

Elk City Fire and EMS Department

INVITATION TO BID - AMBULANCE

The City of Elk City Fire and EMS Department in Elk City, Oklahoma is seeking sealed bids for (1) Type I, Class I, Configuration A ambulance. The vehicle shall be new, heavy duty and commercially built specifically for emergency medical service. This bid specification is based on the Commission on Accreditation of Ambulance Services Ground Vehicle Standard for Ambulances (GVS). A letter and or decal shall be supplied for verification from the manufacturer certifying that the vehicle meets this standard.

Bids are to be submitted to:

Elk City Fire and EMS Department
Attention: Cheryl Sipes
P.O. Box 1100
Elk City, Oklahoma 73648
580-225-3230

Bids Due by

8/11/2021 1200PM

BIDDING PROCEDURE

BID FORMS - All bids must be submitted on the bid forms. The form must be filled out by checking either the "YES or NO" column for each and every item.

1. The specification document shall be submitted in its entirety as part of the bidder's proposal with all appropriate blanks completed.
2. Each bid must be legibly printed in ink or typewritten on the Proposal Form included in the specification document.
3. Bids received after the scheduled closing of bids will be rejected.
4. Insurance Liability. Bidders shall assume insurance and responsibility for the chassis until delivered to the buyer.
5. The buyer reserves the right to accept or reject any or all bids, or part of bids, to waive irregularities and technicalities and to request re-bids on the material described in the specification documents.

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AMBULANCE SPECIFICATIONS

The undersigned bidder, having full knowledge of the requirements of the Emergency Medical Service for the listed items and contract documents, and all other conditions of this proposal, agrees to sell to the Emergency Medical Service the listed items for the performance of these specifications, complete in every respect, in strict accordance with the contract documents at and for unit prices listed below.

**One (1) Ambulance, Type I Modular Ambulance Body
2022 or newer Ford F450 4x4 Chassis**

TOTAL BID \$ _____

The undersigned signatory for the bidder represents and warrants that he has full and complete authority to submit this proposal and to enter into a contract if this proposal is accepted.

_____	_____
BIDDER	BY (Print)
Address	_____
_____	(Signature)

Phone	Date

DELIVERY IN NUMBER OF DAYS, _____

**Note: 1) PLACE THIS PAGE ON THE FRONT OF YOUR PROPOSAL
2) Mark outside of bid envelope; "SEALED BID FOR AMBULANCE"**

Bid prices shall be valid for 30 days from the date of the Bid Opening

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INTENT

It is the intent of these specifications to describe an Ambulance in sufficient detail to enable the buyer to secure bids on comparable equipment. It is also the intent of these specifications to cover the furnishing and delivery of a complete and soundly engineered apparatus. The equipment shall be new, unused except for sales demonstration purposes. The buyer reserves the right to consider quality and workmanship of the proposed apparatus. Delivery time, operating characteristics, availability of service, and also design and manufacturing experience will be considered. All bids will be evaluated on the basis of compliance with these specifications and performance.

QUALITY AND WORKMANSHIP

This specification covers a new commercially built emergency medical care vehicle, herein after referred to as "ambulance" or "vehicle". This vehicle shall be in accordance with the Ambulance Design Criteria of the National Highway Traffic Administration, U.S. Department of Transportation. This bid specification is based on the Commission on Accreditation of Ambulance Services Ground Vehicle Standard for Ambulances (GVS) and the ambulance shall comply with all Federal Motor Vehicle Safety Standards (FMVSS) and Federal regulations applicable for the year of manufacture.

This document is minimum specifications for the manufacture of an emergency medical care vehicle that meets the needs and desires of this agency. It establishes essential criteria for the design, performance, equipment, and appearance of the vehicle. All dimensions listed are given as the approximate sizes required meeting the needs of the department. All vendors and manufacturers must meet all state and local regulations regarding the manufacturing, licensing, and sale of emergency rescue vehicles and ambulances within the state.

ACQUAINTANCE WITH SPECIFICATIONS

It is the responsibility of the bidder to review all of the bidding requirements. Failure of a bidder to be acquainted with this information shall not relieve the bidder from any obligation of the bid requirements.

EQUIVALENT

These specifications are for the sole purpose of establishing minimum requirements of level of quality, standards of performance and design and is in no way intended to prohibit the bidding of any manufacturer's item of equal material. Purchaser shall be the sole judge of equality and this decision final. Any substitutions as "equivalent" must be marked as such within the body of the bid and explained on a separate page marked "**EXCEPTIONS**".

EXCEPTION TO SPECIFICATIONS

Any exceptions to these specifications must be clearly pointed out. Otherwise, it will be considered that the items offered are in strict compliance with the written specifications and that the successful bidder will be responsible for delivering a vehicle meeting these specifications. Any exceptions must be marked as such within the body of the bid and explained on a separate page marked "**EXCEPTIONS**".

DEALERS LICENSE

To be eligible to bid, vendors must provide proof in the bid packet of current Oklahoma Dealers License.

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GENERAL PRINCIPLES

This is an engineer, design, construct, and deliver type specification and it is not the intention of this agency to write out vendors or manufactures of similar or equal equipment of the types specified. It should be noted, however, that this specification is written around the specific needs of the department. It is the intent to standardize certain components thus specific brands have been specified in certain places. This has been done to establish a certain standard of quality. Other brands will be accepted providing the vendor/manufacturer details how another brand will meet or exceed the quality of the actual brand specified.

The emergency medical care vehicle, chassis, ambulance body, equipment, devices, medical accessories, and electronic equipment to be delivered under this contract shall be standard commercial product, which meet or exceed the requirements of this specification. The chassis, components, and optional items shall be represented in the manufacturer's current technical data. Materials used in the construction shall be new and not less than the quality conforming to current engineering and manufacturing practices. Materials shall be free of defects and shall be suitable for intended use.

INDEMNIFICATION AND INSURANCE

Since these specifications describe an emergency vehicle that may be used under adverse conditions, this agency seeks to mitigate future liability exposure; therefore, all primary manufacturers will submit their Certificate of Insurance. This agency will only consider a primary manufacturer with a minimum of Ten Million United States Dollars (\$10,000,000.00 USD) that is based on a PER INCIDENT basis. This insurance shall be issued by a company rated "A" or better as reported in the current edition of Bests Key Rating Guide, published by Alfred M. Best Company, Inc. Aggregate liability coverage will not be considered regardless of amount.

EMPLOYEE STATEMENT

It is mandated by the United States Government that all employees currently and to be employed during the duration of this contract are not discriminated against because of their race, creed, color, sex, nationality origin and disability. Further, this agency must be satisfied that the primary manufacturer's labor pool is treated in a fair and equitable manner. Therefore, it will be the responsibility of the primary manufacturer to include a human resource statement upon request outlining employment status, working conditions, and benefits.

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PRE-CONSTRUCTION CONFERENCE / INSPECTIONS

The buyer and contractor will participate in a pre-construction conference to review and finalize construction details prior to placement of order.

Pre-Delivery Inspection Trip - Bid shall include travel expenses, lodging, transportation, and food for two (2) ECFD employees to travel to the manufacturer's plant for the purpose of a pre-delivery inspection of the vehicle.

BIDDING PROCEDURE

BID FORMS - All bids must be submitted on the attached bid forms. The form must be filled out by checking either the "YES or NO" column for each and every item.

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2. Each bid must be legibly printed in ink or typewritten on the Proposal Form included in the specification document.
3. Bids received after the scheduled closing of bids will be rejected.
4. Insurance Liability. Bidders shall assume insurance and responsibility for the chassis until delivered to the buyer.
5. The buyer reserves the right to accept or reject any or all bids, or part of bids, to waive irregularities and technicalities and to request re-bids on the material described in the specification documents.

