



Litchfield Fire Department

Rescue 5 Replacement

Request for Proposal

August 4, 2025



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1 Instructions to Bidders

1.1 Introduction

The Litchfield Fire Company, Inc (also known as Litchfield Fire Department or LFD) is a not-for-profit volunteer fire department located in the Town of Litchfield, CT. We are seeking proposals for a new Light Rescue style apparatus to replace our 1993 Medium Rescue on a Freightliner FL70 commercial cab with an 18.5ft walk in body.

With the shift and decline in volunteerism across the industry, LFD is seeking a non-commercial vehicle that does not require a CDL to operate ($\leq 26,000$ lb GVWR). This vehicle will be a “second-due” apparatus that will carry personnel and equipment to the scene of motor vehicle accidents, technical rescues, HazMat, and other emergencies.

LFD is seeking a contractor to design, build, and deliver a complete vehicle (to include cab/chassis and body) Light Rescue that will be fully compliant to NFPA 1900. The apparatus will be paid for fully by company funds through taxpayer donations, with no offset from Town funds. Bids are due September 2, 2025.

1.2 Intent

The intent of these specifications is to obtain a Vendor to design, build, and deliver a complete vehicle (to include cab/chassis and body) Light Rescue that will be fully compliant to NFPA 1900 for the Litchfield Fire Department per bid specifications attached. Vendor shall have adequate licenses, equipment, and materials for this project to ensure completion from the agreed upon starting date.

1.3 Proposal Information and General Requirements

1.3.1 Key Action Dates

RFP available to prospective vendors	August 4, 2025
Final Date for RFP Submission	September 2, 2025
Bid Opening	September 2, 2025
Review Period	September 3, 2025 – October 6, 2025
Successful Bidder notified via email	October 7, 2025



1.3.2 Submission of Proposal

1. Two (2) paper copies shall be delivered to the Litchfield Fire Company in a clearly marked envelope at the following address:

Litchfield Fire Company, Inc
P.O. Box 786
Litchfield, CT 06759

2. At least one (1) electronic copy shall be emailed to the Litchfield Fire Company at the following email addresses:

lfadmofficer@gmail.com
n.schulde@yahoo.com

3. Any questions pertaining to the scope of the work or content or procedure for submitting proposals should be directed to Nate Schulde by phone or email prior to bid opening date. Contact information is as follows:

Lieutenant Nate Schulde
Rescue 5 Committee Chairman
(203) 592-2693
n.schulde@yahoo.com

4. It is intended that this Contract shall be awarded to the Bidder that best meets the needs of the Litchfield Fire Department with respect to qualifications, contractor's submitted start date and cost. Qualifications shall include the ability of the Contractor to complete all work within the stated time frame.
5. The Litchfield Fire Department shall give notice of Acceptance of a bid to the successful bidder by Email to the Bidder's Email address stated in the bid.
6. The Litchfield Fire Department reserves the right to reject any and all bids for any reason they deem advisable, and to award contract or contracts to any Contractors bidding on the work, regardless of the amount of bid.
7. The Litchfield Fire Department reserves the right to change the scope of the project after the bid is awarded, without penalty to the LFD. All changes in scope will be issued in writing by the Litchfield Fire Department.



8. Should brand names appear in this bid, before bidding on any item considered equal to or better than a named item, the Bidder must get written approval from the Litchfield Fire Department.
9. Prices bid shall not include any taxes, Local, State, or Federal, as the Litchfield Fire Department is not liable. In addition to the price bid, each Bidder may quote binding discounts, which will be considered when making the award.
10. Contract time delays for completion of work shall be authorized in writing by the Litchfield Fire Department.
11. Contractor shall not sublet, sell, transfer, assign, or dispose of contract or any portion thereon or of right, title, or interest therein of obligations thereunder, without written consent of the Litchfield Fire Department.
12. Submission of name of Subcontractor in proposal shall be deemed to constitute an acceptance by Contractor, if awarded contract of bid, of such Subcontractor. Any alteration therein, after award of contract, shall be subject to the approval of the Litchfield Fire Department.
13. Payment for this work shall be at the lump sum bid for work completed and accepted, except as noted herein and shall include all equipment, materials, labor, and tools incidental to the completion of this work.
14. All RFP prices must remain firm for sixty (60) days following the RFP opening. No Bidder may withdraw a bid within sixty (60) days of bid opening.
15. Costs incurred for developing proposals and in anticipation of award of the Vendor Agreement are entirely the responsibility and risk of the Vendor and shall not be charged to the Litchfield Fire Department.
16. LFD does reserve the right to negotiate the submitted prices with the submitting Vendors or to request clarifications and subsequent price alterations after the submission deadline, at the sole discretion of LFD.

1.3.3 Hold Harmless Agreement

The Contractor agrees to hold harmless the Litchfield Volunteer Fire Company and its respective officers, agents, and members from any loss, costs, damages, expenses, judgements, and liability whatsoever kind or nature howsoever the same may be caused resulting directly or indirectly by any act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable resulting in bodily injury including sickness and death, personal injury, or damage to property directly or indirectly,



including the loss of use resulting therefrom as permitted by law. The Contractor will be required to sign the enclosed Hold Harmless Agreement prepared by Litchfield Fire Company.

1.3.4 Bid Security

A bid bond or certified check of 10% required for this bid.

1.3.5 Performance, Labor, and Material Bond

A Performance Bond or Certified Check is required for this bid

1.4 Deviations and Exceptions

The bidder shall provide a specific document identifying all paragraphs where noncompliance is intended. Any exception shall be clearly identified by paragraph number and defined with details as to the proposed alternative, referencing manufacturer and model where appropriate.

Descriptive literature shall be provided to help evaluate the exception. The purchaser shall determine which (if any) exceptions are acceptable and this determination shall be final.

The purchaser shall assume that failure to cite an exception indicates full compliance with the specifications. Should the equipment not comply with all requirements of this document, the equipment shall be rejected at final inspection.

1.5 Warranty

The proposal shall specify the location(s) of warranty work. If the warranty work is to be performed at a location other than the manufacturer, a statement must be made naming the party or parties responsible for delivery and pick-up of the apparatus to the location. An approved maintenance shop shall be located within 60 miles of Litchfield, CT. Expenses that are covered by the manufacturer should be included along with a listing of acceptable firms for performing warranty work. A statement indicating whether warranty work performed by a vehicle maintenance shop would be compensated by the manufacturer shall also be included.

The following warranty information shall be provided:

- Basic Chassis Warranty (minimum 2 years per state of CT)
- Chassis Powertrain Warranty
- Corrosion Perforation Warranty
- Roadside Assistance
- Diesel Engine Warranty
- Body Warranty
- Warranties for additionally installed components
 - Paint & Graphics (minimum 10 years)
 - Wiring (minimum 5 years)



1.5.1 Single Source Warranty Coordinator

In order to protect the purchaser from divided warranty responsibility between chassis and body manufacturers, the winning bidder will coordinate the warranty for the specified vehicle from bumper to bumper. While all fire apparatus have individual component warranties, the builder must act as the sole source warranty coordinator on the entire vehicle. This shall include the cab shell, chassis assembly, and complete body structure.

1.6 Pre-Construction Conference

A drawing of the proposed apparatus shall be provided for approval before construction begins. The finalized and approved drawing shall become part of the contract documents. The drawing shall indicate the chassis make and model, location of compartments, and major components.

A pre-construction conference utilizing Microsoft Teams or other equivalent virtual platform or at an agreed upon location shall be held with the manufacturer's engineers before the final approval of the plans. All the details of the construction including the placement of equipment, controls, lighting, power devices, compartment shelving, and graphics shall be discussed and decided during this meeting.

1.7 Inspection Trip

The proposer shall provide for two (2) Litchfield Fire Department personnel to attend a final inspection of the completed apparatus at the proposer's manufacturing facility to verify the vehicle is built in compliance with the final agreed upon specifications. The cost of transportation (airline and car rental), food, and lodging shall be borne by the proposer.

