



REQUEST FOR PROPOSALS

**LEBANON FIRE DEPARTMENT
AMBULANCE**

Issued: July 21, 2021

You are cordially invited to submit a proposal for a new Type 1 Ambulance in accordance with the attached specifications terms and conditions. Prospective respondents are advised to read this information carefully prior to submitting a proposal.

**All proposals/bids must be received by:
August 20, 2021 11:30 a.m. EST**

REQUEST FOR PROPOSAL

2021/22 TYPE I AMBULANCE ISSUE DATE: July 21, 2021

OPENING DATE/DEADLINE: Friday, August 20, 2021 @ 11:30 a.m.

The following pages include specifications requested by the Lebanon Fire Department for the purchase of a new ambulance. Interested bidders are required to have their competitive proposal submitted to by the above-mentioned deadline:

Mailing Address:

Assistant Fire Chief
Jeffrey Libbey
12 South Park Street
Lebanon, New Hampshire 03766

All bid packages shall be clearly identified as: "Lebanon Fire Department Ambulance Proposal" with the bid opening date and time.

This request for proposal contains references and comparisons to a currently owned vehicle entitled "2019 Ford / Lifeline Ambulance #1". This vehicle may be viewed and or photographed by appointment. Appointments should be made at least 24 hours in advance by contacting one of the listed contacts below.

Assistant Chief Jeffrey Libbey
603-448-8810 ext. 1702
Jeffrey.Libbey@lebanonnh.gov

Captain Jeff Egner
603-448-8810 ext. 1704
jeff.egner@lebanonnh.gov

Firefighter Joel Coelho
603-448-8810
Joel.coelho@lebanonnh.gov

Intent of Specifications

It is the intent of these specifications to describe the layout, furnishing and desires of the Purchaser. The vendor is responsible to ensure a complete ambulance equipped as required by KKK-A-1822F or as specified. It is the intent of the purchaser to conform to NFPA 1917 recommendations when possible. The primary objective of these specifications is to obtain the most acceptable ambulance for service in the Lebanon Fire Department. These specifications do not cover specific requirements as to the type of construction and tests to which the ambulance must conform. However, where specified, certain details such as finish, material preferences, and equipment, the successful bidder must conform, or in writing detail the exception.

The design of the ambulance must embody the latest approved automotive design practices. The workmanship must be of the highest quality in its respective field. Special consideration shall be given to service access to areas needing periodic maintenance and ease of operation. Construction must be heavy-duty and ample safety factors must be provided to carry loads as specified. The construction method employed will be in such a manner as to allow ready removal of any component for service or repair.

The ambulance shall conform to the KKK-A-1822F, in its most recent edition, unless otherwise specified in this document. Only the specified support equipment listed in these specifications shall be provided.

The ambulance shall further conform to all Federal Motor Vehicle Safety Standards. No exception.

Each bidder shall furnish satisfactory evidence of their ability to design, engineer, and construct the ambulance specified and shall state the location of the factory producing the ambulance. They shall also substantiate they are in a position to render prompt and proper service and to furnish replacement parts for the ambulance.

Each bid must be accompanied by a set of detailed contractor's specifications consisting of a detailed description of the ambulance and equipment proposed. These specifications shall include size, location, type, and model of all components being furnished. Detailed information shall be provided on the materials used to construct all facets of the ambulance body.

All Emergency and module lighting shall be LED with no exceptions.

Bids will be submitted in accordance with the instructions provided on the cover sheet. The words "Lebanon Fire Department Ambulance Proposal", the date, and bid opening time shall be stated on the front of the bid envelope.

It shall be the responsibility of the bidder to assure that their proposal arrives before 11:30 AM August 20, 2021. Late proposals, telegrams, facsimile, or telephone bids will not be considered. No exception.

All bidders are required to detail the payment terms for apparatus on the bidder's proposal page. Any required prepayments or progress payments must be explained in detail.

The City of Lebanon reserves the right to accept or reject any and all proposals, or to purchase a Demonstrator model that closely resembles these specifications as determined acceptable by the Lebanon Fire Department.

Reference List

Each bid shall be accompanied by a list of at least fifteen (15) similarly constructed ambulances presently in service in Maine, New Hampshire, Vermont, or Massachusetts. Each reference must be an ambulance built of the same construction style as these specifications call for. This list shall include customers' names, addresses, date ambulance was placed in service, and a current contact with phone number.

