

LAYTON CITY FIRE DEPARTMENT
REQUEST FOR PURCHASE
FOR A TYPE 2 AMBULANCE
2022
BID SPECIFICATIONS

INTRODUCTION

The following is an outline of specifications and request for the purchase of a Type 2 Ambulance. The requested apparatus is primarily for inter-facility transports. This purchase is subject a final budget approval by the Layton City Council.

VENDOR PROPOSALS DUE BACK

All proposals offered under this specification are due back to the Layton City Fire Department on or before Friday, July 8th, 2022 at 10:00 a.m. Proposals may be emailed, mailed, or hand delivered to Fire Station #51:

Layton City Fire Department
530 North 2200 West
Layton, Utah 84041
(801) 336-3940
(801) 546-0901 fax

Mailed or hand delivered proposals should be sealed and clearly marked "2022 Ambulance Purchase".

Emailed proposals should be read receipt tagged and to bwilkes@laytoncity.org

SPECIAL BID INSTRUCTIONS

The total bid price shall include all fees, costs, training, and delivery associated with specified apparatus.

These specifications are written to be descriptive and set a minimum standard of quality and not to be restrictive. However, the Layton City Fire shall be the sole judge as to which bid constitutes the lowest bid and/or most responsible offer. Price is only one consideration. Delivery, delivery date, maintenance, service, and quality are among other factors that will be considered in the award of the bid. Layton City Fire does not bind itself to accept low bid. Layton City Fire reserves the right to accept or reject any or all proposals submitted under this request. Layton City Fire reserves the right to negotiate options with the successful bidder on equipment or other items specified by this proposal. Layton City Fire reserves the right to negotiate payment terms and incentives with the successful bidder.

Any questions regarding these specifications during the bid process shall be directed to the following contact.

Battalion Chief Brad Wilkes
Layton City Fire Department
530 North 2200 West
Layton, Utah 84041
(801) 336-3940
(801) 546-0901 fax
bwilkes@laytoncity.org

INTENT OF SPECIFICATIONS

It shall be the intent of these specifications to cover the furnishing and delivery of a complete apparatus equipped as hereinafter specified. These specifications shall cover only the general requirements as to the type of construction and test to which the apparatus shall conform, together with certain details as to finish, equipment and appliances with which the successful bidder shall conform.

Bids are desired from companies that have an established reputation in the field of ambulance construction and have been in business for a minimum of 15 years. Further, bidder shall maintain dedicated service facilities for the repair and service of products. Evidence of such a facility shall be included in bidder proposal.

Each bidder shall furnish satisfactory evidence of their ability to construct the apparatus specified and shall state the location of the factory where the apparatus is to be built. The bidder shall also show that the company is in position to render prompt service and to furnish replacement parts. Each bid shall be accompanied by a set of "Contractor's Specifications" consisting of a detailed description of the apparatus and equipment proposed and to which the apparatus furnished under contract shall conform. These specifications shall indicate size, type, model and make of all component parts and equipment.

The attached specification defines a heavy-duty, commercial emergency medical vehicle, built to withstand adverse driving conditions. The vehicle shall meet or exceed the latest revision to federal specification KKK-A-1822, Federal Motor Vehicle Safety Standards (FMVSS), National Truck Equipment Association (NTEA) Ambulance Manufacturer's Division (AMD) standards and Ford Qualified Vehicle Modifier (QVM) Program Truck Guidelines.

This invitation is extended to all qualified vendors/manufacturers that are specifically in the business of building emergency medical vehicles and/or equipment.

SPECIFICATION BID REQUIREMENTS

Bidders shall also indicate in the "yes/no" column if their bid complies on each item (PARAGRAPH) specified. Exceptions shall be allowed if they are equal to or superior to that specified and provided they are listed and fully explained on a separate page.

DELIVERY TO LAYTON FIRE DEPARTMENT

Bidder comply Yes___ No___

A qualified delivery engineer representing the contractor shall deliver the apparatus and remain for a sufficient length of time to instruct personnel in the proper operation, care and maintenance of the equipment delivered. Delivery to Layton Fire Department included in final bid price. Build time and delivery date must be clearly listed.

QUALITY/COMPLIANCE INSPECTION

Bidder comply Yes___ No___

A thorough quality/compliance inspection by this agency's employees or this agency's hired representative shall compare the Ambulance to the specifications within 10 calendar days of written notice of vehicle completion by the successful bidder. Layton City will determine compliance to the specifications and may accept or reject the ambulance at such time.

