weight:**

14,050 Lb. G.V.W.R. or higher.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

#### **Engine:**

6.7 Liter Power Stroke V8 Engine.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

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**Transmission:**

Six-speed Ford "TorgShift" automatic overdrive with high capacity transmission oil cooler and TRS digital transmission range sensor or an Alison Automatic Transmission matched to the engine type and horsepower.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Axles:**

Front Axle: As supplied with F-550 ambulance prep package.

Rear Axle: Limited slip with rating of 9,450 Lbs. or greater and 4.10:1 axle ratio.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Shocks:**

Heavy-duty nitrogen gas pressurized shock absorbers front and rear shall be installed.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Suspension:**

Front suspension shall be coil springs. Rear suspension shall be Ford OEM standard heavy duty rear spring suspension system *with* a 4 bag air ride system. Suspension may be greater so long as manufactured as such.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Anti-Sway Bars:**

To improve the ride quality and stability of the vehicle, the vehicle will use Ford OEM front and rear anti-sway bars.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Steering:**

Power steering with tilt wheel and collapsible steering column.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

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**Brakes:**

Ford OEM Heavy duty, power assisted. Front and rear brakes shall be disc type. Four wheel ABS anti-lock brake system.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Fuel System:**

The portion of the fuel filler that crosses over the frame rail and connects to the fuel fill pipe shall have additional protection to prevent hose from being damaged from flying road particles.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Heat Shield:**

In order to reduce heat transfer into the module and to meet the Ford QVM requirement manufacturer shall install a galvanized steel heat shield. This shield shall be securely fastened and mounted between the chassis exhaust and the module. Heat shield shall run the entire length of the exhaust system.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Alternator:**

There shall be dual alternators which shall comply with the most current KKK specifications.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Gauges and Meters:**

Speedometer, odometer, fuel gauge, water temperature, oil pressure, "Wait-To-Start" indicator, "Water-In-Fuel", "Fuel Filter", Console mounted Engine Hour Meter and battery indicator.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Automatic Throttle:**

Included shall be a Ford OEM auxiliary power train control module automatic throttle which shall be automatically activated by the park / neutral switch. Depressing the brake pedal or shifting into gear shall deactivate it. The system shall be programmed to "Charge Protect" mode.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

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**Cab Windows:**

Solar tinted safety glass-all exterior windows. Driver and passenger power assisted windows.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Windshield Wipers:**

Two -speed electric wipers with washer and intermittent control.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Cab Seats:**

OEM cloth captain's chairs with armrests, and include combination shoulder and lap harness.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Heater and Air Conditioning:**

OEM heavy duty high-output units.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Engine Cooling System:**

Shall be a heavy-duty liquid cooled type. The cooling system shall be protected with a 50 / 50 solution of permanent type anti-freeze to -40 degrees F.

- Cold climate package shall include 110 VAC engine block heater and cord.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Cab Exterior:**

The exterior trim shall include chrome front bumper, dual pitch horn, reduced sound level exhaust, chrome grille, Aero Dynamic halogen head lamps and undercoating.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Outside Rear View Mirrors:**

Power adjustable with heated glass.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

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### **Interior Cab Lighting**

The following interior cab lighting shall be provided:

- One (1) amber emergency brake warning light
- One (1) red door ajar light (for all module access and compartment doors)
- 1,000,000 CP handheld spotlight in cab

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **Module Requirements**

The following shall be the *minimum* requirements of the module:

- Dimensions = 165" long x 95" wide
- Interior headroom = 70"

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **Module Exterior**

- Shall meet or exceed the most current KKK specification.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **Module Compartments**

- Magnetic door switches
- Recessed compartment lights

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Layout and Sizing (see attached picture of existing ambulance)**

### **Module Interior**

- All cabinets shall have hinged Plexiglas sliding doors with gas shocks for re-stocking and cleaning.
- Shelving shall be adjustable.
- Vinyl covered upper areas, including cabinets
- Stainless steel covered lower areas, including cabinets.
- CPR seat shall be convertible to shelf.
- Flooring shall be industrial strength linoleum wrapped 4" and recessed into sides
- Replaceable rubber crash protection on all exposed interior corners
- Grab rails and entrance door handles shall be brushed stainless steel
- A minimum of (2) CPI #2008 Dual Plasma Hangers shall be provided and installed.
- Gas shocks on CPR and squad bench seat.
- Vinyl attendant seat – seat belts shall swivel with seat.

