

LEGAL NOTICE
TOWN OF LEDYARD, CONNECTICUT
INVITATION TO BID – BID #2018-04 AMBULANCE

November 14, 2017

The Town of Ledyard seeks sealed bids for a new ambulance. Information to Bidders, Specifications, and Bid Proposal Forms may be obtained on the Town's Website at <http://ledyardct.org>.

Sealed proposals will be received by the Director of Finance, Ledyard Town Hall, 741 Colonel Ledyard Highway, Ledyard, CT. 06339, until 2:00 p.m., Monday, December 4, 2018, at which time they will be opened and read aloud. Proposals received after that time will not be accepted and will be returned to the bidder unopened. Proposals should be clearly marked "SEALED BID #2018-04: LEDYARD AMBULANCE" and bidder's full return address on the outside envelope.

Prospective Bidders may contact Russell Shaw, Administrator of Emergency Services, at (860) 464-0134 office/ (860) 449-3364 cell for additional information or clarification of the bidding process.

The Town of Ledyard reserves the right to waive any technical defects in the bids; to reject any bids which do not conform to the terms and conditions described in the specifications; to reject any or all bids and to again invite bids; and waive informalities or irregularities in the bidding process.

The award of a Contract, if awarded, will be to the lowest responsible qualified bidder, provided that the bid is reasonable, and provided that it is in the best interest of the Town of Ledyard to accept such bid, and subject to any choice by the Town of Ledyard as to any alternate specifications as may be agreed upon.



Marcia Hancock
Director of Finance

TOWN OF LEDYARD - BID #2018-04: AMBULANCE -BIDDING INSTRUCTIONS

1. The Town of Ledyard will receive sealed bids for a new ambulance for the Town's ambulance service.
2. Bids will be received until 2:00 P.M., Monday, December 4, 2018, at which time they will be publicly opened and read aloud at Town Hall, 741 Colonel Ledyard Highway, Ledyard, CT. Any bid received after the scheduled closing time for the receipt of bids will be returned to the bidder unopened.
3. Bids must be submitted in sealed envelopes addressed to Director of Finance, Ledyard Town Hall, 741 Colonel Ledyard Highway, Ledyard, CT 06339, and must include the words "SEALED BID #2018- 04: LEDYARD AMBULANCE" on the outer envelope. The bidder's name and return address shall also be provided on the outer envelope.
4. Bids must be submitted on the bid forms attached. An original and one (1) copy as well as one electronic copy shall be submitted. Any bid showing any omission, alteration in form, additions not called for, and any conditional bids, alternative bids or bids showing irregularities of any kind will be rejected.
5. Subject to the rights reserved to the Town of Ledyard in paragraph 6 below, the contract shall be awarded to the lowest responsible, qualified bidder, provided that funds are available.
6. The Town of Ledyard reserves the right to waive technical defects in the bids; to reject any bids which do not conform to terms and conditions described in the specifications; to reject any or all bids and again invite bids; and waive informalities or irregularities in the bidding process.
7. In submitting this bid, bidders agree to hold their bid open for 90 days after the actual bid opening date.
8. Any bid once deposited with the Town of Ledyard may only be withdrawn by letter of request, signed by the depositing bidder, and presented to the Mayor of the Town of Ledyard prior to the time of opening of any bid for the project in question.
9. The Town of Ledyard is exempt from tax on material, supplies and labor. Connecticut sales or use taxes shall not be included as part of the bid.
10. Any deviations from the technical specifications shall be identified and described.
11. Bidders shall include in their submittal equipment brochures, including representative photos, specification sheets, a list of accessories (if applicable), and standard warranty provisions.
12. Prospective bidders may contact Mr. Russell Shaw, Administrator of Emergency Services, at (860) 464-0134 for additional information or clarification regarding the bid specifications.

Specifications for Town of Ledyard New Ambulance

**Bidder
Complies**

Yes No

BID SPECIFICATIONS

Please place a "checkmark" in the appropriate column and fill in appropriate blanks.

The Town of Ledyard is requesting bids for a 2018 Dodge 5500 4x4 DRW diesel powered with a New Type I Ambulance module. Unit must meet all current KKK A-1822F and State of Connecticut regulations for its intended use and be constructed in a quality workmanship manner.

PROPOSAL FORMAT

For ease of comparison, all bid proposals must be submitted utilizing this form. Ledyard will compare all bids to determine best value. These specifications are written to provide direction and to provide a common format for comparisons. Our desire is for manufacturers to submit their best product that meets with this direction without having to re-engineer their regular product. Specifications in the area of compartment size are meant to be guidelines. Vendors are encouraged to offer alternatives or multiple bids for evaluation.

DELIVERY

Delivery of the proposed vehicle must be within 240 calendar days from receipt of bid award. Bid price must include delivery to the Town of Ledyard, 11 Fairway Drive. Since delivery proposals by the bidder will weigh heavily in the determination of this bid award, the delivery schedules that are being submitted by the bidder will automatically become binding upon the award of this contract to the successful bidder. The bidder is legally responsible if these specifications are not met at the time of delivery. The successful bidder must provide a training seminar for members of the purchasing organization to familiarize them with the operation of the vehicle upon delivery.

Proposed delivery date _____

ACCEPTANCE

Should the vehicle being proposed not meet or exceed the specifications called for within this package at delivery, the purchaser reserves the right to reject the vehicle without any penalty fee to the purchaser.

PAYMENT

Bid price must remain binding for a period of ninety (90) days from the bid opening date. Payment will be made in full only after delivery and acceptance of the completed unit. A Bill of Sale and both chassis and conversion Manufacturer's Statements of Origin (M.S.O.) must be provided at time of delivery and receipt of payment in full.

WARRANTIES

Please list the maximum warranty limitations by number of years / mileage. If any of the warranties are *pro-rated* by time, mileage, or other condition, please specify

1. Modular Body Structural _____

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**Bidder
Complies**

Yes No

2. Interior Cabinets _____
3. Water Intrusion _____
4. Inverter Electrical System _____
5. Electrical System Wiring Harness and Switches _____
6. Paint _____
7. Chassis _____

SERVICE SUPPORT AND AVAILABILITY

Service will be a major factor in the award of this proposal. Convenience and experience will be factors in determining acceptable service. A service facility within a reasonable radius will be required. Person who perform the training shall be trained by the manufacturer. Special attention shall be given to electrical and HVAC service.

Please include the following:

- Facility name and address _____
- Distance to the service facility _____
- List any mobile service available _____

If additional space is required attach sheet to end and make notation here.

QUALITY AND WORKMANSHIP

The design of the Ambulance must embody the latest approved automotive engineering practices. The workmanship must be of the highest quality in its respective field. Special consideration will be given to the following points: accessibility of the various components which require periodic maintenance operations, and ease of operation.

Construction must be rugged. Ample safety factors must be provided to carry loads as specified and to meet both on and off-road requirements and speed conditions as set forth under traditional EMS conditions.

DRAWINGS

Bidder must include 8½" x 11" proposal drawings of the vehicle being proposed, showing the locations of all requested equipment, cabinets, compartments and all dimensions. Views must include front and rear exterior views, street side and curb side exterior views, and interior views of front wall, rear wall, main cabinet wall, bench wall, and overhead.