All equipment shall be inspected for material, workmanship, and compliance with the specifications prior to acceptance. All equipment found to be in noncompliance shall be identified and the purchaser reserves the right to accept or reject specific items. The noncompliant rejected equipment shall be replaced or reworked to meet the requirements of this document at no additional cost to the purchaser.

The bidder shall have thirty (30) days after delivery to fulfill that part(s) of the specifications which does not comply to the original outlined specifications. Bidder shall incur all expenses of pickup and re-delivery of the apparatus.

1.8 Delivery

A qualified and responsible manufacturer's representative shall deliver the apparatus and equipment, remaining at Litchfield Fire Department for a sufficient period of time to instruct personnel in the operation, care, and maintenance of the apparatus and equipment.



Responsibility for the fire apparatus and equipment shall remain with the manufacturer until satisfactory completion of the acceptance tests and formal acceptance by the Department occurs. The apparatus shall be covered by comprehensive and liability insurance for full replacement cost during the delivery period.

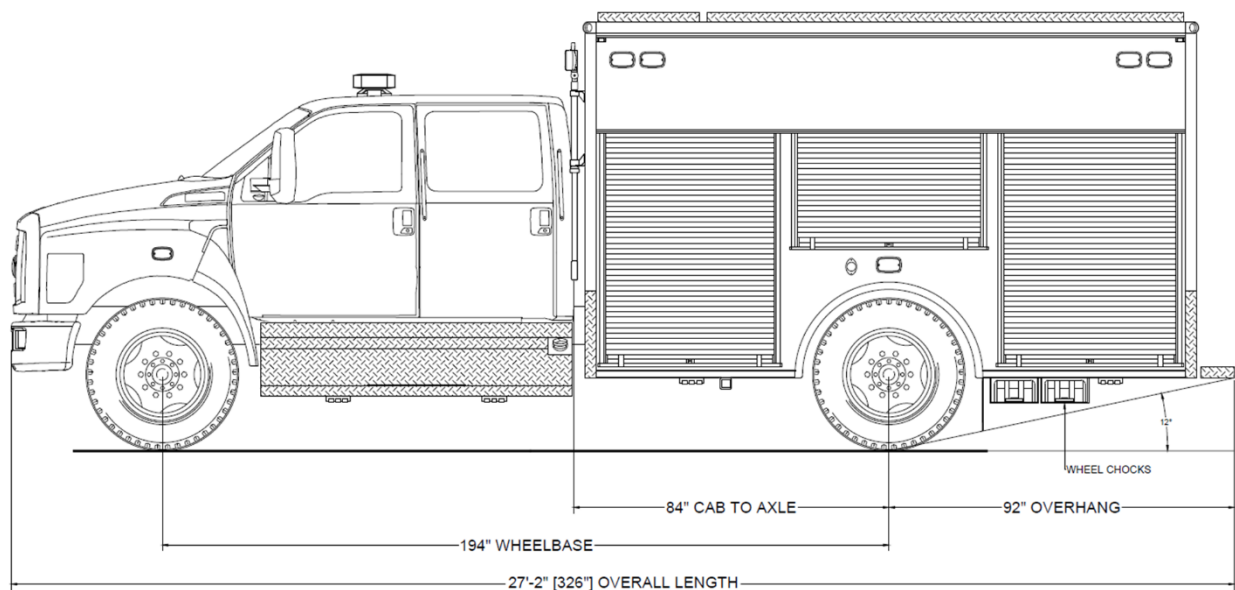
To ensure proper break-in of all apparatus components while still under warranty, the apparatus shall be delivered under its own power by the manufacturer.

2 Vehicle Specifications

This section describes general guidelines for design and selection of the cab and body of the Light Rescue. All options shall be fully compliant to NFPA 1900 as well as DOT and OSHA standards relative to this classification of rescue vehicle. The Bidder shall bid as necessary to meet these guidelines, and describe any discrepancies as appropriate.

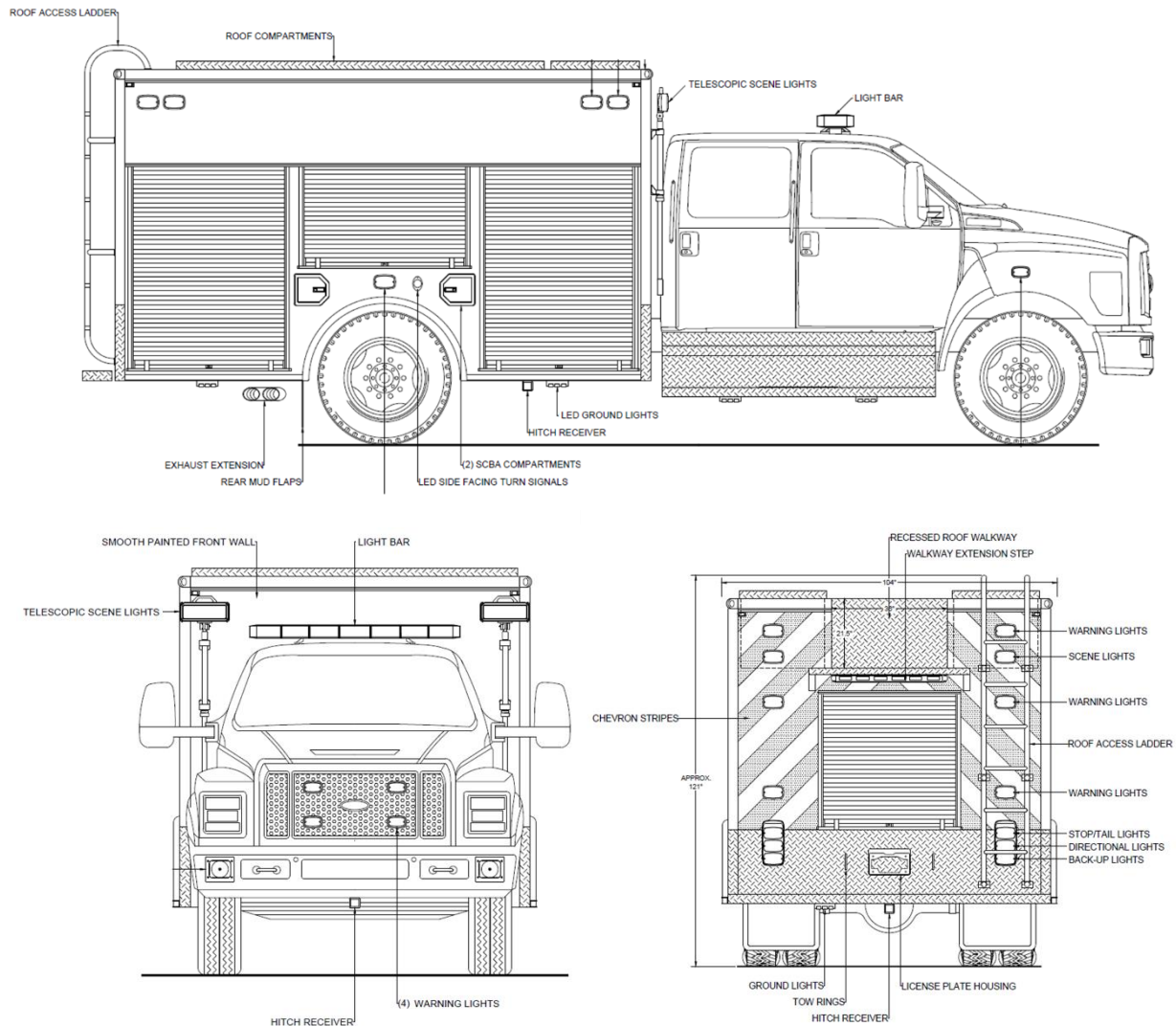
2.1 Conceptual Drawings

The following are conceptual drawings for communication purposes only. If drawings are different from the text of this RFP, the text shall take precedence.