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**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Tires and Wheels**

The following shall be the minimum tire and wheel requirements.

Front – (2) 225/70/R19.5 All Season Load Range E

Rear – (4) 225/70/R19.5 Traction Tire Load Range E

Spare – (1) 225/70R19.5 All Season Load Range E

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Automatic Tire Chains**

Onspot® automatic tire chains shall be provided and may be factory or dealer installed. Switch shall be clearly labeled and easily accessible to the driver.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Mud Flaps**

Front and Rear Mud flaps shall be provided.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Communications Equipment**

- Factory or dealer shall mount customer supplied VHF antenna and if requested, cellular phone antenna in designated locations on roof of module. Antennas shall be spaced a minimum of 2 feet apart.
- Dealer shall install customer supplied two-way radio and control cables in customer designated location (front and rear).

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**12 Volt Power System**

A 20-amp battery charging system shall be installed and connected directly to the shoreline to ensure batteries remain fully charged. The system shall provide a visual signal if the battery voltage drops below 11.5 volts. The system will fully charge the batteries while allowing up to 8 amps of additional load. The shoreline plug shall be near the driver's seat outside of the cab. A load management system shall be provided.

- All wiring shall be color coded and labeled every 6"

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- All components shall have separate ground wires
- Two complete as-built sets of detailed wiring diagrams shall be provided
- Three battery electrical system wired directly to chassis ignition
- Module disconnect switch shall be provided

The following shall be provided from the auto charge system:

- 12-volt supply for:
  - (2) Bidder supplied Streamlight Survivor LED®, DC Steady Charge Model flashlights, color orange, to be mounted in the cab - location specified by customer.
- (1) 12-volt supply for cellular telephone located near officers seat.
- (1) 12-volt power supply for Motorola transceiver control head accessible to the driver and officer seats.
- (1) 12-volt power supply for Motorola transceiver remote control head in rear at action counter.
- (2) 12-volt (constant) power outlet in the action area.
- (1) 12-volt hard-wired power supply for:
  - (1) Bidder supplied S-SCORT® VX-2® portable suction unit mounted by the bidder with manufacturer supplied mounting bracket in a location to be determined by this department.
- (1) 120-volt live to shoreline in front inside compartment at action area
- (1) 12-volt constant supply located in exterior Compartment # 1.
- (1) 12-volt constant power supply sufficient to power customer provided IV fluid warmer to be located in forward most drivers side interior cabinet.

***Note: ALL Equipment mounting location shall be subject to written approval by the Lebanon Fire Department.***

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **12 Volt Exterior Lighting**

All emergency lighting shall meet current KKK specifications and be Whelen brand. LED technology shall be used. Emergency Lighting and include at least the following:

- Light bar with Opticom™ system. (Opticom™ may be separate)
- Side warning over front and rear wheels and front bumper sides
- Two red LED lights mounted on cab front
- Two red LED lights mounted above rear taillights
- Two amber LED lights mounted on rear of module
- Alternating (wigwag) headlights
- Four 8 - 32° Whelen 900 series floods – two on each side of the module
- Two 8 - 32° Whelen 600 series floods on rear of module
- One Traffic Master Traffic advisory light mounted on rear above doors.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

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### **Interior Lighting**

- (10) LED interior lights.
- 1,000,000 CP handheld spotlight in cab.
- 1 LED action wall counter light.
- Re-stocking light on timer shall be provided in rear of module.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **Audible Warning Devices**

One 200-watt electronic siren with microphone (dual speakers located in front bumper).

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **Body**

Manufacturer shall provide design and fabrication detail, indicate mounting procedures and show method for protection of dissimilar metals.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **Compartments**

All compartment sizes are approximates and based on current fire department apparatus. Sizes provided shall be considered the minimum acceptable compartment sizing. Alternative compartment sizes and configurations may be acceptable. Manufacturer shall show all compartment details to include the following: fabrication, lighting, hinging and door seal. All compartments, shall have dri-deck or equivalent installed, including shelves. These are minimum measurements and may be exceeded in size but not decreased in size.