The delivered load height must useable with a Stryker PowerLOAD system and disclosed on the Bid by vendor. Load Height _____

Wet weight of vehicle must be listed by bidder. Wet weight _____

<div>Specifications for Town of Ledyard</div> <div>New Ambulance</div>	Bidder Complies	
	Yes	No
<p>CHASSIS</p> <p>New 2018 Dodge 5500 4x4 DRW diesel powered 19,500 GVW Chassis with Ambulance prep package.</p> <p>ENGINE: 6.7L Diesel.</p> <p>TRANSMISSION: 6 speed Heavy Duty automatic transmission</p> <p>TRANSFER CASE: Electric Shift-on-the-Fly Transfer Case</p> <p>BRAKE SYSTEM: Heavy Duty 4-wheel disc and anti-lock brake systems</p> <p>REAR SUSENSION AND DRIVE AXLES: Limited slip or Heavy Duty Locking Differential with a gross vehicle weight rating certified for use with an ambulance package including cargo and payload. The rear suspension will be modified with a Liquidspring suspension designed to meet the correct height needed to meet standards and allow the use of a Stryker Power load System.</p> <p>FRONT SUSPENSION AND STEERING: Chassis shall be equipped with power-assist steering and tilt steering wheel.</p> <p>WHEELS AND TIRES: All Season Kevlar Side Wall Tires and Forged Aluminum Polished Wheels with solid extension valves with stabilizers for inside rear duals.</p> <p>SIDE VIEW MIRRORS: Dodge Heated Tow mirrors with Turn Signals and courtesy lamps.</p> <p>AM/FM Radio: Manufacturer O.E.M. UConnect 3.0 stereo radio shall be installed.</p> <p>THROTTLE MANAGER: Stationary Elevated Idle control that will interface with a low voltage throttle manager. All safety interlocks must be in place for the manual throttle to activate the high idle function. It shall be preset so that when activated it will operate the engine at a speed necessary to maintain proper system voltage. The device shall operate only when the vehicle is in "park" and the parking brake is engaged. The device shall disengage when the service brake pedal is depressed or the transmission is placed in gear. The device shall automatically reengage when the service brake is released or the vehicle is again placed in "park" and the parking brake engaged. (When allowable, the above the throttle system shall interface with the Electrical Control System)</p> <p>POWER DRIVER’S SEAT: The driver’s seat shall be bucket style and equipped with an OEM 6-way power adjustable seat base. Passenger seat will also be a bucket style.</p> <p>REMOTE KEYLESS ENTRY: The chassis shall be equipped with two (2) OEM remote key fobs. An emergency push button to unlock drivers cab door will be located behind the grill on the drivers side.</p>		

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<p>POWER WINDOWS AND DOOR LOCKS: The chassis shall be equipped with OEM power windows and door locks. The module will also be equipped with power door looks intergraded with the OEM chassis system. Additional back lit operating switches will be located in the action area, at each module door.</p> <p>HAND HELD CAB SPOTLIGHT: There shall be a 400,000-watt candlepower "Optronics Blue-Eye" hand held spot light located in the vehicle cab. A Polyurethane covered open top box large enough to accommodate the hand help spot light shall be supplied.</p> <p>DRIVER’S CONSOLE: A custom driver's control panel console shall be installed. This console shall be designed to allow easy access from either cab seat. This console shall be manufactured out of wood and a color coordinated laminate. The console shall be covered with 1/8" padded black vinyl cover. The radius corners shall be an aluminum extrusion. The console shall include a switch and siren area, three (3) radio control heads, map storage, two (2) glove box holders and cup holders. Design of the console shall be submitted for acceptance.</p> <p>REAR TIRE CHAINS: The ambulance vehicle shall have On-Spot Tire Chain system installed. Shall include a guarded style switch mounted on the console, and a polyurethane covered cage and shelf for the compressor.</p> <p>BATTERIES: The ambulance shall be equipped with dual auxiliary yellow top Optima batteries. The batteries shall have a minimum of 900 CCA. The auxiliary batteries will be mounted in a slide out tray located in the front curbside compartment. The battery compartment shall be sealed off from the patient compartment, exterior compartments, and cab. Battery cables shall be a minimum of 1/0 gauge.</p> <p>OWNER’S MANUAL A complete ambulance manufacturer's owner's manual shall be included with vehicle. The manual will include wiring diagrams as well as a wiring narrative about the vehicle. Also included will be all additional manufacturer instructions from options provided.</p> <p>MODULE BODY The body exterior shall be a minimum of 170" long x 96" wide x 90" high.</p> <p>MODULE BODY CONSTRUCTION Modular body construction methods and materials must be certified in compliance with AMD Standard 001, "Static load test for ambulance body structure". All body panels, structures, and extrusions shall be fabricated of ALL ALUMINUM construction using alloys consistent with the load requirements of the vehicle. Exterior body sides and ends shall be fabricated from .125" thickness single flat sheet aluminum or better.</p>		

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<p>MODULE MOUNTING</p> <p>The module shall be mounted using ladder frame cross members and OEM rubber spacers with steel sleeves. A minimum # 8 grade bolt and locking nut provided with chassis shall be used. These mounting points shall utilize existing OEM frame rail holes whenever possible. The Mounting system shall meet all OEM and FMVSS requirements and be designed to facilitate future remounting.</p> <p>PASS THRU</p> <p>The cab will be connected to the module with a pass thru. This pass thru will be shown on a detailed drawing showing dimensions and method of sealing.</p> <p>ROOF</p> <p>The roof shall be one piece .125 sheet or greater. The roof shall be crowned 1/2" to facilitate water runoff. The roof sheet shall interlock with the roof frame extrusions. The roof shall be insulated and include vapor barrier.</p> <p>UNDERCOATING</p> <p>After the body is assembled, all under body surfaces are to be heavily coated with automotive grade petroleum based undercoating to protect against road salts and to provide additional sound deadening.</p> <p>KKK PACKAGE</p> <p>To assist in meeting the federal procurement specification - KKK-1822-F the following components shall be included:</p> <ul style="list-style-type: none"> • Oxygen Regulator • 2, five pound fire extinguishers • Oxygen wrench <p>FINISHED HEADROOM</p> <p>The interior of the patient compartment will provide no less than 76 inches of finished headroom from floor to ceiling.</p> <p>WHEEL WELL TRIM</p> <p>There shall be fenderettes installed around the rear body cutout above the rear wheels. Housings shall attach to the modular body utilizing stainless steel bolts with barrier tape and "ECK" applied between the dissimilar metals. Fasteners shall not be exposed.</p> <p>MODULE ENTRY DOORS</p> <p>There shall be entry doors on the curbside and the rear of the patient compartment. The entry doors shall be recessed into the extruded frame that shall be level with the exterior wall skin. Doors shall be adjustable, have a vapor barrier and be insulated. Doors shall have a full seal mounted in a way to protect them from abuse. All door latch Nader pins shall be adjustable. Inner and outer sills of the entrance doorframes shall be trimmed with formed, brushed stainless steel plates to protect painted surfaces. Doors shall be equipped with stainless steel,</p>		