TERMS OF PAYMENT

Payment will be made in full by the buyer at the time of delivery, after all labor has been performed and all equipment has been delivered and all materials and equipment have met all contracts, specifications and acceptance tests.

DELIVERY

Since delivery proposals by the Bidders will weigh heavily in the determination of award of bid, the delivery schedules that are submitted by the Bidders and agreed upon by the Purchaser shall automatically become binding upon the successful Bidder.

- Bids shall be based upon delivery of the equipment to the location specified with all transportation charges and costs paid for by the bidder.
- The manufacturer shall supply at the time of delivery one (1) complete copy of operation manual and one (1) set of shop service manuals, maintenance and parts manuals covering the completed vehicle.
- Successful bidder shall be required to furnish title to the vehicle, free and clear of all liens and encumbrances within 30 days of delivery.

WARRANTIES

- Structural / Conversion - This agency expects a minimum of a **LIFETIME** modular construction warranty and **THREE (3) year and THIRTY SIX THOUSAND (36,000) mile** full warranty on the conversion.
- Electrical - The ambulance electrical system shall be covered by a limited **LIFETIME** warranty that will remain in effect for as long as the unit is owned by the purchaser. The electrical system warranty shall include, but not be limited to, defects in the vehicle wiring, connections, circuit breakers, relays, and circuit boards.
- Paint - There shall be provided a minimum **60 month** prorated paint warranty.

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- Cabinet – The cabinets shall be covered by a limited **LIFETIME** warranty that will remain in effect for as long as the unit is owned by the purchaser. The cabinet warranty shall include the following: wood or non-wood material used for the construction of the cabinets shall not delaminate and that the wooden dowels used for the construction of the cabinets shall not allow the cabinet sections to separate.

DOCUMENTATION REQUIREMENTS

It is paramount to this agency that vehicle(s) presented be built by a reputable manufacturer with considerable experience in the ambulance manufacturing field. To this end, this agency requires that each manufacturer provide the following:

- | | | |
|---|---------|--------|
| 1. Ambulance Manufacturers Division (AMD) Certification | Yes () | No () |
| 2. Ford QVM Certification | Yes () | No () |
| 3. Certificate of Insurance | Yes () | No () |
| 4. ISO 9000:2008 Certification | Yes () | No () |
| 5. Current Oklahoma Dealers License | Yes () | No () |
| 6. Registered with CAAS | Yes () | No () |

Failure to provide required documentation will be deemed non-responsive.

TESTING DOCUMENTATION REQUIREMENTS

Proof of Independent Testing must be provided.

- Independent Certification that the modular body being proposed meets Static Load Test Code for Ambulance Body Structure AMD Standard 001.
- Independent Roof static load testing, side static load testing with a minimum side load of 22,700 lbs.
- Independent Dynamic modular body testing in the form of sled testing and drop testing. Modular front corner impact body drop testing will be at a minimum of 120 (one hundred and twenty feet). All rear doors must operate to simulate extraction of patient and crew in the event of curbside door failure.
- Welders employed by the primary manufacturer shall be certified to the American Welding Society Standard AWS D12.

Does bid comply with specification as written?

Yes No

Failure to provide required documentation will be deemed non-responsive.

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TECHNICAL REQUIREMENTS

1. CHASSIS REQUIREMENTS

1.1 CHASSIS TECHNICAL REQUIREMENTS

The ambulance shall be a Type I, Class I two (2) door conventional cab equipped with the Ambulance prep package. The design of the vehicle shall utilize floor plan "A" loading arrangement of patients into the patient compartment. All litters shall be loaded into position with the heads of the patients forward in the vehicle.

Does bid comply with specification as written?

Yes No

1.2 VEHICLE COMPONENTS, EQUIPMENT, AND ACCESSORIES

The emergency medical care vehicle, chassis ambulance body, equipment, devices medical accessories and electronic equipment to be delivered under this contract shall be standard commercial products, tested and certified, to meet this specification. The vehicle shall comply with all Federal Motor Vehicle Safety Standards (FMVSS) and United States regulations applicable or specified for the year of manufacture. The primary manufacturer shall procure the chassis, components, equipment, and accessories as specified and be the current technical data and materials of all suppliers.

Does bid comply with specification as written?

Yes No

1.3 CHASSIS

The chassis shall be a new **2021 or newer Ford Super Duty F450 4x4 Duel Rear Wheel Chassis Cab**, rear wheel drive, regular cab 169" wheel base, 16,500 GVW, 6.7L Diesel engine rated 325 HP @ 2,000 RPM, 10-speed electronic automatic transmission, Dual HD alternators, Dual A/C compressors, 4:10 Limited slip rear differential, painted steel 19.5" wheels with LT225/70R19.5 BSW All Season Tires including spare, power assist 4 wheel disk brakes with ABS system, engine block heater, 40 gallon single fuel tank, OEM high speed idle, rubber floor, cruise control, adjustable tilt steering wheel, power door locks, power windows, chrome front bumper, chrome grill, daytime running lights, AM/FM Single CD Player, DOT/FMVSS required lighting and all standard equipment.

Does bid comply with specification as written?

Yes No

1.4 BATTERY SYSTEM

The vehicle shall be supplied with a dual 12-volt battery system. Two OEM batteries, 78 – AH with 750 CCA. The battery system shall be wired in accordance with CAAS GVS C.8.1. The system must meet SAE J541 for starter circuit voltage drop. The batteries shall be activated through the OEM ignition switch. The ignition switch shall only turn off power to the module and not to the chassis circuits. When the ignition is shut off a five-minute timer keeps the module powered up for unloading patients. A momentary rocker switch shall be installed which will disable the timer. It shall be labeled TIMER BYPASS. It shall be located on the side of the center console.

Does bid comply with specification as written?

Yes No

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1.5 CAB INTERIOR OPTIONS

The driver's compartment shall be as required by sections C.10.1 – C.10.6.1 of CAAS GVS standard. The cab shall be equipped with the chassis manufacturer's high back "captain's chair". The safety restraint system for the driver and passenger shall be installed by the chassis manufacturer. Modifications or substitutions of the chassis manufacturer's cab seats or restraint system will not be acceptable.

Does bid comply with specification as written?

Yes No

1.6 BELLOWS, CAB/BODY CONNECTION

The modular body shall be attached to the cab chassis by means of a rubber bellows. The back window of the chassis cab shall be replaced with a painted aluminum insert adhered to the back of the chassis cab with an industrial grade adhesive. This procedure must be in strict compliance with chassis builder's guidelines. The entire structure shall be caulked and painted with the process identical as described for the module. The center section of the insert shall incorporate an integral, flange designed to provide a secure installation platform for an expandable rubber boot attaching the cab to the module. A bulkhead cabinet shall separate the cab from the patient compartment. There shall be a window in the bulkhead for visual checking and voice communications between the cab and the patient compartment. The window shall be at least 150 square inches. The window shall be an adjustable, transparent, and shatterproof panel that can separate the cab from the module for infection control precautions.

Does bid comply with specification as written?

Yes No

1.7 MIRRORS

The vehicle mirrors should be firmly secured, vibration less rear view mirrors totaling at least one hundred and twenty five square inches. The mirrors shall be OEM, manually telescoping trailer tow, power/heater glass, integrated clearance lights and turn signals, and a two-way fold.

Does bid comply with specification as written?