TYPE I - AD (ADDITIONAL DUTY) AMBULANCE

CHASSIS

- Type I shall be a Cab-Chassis with modular ambulance body, increased GVWR, storage, and payload.
- Chassis will be a Ford F-550 4X4 model year 2022 or newer. Diesel engine. XLT Trim level will be minimum.
- The cab will have arm rests for the driver and passenger
- The front bumper should be an aluminum "heavy duty" bumper with as much of the forward facing surface as possible covered in red and yellow 6" chevrons. All other metal will be diamond-plate. There will be a frame mounted extra duty 2-inch receiver hitch mounted in this bumper, and 2 additional recovery points.
- Whelen 200W siren with 2 speakers
- Front and rear mud flaps
- IDP front stabilizer
- Electric remote control
- Heated side view mirrors
- Engine hour meter
- OEM AM/FM radio
- Dual purpose backup and patient area camera system with viewing from driver's seat
- Polished aluminum wheels
- Rear suspension should be quoted with a Liquid Spring Suspension with a dump feature
- Spare tire and wheel.
- Exhaust to adapt to existing Plymovent® exhaust system.
- Cab mounted switch panel, voltage meter, handheld spot light,
- (4) Cab mounted 2.1-amp (minimum each) USB/USB-C style charging ports for portable electronic devices. (2) Should be dash mounted and (2) mounted near map box area (locations must be customer approved), these should be constantly powered.
- Cab mounted fire extinguisher.
- 4 battery system
- Pass-through access with isolation barrier, (window) to provide infectious disease patient separation from driver.

AMBULANCE MODULE EXTERIOR

- Exterior Ambulance Body to be approximately 168"
- Heavy duty rubber "rub rails" shall surround the bottom sides of the ambulance module
- Ceiling mounted LED door ajar and parking brake warning lights, and map box and glove storage area.
- The rear bumper should be a diamond plate aluminum bumper. The bumper will be fabricated in such a way that a permanent cut-out only as wide as necessary for loading and unloading the stretcher. Rubber bumpers will be attached to the outside of the bumper. There will be a frame mounted extra duty 2-inch receiver hitch mounted in this bumper, and 2 additional recovery points.
- All vendors are requested to provide engineered drawings stating loading heights for Air/hydraulic Suspension. Loading height MUST comply with a standard Stryker Power-ProXT* ambulance stretcher utilizing the Power-load by Stryker*
- 6" Red and safety yellow scotch lite chevrons shall cover as much of the rear as possible.
- Rear doors to have fixed windows.
- All exterior compartments shall be illuminated with LED lighting.
- Warning lights to be LED from Whelen Engineering with a minimum of a 5-year warranty. Front warning must include an Opticom®.
 - Light bar on cab with red and white modules
 - 4 Grill Lights, red and white
 - Intersection Lights Located over the front fender area on each truck, red
 - A side warning light will be located over each rear wheel on the module body, red
 - Whelen Pioneer Plus Scene Lights, 2 on each on all 4 sides of the module box
 - Red Lights on each corner of each side of the ambulance module
 - Rear Amber Traffic Advisor, 8 light modules. The traffic advisor will activate independently and with the emergency warning lights, it will be controlled from within the cab and accessible to the driver.
 - Rear Left Side will have a red and a blue warning light
 - Rear Right Side will have a red and an amber warning light
- A battery conditioner / inverter shall be provided.
- Auto Eject system for shoreline power.
- A concealed door unlock switch shall be provided and will operate all vehicle doors including compartments.
- (1) Amber LED clearly visible from the exterior on the driver's side to indicate interior 110-volt outlets are powered.
- (1) Amber LED clearly visible from the exterior on the driver's side to indicate the vehicle is receiving shore power.

Left Side Exterior Compartments

- Front Left: Oxygen storage including the option to add a power lifting mounting system to accommodate an “M” size cylinder.
- Center Left: Accommodation for mounting a single SCBA mounted in appropriate bracket. A Streamlight Fire Vulcan* Lantern and Streamlight Survivor* will be mounted and charging when attached to shore power. There should be (1) 110v household outlet supplied in this cabinet.
 - Between the Front Left and Center Left compartment provisions should be made by way of adjustable shelving and/or slide out tool boards and/or hooks for storage of 1 firefighter’s complete set of turnout gear, a 6’ rescue hook, a 5-gallon APW fire extinguisher, bolt cutters, and a small tool box (20”x8”x8”.)
- Rear Left: Accommodation for mounting a single SCBA mounted in appropriate bracket. A Streamlight Fire Vulcan* Lantern and Streamlight Survivor will be mounted and charging when attached to shore power. There should be (1) 110v household outlet supplied in this cabinet. Provisions should be made by way of adjustable shelving and/or hooks for storage of 1 firefighter’s complete set of turnout gear, and a PAC Tools Irons Lok will be mounted.
- A slide out tray or drawer to accommodate a battery-powered hydraulic rescue tool to be stored in the horizontal position will be incorporated.

Right Side Exterior Compartments

- Front Right: Inside /outside storage as large as possible with 2 adjustable shelves for storage of first in-bags.
 - The bottom (on the floor) compartment MUST be able to fit a fully equipped Zoll X Series Advanced with both end pouches stocked and attached in addition to an EMS bag behind it measuring roughly 24”x15”x15”. A 12-volt power point and a 110-volt household outlet will be provided at this level.
 - The first adjustable shelf will accommodate an EMS bag measuring 28”x18”x12”. A 12-volt power point and a 110-volt household outlet will be provided at this level.
 - The second adjustable shelf will accommodate an EMS bag measuring 20”x20”x12”. A 12-volt power point and a 110-volt household outlet will be provided at this level.
 - An area for mounting a SSCOR VX-2 suction unit will be provided in this cabinet. Power will be available to make this a charging mount.
- Side entry door with sliding window and chevrons visible when door is open.
- Rear Right: Slide Out Storage for a Stryker Stair -PRO 6252. In addition, provisions should be made by way of adjustable shelving and/or slide out tool boards for 2 backboards, a scoop stretcher, 1 pediatric backboard, and 3 small duffel bags that hold headblocks and splinting devices. The area of this cabinet that is for bag storage should be accessible from the inside of the ambulance.