SERVICE CENTER

Bidder comply Yes___ No___

Successful bidder must have a factory approved service center located within the Wasatch Front area.

TABLE OF CONTENTS

Bidder comply Yes___ No___

A table of contents shall be provided with all proposals, for ease in locating items which shall be provided by the bidder. Bidders shall submit a detailed proposal. A letter only, even though written on a company letterhead, shall not be sufficient.

PUBLIC LIABILITY INSURANCE

Bidder comply Yes___ No___

The successful bidder shall, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of public liability insurance:

Products/Completed Operations Aggregate	\$2,000,000
Personal and Advertising Injury	\$1,000,000
Each Occurrence	\$1,000,000

Coverage shall be written on either a Commercial or Comprehensive General Liability form. The

policy shall be written on an occurrence form and shall include Contractual Liability coverage. The policy shall include purchaser as an additional insured as their interest may appear.

The required limits can be provided by one or more policies provided all other insurance requirements are met.

Coverage shall be provided by a carrier(s) rated "Excellent" by A.M. Bests.

UMBRELLA LIABILITY INSURANCE

Bidder comply Yes___ No___

The successful bidder shall, during the performance of the contract and for three (3) years following acceptance of the product, keep in force at least the following minimum limits of umbrella liability insurance:

Aggregate: \$4,000,000
Each Occurrence: \$4,000,000

The policy shall be written on an occurrence basis and at a minimum provide the same coverages as Bidder's General Liability, Automobile Liability and Employer's Liability policies. Purchaser shall be included as an additional insured as their interest may appear.

Bidder agrees to furnish purchaser with a current Certificate of Insurance with the coverages listed above along with its bid. The certificate shall be made out to the purchaser and be an original, no photocopies shall be accepted. The Certificate of Insurance shall provide that purchaser be given 30 days advance notice of cancellation, non renewal or material change in coverage.

QUALITY AND WORKMANSHIP

Bidder comply Yes___ No___

The design of the Apparatus 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 units that require periodic maintenance operations, ease of operation and symmetrical proportions.

PURCHASER'S RIGHTS

Bidder comply Yes___ No___

The Purchaser reserves the right to accept or reject any or all bids as it deems to be of their best interest to do so.

SUPPLIED INFORMATION & EXTRAS

Bidder comply Yes___ No___

The apparatus manufacturer shall supply two (2) copies of apparatus manuals with all manufactured apparatus. The manuals shall include, but not be limited to: all component warranties, user manuals and information for supplied products, apparatus engineering information including drawings and build prints, and whatever other pertinent information the apparatus manufacturer can supply to its customer regarding the said apparatus.

Included in the delivery of the unit, the apparatus manufacturer shall also include spare hardware and extra fasteners, paint for touch-up, information regarding washing and care procedures, as well as other recommendations for care and upkeep of the general apparatus.

The apparatus manufacturer shall also supply a manufacturer's record of apparatus construction details, including the following information:

WEIGHT DISTRIBUTION GUIDELINES

Bidder comply Yes___ No___

The ambulance specified herein shall be weighed at the end of the ambulance manufacturer's production cycle to assure compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 013 - Weight Distribution Guidelines.

AMBULANCE MAIN OXYGEN SYSTEM TEST

Bidder comply Yes___ No___

Each ambulance's main Oxygen System shall be tested to assure compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 015 - Ambulance Main Oxygen System Test.

ASPIRATOR SYSTEM TEST, PRIMARY PATIENT

Bidder comply Yes___ No___

Each ambulance's primary patient aspirator system shall be tested to assure compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 021 - Aspirator System Test, Primary Patient.

QUALITY ASSURANCE

Bidder comply Yes___ No___

The vendor shall inspect and test all systems, electrical loads, per current Federal specification KKK-A-1822 Section 4.

CHASSIS

Bidder comply Yes___ No___

The chassis required for this project is specified in detail below. Please note, Layton City request bids for multiple chassis options as per vendor availability.

2021 (or newer) FORD T-250 W2X, Transit Mid Roof Gas 3.5L Ecoboost V6 148" WB:

TRANSMISSION

Bidder comply Yes___ No___

Automatic, 6 speed, heavy duty, internal transmission cooler.

REAR AXLE

Bidder comply Yes___ No___

Ratio: 3:73:1limited slip

OVERALL WEIGHT RATINGS

Bidder comply Yes___ No___

GVW:	9,000 lbs.
Front Axle:	4,000 lbs.
Rear Axle:	5,500 lbs.