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2.2 Basic Cab

The Bidder shall propose the following two new, unused cab options, which shall be agnostic of body selection and design:

- Ford F-650
- International CV

2.2.1 Basic Cab Options

All cabs shall have the following options at minimum:

- Four (4) Door Crew Cab



- Four (4) High Back Passenger Seats with shoulder harness restraints
 - Preferred brand H.O. Bostrom Fire and Rescue Non-SCBA seats
 - Driver seat shall be adjustable
 - Other 3 seats shall be fixed with a non-folding seat pan
- Four (4) under-seat storage compartment with access door
- Diesel Engine
- GVWR \leq 25,999 lbs
- 4-wheel drive if available
- Air Conditioning / Heating System
- Occupant Seat Belt Warning
- Operator Commanded Regeneration Capability
- All Aluminum Rims

The Bidder shall include the following information about each of the two options in the bid package at minimum:

- Unit Cost
- GVWR
- Front & Rear Axle Ratings
- Wheel Base
- Brakes
- Engine Specifications
- Fuel Capacity
- Wheel Size

2.2.2 Electrical System (Chassis OEM)

The commercial chassis electrical system shall be furnished and installed by the chassis manufacturer and shall not be altered in any way so as to void or diminish the manufacturer's warranty responsibilities. Body builder wiring interface harnesses shall be specific to the chassis being utilized.

2.2.3 Batteries (OEM)

The OEM batteries shall be disconnected during the apparatus build process to prevent premature failure due to excessive cycling during the manufacturing process. Batteries shall be reconnected at the end of the build process as the unit becomes ready for testing and delivery.

2.3 Cab Customizations

All cabs agnostic of selection shall have the following customizations to the interior. The bidder shall design and bid per their standard procedures.



2.3.1 Chassis Prep

The chassis shall receive adjustments and frame drillings as required to ensure proper fit-up of the added chassis components and mounting of the modular body components. OEM provided chassis frame holes shall be utilized whenever possible to maintain frame integrity as designed by the chassis OEM.

2.3.2 Color

The cab and chassis body shall be painted red to match the body paint. Paint colors shall be approved by the buyer prior to painting. The outer front and rear wheels on the chassis shall be sanded and painted to match the body.

Color Code: TBD be approved by purchaser

2.3.3 Door Reflective Striping

Any door of the apparatus designed to allow persons to enter or exit the apparatus shall have at least 96 in² of retroreflective material affixed to the inside of the door i.a.w. NFPA 1900 § 11.1.5.

2.3.4 Driver's Console

There shall be a custom floor mounted console between the front seats in the passenger area. This console shall house a customer supplied mobile radio, siren head, controls for interior and exterior lighting, compartment open warning lights, cup holders, arm rests, a map storage area, provisions for a Havis iPad mount, and other items. Console shall be designed per bidder's standard procedures. Console drawings shall be supplied to the customer for approval prior to build. Console shall be modular for potential future changes. There shall be two (2) dedicated 20amp leads to this location for mobile radios.

2.3.5 Rear Console

There shall be a custom floor mounted console between the rear seats in the passenger area. This console shall house, flashlights, cup holders, a storage area and power for gas meters, customer supplied portable radios, and other items. Console shall be designed per bidder's standard procedures. Console drawings shall be supplied to the customer for approval prior to build.

2.3.6 Cab Lighting

There shall be a minimum of four (4) red/white dome lights installed in the cab ceiling with a switch, one over each seating area. The lights shall automatically turn on when any of the cab doors are open, and shall be white during daytime hours and red during nighttime hours.

2.3.7 Cab Speakers

There shall be a minimum of two (2) speakers mounted in the cab ceiling. Speakers shall be connected to the mobile radio and shall be controlled via the mobile radio volume control knob.

2.3.8 Cab Steps

The left and right-side cab entrance steps shall be completely covered with .125" aluminum diamond plate to ensure good footing as well as a durable long-lasting finish. The steps shall be



properly supported with steel bracing off the chassis frame rail. The diamond plate utilized shall be "slip resistant", meeting NFPA requirements.

2.3.9 Federal DOT Roadside Emergency Kit

The apparatus shall be provided with a fleet safety kit that is fully compliant with 49 CFR 393.95. The kit shall contain at minimum:

- A fire extinguisher having an Underwriter's Laboratories rating of 5 B:C or more
- Three (3) bidirectional emergency reflective triangles that conform to the requirements of Federal Motor Vehicle Safety Standard No. 125, § 571.125

2.3.10 Tire Pressure Indicator

Each tire shall be equipped with a visual indicator or monitoring system that indicates tire pressure i.a.w. NFPA 1900 § 7.14.6.

2.3.11 NFPA 1900 Safety Signs

The cab shall have all safety signs posted conspicuously in the cab in plain view of all occupants i.a.w. NFPA 1900 § 11.1, to include at minimum:

- *FAMA07, which warns of the importance of seat belt use*
- *FAMA10, which warns of the need to secure items in the cab*
- *FAMA14, which states the number of personnel the vehicle is designed to carry*
- *FAMA15, which warns not to wear helmets while vehicle is in motion*
- *FAMA42, which warns of loud sounds*

The cab shall have all safety signs posted conspicuously in the cab in plain view of the driver i.a.w. NFPA 1900 § 11.1, to include at minimum:

- *FAMA17, which warns of vehicle backing hazards*

The cab shall have all safety signs posted conspicuously in plain view of personnel entering the cab i.a.w. NFPA 1900 § 12.6, to include at minimum:

- *FAMA23, which warns of proper climbing method*

2.3.12 Hazard Light

A red flashing or rotating light, located in the driving compartment, shall be illuminated automatically whenever the following conditions exists i.a.w. NFPA 1900 § 9.1.5:

- Any driver, passenger, or equipment compartment door is not closed.
- Scene light poles are extended



- Any device permanently attached to the apparatus is open, extended, or deployed in a manner that is likely to cause damage to the apparatus if the apparatus is moved.

The hazard light shall be marked with a sign that reads “*Do Not Move Apparatus When Light Is On*”.

2.3.13 Overall Height / Length / GVWR Placard

A permanent plate specifying the overall height, length and GVWR of the vehicle shall be affixed in the cab and shall be located to be clearly visible to the driver when seated i.a.w. NFPA 1900 § 9.1.5. The plate shall read:

When manufactured, this vehicle was:

XX FT XX IN HIGH

XX FT XX IN LONG

XXXX TONS GVWR

Changes in height since the apparatus was manufactured shall be noted on this plate by the department.

2.3.14 Antenna Mounts

Two (2) antenna mounts shall be provided and installed on the roof of the cab, behind the light bar. Antenna mount cabling shall be routed to the center console using mini-UHF connectors. Additionally, 24” of labeled and protected cabling shall be provided at the console for each antenna. Rain caps shall be placed over each roof opening connection. Antenna whip(s) shall be provided and installed by the purchaser after delivery of the vehicle.

2.3.15 Fuel Fill / DEF Fill Access

The fuel fill and Diesel Exhaust Fluid (DEF) fill shall be protected by an aluminum access door. The door and the fill sites shall have engraved labels for DIESEL fuel and DEF and shall be easily distinguishable.

2.3.16 Battery Jumper Studs

The starting system shall include battery jumper studs in an easily accessible location. These studs shall allow the vehicle to be jump started or charged in the event of a battery failure.

2.3.17 Knox Box Installation

There shall be one (1) customer supplied radio-controlled release Knox Box installed in the cab. Appropriate wiring and power shall be run to the Knox Box.



2.4 Custom Body

The bidder shall design and build a modular 14-foot walkaround body capable of carrying no less than 120 ft³ and 3000 lbs of equipment allowance per NFPA 1900 § 9.1. Specific design features shall be according to the bidder's standard practices. The body shall have seven (7) compartments at ground level with roll up doors, and three (3) "coffin" compartments on the roof. The body shall be warrantied for 30 years from the date of manufacture as printed on the manufacturer's certification plate which shall be permanently attached to the modular body.

2.4.1 Compartments

The body shall contain custom compartments for storage of customer supplied equipment. Compartments shall have approximate dimensions as stated below. Specific cabinet dimensions shall be determined by the bidder's standard procedures and shall be approved by the buyer. Compartments shall be weather resistant and ventilated and have provisions for drainage of moisture. Venting shall be to the atmosphere rather than to another compartment. The interior of the compartments shall be unpainted brushed aluminum. A turtle tile plastic floor covering shall be applied to all shelves and floors as appropriate. The top of the ground access compartments shall not exceed 8 ft when vehicle is parked on level ground.