AMBULANCE MODULE INTERIOR

- All cabinets will have plexi-glass doors that latch in the closed position.
- All cabinets will have LED lighting in the interior
- A backlit or LED atomic clock shall be provided in the patient care compartment.
- (1) Ziamatic Strapless “D” Cylinder Bracket mounted in customer approved location.
- (1) Ziamatic Strapless “E” Cylinder Bracket mounted in customer approved location.
- The captains seat will incorporate a child safety seat.
- A Stryker #6390 Power Load will be installed and a Stryker Power-ProXT stretcher will be included.
- 5-minute module disconnect timer.
- Restocking light timer.
- A cabinet sized to accommodate 5 standard 2” 3-ring binders will be provided on the wall that is adjacent to the cab.
- Any cabinets not specifically mentioned below should mimic the current 2019 Ford/Lifeline “Ambulance 1”

Driver Side

- “CPR Seat” with 4-Point Provider Safety Seat Belt and storage beneath the seat
- Counter top area forward of the CPR Seat (approximately 55”x18”) with Technimount Standard Base surface mounted at customer provided location.
- The wall area here will have two oxygen sources, suction, (2) 110-volt household duplex outlets, (2) 12-volt power supplied outlets, and (2) 2.1 amp minimum (each) constantly powered USB/USB-C Charging ports located in the forward portion of the action area.
- Cabinets above the action area should allow for approximately 22” of clearance and should be as large as possible with adjustable shelving.
- The area the rear of the “CPR Seat” will have a minimum of 2 forward facing sliding cabinets that will accommodate IV supplies, an area to mount a IV pump and medication syringe labels (IV pump and medication syringe labels provided by customer) and counter space
- The rear area will have cabinets with adjustable shelves accessible from the interior only as space allows.
- Space for a sharps container and a trash can will be provided and within reach of the “CPR Seat”

Passenger Side

- A bench seat with seating provided for two providers utilizing a 4-point safety belt and storage beneath the seat.
- A cabinet will be located at the forward most part of the bench seat with a Technimount standard base surface mounted on top of it. This cabinet will have a minimum of 2 drawers in it and will open towards the center of the ambulance. One of these drawers will be capable of keeping IV fluids warm. (DC power for warmer in drawer)

- Above this cabinet controls for the lighting, module functions, oxygen will be mounted and able to be used by providers sitting both on the bench seat and the captain chair.
- Space for mounting of a radio control head, microphone, and speaker.
- The area the rear of the bench seat will have a minimum of 2 forward facing sliding cabinets that will accommodate IV supplies.
- Cabinets above the bench seat
- Space for a sharps container and a trash can will be provided and within reach of the bench seat.
- Additional oxygen ports will be provided above and forward of the right-side squad bench and recessed into the ceiling.
- Mounted fire extinguisher – customer determined location.

Paint

- Color to be RED as close to PPG 701,519 as possible.
- Local Stripping and lettering to match as close in regards to Lebanon Engine 9, to include triple white reflective striping, large white reflective number on rear sides of ambulance, gold leaf door and side, star of life.

Additional Equipment

The following equipment should be itemized and included in the final quote. Items on this list will be installed in customer designated location if applicable.

- Cab mounted Streamlight: PolyStinger Rechargeable C4 LED Polymer Flashlight, NiCad Battery Stick, 385 Lumens, Yellow, with 12-volt charger.
- (2) Scott 75 Series SCBA Mounting Brackets with straps mounted.
- (2) Streamlight: Fire Vulcan LED, Rechargeable Lantern, Quick Release Shoulder Strap, 2 Lithium-Ion Nanotechnology Cells, 145 Lumens.
- (2) Streamlight: Survivor Right Angle LED, Rechargeable with charger/holder
- Stryker Power-PRO XT with XPS Siderails, Model 6506 with 8-year manufacturer service contract
- Stryker Power-LOAD Model 6390 with 8-year manufacturer service contract
- SSCOR VX-2 with Charging/Retention Bracket
- Holmatro COMBI TOOL PCT50
- Hurst SC 358 E2 Combi Tool

Equipment Mounting

The successful bidder will mount all listed customer owned equipment in customer determined location.

- Medication Labeling System

Applicant Initials _____

- Two Way Radio, Microphones (Front and Back), Antenna's and Speaker(s)
- Knox Box
- Thermometer
- Hand-held flashlight in cab
- Weather Tech front floor liner for cab floor
- Mounting portable suction unit per customer request
- Radio/ Customer
- Radio Repeater
- Opticom Emitter
- Opticom GPS

Warranties

List all warranties provided.

Questions/Inquires

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