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<p>slam style paddle handles and have both an interior and exterior paddle latch. A nonskid easy-grip surface shall be applied to the backside of the handle. There shall be a rubber gasket installed between the paddle handle and the door. All screws shall be coated with an anti-corrosive paste prior to application. All entrance doors and exterior compartment doors shall be keyed alike. The right rear and side entrance doors shall be lockable from inside or outside.</p> <p>MODULE SIDE ENTRY DOOR</p> <p>The side entrance door shall be equipped with a heavy-duty gas dampening hold open device that shall hold the door open at 90 degrees, equipped with a manufacture sized 16" x 20" sliding, tinted safety plate window in an aluminum frame with a threshold with non-slip tape installed.</p> <p>REAR MODULE DOORS</p> <p>The ambulance module shall have a minimum of 56 inches of pass thru height at rear doors. The rear doors shall also have Grabber style hold opens with replaceable rubber catches. The Cast Products "Grabber" style hold opens shall be installed on each door with the appropriate socket being installed on the rear body wall attached to an aluminum support tube. Rear entry doors shall be equipped with a non-opening, tinted safety plate window in an aluminum frame.</p> <p>DOOR HARDWARE</p> <p>Each modular body entrance door shall be equipped with two heavy-duty rotary latches to meet FMVSS 206 standards. Each rotary latch shall close on a post (Nader pin) mounted to the doorframe extrusion. Both rear doors must latch onto the doorframe. All door latch posts shall be adjustable. A continuous door gasket shall be installed 360 degrees around the entire door. Stainless steel sill plates shall be installed on all inner and outer doorsills.</p> <p>Each door shall have a continuous three inch wide stainless steel hinge with a .250" pin. Hinges shall be slotted for adjustment and attached to the door with .250" stainless steel Truss head bolts for easy removal. Hinges shall also be bolted to the module body frame. The use of rivets or self-taping screws/bolts will not be acceptable. A dielectric barrier to include "Eck" and anti-corrosive tape shall be provided between the hinge and the door-frame.</p> <p>DOOR PANELS</p> <p>Each modular entrance door shall have removable minimum .100" aluminum inside access panel to facilitate latch adjustment or repair. The lower interior panel shall be .100 polished, bright aluminum tread plate. The upper interior door panels shall be minimum .100" aluminum covered with laminate. They shall be recessed into the door extrusion and attached using stainless flathead screws and locking cage nuts. All areas where a locking cage nut cannot be applied, a stainless-steel machine screw will be tapped into a minimum .250 aluminum.</p>		
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**Bidder
Complies**

Yes No

PROTECTIVE PADDING

There shall be protective pads directly above the side and rear doors. These pads shall be a minimum of 2" thick and shall be constructed of high-density foam and heavy-duty vinyl. No piping shall be used and all seams shall be sealed to repel contaminants. The cushions shall be installed with industrial grade plastic hook and loop Velcro allowing easy removal for cleaning. Pads over entry doors shall extend below the Nader pins to prevent serious head injury. These pads shall be trimmed on the exterior side with stainless steel.

STEP WELL STORAGE

A formed aluminum side entrance doorstep shall be recessed into the body and be lined with bright aluminum tread plate on all exposed surfaces. The step well shall include a recessed section in order to accommodate "D" size oxygen tank(s) on the side of the step well. The step well shall be lighted.

SIDE BODY WINDOW

There shall be a Fixed window with Privacy Glass installed in the side of the module body. The window shall be a minimum of 30" x 16".

EXTERIOR COMPARTMENTS

As we desire the maximum amount of exterior compartments without forcing a complete re-design of a manufactures' existing design, we are issuing the below general specifications. Each bid submittal will include drawings showing the exact size and locations of each exterior compartment.

The exterior compartments shall be formed from a minimum .090" aluminum sheet. The compartments shall be welded to the body floor and sidewall structure for strength and rigidity. All corner seams shall be welded and caulked.

MODULE COMPARTMENT DOORS

All doors shall be a minimum of 2" thick, framed by aluminum extrusions. The door frame extrusion will be continuously welded to the wall skin and a minimum, two-inch square framing extrusion. The door frame extrusion shall be level with the side and rear body skin. In addition to the extrusions reinforcing each outer door pan, the extrusions themselves shall be reinforced through a dual joining method. Each mitered corner, where the framed corners join, shall be fitted with an angled gusset and an exterior .125 door pan. The corners shall then be welded and finished smooth. The door facing and the edge shall be a single .125 skin. All doors shall include 2" foam plank insulation.

The compartment door jamb shall be welded to a minimum 2" x 2" tube. The door jamb trim shall also be welded on the interior where each door pin is located. All doors shall mate with the doorframe extrusion, forming a gasket area for the pneumatic door seal.

The exterior door panels shall be formed to surround the extruded perimeter framing and be welded in place. Door corners shall be welded and ground smooth. The maximum space

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New Ambulance

**Bidder
Complies**

Yes No

between each of the three-quarter welds shall be fifteen inches. Interior panels shall be recessed into the extruded frame and screwed into place using stainless steel flat head machine screws and locking cage nuts. All areas that will not accommodate a locking cage nut will have screw holes tapped into a quarter inch of aluminum.

COMPARTMENT DOOR HARDWARE

Doors shall have rotary latches with stainless steel, slam style paddle handles. A nonskid easy-grip surface shall be applied to the backside of the handle to permit a gloved or wet hand to easily grip the handle. There shall be a rubber gasket between the paddle handle and the door. All door latch posts shall be adjustable. All compartment doors shall be keyed alike and lockable.

A continuous door gasket shall be installed 360 degrees around the entire door. Stainless Steel sill plates shall be installed on all inner and outer doorsills. All doors, except the battery compartment, and the rear oxygen storage door (if applicable) shall have a heavy-duty gas dampener style hold open device.

Each door shall have a continuous stainless-steel hinge with a .250" pin. Hinges shall be slotted for adjustment and attach to the door with .250" stainless steel truss head bolts for easy removal and cleaning. The truss head bolts shall be mated with a machine applied nutsert. Hinges shall not be riveted to body or doors. A dielectric barrier to include both "Eck" and an anti-corrosive tape shall be provided between the hinge and the door-frame. All single compartment doors on sides shall be front hinged for safety and convenience.

All doors taller than the belt line shall have two (2) latches and Nader pins.

Compartments requiring double doors shall provide frame latching for the second door. Doors that latch to each other shall not be acceptable. Each door shall have an exterior latch.

DOOR SEALS

The door seals must provide a 360-degree uninterrupted seal with a full 1/2" of compression. Door latches shall be inboard of the seal, therefore protecting latches from dirt, moisture, and weather deterioration. Seals shall be mounted in a way to protect them from abuse. All door latch Nader pins shall be adjustable.

Inner and outer sills of the compartment doorframes shall be trimmed with formed brushed stainless steel plates to protect painted surfaces. They shall be applied with adhesives. No mechanical fasteners may be used.

VENTING

All exterior equipment storage compartments shall be vented. There shall be two stainless steel vents in each compartment, one left side, and one right side.

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	Yes	No
<p>All vents shall be above the floor line to prevent dust from entering the compartment. The only exception shall be the oxygen compartment, which may have a vent in the door and/or below the floor line. All vents below the floor line shall have a scotch-brite style filter installed to help prevent moisture and dust from entering the compartment.</p> <p>DOOR PANELS All compartment interior door panels shall be polished diamond plate aluminum. They shall be recessed into the door extrusion and attached using stainless flathead screws and locking cage nuts. All areas where a locking cage nut cannot be applied, a stainless-steel machine screw will be taped into a minimum .250 aluminum. Interior door panels that are not recessed could have sharp edges and increase the likely-hood of contamination by blood borne pathogens. The use of self-tapping fasteners or rivets will not be accepted.</p> <p>DOOR SWITCHES Door jamb switches for interior lights, exterior compartment lights, door ajar lights, compartment door warning lights and rear load lights shall be magnetic style with ground wire trigger activated relays.</p> <p>EXTERIOR COMPARTMENT LINING All exterior compartments shall be lined with a blended component polyurethane/polyurea coating. This coating shall have a minimum thickness of .0625" in low wear areas and .125" to .188" in all other areas. The material shall be nonporous and allow for easy cleaning. It must be highly resistant to scratching and scuffing.</p> <p>This material shall be sprayed on all exterior compartment surfaces and finished in a mottled texture to minimize slippage; it shall provide a water/air tight seal and superior noise suppression. The polyurethane/polyurea Lining will not crack, peel or warp and will resist scratches. The color of this material shall be medium gray.</p> <p>COMPARTMENT LIGHTS All compartments except the right-front inside/outside P-1 shall be equipped with surface mounted Whelen Fluorent Plus Series Super-LED Compartment Tube Lighting.</p> <p>CURBSIDE REAR BACKBOARD COMPARTMENT Minimum Interior dimensions of 24" wide by 80" tall by 21" deep. There shall be a curbside rear backboard compartment which:</p> <p>Includes a Fixed Vertical Divider at 12" from the rear (left side of compartment) to allow long board storage. Install the Vertical Divider to allow for storage of a Stryker stair chair to the front (right side of the compartment). Includes a fixed Horizontal Divider on the Right Side installed 41" up from floor of compartment. Install two fully adjustable shelves above the fixed divider. This compartment shall have access to the shelves from inside the patient compartment.</p>		