TIRES AND WHEELS

Bidder comply Yes___ No___

Steel rims as per OEM. Wheel covers for appealing appearance. OEM approved, 10 ply, heavy duty service All Season tires.

Spare tire and spare tire tools and jack.

OEM tire pressure monitoring.

INTERIOR APPOINTMENT STANDARDS

Bidder comply Yes___ No___

Power door locks
Power windows
Power/Heated mirrors
12V power point
Heat/Air conditioning
Dual O.E.M. cloth-covered captain's chairs with inside folding arm rests
Rubber floor covering
Second generation driver and passenger air bags
An AM/FM stereo/CD/MP3 player with two (4) speakers installed in cab
Map light with switch in cab

WARNING LIGHTS:

Bidder comply Yes___ No___

Emergency warning lighting shall meet or exceed the latest revision to federal specification KKK-A-1822

EXTERIOR and ADDITIONAL APPOINTMENT STANDARDS

Bidder comply Yes___ No___

Ford XL trim package
Chrome front bumper and grille surround
Interval wipers
Daytime running lights
Sound reduction package
Front license plate bracket
Dual electric horns
Remote keyless entry (2) Fobs
Rear view backup camera
Reverse alarm activated when vehicle is in reverse

BATTERIES

Bidder comply Yes___ No___

The vehicle shall be equipped with two (2) 750 cca batteries. (ambulance prep package)

ALTERNATORS

Bidder comply Yes___ No___

O.E.M dual alternators shall be installed by the chassis manufacturer. This alternator shall be internally regulated and shall provide a minimum total of 210 amps each. (ambulance prep package)

WARRANTY

Bidder comply Yes___ No___

The chassis manufacturer's standard vehicle warranty policies shall apply.

CHASSIS INTERIOR COLOR

Bidder comply Yes___ No___

The chassis interior shall be O.E.M. gray.

12 VOLT POWER INVERTER

Bidder comply Yes___ No___

A highly reliable Vanner 1050CUL electronic power conversion unit shall be installed. A 125 VAC Kussmaul auto eject plug shall be installed and connected to the Vanner for charging.

BATTERY SWITCH

Bidder comply Yes___ No___

A conversion disconnect switch shall be supplied. Constant battery power shall be supplied for device memory. The switch shall be a Cole Hersee Model M2484-16 with a legend bezel that defines the ON and OFF position. An indicator light shall illuminate on the cab console panel when the switch is placed in the "ON" position.

BATTERY CHARGER/CONVERTER

Bidder comply Yes___ No___

There shall be a IOTA-DLS-30 Converter installed and wired through the shoreline system. The converter shall accept input voltage from 208-242 Volts AC.

BATTERY CHARGER

Bidder comply Yes___ No___

A battery charger with internal battery saver shall be provided. A bar graph display indicating the state of charge shall be included.

The battery saver circuit shall be capable of supplying up to three (3) amps for external loads such as hand light or auxiliary radio batteries.

The battery charger shall be wired to the 120-volt shoreline to activate automatically when power is connected.

PATIENT CARE CABINETS

Bidder comply Yes___ No___

The maximum amount of cabinet space is desired. Cabinets shall be arranged in such a manner as to facilitate easy access, positive closing doors for safety, and a pleasing appearance. Cabinet finish shall be high quality, low maintenance surface resistant to abrasions and ease of cleaning. Bidder shall include a detailed drawing showing size and configuration of all cabinet components.

PATIENT CABIN INSULATION, DUAL LAYER

Bidder comply Yes___ No___

The insulation material shall be 8mm thick nonabsorbent, reflective and shall have an air cell core with two layers installed. The insulation shall be installed over top of the standard insulation materials. The insulation shall have a NFPA Class A and a UBC Class 1 fire rating with a flame spread index of 20 and a smoke developed index of 30. The application shall be TWO layers of insulation on all four walls, doors, compartments, ceiling and floor.

A/C UNIT LOCATION

Bidder comply Yes___ No___

On the floor beside the attendant seat. AC Unit will have a ducted delivery system in the ceiling with eight (8) adjustable vents.

MICA COLOR

Bidder comply Yes___ No___

The mica color selection shall be Light Gray with a Matte finish.

POLYCARBONATE COLOR

Bidder comply Yes___ No___

The polycarbonate throughout the vehicle shall be transparent with a gray medium tint. All doors shall be at least three sixteenths of one inch thick (3/16"), shatter proof and scratch resistant. The edges of the door shall be worked and burned smooth.