Yes No

1.8 WHEEL COVERS

Stainless steel wheel inserts and lug covers with rear interior wheel valve extension kit.

Does bid comply with specification as written?

Yes No

1.9 FRONT CONSOLE

A console shall be installed to house the switching panel and radio installation. The console will be constructed of Aluminum and painted Black. An access panel shall be installed on the top of the console to facilitate servicing. The switches shall be full size rocker switches with LED on indicators. The switches must have a positive "throw" feel and an audible "click" upon activation. The console shall have sufficient space for an electronic siren and two (2) two-way radio heads. The console will have 2 cup holders and a boxed storage area in the rear. Above the console against the rear wall will be a glove holder bracket, to hold three (3) boxes of gloves.

Does bid comply with specification as written?

Yes No

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1.10 REAR SUSPENSION

This unit shall have a "Liquid Spring" rear suspension installed by the manufacturer. It shall include electronic controls, automatic height control, kneeler, and OEM sway bar. The dump and fill function shall be operated by opening or closing the right rear door entrance door. It shall have both an enable switch and a dump indicator light in the cab console and shall only operate when the vehicle is in neutral or park with park brake set. An override switch shall be recessed near the right rear entry door.

Does bid comply with specification as written? Yes No

1.11 ENGINE BLOCK HEATER

The engine block heater shall be installed with a switch located on the driver side of the center console. It shall be wired to the shoreline.

Does bid comply with specification as written? Yes No

1.12 GRILLE GUARD/BUMPER

The chassis will have a full bumper replacement, Ranch Hand Grille Guard/Bumper installed on the front. The Grille Guard/bumper will be #FBB201BLR will be with headlight protectors. Ranch Hand power coated Black.

Does bid comply with specification as written? Yes No

2. MODULE REQUIREMENTS

2.1 MODULE TYPE

The Type I module shall be a minimum 153"L x72"H x 98"W, pass-through conversion.

Does bid comply with specification as written? Yes No

2.2 ENVIRONMENTAL SYSTEMS

The ambulance shall be equipped with heating, ventilating, and air conditioning systems that operate using re-circulated and ambient air and shall be capable of maintaining an interior temperature within the established comfort zone of 68 degrees thru 78 degrees Fahrenheit while operating between 0 degrees and 95 degrees Fahrenheit ambient. Environmental system components shall be readily accessible for servicing at the installed location.

Does bid comply with specification as written? Yes No

The airflow selector switch shall provide a high, medium and low setting. The switch shall be a common switch for both the heater and air conditioner. These environmental control switches shall be immediately accessible to the attendant while seated in the primary attendant seat located at the head of the primary patient.

Does bid comply with specification as written? Yes No

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The module control thermostat shall be located on a removable panel above the action wall. The system shall automatically maintain the set module temperature every time the vehicle is operated. The combo air conditioning /heating unit shall be located in the top left front corner at a 45-degree angle. The air will be directed to the module from two (2) adjustable louvers.

Does bid comply with specification as written?

Yes No

The air conditioning system shall be powered by 12 volt and 110 volts. A 30 amp Auto Eject Shoreline shall be installed to power the 110-volt A/C system. The electric heating system consisting of 17-watt heat strips shall run off 110 volts only. The 12V side heating shall use the engine coolant run through a heat exchanger. The blower motor will have a Hoseline brushless motor.

Does bid comply with specification as written?

Yes No

The system shall have an external top mounted AC condenser to increase the efficiency of the system. The external condenser will be in a custom fiberglass housing designed to hold a Hoseline condenser on the front of the module and allow for additional lighting mounted on the housing. The external condenser measures 65.38 inches along the rear (box side) and 40.5 inches on the forward-facing side. The housing is 12.38 inches deep by 9 inches high. There are two Angled portions to allow for additional lighting for intersection clearing, they are 17.55 inches by 9 inches at an approximate angle of 45 degrees. The condensers shall be Hoseline 2050D. They shall provide 2948 CFM of air flow across the condenser cooling coils with four 12VDC fans and provide 50,000 BTUs of cooling for the 12V side.

Does bid comply with specification as written?

Yes No

A secondary A/C unit will be installed in the upper rear on the driver's side. A Hoseline Mini Evaporator 9-6050 shall be installed and tied into the forward fan speed. This A/C unit will be connected to the secondary OEM A/C compressor.

Does bid comply with specification as written?

Yes No

The HVAC system will have ultraviolet lights installed in the return air intake for infection control precautions. These lights will sterilize the air coming into the HVAC system. There will also be a HEPA filter installed behind a removable panel on the intake side.

Does bid comply with specification as written?

Yes No

Primary manufacturers shall submit testing documentation from an independent laboratory for compliance with CAAS GVS Specifications with this proposal.

Does bid comply with specification as written?

Yes No

3. MODULE EXTERIOR

3.1 GENERAL BODY CONSTRUCTION

The modular body shall be constructed solely of aluminum including side skins, roof skin, all structural box tubing, corner and roof extrusions, tapping plates, gusset plates, retention plates, doors, door extrusions, sub structure moisture barrier and drip rails. The modular shall be engineered, built and have a LIFETIME warranty by the primary manufacturer. This agency will not accept a proposal from a primary manufacturer that supplies a modular body from an agency, builder, supplier, other than the primary manufacturer.

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The front, sides, and rear of the modular shall be configured from a single sheet of **.125 aluminum**. The one piece sheets shall be used to maximize integrity against dust, toxic fumes, cracking, and moisture penetration. Welded or seamed side sheets shall not be allowed.

Does bid comply with specification as written?

Yes No

3.2 BODY MOUNTING

Body mounting must comply with QVM. The mounting system shall not cause any chassis frame deformation. There shall be ten mounting points, five on each frame rail. The modular body shall have full perimeter welded sill rails of one-half inch by two inch of 6061-T6 alloy aluminum and be attached to the vehicle utilizing one inch by three inch sill plates of 6061-T6 alloy aluminum. The modular body shall be welded to the sill plates at every exposed seam. At all outriggers mounting locations a double compression, neoprene rubber isolator mount shall be used to minimize chassis vibration transfer to the modular body. The modular body and sill plates shall be attached to the frame rails using three quarter inch grade eight bolts.

Does bid comply with specification as written?

Yes No

3.3 ELECTROLYSIS PREVENTION

To prevent long term electrolytic paint corrosion all components to be mounted on the module exterior shall be cut out prior to painting. All exterior fasteners used to mount emergency lighting to the outside of the module shall be completely isolated from the painted module by using a nonferrous collapsible blind insert that is reusable. Additionally, all exterior components fastened or attached to the module shall incorporate the use of ECK brand anti-corrosion and electrolysis prevention material.

Does bid comply with specification as written?

Yes No

3.4 ROOF CONSTRUCTION

The module roof shall include a single sheet of .090" x 5052-H32 aluminum. This roof sheet shall be attached to the welded roof structure with 3M VHB adhesive and incorporate a continuous, full perimeter weld to the roof radius extrusion to provide a permanent weatherproof seal and to enhance the structural design of the modular structure. The weld around the perimeter of the roof skin shall be ground to provide a uniform transition around the perimeter of the roof material.

Does bid comply with specification as written?

Yes No

3.5 EXTERIOR COMPARTMENTS

The inside of all compartments shall be fully finished with a chip resistant, bacteriostatic, anti-fungal, mildew resistant sprayed on finish. The bottom of the O2 and spine board compartments shall be flush with the door opening to provide for a sweep out design. There shall be black Dri-Deck type matting on the bottom of the exterior compartment floors and all exterior shelves.