Compartment Approximate Dimensions:

Forward Compartment – 48"W x 68"H x Full Body Width

Middle Compartment – 52"W x 37"H x Full Body Width

Streetside Rear Compartment – 49"W x 68"H x 25"D

Curbside Rear Compartment – 49"W x 68"H x 25"D

Rear Compartment – 44"W x 48"H x 53"D

Forward Rooftop Coffin Compartment – 92"L x 26"W x 21"D

Streetside Rooftop Coffin Compartment – 126"L x 26"W x 21"D

Curbside Rooftop Coffin Compartment – 111"L x 26"W x 21"D

2.4.2 Compartment Layout

The bidder shall design slide out trays, tool boards, dividers, and shelves per their standard procedures. All customer supplied equipment shall be restrained i.a.w. NFPA 1900 load requirements. The bidder shall design and include appropriate mounting fixtures for all equipment to be approved by the customer. The compartments shall be laid out as follows:

2.4.2.1 Forward Transverse Compartment

The forward compartment shall have a full width dual direction 100% slide out tray. The bidder shall design or subcontract the trays per their standard procedures. Each slide out tray shall be rated to 1000 lbs and marked with NFPA 1900 reflective striping. Each slide out tray shall have an adjustable vertical tool board for holding equipment. Final layout to be approved by the purchaser.



2.4.2.2 Middle Transverse Compartment

The middle compartments shall have split Left Side / Right Side slide out trays. Left side (street side) trays shall be ~72” deep, with one adjustable vertical tool board for holding equipment. The slide out tray shall be rated to 1000 lbs and marked with NFPA 1900 reflective striping.

The two (2) right side (curbside) slide-out trays shall be ~24” deep. The upper slide out trays shall be adjustable height on 4 tracks, 2 on each side. Each slide out tray shall be rated to 600 lbs, and marked with NFPA 1900 reflective striping.

The bidder shall design or subcontract the trays per their standard procedures. Final layout to be approved by the purchaser.

2.4.2.3 Street Side Rear Compartment

The streetside rear compartment shall have provisions for continuously adjustable shelving from floor to ceiling of the compartment with two tracks on each side. The bidder shall design the shelving and brackets per their standard procedures. Three (3) shelves shall be provided. There shall be a cargo net that extends from the top to the bottom of the compartment to prevent cribbing from contacting the door with quick release metal buckles.

2.4.2.4 Curbside Rear Compartment

The curbside rear compartment shall contain four (4) Tilt-N-Deploy or similar mounts for Hurst eDraulic (specific model TBD) battery powered hydraulic tools. The tools consist of:

- S799 E2 Cutter
- SP555 E2 Spreader
- R421 E2 Ram
- Second TBD Ram

The curbside rear compartment shall have one adjustable shelf of the same type as street side rear above the hydraulic tools for other equipment. The bidder shall design the shelving and brackets per their standard procedures.

2.4.2.5 Rear Compartment

The rear compartment shall be separated by a dividing wall. One side will have a 100% slide out tool board for Paratech Struts. The other side will have two 100% slide out tool trays rated for 600 lbs each and an adjustable shelf.

2.4.2.6 Top Coffin Compartments

The top coffin compartments shall have custom mounts to secure at minimum the following equipment:

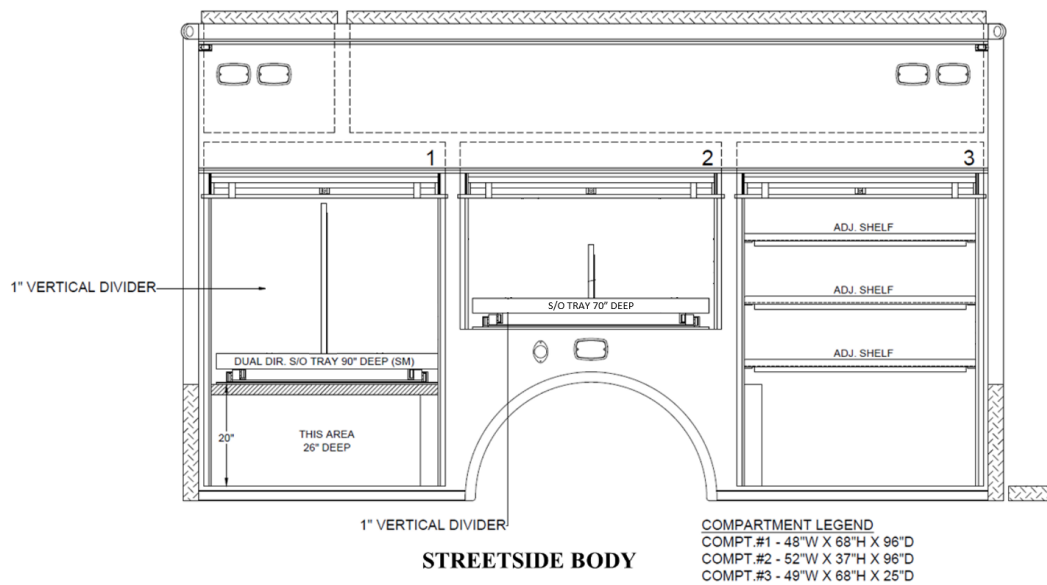
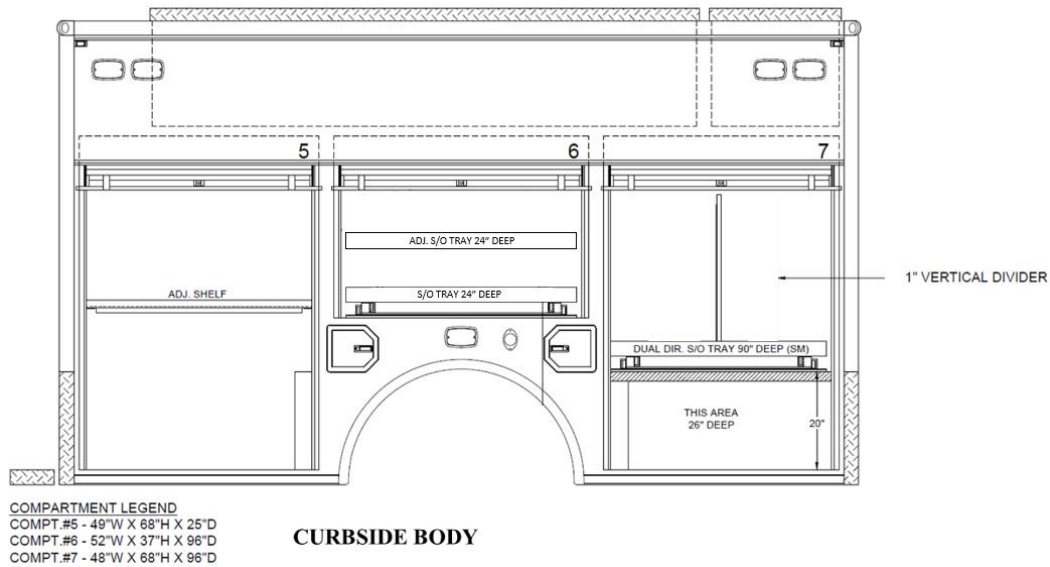
- MARSARS Ice Rescue Sled
- Junkin JSA-200 Plastic Basket Stretcher