***Note: see attached pictures for current compartment layout and numbering.***

#### **Compartment #1 – curb side forward**

Width = minimum 24" with exterior opening *AT LEAST* 24"

Height = 46"

Depth = 28"

(2) adjustable shelves

Shall have both interior and exterior access

**Does your proposal comply with this requirement? YES ( ) NO ( )**

#### **Compartment #2 – curb side rear**

Width = 28"

Height = 78"

Depth = 20"

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Adjustable vertical storage/ dividers for back boards & scoop stretcher  
Shall have both interior and exterior access

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Compartment #3 - street side forward**

Width = 22"

Height = 78"

Depth = 22"

Shall be capable of holding M size Oxygen cylinder & Stryker Stair-Pro Stair Chair with bidder provided bracket as specified on page 13.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Compartment #4 - street side middle**

Width = 44"

Height = 30"

Depth = 20"

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Compartment #5 - street side rear**

Width = 32"

Height = 54"

Depth = 20"

(3) Adjustable shelves

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Finish**

**Cab and Modular Paint:**

The modular body shall be painted red to match the chassis cab.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Paint Stripe:**

There shall be two (2) straight 11 inch stripes, one (1) at mid body and one (1) lower body paint stripe. Lower stripe starts at bottom of module.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

**Decals:**

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Shall be provided to meet current our ambulance design *AND* color scheme (see photographs). The “Ambulance” and “Star of Life” decal packages shall be from the same manufacturer and shall conform to the KKK-D specifications.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **Lettering:**

All lettering shall closely match present vehicle in service at department headquarters. Prior to delivery the vehicle shall be lettered with Gold Reflective Shadowed lettering. Also included shall be a drop vinyl shadow and an outline around the entire letter. Outline shall be black vinyl and the shadow shall be blue. Lettering shall include up to eighty- (80) letters. All “Star of Life” and “Ambulance” decals shall be applied at the time of the lettering to provide a uniform appearance.

- The rear end of the box and doors **shall** have yellow and green chevron pattern to increase visibility in low and no light conditions. (change from current ambulance)
- All lettering and decal proposals shall be authorized in writing by the Assistant Chief of this department prior to installation.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

### **Ambulance equipment to be included in the bid proposal:**

- (1) Stryker® Power Pro XT Power Cot with the following options:
  - Vehicle mounting brackets (installed)
  - 2 Batteries
  - Dual Wheel Locks
  - Backrest Storage Pouch
  - Equipment Hook
  - Head End Storage Flat
  - IV Pole
  - Foot End Oxygen Holder
- (1) LifePak® 15 wall mount system with swivel. Mounting location to be approved by this department. Mount must be capable of holding a LP-15 with manufacturer supplied case installed in customer approved location.
- (3) Ziamatic® QUIC-RELEASE Strapless Cylinder Brackets Model #QR-D-2. Installed in customer approved mounting location.
- (1) Portable refrigerated device suitable for maintaining medications at between 36 and 46 degrees Fahrenheit appropriately secured in customer approved location. Power supply must be provided to approved location.
- S-SCORT® VX-2® portable suction unit with mounting bracket installed in customer approved mounting location.
- Back-Up camera installed by factory or dealer.
- (1) Ziamatic® QR-M bracket for "M" cylinder mounted in Oxygen compartment.

**Does your proposal comply with this requirement? YES ( ) NO ( )**

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For ease of reviewing prices, the following two (2) pages must be filled out in their entirety and submitted at the front of the bid package. If these pages are not completed, the bid will automatically be rejected.

**PRICING**

Total Delivered Price Per Specifications: \$\_\_\_\_\_

Total of trade vehicle 2006 E-450 Road Rescue Ultra Medic: \$\_\_\_\_\_

*In Written*  
*Words*\_\_\_\_\_

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Delivery Lead Time: \_\_\_\_\_

Note: Delivery time shall be stated in calendar days.

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**SERVICE LOCATION**

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Phone Number

How long has this business been in operation?\_\_\_\_\_ Date established\_\_\_\_\_

How long has this service location been engaged in servicing fire department ambulances?  
\_\_\_\_\_

How many vehicles can be accommodated for service at this location?\_\_\_\_\_

How many vehicles have been delivered by this business/dealer in the past (1) year? \_\_\_\_\_

How many vehicles have been delivered by this business/dealer in the past (5) years?\_\_\_\_\_

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**AUTHORIZATION**

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Authorized Signature of Proposer

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Company Name

---

Typed or printed name

---

Street Address

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Title

---

City, State Zip

---

Dated

---

Phone Number

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Fax Number