SQUAD BENCH

Bidder comply Yes___ No___

A squad bench shall be installed on the curbside of the patient compartment. The number of seating locations shall be installed as described in the options following this general heading specification. All seat belts and anchorage shall comply with FMVSS. 209 and 210. The Squad Bench shall comply with current KKK-A-1822. A backrest shall be supplied for all seated personnel along the squad bench.

OXYGEN CYLINDER STORAGE CABINET

Bidder comply Yes___ No___

The cabinet shall accommodate one "M" sized, steel OR Aluminum oxygen cylinder. The cabinet shall be vented to the outside of the vehicle per current Federal specification KKK-A-1822.

FLOOR COVERING

Bidder comply Yes___ No___

The floor covering shall be one piece throughout the patient cabin regardless of the body length. The core of the flooring shall be the same color as the surface. The flooring material shall be commercial grade sheet floor.

SUCTION

Bidder comply Yes___ No___

An on-board suction system shall be installed. The suction shall be easily accessed from the ALS seat and not obstruct the surface of the action area.

MONITOR SHELF

Bidder comply Yes___ No___

A shelf capable of holding an ALS monitor shall be installed near the ALS chair and within the driver side wall cabinet system. The shelf shall have provisions to secure the monitor to the shelf.

OXYGEN HOSES

Bidder comply Yes___ No___

All oxygen system service hoses, fittings and devices shall be made of nonferrous materials. Hoses used to pipe Medical Oxygen shall be electrically non-conductive, ¼ inside diameter with an abrasion resistant, green colored outer jacket

AUXILLARY DOOR HANDLES

Bidder comply Yes___ No___

There shall be installed additional handles on the interior of the OEM rear entry doors to aid in the closing of the doors. The handles shall be made of metal and chrome plated.

ADDITIONAL ASSIST RAIL

Bidder comply Yes___ No___

This rail shall be naturally accessible to assist working attendants in maintaining their balance. The rail shall be 1 ¼ diameter, 100% stainless steel and 24" long. The rail shall be coated with Gray anti-microbial finish. All rail fittings shall be TIG welded to the main rail. The rail shall be located prior to order confirmation. Grab rails that utilize separate, setscrew rail fittings are not reliable and not acceptable.

EXHAUST VENT

Bidder comply Yes___ No___

There shall be a 12 volt powered exhaust vent installed toward the rear of the patient compartment. A switch shall control this feature from the action area.

INTAKE VENT

Bidder comply Yes___ No___

There shall be an intake vent and control mechanism installed in the chassis with static non-powered intake of fresh air into the patient compartment

ACTION AREA LIGHTING

Bidder comply Yes___ No___

A 12v, 12", LED light fixture shall be installed on underside of the Action Area board control center.

ACTION AREA HEADER

Bidder comply Yes___ No___

The action area header shall have a horizontal piece of soft edge trim installed.

MAIN BODY COLOR

Bidder comply Yes___ No___

The main body color shall be oxford white

AMBULANCE MARKING PACKAGE

Bidder comply Yes___ No___

The vehicle shall be supplied with a lettering and decal package that matches current Layton Fire Type 2 ambulances. The rear of the ambulance shall have NFPA chevron striping.

OXYGEN REGULATOR

Bidder comply Yes___ No___

There shall be shipped loose a fixed output oxygen regulator with CGA 540 thread end connection.

OPTICOM INSTALL

Bidder comply Yes___ No___

An Opticom emitter shall be installed in center, top light position on the front of the high cab. Include a switch in the front console and wire through the Neutral Safety switch. The Opticom will be deactivated when the ambulance is put into the "park" position.

ADDITIONAL EQUIPMENT

Bidder comply Yes___ No___

Stryker Power Pro cot with IV pole, 2 brakes, sto-net, and O2 bracket. Model shall match current LFD gurneys. Cot price should be listed separate from the ambulance bid.

COT MOUNT

Bidder comply Yes___ No___

Stryker Power Load. Model shall match current LFD gurneys. Cot price should be listed separate from the ambulance bid.

ELECTRONICS INSTALLATION/MOUNTING

Bidder comply Yes___ No___

Price shall include installation of LFD provided Gamber-Johnson MDC Mount, 800 mhz. radio, handset charger, modem, etc.

OPTIONS

Bidder comply Yes___ No___

Layton City is requesting a trade-in value for a 2011 Horton Ambulance. The ambulance is available for inspection at Station 53. The ambulance is fully functional. A trade-in price shall be listed separate from the ambulance bid.