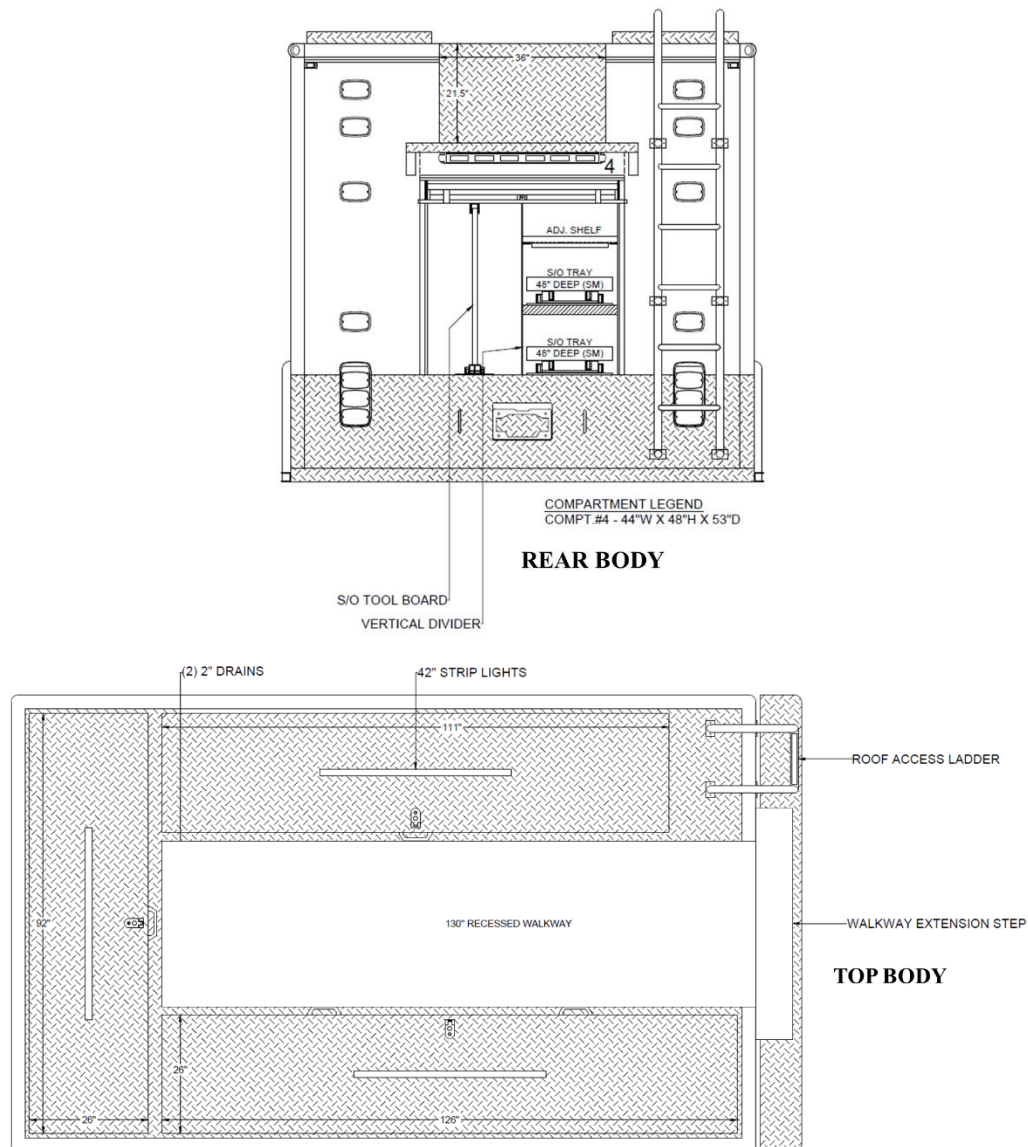


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- Russ Anderson Universal Litter Wheel

The following drawings are conceptual layouts for design and bid purposes:





2.4.3 Compartment Doors

All seven (7) lower body doors shall be aluminum roll-up style. A full width steel lift-bar shall provide one hand operation of the roll-up door. Preferred manufacturer Amdor with corresponding Amdor Luma Bar light tracks.

The streetside and curbside roll-up doors shall be painted to match the body color. The rear facing roll-up door shall be unpainted aluminum.

The top “coffin” compartment doors shall be aluminum diamond plate. Doors shall overlap the raised edge on all four sides. Each door shall be latched with two (2) large stainless steel latches,



and are held open by gas filled hold-open shocks. Doors shall be reinforced to withstand the weight of a 250-pound firefighter without damage.

2.4.4 Recessed Roof Walkway

A walkway shall be provided down the center of the modular body with access from the rear of the body. The rear edge shall be a lip-free design to provide a way to wash out the entire area. A 2" drain shall be provided and piped to the underside of the vehicle. The bumper assembly shall be covered with aluminum diamond plate and be slip resistant i.a.w. NFPA 1900 § 12.6.

2.4.5 Access Ladder

There shall be a swing-out access ladder installed on the left hand side of the rear of the apparatus body designed i.a.w. NFPA 1900 § 12.6. Access ladder steps shall not exceed 18" high, with the first step not to exceed 24". Preferred manufacturer is Ziamatic Quic-Ladder Swing Out & Down Vehicle Ladder.

Safety sign FAMA 23, which warns of proper climbing method, and FAMA 24, which warns personnel not to ride on the vehicle, shall be located near the rear step and ladder area.

2.4.6 Rear Step and Bumper

The rear bumper and step assembly shall extend the full width of the apparatus. The bumper structure shall be an extension of the steel chassis frame. The bumper assembly shall be covered with aluminum diamond plate.

2.4.7 Electrical Power

Each compartment shall have a 120V/20A duplex receptacle installed for charging equipment. All receptacles shall be shoreline powered with the ability to be powered by an external generator via twist lock connection.

2.4.8 Electrical System

All electrical connections shall be such that they prevent disconnect and water impingement. Wire access covers shall be placed around the apparatus as necessary to facilitate easy access to wiring connections. Wire access covers shall be fastened and weather sealed to prevent road grime ingress into compartments. All fuses shall be clearly labeled.

All added electrical equipment shall be served by circuits separate and distinct from the chassis circuits. The wiring shall be color-coded, numbered, or function imprinted for permanent identification and correspondence with the vehicle schematics. All wiring devices, switches, outlets, etc. except circuit breakers shall be rated to carry 125% of the maximum ampere load for which the circuit is protected.

The apparatus manufacturer shall supply two (2) complete sets of electrical drawings / schematics at the time of completion for all added electrical equipment that is not provided by



the chassis OEM, one (1) printed and one (1) PDF. Drawings shall detail any connections or taps to OEM wiring harness and note their locations. Drawings shall detail fuse locations and functions for all added equipment.

2.4.9 Rear Wheel Fenderettes

There shall be a fender extension provided at the edge of the rear wheel well opening. A bright finish, polished stainless steel fenderette shall be installed providing a finished appearance to the wheel well opening. The fenderette shall provide additional protection to the modular body by reducing wheel wash. Fenderettes shall be bolted and removable for easy replacement, if necessary.

2.4.10 Brake/Turn/Reverse Lights

There shall be two (2) vertical quad chrome flanges for combination Stop/Tail Lights, Directionals, Reverse Lights, and Emergency Lights. The lights shall be ~4" x 6" each and shall be included.

Applicable Systems for Quote:

Whelen Engineering M6

SoundOff mpower® 6x4

2.4.11 Drip Rail

There shall be extruded aluminum diamond plate drip rails installed around the complete roof line of the body. In addition, drip rails shall be installed above all exterior compartment doors. These drip rails shall have a polished finish and shall not be permanently attached for ease of replacement, if damaged.

2.4.12 Lower Body Rub Rails

There shall be removable c-channel rub rails installed on both lower sides of the modular body and extend past the compartment doors to aid in protecting the doors, should the vehicle strike a solid object. Rub Rails shall be designed according to bidder's standard procedures with corners designed to prevent snag and injury to personnel.

2.4.13 SCBA Bottle Compartments

SCBA cylinder storage compartments shall be located in the rear wheel well area of the apparatus body. Closed door dimensions shall allow for a 3M Scott Carbon-Wrapped 45-minute SCBA cylinder with minimum dimensions of 24 in long and 7 in diameter. The quantity of SCBA compartments shall be the maximum that the overall body design allows for.

A stainless-steel piano hinge door with weatherproof latch shall be provided for each cylinder compartment. It shall include a thick rubber gasket for sealing flange to lid. It will also include a nylon safety strap.



2.5 Emergency Warning System

For all emergency warning devices, the bidder shall quote BOTH a Whelen Engineering solution as well as a SoundOff Signal solution. Part numbers identified are examples only and are not necessarily the best possible solution. If another solution exists that meets the intent of the request, please identify and estimate accordingly.