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	Yes	No
<p>Three sets of equipment straps installed.</p> <p>(1) Across Lower Section.</p> <p>(1) Across Upper Section</p> <p>(1) Across Upper Right Section Midway Between Horizontal Divider and Top of Door Jamb</p> <p>CURBSIDE IS/OS COMPARTMENT</p> <p>Minimum clear interior dimensions of 20” wide by 55” tall by 33” deep above the floor.</p> <p>Be forward of the side entry door and of an inside/outside design and shall have one fixed and two fully adjustable PVC shelves with a smooth Spray-In lining.</p> <p>(1) Adjustable In the Upper Section.</p> <p>(1) Adjustable In the Lower Section.</p> <p>STREETSIDE FRONT O2 COMPARTMENT</p> <p>Clear Interior dimensions of 23” wide by 81” tall by 21” deep.</p> <p>A Slide out Board shall be mounted with a fixed mount for one M-Tank and fixed .125 inch polyurethane/polyurea covered aluminum vertical divider. A set of equipment straps installed on front wall.</p> <p>STREETSIDE MIDDLE COMPARTMENT</p> <p>To be as large as possible.</p> <p>There shall be one (1) fully adjustable diamond plate shelf with two-inch lip with ribbed rubber shelf-matting installed.</p> <p>STREETSIDE REAR COMPARTMENT</p> <p>Clear Interior dimensions of 31” wide by 36” tall by 20” deep with a split level depth 8” deep above floor line, full depth below. This shall be a single door compartment.</p> <p>There shall be one (1) fully adjustable diamond plate shelf with two inch lips installed.</p> <p>REAR STEP AND BUMPER ASSEMBLY</p> <p>There shall be a heavy duty bumper extending to each side of the step. The under carriage shall be constructed of 4 inch aluminum channel and tubing, bolted to the body and the chassis frame rails with a minimum of eight bolts. The bumper framing shall be reinforced with an additional 4 inch aluminum support coming out from the chassis frame rails at a 45-degree angle to the outside corners of the bumper. The entire assembly shall be spaced out from the rear kick plate a minimum of one inch.</p> <p>There shall be a 45" wide by 10" deep passenger step at the rear of the body. It shall be constructed of open face “Grip-Strut” safety grating, rigidly framed and supported. The rear step shall be hinged to allow it to be recessed into or folded against the rear of the body.</p>		
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<p>End sections outboard of the step shall be covered with .125 aluminum diamond tread with all corners TIG welded. The outboard sections shall be level with the open face "Grip-Strut". The outside corners of the covers shall be tapered 15 degrees to minimize bumper dragging.</p> <p>REAR KICK PANEL The vertical surface at the rear of the modular body between the rear step and the floor of the patient compartment shall be faced with a full-width 3003 diamond tread aluminum. The rear kick panel shall be attached using stainless flathead countersunk machine screws.</p> <p>The screws shall be tapped and applied with "ECK" prior to installation. The top edge of the rear kick panel shall be caulked using white auto body sealant.</p> <p>REAR STEP UP SWITCH A magnetic proximity switch shall be installed to indicate rear step is in the up position. This is to include an indicator LED light mounted in the cushion above rear entry doors.</p> <p>LOWER SIDE IMPACT RAILS There shall be rigid aluminum impact rails with cast aluminum end caps installed at the lower edge of each side of the body.</p> <p>DIAMOND PLATE RUNNING BOARDS Bright finished aluminum diamond plate running boards of .125" with grip strut inserts shall be installed on both the curb and street side of the cab doors. Running boards shall incorporate a center grip strut surface. The running boards shall include front splash shields.</p> <p>LED RUNNING BOARD LIGHTS Running boards shall be illuminated by Whelen 4" Round 2G Series Super-LED 5mm LED recessed mounted lights. These lights shall be installed on the front of the module body.</p> <p>MUD FLAPS The chassis shall have heavy-duty rear rubber mud flaps with metal stabilizers installed.</p> <p>DRIP RAILS Polished aluminum drip rails shall be installed over all exterior compartment and modular entry doors. Drip rails shall be installed with double stick tape to prevent corrosion. Drip rails installed with screws shall not be acceptable due to the probability of corrosion from dissimilar metals.</p> <p>FRONT STONE GUARD There shall be diamond tread aluminum stone shield 24" high wrapped around each front corner of the body and extending across the front of the module. The edges shall be sealed.</p>		
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<p>REAR STONE GUARDS There shall be diamond tread aluminum rear corner stone shields at rear kick plate height installed. The edges shall be sealed.</p> <p>FUEL FILL HOUSING Chassis OEM fuel-fill assemblies shall be utilized. A cast aluminum fuel fill protector shall be recessed into the body above and behind the street side rear wheel well. There shall be a polished stainless-steel plate mounted under the fuel fill area. Chassis OEM Diesel Exhaust Fluid fill assemblies shall be utilized in factory location.</p> <p>LICENSE PLATE HOUSING REAR The rear license plate housing shall be a CPI housing. It shall include two clear LED license plate lights.</p> <p>ELECTRICAL AND LIGHTING SYSTEMS All wiring and cable assemblies shall be totally encased in protective, convoluted, high temperature, 300-degree flame resistant, automotive type, and polyethylene loom. Wiring which is routed near potentially sharp edges shall be protected by grommets or edge guard material.</p> <p>All wiring shall be permanently color-coded and permanently embossed with number and function codes, spaced every 4 inches on each wire. Circuits shall serve the ambulance body and accessory electrical equipment separate and distinct from the vehicle chassis circuits.</p> <p>All wiring used shall be stranded copper with thermoplastic insulation rated to 150 degrees Centigrade. All splices and terminals provided shall comply with SAE J163, J561, or J928 as applicable.</p> <p>All wiring between the cab and module shall be connected to a terminal block located in an exclusive wire terminal interior cabinet providing a clean/dry environment for all electrical control components.</p> <p>The completed ambulance must meet or exceed all AMD Standards.</p> <p>A complete Owner's/Operating/Service Manual shall be provided. It shall contain a complete set of wiring schematics of the ambulance manufacturer's electrical system. It shall also contain the owner's manuals for all add-on and after-market components supplied by the ambulance manufacturer.</p> <p>The electrical system is be nonproprietary and a standard 12v system.</p>		

Specifications for Town of Ledyard

New Ambulance

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Complies**

Yes No

CAMERA SYSTEM

An Audiovox ceiling pedestal mounted rear view observation system shall be installed. The system includes a minimum 5" LCD monitor with a switch for manual/standby mode. The system will include (1) camera for back-up/reverse, (1) camera for patient compartment, & (2) cameras for right/left turn signals. System will be configured to automatically switch view to appropriate turn signal or reverse inputs.

AUDIBLE ALARMS

Two (2) audible alarms shall be mounted in the cab area. (1) for parking brake to sound when the unit is placed into a drive gear and (1) for any compartment/entry door open.

VISUAL ALARMS

Two (2) visual alarms shall be mounted in the cab area, one (1) for any compartment door open and one (1) for any module entry door open.