Does bid comply with specification as written?

Yes No

COMPARTMENT LAYOUT – (note this is a draft configuration with the final layout to be determined at the prebuild conference)

Compartment A is the passenger side forward compartment. The door opening dimensions shall be a minimum of 56 inches high and 17.75 inches wide. The interior dimensions shall be approximately 56.5 inches high, 20 inches wide and 30.25 inches deep. There will be (2) adjustable shelves.

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Compartment B1 is on the passenger side just behind the rear wheel. The door opening dimensions shall be a minimum of 19.25 inches high and 22.75 inches wide. The interior dimensions shall be approximately 22.5 inches high, 25 inches wide and 22 inches deep.

Compartment B2 is the passenger side rear compartment for backboard storage. The door opening dimensions shall be a minimum of 81.5 inches high and 13 inches wide. The interior dimensions shall be approximately 85 inches high, 5.25 inches wide and 22 inches deep.

Compartment D is the driver's side rear compartment. The door opening dimensions shall be a minimum of 36.75 inches high and 29.5 inches wide. The interior dimensions shall be approximately 39.75 inches high, 32.75 inches wide and 20.5 inches deep. There will be (1) adjustable shelf installed in this cabinet and (2) Zico QR-D-2 Strapless "D" Oxygen Cylinder brackets mounted.

Compartment E is on the driver's side just forward of the rear wheel. The door opening dimensions shall be a minimum of 26.5 inches high and 30.75 inches wide. The interior dimensions shall be approximately 27 inches high, 33 inches wide and 20.5 inches deep. This cabinet will house all the electrical components. This compartment will be equipped with dual fans for ventilation and air circulation and shall not be an auto locking and unlocking door.

Compartment F1 is the driver's side top forward compartment. This will have a vertically hinged single door. The door opening dimensions shall be a minimum of 46.25 inches high and 17 inches wide. The interior dimensions shall be approximately 46.25 inches high, 19.25 inches wide and 22 inches deep. It shall be externally vented and contain a Ziamatic Oxygen holder mounted horizontal on a slide out/flip down tray. There shall be one (1) shelf above the Oxygen storage rack. Rack shall be sized to properly secure a 200 Cubic foot O2 cylinder with a height of 56" and diameter of 9".

Compartment F2 is the driver's side forward lower compartment. The door opening dimensions shall be a minimum of 11.25 inches high and 51.5 inches wide. The interior dimensions shall be approximately 14 inches high, 55 inches wide and 21 inches deep. The single door shall be hinged on the bottom and held with 20" x ¼" metal aircraft cables.

Does bid comply with specification as written?

Yes No

3.6 WINDOWS

The side entrance door shall include a sliding window with a positive latch and screen. The window shall be approximately 26.5"W x 19.5"L with privacy tint. The rear entrance doors shall each have one fixed window measuring approximately 22.5" W x 13.5"L with privacy tint.

Does bid comply with specification as written?

Yes No

3.7 MODULE ENTRANCE DOORS

There shall be Red/Yellow reflective striping on the interior of the side and rear module entrance doors. The stripes shall be located in the center panel. Each stripe shall have a minimum 100 sq. inches of total reflective area. There shall be brushed stainless steel kick panels installed on the lower portion of the doors.

Does bid comply with specification as written?

Yes No

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The compartment door handles shall be Chrome Trimark OEM style handle with a large enough space for gloved hands to operate the handle. The door handles shall be free floating with 1008 cold rolled steel mechanical components with Nitrotec treated wear components. When the doors are opened, the hinges, latches and door checks shall not protrude into the patient compartment. All door latches shall comply with FMVSS 206. The locking devices shall be two stage rotary latches and shall be in accordance with FMVSS. There shall be two door latches, one at the top and one at the bottom, controlled by a single locking handle. The latches shall lock into an adjustable Nader type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut. All doors shall have spray foam insulation.

Does bid comply with specification as written?

Yes No

3.8 POWER DOOR LOCKS

The ambulance shall be equipped with power locks for compartment and entry doors. A momentary rocker switch shall be located just inside the curbside door and adjacent to the rear doors to activate the power door locks in the compartment and entry doors. A hidden momentary switch shall be placed on the exterior of the ambulance to unlock the cab doors. The location of this switch will be determined at the pre-build conference.

Does bid comply with specification as written?

Yes No

3.9 REAR DOOR HOLD OPENS

The rear doors shall be held open by (2) 5.5-inch Cast Grabber. The U-shaped piece shall be attached to the door. It shall enter a rubber insert when the door is in the open position.

Does bid comply with specification as written?

Yes No

3.10 SILL PROTECTION

The manufacturer shall install a stainless-steel door sill protection on the lower outside edge of all exterior entry and compartment door frames to prevent damage caused by entering or leaving the vehicle or when accessing or replacing equipment.

Does bid comply with specification as written?

Yes No

3.11 EXTERIOR COMPARTMENT DOORS

The ambulance shall be equipped with gas strut hold opens. The struts will be installed on each exterior compartment door and the side entry door. Exterior doors to open to 90+ degrees.

Does bid comply with specification as written?

Yes No

3.12 COMPARTMENT SWITCHING

The magnetic proximity switches located at the top of the door between the jamb and the door frame will activate a door open indicator on the driver's control panel.

Does bid comply with specification as written?

Yes No

3.13 REAR FENDERS

Polished fenders shall be provided around the rear wheel well openings.

Does bid comply with specification as written?

Yes No

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3.14 BUMPER AND REAR STEP CONSTRUCTION

The rear outboard bumper pods will be constructed of NFPA approved aluminum diamond plate. The center step of the bumper assembly shall be designed to allow it to flip up and out of the way to facilitate patient loading. The flip up section of the of the rear bumper shall be diamond plate to meet the requirements of CAAS GVS specification. The diamond plate flips up step shall be punched with three rows of raised star-shaped or similar holes to create additional non-skid surface. Dock bumpers shall be installed on each outboard pontoon on the rear bumper. The dock bumpers shall measure 10 inches wide and 4 1/2 inches high and 3 inches deep. There shall be eye beam constructed skid plates with tow eyes mounted as part of the frame of the bumper. There shall be a 3-inch red LED marker light on each side of the bumper assembly.

Does bid comply with specification as written?

Yes No

3.15 RECOVERY DEVICE

The rear of the patient compartment shall have two chrome tow eyes that are recessed through two holes in the rear kick plate. The holes in the kick plate shall be covered with a rubber covered metal trim.

Does bid comply with specification as written?

Yes No

3.16 MUD FLAPS

Mounted behind the front and rear wheels shall be heavy duty commercial type mud flaps.

Does bid comply with specification as written?

Yes No

3.17 RUNNING BOARDS

Diamond plate running boards shall be installed just under the cab doors for both the driver and passenger. The diamond plate step shall be punched with rows of raised star-shaped holes to create additional non-skid surface.

Does bid comply with specification as written?

Yes No

3.18 SKIRT RAILS

Extruded aluminum channel with extruded rubber insert shall be provided on street side and curbside of modular body. The rails shall be installed along the lower edge of the body. The rails shall be offset from the sides by a minimum of one quarter inch to allow water and road wash not to collect between the rail and modular rail. Rubber spacers shall be used to install the rails to eliminate the possibility of electrolysis. Reflective tape shall be inserted into the channel of the extruded aluminum skirt rail, the reflective tape will be white in color.

Does bid comply with specification as written?

Yes No

3.19 STONE GUARDS

The lower front corners of the patient compartment shall have stone guards attached to the corner extrusion. They shall be diamond plate aluminum and extend from the bottom edge of the corner extrusion up 17 inches.