2.5.1 Control System

The vehicle shall be equipped with a control system capable of meeting all current Optical Warning Systems i.a.w. NFPA 1900 § 10.7, including Dynamic Variable Intensity (DVI) flash patterns for daytime and nighttime mode, synchronized lighting capabilities, separate modes for calling for the right-of-way and blocking the right-of-way, etc.

Applicable Systems for Quote:

Whelen CenCom Core®

SoundOff Signal bluePRINT®

2.5.2 Control Head

The vehicle shall be equipped with one (1) all-in-one customizable control head for all visual and audible warning systems. The control head shall contain an electronic siren and Public Address system that meets the requirements of SAE J1849. The control head shall be located in the center console of the cab within reach of both the driver and front passenger. One single master switch shall activate all of the warning lights.

Applicable Systems for Quote:

Whelen Core-S®

SoundOff Signal bluePRINT® 500 Series Control System

2.5.3 Electronic Siren Speakers

The vehicle shall be equipped two (2) 100W electronic siren speakers. The speakers shall be mounted in the grill of the cab as low and as far forward as practical.

Applicable Systems for Quote:

Whelen SA315 Series Speaker

SoundOff 100J Series Speaker

2.5.4 Federal Signal Q-Siren®

The vehicle shall be equipped with a Federal Signal 2QB electro-mechanical siren. The chrome siren shall be mounted to the front bumper of the cab. Two (2) foot switches shall be included in the cab, one for the driver and one for the front passenger. There shall be a siren brake switch in the driver's center console, accessible by both the driver and officer. There shall be a shutoff switch for the siren accessible by both driver and officer in the case of the siren getting stuck on.



Applicable Systems for Quote:

Federal Signal Q2B-012PSD

(2x) Federal Signal Q2B-SWKIT

2.5.5 Air Horn

The vehicle shall be equipped with an air horn package. Two (2) air horns shall be mounted through the front bumper. The compressor kit shall be mounted as is practical to be determined by the bidder. Pull chain shall be included in the cab, easily reachable by both the driver and front passenger.

2.5.6 Light Bar

The vehicle shall be equipped with a 60" dual level light bar mounted on top of the cab. All light heads in the light bar shall be dual color red/white. The light bar shall have clear lenses on all sides. The light bar shall have a built-in ambient light sensor to enable variable light intensity for day/night operations. Rear light heads in the light bar are unnecessary. The light bar shall be permanently mounted to the roof using an approved permanent mounting kit.

Applicable Systems for Quote:

Whelen Freedom® IV

SoundOff nFUSE® XL

2.5.7 Forward Warning Lights

There shall be two (2) dual color red/white warning lights and two (2) dual color blue/white warning lights installed in the grille (~4" x 1"). Each light shall have a clear lens and chrome flange.

Applicable Systems for Quote:

Whelen ION® Series

SoundOff mpower® Fascia 4"

2.5.8 Side Warning Lights

There shall be two (2) dual color red/white intersection warning lights installed over the wheel wells (~4" x 2"), one on each side. Each light shall have a clear lens and chrome flange.

There shall be two (2) dual color red/white running board warning lights installed in the undercarriage (~72") one on each side. Each light shall have a clear lens.

There shall be four (4) dual color red/white warning lights installed on the upper body forward and back corners (~9"x7"), two on each side. Each light shall have a clear lens and chrome flange.



There shall be two (2) dual color red/white warning lights installed over the wheel wells (~6" x 4"), one on each side. Each light shall have a clear lens and chrome flange.

There shall be two (2) dual color red/white intersection warning lights installed on the outside of the bumper (~4" x 1"), one on each side. Each light shall have a clear lens and chrome flange.

Applicable Systems for Quote:

(2x) Whelen M4

(2x) SoundOff mpower® Fascia 4x2

(2x) Whelen Tracer™ WeCanX®

(2x) SoundOff SL Running Light

(4x) Whelen M9

(4x) SoundOff mpower® 9x7

(2x) Whelen M6

(2x) SoundOff mpower® 6x4

(2x) Whelen ION® Series

(2x) SoundOff mpower® Fascia 4"

2.5.9 Rear Warning Lights

There shall be four (4) dual color red/amber warning lights installed on the body (~9"x7"), two on each side. Each light shall have a clear lens and chrome flange.

There shall be two (2) dual color blue/amber warning lights installed in the quad chrome flanges for combination Stop/Tail Lights (~6" x 4"), one on each side. Each light shall have a clear lens.

There shall be two (2) single color red beacon lights installed on the top rear corners of the body. Each light shall have a clear lens.

Applicable Systems for Quote:

(4x) Whelen M9

(4x) SoundOff mpower® 9x7

(2x) Whelen M6

(2x) SoundOff mpower® 6x4

(2x) Whelen L31 Beacon

(2x) SoundOff nROADS® LED Beacon



2.6 Rear Traffic Advisor

The apparatus shall be equipped with a rear facing amber traffic advisor system. The unit shall include eight (8) lamps in the housing. The lights shall be controlled from the control head in the cab center console. The traffic advisor shall have the following selectable operating modes:

- Left Arrow
- Right Arrow
- Split Arrow
- Flash

Applicable Systems for Quote:

Whelen Traffic Advisor™ Dominator™ or equivalent
SoundOff mpower® Traffic Controller or equivalent

2.7 Work Lighting

For all lighting devices, the bidder shall quote BOTH a Whelen Engineering solution as well as a SoundOff Signal solution. Part numbers identified are examples only and are not necessarily the best possible solution. If another solution exists that meets the intent of the request, please identify and estimate accordingly. Scene lighting shall meet all requirements in NFPA 1900 § 10.9.

2.7.1 Ground Lighting

The apparatus shall be equipped with sufficient ground lighting to meet the surface area requirements defined in NFPA 1900 § 10.9.1. Ground lighting shall automatically illuminate when the vehicle is placed in park and the ignition is on. In addition, the side running board lights shall automatically illuminate white when the passenger doors are opened and shall remain lit for no less than 30 seconds regardless of emergency flash pattern.

2.7.2 Surface Lighting

The apparatus shall be equipped with sufficient surface lighting for the rear step, rear access ladder, and recessed roof walkway to meet the requirements defined in NFPA 1900 § 10.9.3. Surface lighting shall automatically illuminate when the vehicle is placed in park and the ignition is on.

2.7.3 Compartment Lighting

The apparatus shall be equipped with LED strip lighting in all compartments. The compartment lighting shall provide sufficient lighting to meet the requirements defined in NFPA 1900 § 10.9.5. Compartment lighting shall automatically illuminate when the compartment is opened and shall be white during the day and red at night.



2.7.4 Scene Lighting

The apparatus shall be equipped with 360° white scene lighting. All scene lighting shall be controlled from the center console in the cab, with separate switches for all four directions. When activated, appropriate cab warning lights shall override to solid white mode. All scene lighting shall meet the requirements defined in NFPA 1900 § 10.9.10.

2.7.4.1 Fixed Scene Lighting

There shall be six (6) scene lights located on the upper portion of the body (~9"x7"), two on each side and two on the rear. Each light shall have a clear lens and chrome flange.

When the vehicle is put in reverse gear, the two rear facing and two rear most side facing scene lights shall automatically illuminate.

Applicable Systems for Quote:

(6x) Whelen M9 EZ Scene Light™

(6x) SoundOff mpower® 9x7 Scene Light

2.7.4.2 Pole Mounted Scene Lighting

There shall be two (2) side mounted telescopic pole mounted combination spot/flood lights mounted to the front of the body, one on each side. The pole mounted scene lights shall extend no less than 4 feet, rotate 360°, and have an adjustable tilt head. The light pole shall have a knurled twist lock to secure the extension pole in position. The light shall have a cool-to-the-touch handle i.a.w. NFPA 1900 § 10.9.10. The pole lights shall have a white housing. The pole lights shall be turned on and off from the cab center console.