RESERSE ACTIVATED ALARM

The backup lamp switch shall have a cut off for the backup alarm that will automatically reset when the vehicle is taken out of the reverse gear. This switch shall be capable of being set prior to going in reverse, allowing the backup alarm to not activate. The model shall be an ECCO 575 back up alarm.

SECOND REAR SWITCH PANEL

There shall be an additional rear switch panel that shall include operation of all the same functions as the attendant's switch panel in the action area. This panel must have complete HVAC (heating and air) controls. There shall be a display screen for O2, temperature and fan speed. It shall be located over the head end of the squad bench.

KUSSMAUL AUTO EJECTOR

A 20 amp Kusmaul super auto-eject device shall be provided which disconnects the shore power plug when the chassis ignition is energized. The ambulance shall be equipped with a 2-wire plus ground 115 VAC wiring system that is separate and distinct from the vehicle's 12 VDC system. The 115V system shall incorporate a ground fault interrupter (GFI) device and shall have a 20 amp circuit breaker that can be used as a master disconnect switch. The exterior inlet shall have a hinged, heavy duty white Hubble spring loaded inlet cover to prevent moisture. The inlet shall be located near the driver door on the ambulance body. The inlet shall be properly marked 115 VAC and shall be provided with a mating plug. The interior duplex outlets shall have indicator lights at each outlet to indicate when 115 VAC power has been applied. Outlets shall be marked "115 VAC".

INVERTER

A Vanner model number 20-1050 CUL, 1050 watt inverter with 55Amp charger and display shall be supplied and installed. The inverter shall be equipped with an automatic transfer relay which disconnects the inverter when the shore power is applied. A remote on/off switch shall

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<p>be provided at the attendant control panel. A Remote Charger Display shall be located over the Kussmaul ejector. Inverter will auto start when engine is started.</p> <p>12-VOLT OUTLETS</p> <p>(2) 12-volt, cigarette style outlet shall be furnished.</p> <p>(1) separately protected circuit shall have one receptacle located in the main action area.</p> <p>(1) in the right front IS/OS interior cabinet.</p> <p>(2) USB Charging Ports in the action area.</p> <p>These separately protected circuits shall have a Cigarette type connector with mating plug and polarity requirements shall be supplied.</p> <p>This circuit shall also include a "SCHOTTKY" diode isolator with heat sink to isolate medical equipment and medical equipment batteries from any electrical loads that the remainder of the ambulance electrical system may impose internal 12-volt power.</p> <p>125 VOLT OUTLETS</p> <p>(6) Interior duplex outlet with an Indicator light included at the outlet to indicate when 125v AC power has been applied. The outlet(s) shall be labeled "125v AC". This 125v AC system, including wiring and associated equipment, shall comply with AMD Standard 009.</p> <p>(2) shall be installed in the action area. (This can be a quad if necessary).</p> <p>(2) shall be installed in the Curbside IS/OS Cabinet and shall be a quad.</p> <p>(1) shall be Centered Over Squad Bench</p> <p>(1) shall be located to the left of the CPR Seat</p> <p>FLASHLIGHT AND CIRCUIT</p> <p>(2) 12-volt model number SL-40 orange Streamlight flashlights shall be installed with 12-volt relay controlled power and ground circuit(s).</p> <p>They shall be located:</p> <p>(1) In the Cab mounted to the console</p> <p>(1) In the Patient Compartment, next to the side entry door.</p> <p>RADIO / ANTENNA PREP</p> <p>There shall be three (3) NMO antenna mounts and necessary antenna cables routed to the electrical cabinet. Radio location shall have power junction point with full-time battery hot, ignition-on, and ground. All radio antennas are to be installed on top of the ambulance box.</p> <p>EXTERIOR LIGHTING</p> <p>All aftermarket lighting to be L.E.D. except as noted.</p>		
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<p>ICC MARKER LIGHTS The exterior ambulance body ICC lights shall be Whelen OS Series, model number OSR00MCR (red) and OSA00MCR (amber). They shall include a chrome housing.</p> <p>FRONT CAB A pair of OEM Dodge fog lights shall be provided on the chassis bumper.</p> <p>(2) Whelen ION Super "LED" Lights on the center grill cross bar. #IONSMR Red LED With Clear Lens. Comet Flash with K-Pattern.</p> <p>(2) Whelen ION Super "LED" Lights on the center grill cross bar. #IONSMC Clear LED with Clear Lens. Comet Flash With K-Pattern. Program to Flash Opposite of Red Grill Lights and shut off when vehicle is in Park.</p> <p>FRONT MODULE (2) (One each Side) Whelen M6 Series "LED" Amber Turn Lights with chrome trim bezels installed Mounted below the Outboard red Lights. They shall be wired to flash sequentially in the direction of the arrow</p> <p>(2) Front Module Upper corners Whelen M9 Red Super "LED" Lights #M9RC Red LED With Clear Lens.</p> <p>(1) Front Module Upper center Whelen M9 Clear Super "LED" Lights #M9CC Red LED With Clear Lens.</p> <p>(4) On Front Module Wall between Center and Outboard Red Lights. Whelen Light Number: M9D Red/Clear LED W/Clear Lens.</p> <p>FLASH PATTERN All Primary/Secondary Lights Set To Comet Flash But Flash Pattern Must Comply With KKK.</p> <p>FRONT BROW LIGHT (1) Whelen PFP2 Dual Pioneer Plus floodlight brow light using a front wall recessed bracket #PBA203.</p> <p>OPTICOM There shall be an Opticom Emitter mounted on the front wall of the module body. It shall operate with a neutral park disable switch installed.</p> <p>SIDES (2) (One each side at beltline on front fender) Whelen M6 Super "LED" as Intersection Lights #M6RC Red LED With Clear Lens. Comet Flash with K-Pattern.</p>		
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<p>(2) (One each side at beltline above Rear wheel well) Whelen M7 Super "LED" Rear Wheel Well Lights #M7RC Red LED With Clear Lens. Comet Flash with K-Pattern.</p> <p>(4) (Two Each Side in Upper corners) Front Module Upper corners Whelen M9 Red Super "LED" Lights #M9RC Red LED With Clear Lens.</p> <p>(4) (Two Each Side Upper corners inside Red Warning) Whelen M9 "LED" 24 Diode #M9LZC Side Scene Lights</p> <p>Configure Right Side Scene Lights On With Open Side Entry Door. Rear & Side Scene Lights On In Reverse</p> <p>REAR</p> <p>(2) (One each Side) Whelen M6 Series LED Back-Up Lights with chrome trim bezels installed Mounted below the Rear Stop/Tail Lights on kickplate</p> <p>(2) (One each Side) Whelen M6 Series "LED" Stop/Tail Lights (One each Side) with chrome trim bezels installed Mounted above the Rear Kick Plate. Set to Stutter-Flash.</p> <p>(2) (One each Side) Whelen M6 Series "LED" Amber Turn Lights with chrome trim bezels installed Mounted above the Rear M6 Series LED Stop/Tail Lights. They shall be wired to flash sequentially in the direction of the arrow</p> <p>(2) Rear Window Level Whelen M9 Red Super "LED" Lights #M9RC Red LED with Clear Lens with Brake override.</p> <p>(2) Reverse Activated Whelen M9 "LED" Rear Load Lights 24 Diode #M9LZC Lights with Momentary Disable Switch Mounted on The Primary Rear Loading Door. The lights shall be configured to turn on when the Rear Loading Doors are open.</p> <p>(2) Rear Module Upper corners Whelen M9 Red Super "LED" Lights #M9RC Red LED With Clear Lens.</p> <p>(2) Whelen M9 Split Color/Color Super "LED" Light #M9K Red/Amber LED W/Clear Lens on Rear Module Wall between Load Lights and Outboard Red Lights.</p> <p>SIRENS AND AIR HORN Whelen 295HFSA7 Dual Amp Siren System Includes Dual Amp Option with (2) Whelen SA315 Speakers mounted behind the grill.</p> <p>(2) Grover Stuttertone Air Horns Mounted on the roof of the cab with the Compressor mounted in Street side middle compartment, Lower Left Corner(Include Mesh Cover over the</p>		