Does bid comply with specification as written?

Yes No

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3.20 REAR KICKPLATE

Above the rear bumper and below the rear doors, there shall be a full-length riser of aluminum diamond plate for a protective kick panel. The kick panel shall be securely fastened with ceramic coated stainless-steel screws to inhibit rust that could result from electrolysis and run the full rear width of the module. Pop rivets are not acceptable.

Does bid comply with specification as written?

Yes No

3.21 LICENSE PLATE HOLDER

There shall be a cast aluminum license plate holder recessed into the rear of the module body. The cast housing shall be equipped with two LED lights. The mounting fasteners shall be stainless steel screws through plastic wall inserts and the cast housing shall be completely isolated from the module wall by a butyl rubber, full perimeter gasket. The manufacturer must use ECK brand material for installation.

Does bid comply with specification as written?

Yes No

3.22 DRI-DECKING

There shall be black Dri-Deck type matting on the bottom of the exterior compartment floors and all shelves.

Does bid comply with specification as written?

Yes No

3.23 DROP SKIRT

The skirt line forward of the rear wheels on both sides of the module shall be dropped four inches.

Does bid comply with specification as written?

Yes No

4. ELECTRICAL SYSTEMS AND COMPONENTS

4.1 ELECTRICAL SYSTEM

The emergency medical vehicle's electrical system must meet CAAS GVS standards. All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry a minimum of one hundred and twenty-five percent (125%) of the maximum ampere load for which the circuit protected. Standard circuit breakers, relays, and diodes shall be mounted on a printed circuit board that is easily accessible. All components on the circuit board are to be permanently labeled as to their function.

The driver and patient console shall incorporate full size "Euro-Style" rocker switches. The rocker switch shall incorporate a LED indicator lamp and rated at 15 Amps continuous service. The switches shall have a positive "throw" feel and an audible click upon activation and deactivation. The console shall incorporate a warning light panel. It shall provide indicator lights for showing when a compartment door(s), side and rear, are open. This shall be a flashing red LED light, a green battery indicator light to illuminate when the battery switch is in the "ON" position.

Does bid comply with specification as written?

Yes No

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4.2 COMMUNICATION

The vehicle shall be equipped with (2) two RG58AU low loss cables, with power lead and ground. Final termination of location to be determined at the pre-build conference.

Does bid comply with specification as written? Yes No

The vehicle shall have equipped a IBR900 cradle point router and a Panorama LG-IN2448-B antenna. This will be supplied by the winning vendor and be installed according to manufacturer specifications. This will include a power source and coax.

Does bid comply with specification as written? Yes No

4.3 CLOCKS

An Intellitec clock, over the interior rear doors, to be wired constant power in the module with the exact location to be determined at the prebuild conference.

Does bid comply with specification as written? Yes No

4.4 KNOX MEDVAULT

A Knox MedVault #5530 Series shall be installed in the front left corner under the HVAC system. It shall be recessed mounted and framed out in a cabinet.

Does bid comply with specification as written? Yes No

4.5 BACKUP CAMERA

A Safety Vision camera system with color LCD monitor shall be installed. The camera system shall include 3 cameras, one (1) mounted on the rear of the module, off center toward the driver's side and one (1) each cab fender. The monitor shall be mounted in the cab on the front console visible to the driver.

Does bid comply with specification as written? Yes No

4.6 REFRIGERATOR

An Engle Fridge, model MD14 shall be installed behind the attendant seat. The fridge will be mounted on top of the Oxygen compartment in the left corner.

Does bid comply with specification as written? Yes No

5. ELECTRICAL 12 VOLT DC

5.1 12 VOLT DC OUTLETS

The patient compartment shall include two (2) cigarette style 12VDC power outlets as standard. Two (2) outlets shall be mounted on the action wall.

Does bid comply with specification as written? Yes No

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5.2 5 VOLT DC USB OUTLET

There shall be two (2) USB outlets. The driver's compartment and rear action area shall be furnished with one 5 volt DC, 2.1 ampere capacity each, separately protected circuit and Dual USB outlet. These outlets will have "constant power".

Does bid comply with specification as written?

Yes No

5.3 12 VOLT DC POWER SOURCES

A 12VDC power source shall power customer supplied portable battery charging devices. It shall be 20 amp and ignition/shoreline switch hot. The power source shall be split into two locations tagged and identified (1) behind driver's seat and (1) behind action area in module.

One 12VDC, 15 amp power source shall be installed in a location as determined at the pre-build conference.

Four (4) 12VDC, 30 amp power source shall be installed in a location as determined at the pre-build conference.

Does bid comply with specification as written?

Yes No

6. ELECTRICAL 110 VOLT AC

6.1 EXTERNAL 110VAC SHORE POWER

This unit shall be equipped with two (1) 120VAC - 20 AMP auto eject shoreline inlet.

Does bid comply with specification as written?

Yes No

6.2 110 VOLT OUTLETS

There shall be five (5) 125VAC 2-wire plus ground illuminated 15-amp duplex outlets, one located on the action area wall, one behind the attendant seat, one at the rearward wall of squad bench and one in each of the right front ALS cabinets, E1 and E2. The outlets in the ALS cabinets shall be located on the inboard wall of the upper sections, above the top shelves. All 110VAC outlets shall be hospital grade.

Does bid comply with specification as written?

Yes No

6.3 ONBOARD 110VAC POWER SUPPLY

The vehicle shall be equipped with a Vanner 'UL' listed 1050-watt inverter/55-amp battery charger #20-1050CUL with internal transfer relay. The inverter shall be mounted in Compartment E.

Does bid comply with specification as written?

Yes No

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7. EMERGENCY WARNING SYSTEMS

7.1 SIREN

The ambulance shall be equipped with hands free electronic siren with silent testing. The siren shall be a Whelen WS-295-HFSA7 Dual Tone Siren. The siren shall be switched through the horn ring, switch on control panel.

Does bid comply with specification as written?

Yes No

7.2 SIREN SPEAKERS

The ambulance shall have two (2) Whelen SA315P 100 watt Siren Speakers mounted on the front grille guard. Speakers to be mounted on the lower cross member.

Does bid comply with specification as written?

Yes No

7.3 AIRHORNS

A Buell 5440 air horn system shall be installed with one 10 inch horn and one 12 inch horn. The compressor shall be mounted in compartment E1. The trumpets shall be mounted through the outer front bumper fog light cutouts I/O siren speakers. The air horns shall be activated by a separate momentary rocker switch in the cab console.

Does bid comply with specification as written?

Yes No

7.4 AUDIBLE ALARMS

An audible alarm shall be activated when an entry or compartment door is opened when ambulance is placed in gear. A backup alarm with a cut off switch shall activate when the vehicle is shifted into reverse. The alarm shall automatically be reset and engage when the vehicle is placed in reverse again. The device must meet OSHA and SAE J994 requirements, and shall be rated (SAE) for Type C.

Does bid comply with specification as written?

Yes No

8. EMERGENCY LIGHTING

All emergency lights shall be equipped with chrome flanges. The color and flash pattern will be finalized at the pre-build conference.

An "Emergency Master" will power the emergency light switches. A primary/secondary switch will operate the emergency lights and a separate switch will operate the corner marker light flashers.

Does bid comply with specification as written?

Yes No

FRONT

The front wall of the module shall have (7) Whelen M9 Series Super LED warning lights with internal flasher, evenly spaced across the top of the module and external condenser.