Applicable Systems for Quote:

(2x) Whelen Pioneer Plus™ or equivalent

(2x) Fire Research Corporation Spectra or equivalent

2.7.4.3 Rear Mounted Tripod Light

There shall be one (1) tripod mounted combination spot/flood light fixed to the rear of the body with the ability to remove it for independent operation. The tripod mounted scene lights shall extend no less than 4 feet, rotate 360°, and have an adjustable tilt head. The light pole shall have a knurled twist lock to secure the extension pole in position. The light shall have a cool-to-the-touch handle i.a.w. NFPA 1900 § 10.9.10. The tripod light shall have a white housing. The tripod light shall be turned on and off from the cab center console, and have an integrated switch for independent use.

Applicable Systems for Quote:

(1x) Whelen Pioneer Plus™ or equivalent

(1x) Fire Research Corporation Spectra or equivalent



2.7.4.4 Remote Spot Lights

There shall be two (2) remote spotlights located on the cab A-Pillars / Front fenders, one on each side. Each spot light shall be independently controlled from the center console.

Applicable Systems for Quote:

(2x) Whelen Argos® Remote Spotlight

(2x) SoundOff Golight® SL

2.8 Custom Graphics Package

The bidder shall provide a custom graphics package for the entirety of the apparatus to be approved by the purchaser prior to finalization. The graphics package shall match the existing fleet of the Litchfield Fire Company. The graphics package shall comply with requirements defined in NFPA 1900 § 12.8.3.





2.8.1 Paint

The majority of the body and cab shall be painted red (specific color TBD). The rims will be painted to match.

The hood and top part of the cab shall be painted white separated by a body line. The top part of the body above the roll up doors shall be painted white. A ¼" black pin stripe shall separate the white and red colors for the entire length of the vehicle where there are not natural barriers.

Red Color Code: TBD

White Color Code: TBD

Black Color Code: TBD

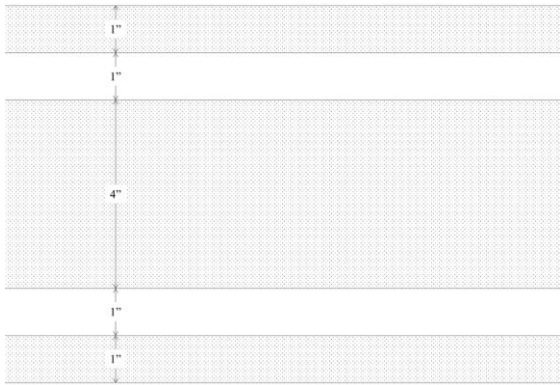
2.8.2 Reflective Striping

A retroreflective stripe shall be affixed to the entire length of the apparatus as appropriate. The stripe shall have a 4" center white strip, with two white strips spaced at 1 inch.

The stripes shall line up with the slats in the roll up doors, and shall have breaks around all installed equipment.



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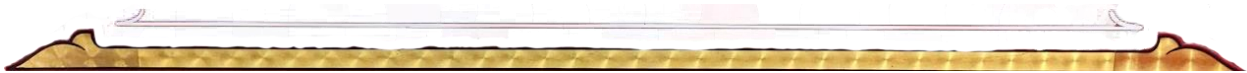
The front bumper shall have a 4” white retroreflective stripe for the entire length that is unobstructed by openings.

Retroreflective material shall be applied to the interior of the cab or crew entry doors. The reflective material shall be applied to a minimum of 96 in² of the cab or crew entry doors.

White Color Code: TBD

2.8.3 Gold Leaf Accent Stripes

All four cab doors shall have a full-length gold-leaf accent stripe with a white pin stripe above it.



Gold Color Code: TBD

White Color Code: TBD

2.8.4 Vehicle Front Graphics

The frontmost part of the hood shall have a goldleaf LITCHFIELD centered in 3” letters with a down and left shadow and an upper white pinstripe.



LITCHFIELD

The front of the cab inside the white paint shall have cursive gold leaf lettering that says
“Proudly Serving Since 1890”

Proudly Serving Since 1890

2.8.5 Vehicle Side Graphics

Both front cab doors shall have a goldleaf LITCHFIELD centered in 3” letters with a down and left shadow and an upper right white pinstripe.

LITCHFIELD

Both rear cab doors shall have a gold leaf RESCUE 5 in two rows centered in centered in 3” letters with a down and left shadow and an upper right white pinstripe. The rows are ~1.5” apart.

RESCUE 5

The top part of the body centered in the white paint shall have a golf leaf FIRE RESCUE in 6” letters with a down and left shadow and an upper right white pinstripe.



FIRE RESCUE

The forward roll up compartment doors shall have the Litchfield Fire Department patch logo, which shall be supplied by Litchfield in the appropriate format.



Gold Color Code: TBD

White Color Code: TBD

Black Color Code: TBD

2.8.6 Vehicle Rear Graphics

The entire rear of the vehicle shall be covered in NFPA compliant 3M diamond grade reflective chevron in 6” stripes of alternating safety red and safety yellow, to exclude the rear roll-up door, in an inverted “V” pattern.



Red Color Code: TBD

Yellow Color Code: TBD



The rear roll up door shall have a red LITCHFIELD R5 centered with a down and left shadow to match the fleet. The LITCHFIELD letters shall be 4", and the R5 letters shall be 13".



Red Color Code: TBD
Black Color Code: TBD

2.9 General Apparatus Requirements

2.9.1 Backup Devices

The vehicle shall be equipped with backup devices i.a.w. 1900 § 10.11.

An electric or electronic backup alarm shall be provided that meets the Type D (87 dBA) requirements of SAE J994.

A rear-view camera system shall be provided that, upon placing the vehicle transmission into reverse, allows the vehicle operator to visibly see an area no less than 10' x 20' directly behind the vehicle. There shall be a viewing screen in the cab easily viewable to the driver no less than 3" x 4".

2.9.2 Auxiliary Engine Brake

The vehicle shall have an auxiliary compression engine brake installed. The compression brake shall be controlled through an on/off switch and a low/medium/high selector switch. When engaged, the engine brake shall activate the brake lights.

2.9.3 Lamps and Reflective Devices

The vehicle shall be equipped with sufficient clearance lamps and reflectors to meet all applicable Federal Motor Vehicle Safety Standards (FMVSS) and DOT standards for commercial motor vehicles i.a.w. 49 CFR § 393.11. This includes but is not limited to forward amber clearance lights, rear red clearance lights, license plate lights, and side marker lamps and reflectors.



2.9.4 Side Facing Turn Signals

The vehicle shall be equipped with two (2) side facing amber “bullet style” LED lights located on each side of the body. They shall flash together with the turn signals to warn adjacent motorists.

2.9.5 Cruise Lights

The 4 corners of the cab light bar and the two top mounted rear beacon lights shall double as “cruise lights”. Lights shall automatically turn on with the clearance lights when the parking lights or headlights are engaged.

2.9.6 Mud Flaps

There shall be two (2) mud flaps installed. One (1) heavy duty black rubber flap shall be bolted in place behind each pair of rear wheels.

2.9.7 Shoreline Charging System

The vehicle shall be equipped with a shoreline charging system to charge and maintain the vehicle 12V batteries and all battery powered equipment in the cab and body of the vehicle. The shoreline charging system shall have an auto-eject plug near the driver’s door that automatically disconnects the shoreline when the vehicle is started. A remote bar graph display indicating the batteries’ state of charge shall be mounted near the plug.

2.9.8 Portable Winch

The vehicle shall be equipped with a 10,000 lb receiver mounted Warn or similar electric portable winch supplied by the bidder. The winch shall have no less than a 100’ synthetic cable. The winch shall comply with all requirements defined in NFPA 1900 § 24. The winch shall have a minimum 12’ control cable.

2.8.7.1 Portable Winch Receivers

The vehicle shall be equipped with four (4) 2” portable winch hitch receivers, one on each side of the vehicle, front, and rear. Receivers shall meet all requirements defined in NFPA 1900 § 12.11. Each receiver shall be rated to no less than 10,000 lb straight pulling capacity. Each receiver shall have a power receptacle nearby to supply power to the winch.

Safety sign FAMA28 shall be located on or near the receiver stating the maximum straight line pull rating.