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<p>Pump). One Standard Frame Mounted Air Tank and One Secondary Frame Mounted Air Tank for Air Horn System. Air Tanks Contain Manual Drain Valves. Control Button located on the Console Near Driver.</p> <p>INTERIOR LIGHTING</p> <p>Oxygen Compartment Light</p> <p>Side Entry Door LED Stepwell Light - 3" Round Super-LED Surface Mounted Lights</p> <p>Eight (8) Ceiling Lights TecNiq 8" LED Frosted Dome with White Trim</p> <p>4-Streetside.</p> <p>4-Curbside.</p> <p>12" Grote 60591 LED Action Area Light</p> <p>Six (6) - 3" Round Super-LED Surface Mounted Lights Down Center Strip</p> <p>Whelen Part #3SC0CDCR with #3FLANGECH Chrome Flange with Gasket.</p> <p>COMPARTMENT DOOR WARNING LIGHTS</p> <p>There shall be Red Whelen OS Series OSR00FCR lights mounted, one at the upper and one at the bottom, on the interior panel of the outboard compartment door edge, of each compartment door. Lights shall be controlled by the Compartment Door Switch.</p> <p>Each module entry door shall have a Red Whelen OS Series OSR00FCR Door Light including individual Door Switch Circuit mounted;</p> <p>Side Entry Door Interior Panel, Upper Outboard Corner and Lower Outboard Corner</p> <p>Both Rear Entry Doors Interior Panel, Upper Outboard Corner and Lower Outboard Corner,</p> <p><u>PATIENT COMPARTMENT</u></p> <p>CABINETS</p> <p>As we desire the maximum amount of interior cabinets without forcing a complete re-design of a manufactures' existing design, we are issuing the below general specifications. Each bid submittal will include drawings showing the exact size and locations of each interior cabinet.</p> <p>CABINET CONSTRUCTION</p> <p>Cabinets shall be constructed of Formaldehyde free, furniture grade exterior-rated hardwood plywood. The plywood shall be made from a deciduous wood with the face, core and back all being the same species. A melamine bonding glue shall be used to join the 7-ply together. The exposed layers shall be hardwood on both sides of the sheet. The layers shall be 99% void free. Cabinet interiors and exteriors shall be covered with high pressure plastic laminate at least 28 mils thick. All cabinets shall be constructed using both glue and screws for maximum strength. Screws shall be a maximum of 10" from each other. All exterior radius corners shall have an aluminum extrusion installed. This extrusion shall be screwed in-place from inside the cabinet. The use of staples in the assembly of cabinets shall not be accepted.</p>		
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<p>CABINET DOORS</p> <p>The cabinet openings shall have sliding polycarbonate doors, hinged doors, or a combination of both. The sliding doors shall slide in felt/nylon lined 4-sided aluminum extrusions that completely surround each opening and are removable. Each sliding door shall have a full height, beveled corner extruded aluminum handle on the outer edge. This shall provide additional strength and rigidity. All hinged doors shall have a polished stainless-steel hinge with .125" pin diameter. Hinge door cabinets shall have a sweep out design. All doors will be set up to use inventory control tags.</p> <p>CABINET SHELVES</p> <p>All cabinets over 14" high shall have fully adjustable shelves. The shelves shall be made of glossy PVC to help eliminate issues caused by blood-borne pathogens. All shelves shall be fastened to the adjustable track to eliminate rattle. A polished aluminum lip shall be provided on all shelf outer edges.</p> <p>CABINET ATTACHMENT</p> <p>All interior cabinets including the squad bench shall be bolted securely to modular body frame members and floor. The attachment bolts shall be a minimum 1/4" machine grade bolts. All fasteners and washers shall be stainless steel, or coated to protect from corrosion or another non-corrosive material. All cabinets must be removable for ease of future interior modification.</p> <p>FIT AND FINISH</p> <p>Mitered joints throughout the interior conversion shall have a gapless, hairline fit. Sliding polycarbonate door assemblies shall be scratch free and all edges shall be smooth and free of saw marks and sharp edges. Cabinet to cabinet joints shall not require more than a 7/32" diameter welting to create a finished and well fit look. Cabinets shall fit tightly against the ceiling as well.</p> <p>IMPACT PROTECTION</p> <p>All exterior corners subject to abuse shall have an extrusion installed for added durability and rounded for occupant safety.</p> <p>PATIENT COMPARTMENT TESTING</p> <p>The vehicle shall meet or exceed AMD Standard 006, "Sound Level Test Code for Ambulance Compartment Interiors" and AMD Standard 007, "Carbon Monoxide Levels for Ambulance Compartment Interiors".</p> <p>COT MOUNT</p> <p>See option area at end of document</p>		

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<p>LEFT (Street Side) REAR OVERHEAD CABINET Minimum Interior dimensions of 25” wide by 17” tall by 20” deep. There shall be a left rear overhead cabinet with speed load polycarbonate doors installed. The bottom of the cabinet is to be sweep-out style. The cabinet door frame shall be secured at the top by a full length piano hinge. The entire frame shall hinge upward and be held in place by gas piston hold-open devices. The cabinet frame shall be held in the down position by two spring-loaded dead bolt style slide catches. The vertical ends of the speed load framed cabinet will have EPDM rubber foam to protect the handles from damage. All speed load cabinets that are taller than 23" and wider than 32" shall have a 1/8" x 1-1/2" anodized aluminum support. Cabinet will have one (1) fully adjustable shelf.</p> <p>LEFT REAR ANGLED CABINET There shall be an angled cabinet that runs from the Left Rear Overhead Cabinet to the Left Top Center Cabinet. The cabinet shall be the same height as the Left Rear Overhead Cabinet. The Door shall be made out of white board material. Cabinet will have one (1) fully adjustable shelf.</p> <p>LEFT TOP CENTER CABINET Minimum Interior dimensions of 35” wide by 9” tall by 8” deep. There shall be a cabinet above the side CPR seat with top hinged frameless heavy 3/8" polycarbonate doors installed. Cabinet will have three (3) fully adjustable vertical dividers.</p> <p>LEFT FRONT OVERHEAD CABINET Minimum Interior dimensions of 41” wide by 13” tall by 18” deep. There shall be a left front overhead cabinet with speed load polycarbonate doors installed. The bottom of the cabinet is to be sweep-out style. The cabinet door frame shall be secured at the top by a full length piano hinge. The entire frame shall hinge upward and be held in place by gas piston hold-open devices. The cabinet frame shall be held in the down position by two spring-loaded dead bolt style slide catches. The vertical ends of the speed load framed cabinet will have EPDM rubber foam to protect the handles from damage. All speed load cabinets that are taller than 23" and wider than 32" shall have a 1/8" x 1-1/2" anodized aluminum support. Cabinet will have one (1) fully adjustable shelf and the bidder agrees to supply ten (10) fully adjustable vertical dividers once the height of the shelf is decided by the purchaser.</p> <p>LEFT REAR BASE CABINET Minimum Interior dimensions of 22” wide by 19” tall by 20” deep. There shall be a left rear base cabinet with sliding polycarbonate doors installed. The sliding door handle shall be made from an aluminum extrusion and shall run the full length of the polycarbonate door. The full length door handle corners shall be cut at forty-five degrees. The vertical ends of the framed cabinet will have EPDM rubber foam to protect the handles from damage. The cabinet shall include two (2) fully adjustable shelves.</p>		
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<p>LEFT CENTER LOWER CABINET Minimum Interior dimensions of 7" wide by 17" tall by 16" deep. There shall be a cabinet to the rear and below the side CPR seat with side hinged frameless heavy 3/8" polycarbonate doors installed.</p> <p>ACTION AREA CABINET Minimum Interior dimensions of 12" wide by 22" tall by 4" deep. The Door shall be constructed of white board material. The cabinet will have one (1) fully adjustable shelf.</p> <p>ACTION AREA CABINET The attendant's action area shall have a slanted panel to accommodate the switches and the radio.</p> <p>CPR SEAT A seat minimum 30" wide with rear hinged lid allowing for cabinet storage shall be recessed into the street side cabinet wall directly rearward of the main action area. A 2" thick foam seat cushion, a backrest, a left and a right thigh protection cushion all covered with heavy-duty vinyl shall also be provided. There shall be no piping on the cushions to accumulate contaminated material. All seams shall be sealed to repel contaminants. A seat belt with outside wall-mounted retractors shall be provided. Upper cabinets shall have left and right head protector cushions to match the seat cushion.</p> <p>ATTENDANT'S SEAT There shall be a high back, EVS brand child seat Model 1880. The EVS seat shall be a captain's chair-type attendant seat located at the front of the patient compartment. This seat shall be covered with color coordinated heavy-duty vinyl with heat sealed seams for ease of cleaning. The seat shall include a 3-point safety harness with push button release. The seat shall have a fore and aft adjustment of six inches on heavy duty sliding tracks. The seat shall be mounted on an EVS swivel pedestal base. This and all seats in the patient compartment shall meet all FMVSS requirements. The seat shall also include a five point child restraint. (EVS states that this is "not an infant seat", it is not to be used by children less than one year old. Recommendations include, children who weigh between 20 and 50 pounds, and are 28 to 47 inches tall and capable of sitting upright alone.)</p> <p>ELECTRICAL CABINET A storage cabinet shall be installed on the left front wall behind the rear facing attendant seat. Access shall be gained from behind the attendant seat. This cabinet shall be for storage of the Power Distribution Center and radio equipment.</p> <p>UPPER RIGHT (curbside) FRONT CABINET Minimum Interior dimensions of 25" wide by 25" tall by 17" deep. A storage cabinet shall be installed on the passenger side right front wall. The upper section shall permit equipment to be accessed from the patient compartment through heavy</p>		