The (2) outer LED lights will be RED with CLEAR lenses. The center LED light will be CLEAR. The (2) LED lights mounted each side of center clear will be RED with CLEAR lenses. The (2) LED lights mounted in between the RED/BLUE LED lights or angled parts of external condenser shall be RED/BLUE with CLEAR lenses.

Does bid comply with specification as written?

Yes No

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STREETSIDE

There shall be (2) Whelen M9 Series Super LED warning lights with internal flasher on the driver side of the module. (2) RED LED lights with CLEAR lens in the upper corners.

There shall be (1) Whelen M6 Series Super LED warning lights with internal flasher on the driver side of the module, just above the rear wheels. The Whelen M6 will be RED/BLUE with CLEAR lens.

There shall be three (3) Whelen Strip-Lite LED warning lights with internal flasher, mounted in the skirt rail. Two shall be RED with CLEAR lens, one BLUE with CLEAR lens.

Does bid comply with specification as written?

Yes No

CURBSIDE

There shall be (2) Whelen M9 Series Super LED warning lights with internal flasher on the passenger side of the module. (2) RED LED lights with CLEAR lens in the upper corners.

There shall be (1) Whelen M6 Series Super LED warning lights with internal flasher on the driver side of the module, just above the rear wheels. The Whelen M6 will be RED/BLUE with CLEAR lens.

There shall be three (3) Whelen Strip-Lite LED warning lights with internal flasher, mounted in the skirt rail. Two shall be RED with CLEAR lens, one BLUE with CLEAR lens.

Does bid comply with specification as written?

Yes No

REAR

There shall be (2) Whelen M9 Series Super LED warning lights with internal flasher on the rear of the module, (2) RED LED lights with CLEAR lens in the upper corners.

The rear of the module shall be equipped with (3) Whelen M6 Series Super LED warning lights with an internal flasher. These LED lights will be positioned across the top of the rear of the module, above the rear doors. The (2) outside LED lights will be RED/BLUE with CLEAR lens, (1) center mounted LED light will be AMBER with CLEAR lens

This unit shall be equipped with two (2) Whelen M9 Series Super LED's with internal flashers mounted on the rear of the module. There shall be (2) on each side set to show through the upper portion of the rear door windows and be RED/BLUE with CLEAR lens.

There shall be two (2) Whelen M6 Series Super LED warning lights with internal flasher on the rear kick plate just below the rear taillights. These lights will be RED/BLUE with CLEAR lens.

There shall be a Whelen TAL85 LED Traffic Advisor mounted above the rear doors, below the M6 warning and scene lights. The control head shall be mounted in the center front console.

Does bid comply with specification as written?

Yes No

GRILLE LIGHTS

This unit shall be equipped with (4) Whelen M6 Series Super LED warning lights with an internal flasher mounted in the front grille guard in compliance with the OEM chassis manufacturer's guidelines and the lighting requirements of CAAS GVS. These LED lights will be RED with CLEAR lens. Two lights will be mounted on the front of the grille guard, upper cross member. (2) Lights will be mounted on 45 degree brackets on each outer side upright of the grille guard.

Does bid comply with specification as written?

Yes No

INTERSECTION LIGHTS

This unit shall be equipped with (2) Whelen M7 Series Super LED lights (with internal flashers) mounted in the forward area of the chassis front fenders in compliance with the OEM chassis manufacturer's guidelines and the lighting requirements of GAAS GVS. These LED lights will be RED with CLEAR lens.

Does bid comply with specification as written?

Yes No

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9 EXTERIOR AUTOMOTIVE LIGHTING

9.1 EXTERIOR LIGHTING

The basic exterior vehicle lighting shall include headlights, parking lights, directional signal lights, tail and stop lights, license plate light, back-up lights, hazard warning lights, clearance lights and reflectors, as required by F.M.V.S.S. 571.108

Does bid comply with specification as written?

Yes No

9.2 TAILLIGHTS

There shall be a Whelen M6 taillight package installed on the rear of the vehicle. The brake/tail lights shall be M6 series LED with signal alert. The turn signals shall be M6 series LED with sequential arrow shaped design. The backup lights shall be M6 series Max intensity LED. These lights will be mounted above the rear kickplate and have chrome flanges.

Does bid comply with specification as written?

Yes No

9.3 DOT MARKER LIGHTS

The marker lights shall be visible 360 degrees. Three amber LED marker lights shall be installed on the front of the module as clearance lights. Three red LED marker lights shall be installed on the rear of the module as clearance lights. In addition, each corner marker light shall be LED, recessed and visible 180 degrees. Each corner marker light lens cover shall be tilted upward on a 45-degree angle to be visible above the horizontal plane for 360 degrees. These measures will insure the vehicle will be visible in low light conditions with the headlights in the "on" position. Amber lenses shall be installed on the front corners and Red lenses shall be installed on the rear corners.

Does bid comply with specification as written?

Yes No

9.4 MARKER LIGHT FLASHER

The marker lights on each corner shall flash at a high intensity when activated through a separate switch located on the cab console.

Does bid comply with specification as written?

Yes No

9.5 FLOOD AND LOADING SYSTEMS

Four Whelen M9 Series LED Clear scene lights shall be installed. Two floodlights shall be located on each side of the vehicle just below the roof line. The side flood lights shall be controlled from the cab console and be independently switched. The curbside flood lights shall activate when the curbside door is opened regardless of the switch position in the cab. The rear floodlights on both the curbside and street side shall activate then the vehicle is placed in reverse.

Does bid comply with specification as written?

Yes No

Two Whelen, M6 Series LED lights shall be provided above the rear doors and shall illuminate the area surrounding the rear doors. Rear loading lights shall activate automatically when the rear doors are open regardless of the switch position in the cab console. The rear load lights and rearward side scene lights shall be incorporated with the FMVSS backup lighting system.

Does bid comply with specification as written?

Yes No

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9.6 COMPARTMENT LIGHTS

LED Hi-Brite Flex lighting shall be installed in all exterior compartments. The lighting will extend up both vertical edges closest to the door. The lights will activate when the compartment doors are opened.

Does bid comply with specification as written?

Yes No

9.7 RUNNING BOARD LIGHTS

A 4 inch LED light shall be installed on the front stone guards of both the passenger and drivers side front module. The lights shall illuminate the running boards when the cab doors are open. These lights will be wired constant "hot".

Does bid comply with specification as written?

Yes No

10. MODULE INTERIOR

10.1 HEADLINER

The module headliner shall be manufactured out of expanded PVC material. The liner shall be white and installed to allow flush mounting of the interior lighting. The center of the headliner will be a hinged trough that allows access to the ceiling electrical wires and coax.

Does bid comply with specification as written?

Yes No

10.2 MODULE INTERIOR LIGHTING

The interior lighting system shall consist of (8) Whelen LED dual intensity dome lights. (4) Lights shall be located over the primary patient stretcher and (4) over the squad bench and curbside entry door. Curbside and Streetside light switches shall be located in the action area console

Does bid comply with specification as written?

Yes No

LED recessed lighting will run on each side of the hinged ceiling trough. These lights will be CLEAR/RED controlled by a switch in the action area.

Does bid comply with specification as written?

Yes No

10.3 INTERIOR LIGHT TIMER

The vehicle shall be equipped with a 15 minute timer, wired direct to the battery system to allow operation of the Streetside lights while the vehicle is off. This feature will enable personnel to clean and restock the vehicle, but eliminates the risk of leaving the lights on and draining the batteries. The timer shall be located on the curbside wall near the side entrance door.

Does bid comply with specification as written?