2.9.9 Trailer Receiver

The vehicle shall be equipped with a Class IV trailer hitch with a 2” receiver i.a.w. NFPA 1900 § 9.3.6. The trailer receiver can double as the rear facing portable winch receiver. The trailer hitch shall have approved eyes for trailer safety chains. The vehicle shall have pre-wired standard 5-way flat and 7-way RV round connectors to plug in trailer lights. There shall be a label that states



the maximum GVWR and tongue weight of the trailer that can be towed with the hitch system in a location easily visible to the operator making trailer connections.

2.9.10 Onspot Tire Chains

The vehicle shall be equipped with a set of rear tire automatic Onspot tire chains. The Onspot tire chains shall be activated via a covered switch easily accessible to the driver of the vehicle.

2.9.11 Tow Rings

The vehicle shall be equipped with a set of heavy-duty tow rings on the front and rear of the vehicle i.a.w. NFPA 1900 § 9.3.5. Tow rings shall be fully enclosed. Safety sign FAMA28 shall be located on or near the receiver stating the maximum straight line pull rating. Tow rings shall be positioned in a manner that maximizes vehicle angle of approach and departure.

2.9.12 Wheel Chocks

The vehicle shall be equipped with two (2) wheel chocks i.a.w. NFPA 1900 § 8.15 mounted externally in horizontal holders near the rear wheel of the driver's side of the vehicle. Wheel chocks shall be Zico Quic-Choc SAC-44-E or similar.

2.9.13 Body Undercoating

The entire underside of the body, including all the under-structure aluminum, shall be sprayed with Ziebart (or equivalent) black automotive undercoating. This process will aid in preventing rust and will provide sound and vapor barrier for aluminum structures. Undercoating shall be applied to chassis, modular body, and any structural add ons.

2.9.14 Master Battery Disconnect Switch

The vehicle shall be equipped with a master battery disconnect switch near the driver's seat. The disconnect/latching relay shall not consume any electrical current in the on/off position. A green pilot light shall be provided to signal the driver that the system is on or off.

2.9.15 Engine Auxiliary Idle Control

The diesel engine shall have an auxiliary high idle control system. The high idle system shall utilize the engine PCM to control engine RPM. It shall be activated by an on/off switch installed in the chassis cab with a permanent label reading "High Idle". The system shall be interlocked into the "Park" gear of the transmission and also to the parking brake set/release control.

2.9.16 Anti-Corrosion Protection

Where dissimilar metals must be joined, overlaid, share perforations, or otherwise come in contact with each other to achieve construction performance or aesthetic requirements, such items shall be separated by a continuous contact, non-conductive coating or film to prevent or otherwise mitigate the effects of electrolysis. Only stainless-steel hardware and fasteners shall be used in the construction of the apparatus. Where stainless-steel fasteners pass through an



aluminum component, the fastener contact surfaces, including the head, washer, and nut shall be coated with ECK anti-corrosion material.

2.9.17 Apparatus Manuals

One (1) hardcopy set and one (1) electronic USB storage device of the apparatus manufacturers operation and maintenance manuals shall be delivered with the completed vehicle. Manuals shall cover the complete apparatus as delivered, including but not limited to the engine, chassis, onboard systems, wiring diagrams, and any other documents or technical data referencing the apparatus. All contributing OEM and body manufacturer warranties and/or guarantees shall also be included with the manuals.

2.10 Mounted Equipment

The following equipment shall be mounted into appropriate brackets to meet all NFPA and DOT requirements. Bidder supplied equipment shall be the responsibility of the bidder. Customer supplied equipment will be provided to the bidder for mounting prior to final delivery. Specific details of equipment delivery and mounting locations shall be approved and coordinated prior to installation and delivery.

2.10.1 Bidder Supplied Equipment

The bidder shall purchase and install the following equipment:

- (4x) Streamlight Survivor® Right Angle Light – Rechargeable
- (2x) Streamlight Fire Vulcan Lantern
- (1x) 10,000lb winch with hitch mount – Warn ZEON 10-S Multi Mount or equivalent
- (1x) Honda Portable Generator – EU3200i
- (1x) HAVIS iPad Mount
- (1x) Little Giant Overhaul Ladder – #15197-303

2.10.2 Customer Supplied Equipment

The customer shall deliver the following equipment to the supplier for final mounting prior to delivery. This equipment list is non-binding and shall be finalized before mounting and delivery.

- (4x) SCOTT SCBA Airpack
- (6x) SCOTT SCBA 45-minute air bottles
- (4x) Portable Radios
- (1x) Knox Box Radio Controlled Activation
- (1x) Junkin Litter Basket
- (1x) Litter Wheel
- (1x) MARSARS Sled
- Paratech Equipment



- HydraFusions
- Paratech Air Bags
- (1x) Set of Irons
- (1x) Broom
- (1x) Shovel
- (1x) Sledge Hammer
- (1x) Bolt Cutters
- (4x) Hurst e-Draulic tools, chargers, and batteries
- Milwaukee Battery Tools, Chargers, and Batteries
- Streamlight Battery Scene Light
- (1x) Water Can
- (1x) Fire Extinguisher

3 Schedule and Deliverables

3.1 Schedule

Below is the preferred schedule for Litchfield Fire Company. Schedule, build period, and delivery date are non-binding and should not prevent the bidder from bidding. Please submit schedule projection as a part of your proposal package.

RFP available to prospective vendors	August 4, 2025
Final Date for RFP Submission	September 2, 2025
Bid Opening	September 2, 2025
Review Period	September 3, 2025 – October 6, 2025
Successful Bidder notified via email	October 7, 2025
Build Period	October 8, 2025 – October 31, 2026
Apparatus Delivery	October 31, 2026

3.2 Deliverables

Please submit the following as a part of your proposal package:

- Detail Specification of proposed apparatus
- Dimensioned 5-View Drawings showing compartments both closed and opened
- Statement of Work that identifies roles and responsibilities of both the manufacturer, bidder, and subcontractors.
- A Statement of Exceptions as indicated in NFPA 1901 Section 4.21 specifically identifying each aspect of the completed apparatus that will not be fully compliant with the requirements of the standard at the time of delivery.
- Apparatus cost, separating out cab model and light manufacturer.



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- Material cost, Non-Recurring Engineering, and Labor costs shall be listed separately.
- Proposed Schedule for delivery
- Vehicle warranty Information

4 Contact Information

For questions during proposal and/or proposal delivery, please contact the following:

Litchfield Fire Company, Inc.
PO Box 786
Litchfield, CT 06759

Committee Chairman, Lieutenant Nate Schulde – n.schulde@yahoo.com
Chief Dave Rogers – chief.lfc31@gmail.com



HOLD HARMLESS AGREEMENT

The Contractor named below agrees that it will indemnify and hold harmless the Litchfield Fire Company Inc. and its respective officers, agents and members from any loss, costs, damages, expenses, judgements and liability whatsoever kind or nature howsoever the same may be caused resulting directly or indirectly by any negligent act or omission of the contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable resulting in bodily injury including sickness and death, personal injury or damage to property directly or indirectly, including the loss of use resulting therefrom as permitted by law, unless and to the extent caused by the Litchfield Fire Company's negligence or its willful acts.

SUPPLEMENTAL AGREEMENT

The Contractor named below is an independent subcontractor and neither the Contractor nor its employees nor the Contractor's subcontractors under any circumstances, will be considered servants or agents of the Litchfield Fire Company (LFC) and the LFC will be at no time legally responsible for any negligence or other wrong doing by the Contractor, its servants or agents or the Contractor's subcontractors. The LFC will not withhold from the contract payments to the Contractor for any federal or state unemployment taxes, federal or state income taxes, Social Security tax, or any other amounts for benefits to the Contractor. The lump sum or unit charges for the services provided does not represent gross wages and further the LFC will not provide the Contractor any insurance coverage or other benefits, including Workers' Compensation, normally provided by the LFC for its members.

Signed: _____

Print Name: _____

Title: _____

Company: _____

Address: _____

Subscribed and sworn to before me on this _____ day of _____, 2025.

Notary Public