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<p>polycarbonate doors. The polycarbonate doors shall be a minimum of 3/8" thick and without metal framing. It shall have one (1) adjustable shelf.</p> <p>LOWER RIGHT FRONT CABINET Minimum Interior dimensions of 30" wide by 39" tall by 17" deep. A storage cabinet shall be installed on the right front wall, lower section that permits equipment to be accessed from either the patient compartment through heavy polycarbonate doors or through an exterior compartment door. The polycarbonate doors shall be a minimum of 3/8" thick without metal frames. It shall have two (2) adjustable shelves.</p> <p>GLOVE STORAGE The side door head pad shall include a recessed area for a three glove box holder. The glove box holder shall be made from ABS plastic and include a clear top hinge polycarbonate door.</p> <p>SQUAD BENCH The ambulance shall be equipped with a squad bench approximately 78" long by 22" wide. The squad bench lid shall have a 2" foam pad covered with color coordinated heavy-duty vinyl. The squad bench lid shall be one-piece and have two heavy-duty, bi-directional gas piston hold-open devices. The force value selected and ball stud locations shall provide lift assistance after twenty degrees of bench lid lift angle. The ball stud mounts shall be at least ten millimeters. The lid shall be attached to the bench with a continuous hinge. Each lid shall have a self-latching, stainless steel, paddle style-latching device.</p> <p>The lid shall be finished with minimum 2" thick cushions. There shall be no piping and all seams shall be sealed to preclude absorption of contaminants. These cushions shall be installed with industrial grade, plastic hook and loop Velcro for easy removal and cleaning.</p> <p>Three (3) sets of encased restraints and seat belts shall be installed on the squad bench. Retractors shall be installed against the outer wall. The shall be a detachable net style restraint device that the head of the bench between the ceiling and the squad bench.</p> <p>SQUAD BENCH CUSHION There shall be a backrest covering the wall directly behind the squad bench. This backrest shall be a minimum of 2" thick and shall be constructed of high-density foam and heavy-duty automotive grade vinyl. There shall be no piping and all seams shall be sealed to repel contaminated material.</p> <p>Leave space between side entry door and backrest cushion for radio handset under second switch panel.</p> <p>RIGHT CENTER UPPER Minimum Interior dimensions of 54" wide by 7" tall by 7" deep each. There shall be a two-section bandage cabinet with sliding polycarbonate doors mounted above the squad bench. The sliding door handle shall be made from an aluminum extrusion and shall</p>		

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<p>run the full length of the polycarbonate door. The full-length door handle corners shall be cut at forty-five degrees. The vertical ends of the framed cabinet will have EPDM rubber foam to protect the handles from damage. Cabinet will have six (6) fully adjustable vertical dividers.</p> <p>GRAB RAILS</p> <p>There shall be a minimum 96" long formed 2" diameter brushed aluminum overhead assist rail. It shall be located over the patient area on the main cabinet wall.</p> <p>There shall be a minimum 72" long formed 2" diameter brushed aluminum overhead assist rail. It shall be located over the squad bench.</p> <p>There shall be "L" shaped formed 2" diameter brushed aluminum entrance door grab handles installed on the curbside and both rear entry doors. The "L" shall start horizontally under the door window and turn at a 90-degree angle up alongside the hinge side of the window to provide safe entry from the street level and safe exit from the patient floor.</p> <p>There shall be a formed 2" diameter brushed aluminum grab assist handrail mounted at the head end of the squad bench.</p> <p>IV HANGERS</p> <p>There shall be two (2) CPI Model IV 2008 recessed rubber, non-swinging type IV hangers that fold flat when not in use mounted in the ceiling over the lower portion of the patient area. They shall be bolted to the roof framing structure.</p> <p>(1) Curbside Mounted In The Forward Cot Position.</p> <p>(1) Streetside Mounted In The Mid/Rear Cot Position.</p> <p>There shall be two (2) button style non-swinging type IV bracket(s) mounted in the ceiling over the lower portion of the patient area.</p> <p>(1) Curbside Mounted In The Mid/Rear Cot Position.</p> <p>(1) Streetside Mounted In The Forward Cot Position.</p> <p>CABINET LATCHES</p> <p>There shall be stainless Southco M1 cabinet latches installed on all interior door style cabinets.</p> <p>CLOCK</p> <p>There shall be a 12-volt hard-wired analog clock with sweep second hand recessed into the rear head pad.</p> <p>SHARPS CONTAINER</p> <p>There shall be a #85031 sharps container mounted at the foot of the squad bench approximately half way up the wall between the ceiling and top of the bench.</p>		