Yes No

10.4 CURBSIDE ENTRY LIGHT

There shall be a Whelen 2" LED light mounted in curbside entry door step well. The light shall automatically light when the door is opened.

Does bid comply with specification as written?

Yes No

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10.5 ACTION AREA LIGHTING

A twelve-volt direct current LED light with integral switch shall be provided in the attendant action area. The light shall be an Intertek ZY-PIR38 or equivalent.

Does bid comply with specification as written?

Yes No

10.6 HANDHELD SPOTLIGHT

The cab shall be equipped with a spotlight with a coiled cord that is hardwired to be "Ignition Hot" with the chassis electrical system. The handle shall include a momentary switch. The bulb shall be a 12V - 400,000 candle power sealed beam non-glare bulb.

Does bid comply with specification as written?

Yes No

10.7 CAB MOUNTED FLASHLIGHTS

The cab shall be equipped with two streamlight Survivor angle head LED rechargeable flashlights with chargers mounted.

Does bid comply with specification as written?

Yes No

10.8 ENTRY DOOR WARNING LIGHTS

The curbside and rear entry doors will have three Whelen Micron series LED lights with chrome flange. One light mounted on each entry door. The lights will be mounted on the inside of each door, lower corner opposite of the hinge. These lights will activate when the doors are opened. Color and flash pattern decided at the pre-build conference.

Does bid comply with specification as written?

Yes No

10.9 ACOUSTIC AND CLIMATE INSULATION

MAXIMUM Insulation Package is to be used.

The walls, ceiling and floor shall be insulated with spray expanding foam insulation. The insulation shall be installed under the aluminum floor moisture barrier and between the floor structures and between the structure on the walls and ceiling. The area between the exterior door skin and the inner door panel shall also have expanding spray foam insulation.

Does bid comply with specification as written?

Yes No

The side walls and ceiling shall also be insulated with a reflective insulating material. The reflective insulation shall be installed in addition to any other insulation. The reflective insulation shall include a foil lining on each side with a double layer of bubbles sandwiched between.

Does bid comply with specification as written?

Yes No

10.10 GRAB RAILS

One (1) overhead grabrail shall be installed in the patient compartment head liner. The grabrail shall be yellow powder coated stainless steel and handicapped style with rounded ends.

Does bid comply with specification as written?

Yes No

The module entry doors shall be equipped with stainless steel safety yellow assist grab handle / rails.

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Does bid comply with specification as written?

Yes No

The module will have a 12” handle at the interior curbside entry door and two 12” handles on each side on the interior rear entry doors to aid in exiting and entering the ambulance.

Does bid comply with specification as written?

Yes No

10.11 OXYGEN AND AIR SYSTEMS

The oxygen supply system shall be installed in the patient compartment in compliance with CAAS GVS. The system shall consist of (3) three Ohio style oxygen outlets in raised trim rings. Two outlets shall be located on the action wall and one outlet shall be located on the forward end of the curb side wall above the squad bench.

Does bid comply with specification as written?

Yes No

There shall be a Ziamatic Oxygen cylinder rack mounted horizontal in compartment F. The rack shall slide out and flip down. A fixed 50PSI O2 regulator shall be installed on the oxygen supply line in compartment “F”. Rack shall be sized to properly secure a 200 Cubic foot O2 cylinder with a height of 56” and diameter of 9”.

Does bid comply with specification as written?

Yes No

An O2 wrench shall be tethered in the O2 compartment adjacent to the storage rack.

Does bid comply with specification as written?

Yes No

10.12 SUCTION SYSTEM

A disposable suction canister shall be installed in a recessed cabinet under the action area. The suction pump shall be piped to an SSCOR regulator. The regulator shall be complete with indicator gauge and shall be piped to an Ohio style vacuum inlet mounted in the recessed cabinet. A quick disconnect adapter for the suction canister connection hose shall be supplied with the inlet. One 72 inch patient suction tube with a plastic suction tip shall also be supplied with the system.

Does bid comply with specification as written?

Yes No

10.13 COTS AND COT FASTENERS

The patient compartment shall be equipped with a Stryker Power-LOAD system. The Power Load system shall be wired to a battery hot power source to keep the cot batteries charged.

Does bid comply with specification as written?

Yes No

A Stryker #6506 Power Pro XT Cot with standard features. Additional features include: X-Restraint package, Dual wheel lock, Knee-Gatch/Trendelenburg, Steer lock, XPS G-rated Bolster mattress, 2-Stage IV pole patient right, Power-Load cot compatibility, Head end Oxygen bottle holder, XPS Side rail, SMRT Complete, Pocketed back rest pouch, head end storage flat, Equipment Hook. Includes 3 yr X-Frame Powertrain Warranty and 2 yr Bumper to Bumper Warranty.

Does bid comply with specification as written?

Yes No

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10.14 PLASMA HANGER

There shall be (2) Perco Wall mounted IV hangers with stabilizer straps mounted in the patient compartment. One shall be above the action area and one curbside above squad bench,

Does bid comply with specification as written? Yes No

There shall be one Cast fold down style recessed IV holder. This IV holder shall be located in the ceiling liner, over the rear of the cot.

Does bid comply with specification as written? Yes No

10.15 BASE CABINET KICKPLATES

Brushed stainless steel protection kick plates are to be installed under the Curbside and Streetside base cabinets and are to run the full length of the cabinets.

Does bid comply with specification as written? Yes No

10.16 FLOORING

The patient compartment flooring shall be Lonseal / Lonplate II or equivalent commercial grade, anti-skid flooring material. Color to be finalized at the pre-build conference. The floor sub-structure shall be non-wood.

Does bid comply with specification as written? Yes No

There shall be a stainless steel threshold with anti skid tape at the curbside and rear entry door.

Does bid comply with specification as written? Yes No

10.17 INTERIOR CABINET CONSTRUCTION

The entire interior cabinets, squad bench assembly, CPR seat, shelves and doors shall be constructed of aluminum. The face and inside of the cabinets shall be painted white.

Does bid comply with specification as written? Yes No

C – Channel shelving adjustable track shall be used to secure interior shelving in place. Snap in shelf brackets or shelves that rest on top of an L bracket will not be accepted.

Does bid comply with specification as written? Yes No

10.18 ATTENDANT SEAT

Seating for the attendant shall consist of a contoured high back padded bucket seat. The seat covering shall be an easy clean vinyl material and be impervious to blood borne pathogens and other contaminants. Seating must meet OSHA regulation 1910.1030. The seat belt must be certified to KKK - A1822 - E specification and to FMVSS and shall be an integrated two-point harness. An integrated child safety seat shall be incorporated in the seat. Installation shall comply with FMVSS. The seat shall be mounted on a swivel base.

Does bid comply with specification as written? Yes No

10.19 UPHOLSTERY

The finish of the entire patient's compartment, including storage cabinets and equipment, shall be impervious to soap and water, disinfectants, bio fluids, mildew and shall be fire resistant per FMVSS

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302. Upholstered cushions shall be a minimum of thirty two ounce nylon reinforced commercial vinyl material. Squad bench cushions and attendant seat and backrest cushions shall be fabricated in such a manner to eliminate exposed welting. Cushions with welting or beaded seams shall not be accepted due to the risk of bio fluid penetration. Color is to be finalized at the pre-build conference.

Does bid comply with specification as written?

Yes No

10.20 A-BAR

An A - Bar sharps and trash rail shall be installed at the head of the squad bench

Does bid comply with specification as written?

Yes No

10.21 STEPWELL

The curbside entry stepwell shall be a double step due to the drop skirt making the initial step lower and therefore not ergonomic for entry into the vehicle. The steps shall be approximately equal in rise and run.