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<p>TRASH CANS There shall be a slide-out trash drawer cabinet installed with a fabricated bin insert made out of aluminum, at the head of, and below the squad bench facing the aisle.</p> <p>There shall be a tip-out trash cabinet installed with a fabricated bin insert made out of aluminum, at the head of the stretcher, and below the action area facing the aisle.</p> <p>INTERIOR WALLS High Pressure Laminate to be supplied and installed. The laminate finish selected shall be Blue.</p> <p>INTERIOR CUSHIONS To be seam sealed cushions with high density foam with PVC base. Installed with heavy-duty hook & loom for easy removal for cleaning. The color of cushions are to be Blue.</p> <p>INTERIOR FLOOR The flooring is to be Lonseal or equal. The style and color of the flooring shall be Lonplate I #165 Sapphire. Flooring to be rolled up 4" on the left wall and full-height to the bench cushion on the squad bench riser.</p> <p>REAR SWITCH PANEL CABINET A cabinet for the second rear control panel shall be installed at the head end of the squad bench below the cabinet.</p> <p>CORIAN COUNTERTOP Add a Corian® or equal countertop over the head of bench work cabinet to match the other countertops.</p> <p>HVAC SYSTEM Heavy duty radiator and cooling system equipped for a dual heat and air conditioning systems.</p> <p>FRESH AIR INTAKE A filtered fresh air intake shall be mounted on the modular body. The heater / air conditioner fans shall control the intake of fresh air. The system shall be a constant flow style with a thermostat to control heating and cooling, therefore providing a fresh environment throughout the patient compartment.</p> <p>EXHAUST FAN A power exhaust vent fan shall be installed in the rear upper wall below the roof line. The fan shall be controlled from the rear control switch panel. The vent shall be filtered and located on the rear outside body sidewall.</p>		

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<p>The front fresh air intake vent and the rear (power) exhaust vent shall provide efficient cross through patient compartment ventilation. The exhaust fan shall have a minimum of 200 CFM.</p> <p>DUCTED HVAC The HVAC shall be ducted down the center ceiling strip. There shall be a minimum of six round adjustable ducts. The ducting shall be tapered to allow full flow of air to the further most vents.</p> <p>IN-LINE BOOSTER PUMP A 12-volt centrifugal liquid pump shall be installed. The pump shall boost the flow capacity of the engine coolant.</p> <p>AC CONDENSER The vehicle shall have an auxiliary AC condenser installed under the module body. Install rubber debris flaps on the forward and rear edges.</p> <p>MAXIMUM INSULATION PACKAGE There shall be two inch thick plank non-deteriorating high density "Yellow CertiFoam" insulation or Thinsulate. The thermal resistance of the insulation shall hold a five year aged value of 11.2 @25 degree F mean temperature. The importance of aged value relates to initial "R" values that over a five year period deteriorate and allow for a false "R" value.</p> <p>This Insulation shall be placed between all framing to include the module body walls, floor, ceiling and patient doors. There shall also be a four MIL vapor barrier placed in the module walls, ceiling and patient doors. This vapor barrier shall serve a moisture barrier for the changing outside environment.</p> <p>An acoustic dampening material shall be installed on all (4) sides of the side entry <u>stepwell</u> and the wheel wells.</p> <p>A thermal heat & sound insulation product featuring 100% synthetic fiber felt that provides sound and comfort control as well as a high-tech foil heat barrier that blocks 70% of radiant heat up to 1500° F. shall be installed on the underside of the aluminum .050 flooring.</p> <p>A non-permeable sound dampening material that is moisture resistant for additional insulation shall be installed in addition to the four mil. vapor barrier. This insulating material shall be installed in all walls.</p> <p>OXYGEN SYSTEM The oxygen system shall be capable of storing and supplying a minimum of 3,000 liters of oxygen. A suitable high-pressure hose shall be provided. The hose shall be certified to meet 250 psi and have a 1,000 pound burst rating.</p>		

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<p>The entire oxygen system shall be subjected to a 200-psi leak test for a minimum two hours. A certification label shall be located in the oxygen compartment.</p> <p>OXYGEN OUTLETS</p> <p>There shall be two Ohio style oxygen outlets located on the back wall of the front action area.</p> <p>There shall be one Ohio style oxygen outlet located on the right interior wall at head of squad bench midway between the squad bench and the ceiling.</p> <p>OXYGEN DOOR</p> <p>Access to the oxygen cylinder gauge shall be provided through a hinged 7" x 16" Lexan Glass door with a passive latch mechanism. The door shall be located on the inside of the patient compartment opposite the exterior oxygen compartment.</p> <p>OXYGEN FLOWMETER</p> <p>One (1) wall mounted oxygen flow meter(s) designed to provide metered oxygen from any 50psi source with a flow rate from 0 to 15-lpm shall be included.</p> <p>PORTABLE OXYGEN MOUNT</p> <p>Two (2) ZICO Model QR-D-2 Quick Release Strapless Portable Oxygen Tank Brackets shall be included in the Step Well.</p> <p>SUCTION SYSTEM</p> <p>A permanent on-board suction system shall be installed. The system shall be located below the action area at the head of the stretcher and a 12 volt GAST suction pump to be mounted in the power distribution cabinet. The system shall be controlled from the action area switch panel. The suction regulator and adjustment valve shall be a wall mounted SSCOR 22000 brand. The collection bottle shall be mounted in a cabinet with a 3/8" polycarbonate door, with a disposable Bemis (or equivalent) collection bottle.</p> <p>PAINT SCHEMATIC</p> <p>White cab and rear ambulance box with a reflective 6 inch white strip at the belt line. Painted 18 inch stripe Blue #K9740 above the reflective to carry over the hood and angle up at rear of box. Lower area below stripe painted Polar Gray #71537. All reflective surfaces must comply with current standards for brightness and for total square inches of surface coverage. Rear of the box to be covered in Blue and White 3M Diamond Grade Reflective 9 inch diagonal striping. Example photos of the paint scheme will be provided for reference.</p> <p>LETTERING</p> <p>The front of the box underneath the warning lights shall have "LEDYARD" in blue reflective lettering. "R-101" shall be placed in white reflective lettering on the front driver's and passenger's side quarter panels. The side and rear letterings shall follow the current graphic schemes on the newest Ledyard Ambulance (R-100).</p>		

Specifications for Town of Ledyard New Ambulance	Bidder Complies	
	Yes	No
<p>PINSTRIPE A quarter inch black reflective pinstripe shall be applied to outline the paint stripe.</p> <p>REFLECTIVE STRIPING There shall be 6" white Scotchlite Reflective, adhesive backed striping tape applied to the vehicle between the blue and gray paint line only. Bottom of the tape to be 20 1/2" above the lower rub rail.</p> <p>There shall be 1" white reflective tape applied around the edge of the entry and compartment doors.</p> <p>REQUIRED ITEMS IN THE CAB OR AMBULANCE BOX: CAB - vinyl floor covering with Black rubber floor mats CAB - Emergency push button to unlock drivers cab door behind the grill on the passenger side CAB - Center console to match photo description and should contain all switches, flush mounted radios, cup holders and document space / Photo will be provided in bid package.</p> <p>FACTORY INSPECTION TRIP Accompanied by a Dealer Representative, the Administrator of Emergency Services and (2) members of the Ledyard Volunteer Emergency Squad will travel to the successful bidder's facility for the purpose of inspecting the vehicle for compliance to the specifications and for the overall quality of the vehicle at completion.</p> <p>Bidder shall be responsible for all costs associated with the trip to include air transportation on a major commercial carrier to the nearest airport, ground transportation (ground transportation shall not exceed two hours to or from the airport), individual rooms, and meals.</p>		
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Specifications for Town of Ledyard **New Ambulance**

**Bidder
Complies**

Yes No

Bid options

Option "A" For proposed Ambulance with trade in of existing 2009 Life line Ambulance with customer's present Stryker PowerLoad System & Stretcher. And installation of a new Stryker PowerLoad System Model 6390 & Stryker Power-Pro XT Stretcher Model 6506 into the proposed unit.

Option "B" For proposed Ambulance with trade in of existing 2009 Life line Ambulance and transfer of customer's present Stryker PowerLoad System into the proposed unit.

Option "C" For proposed Ambulance without trade in and installation of a new Stryker PowerLoad System Model 6390 & Stryker Power-Pro XT Stretcher Model 6506 into the proposed unit.

Option "D" For proposed Ambulance without trade in and transfer of customer's present Stryker PowerLoad System into the proposed unit.