Does bid comply with specification as written?

Yes No

11. INTERIOR CABINET LAYOUT – All Cabinets will be CN-10 compliant. (Note this is a possible configuration with the final layout to be determined at the prebuild conference)

11.1 GLOVE BOX HOLDERS

A Glove Box cabinet with a Lexan door shall be installed above the curbside entry door to hold three boxes of gloves.

Does bid comply with specification as written?

Yes No

11.2 CURBSIDE RIGHT FRONT ALS CABINET

The top of the front ALS cabinet shall house Cabinet S. This cabinet will have dual sliding polycarbonate doors and two adjustable shelves. The cabinet will extend over the pass through and be approximately 29 inches high, 52 inches wide and 14 inches deep.

Does bid comply with specification as written?

Yes No

Cabinet E1 is located under upper cabinet S. This cabinet will have dual opening polycarbonate doors and two adjustable shelves. This cabinet will have inside/outside access through compartment A. The cabinet will be approximately 32 inches high, 25 inches wide and 20 inches deep. This cabinet will have a countertop above it extending to Cabinet S.

Does bid comply with specification as written?

Yes No

11.3 BULKHEAD CABINET

The area above the attendant seat and action area will hold the HVAC unit. This will have louvered vents on an angled faceplate.

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Does bid comply with specification as written?

Yes No

A custom cabinet will be installed for a recessed Knox MedVault under the angled HVAC system. A countertop will be behind the attendant seat on top of the Oxygen compartment to hold the Engle Fridge, #MD14.

Does bid comply with specification as written?

Yes No

11.4 SQUAD BENCH AREA

A squad bench shall be provided on the curbside of the vehicle with seating capacity for two people. Restraints shall meet or exceed current FMVSS 210-S5 standards. There shall be a two piece lid, 50/50 hinged for internal storage with pneumatic lifting hold open supports. The squad bench shall include recessed latches to secure the squad bench lids when in the down position. The squad bench shall be furnished with two sets of 6 Point safety belts for seated occupants and three two point belts for the retention of a cot when positioned on the squad bench.

Does bid comply with specification as written?

Yes No

There shall be a cabinet located above the squad bench, Cabinet R1 and Cabinet R2. The cabinet will be approximately 12"H x 7"D and will be as long as the squad bench. The cabinet shall be divided into two sections with hinged Polycarbonate doors. Both doors will have chrome non-locking lever latch and spring hinge hold open hinges.

Does bid comply with specification as written?

Yes No

The squad bench will be a minimum of 72" long. At the head of the squad bench shall be a built in trash disposal area. A trash can shall be accessible under a red flip up lid, and a sharps container's circular opening shall be accessible through a round cutout in the squad bench lid. Both the trash can and the sharps container may be removed from the squad bench by lifting up a sectioned portion of the squad bench lid.

Does bid comply with specification as written?

Yes No

There shall be a plastic vertically hung organizer between the two squad bench seat backs. One acrylic EMS organizer, PD-7 will be used and installed.

Does bid comply with specification as written?

Yes No

11.5 STREETSIDE REAR AREA

In the upper street side rear of the module shall be a cabinet "J" with a hinged Clear Polycarbonate door.

Does bid comply with specification as written?

Yes No

Just under cabinet "J" street side rear of the module there shall be a cabinet to house the auxiliary A/C unit tied in to the second OEM A/C compressor. This cabinet will have a faceplate with two louvered vents.

Does bid comply with specification as written? Yes No

Just under the HVAC cabinet there shall be a cabinet "H" with (1) adjustable shelf and sliding Clear Polycarbonate doors.

Does bid comply with specification as written?

Yes No

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11.6 STREETSIDE CPR SEAT AREA

A CPR seat shall be provided just aft of the Action Area. The seat lid shall be hinged for storage underneath and be held closed with a positive latch. The upper and lower portion of the CPR seat area shall be padded on three sides for additional protection. The CPR shall have a 5" wide telemetry area at the rear with a countertop. It will be 33" wide.

Does bid comply with specification as written?

Yes No

On each side of the CPR seat will be a plastic, vertically hung divider. The forward side will have a Paramedic Designs, PD-1 divider installed and rearward of the CPR seat will be a Paramedic Designs PD-2 divider installed.

Does bid comply with specification as written?

Yes No

11.7 ACTION WALL AREA

There shall be cabinets located over the action area. The cabinet "L" shall be one large cabinet with two adjustable shelves. There will be a sliding Polycarbonate doors on the front.

Does bid comply with specification as written?

Yes No

The attendant switch panel and environmental controls shall be built into a separate angled control panel just below cabinet "L".

Does bid comply with specification as written?

Yes No

There shall be a sealed, solid surface corian type countertop on the forward action area that extends to the CPR seat. Color to be decided at Pre-Build Conference.

Does bid comply with specification as written?

Yes No

11.8 EXHAUST FAN

The patient compartment shall include minimum 100CFM, high output (2) speed exhaust fan.

Does bid comply with specification as written?

Yes No

12. PAINT DECALS AND NOMENCLATURE

12.1 PAINT AND FINISH

The modular ambulance paint finish shall be produced by the application of Sikkens system paint process or equivalent. All bare aluminum shall be coated with a corrosive resistant self etching primer. An automotive urethane sealer shall be used as well as an automotive urethane topcoat. The primer, sealer, and topcoat shall be a minimum of three point three mils thick. A small amount of body filler may be used to smooth imperfections in the aluminum. The vehicle shall meet salt spray resistance and vehicle undercoating as set forth in the CAAS GVS standard.

Compartment and entry doors shall be painted separately from the modular body. The doors shall then be installed on a fully painted module.

The finished paint process shall provide a two-tone color, solid surface paint application. Paint color will be two tone, **GRAY over RED**. Layout design will be provided in the bid packet.

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Dupont Paint Codes

Red Paint Code: B8241EW

Gray Paint Code: B9885EW

Does bid comply with specification as written?

Yes No

12.2 DECALS

A 32" Star of Life shall be installed on the roof of the ambulance.

Does bid comply with specification as written?

Yes No

12.3 GRAPHICS

Graphics will be included in the bid and completed prior to delivery. The graphics will match the current fleet. Pictures provided with the bid packet.

Does bid comply with specification as written?

Yes No

13. MISC.

13.1 FIRE EXTINGUISHER

The manufacturer shall furnish two Fire extinguishers with mounting brackets. Location of the fire extinguishers to be determined at the pre-build conference.

Does bid comply with specification as written?

Yes No

13.2 RADIO INSTALLATION

The manufacturer shall provide and install two Motorola XPR 5550 Radios. One radio will be installed in the front center console and the other radio will be installed in the action area. Both radios will be wired with power and coax. Both radios will have the auxiliary wire to power on and off with the ignition switch. Two Antennas will be mounted on the modular roof and connected to the coax.

Does bid comply with specification as written?

Yes No

13.3 INFECTION CONTROL

The following components will be installed on the ambulance to help prevent the spread of infectious disease and make decontamination of the ambulance more thorough.

The HVAC fresh air intake will have UV lighting to kill airborne particles.

Does bid comply with specification as written?

Yes No

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EXCEPTION TO SPECIFICATIONS AND EQUIVALENCIES

Any exceptions to these specifications including equivalents must be clearly pointed out. Otherwise, it will be considered that the items offered are in strict compliance with the written specifications and that the successful bidder will be responsible for delivering a vehicle meeting these specifications. Any exceptions including equivalents must be marked as such within the body of the bid and explained on this page.