

TO: ALL PROSPECTIVE EMERGENCY VEHICLE VENDORS

FROM: Brady Daigle Operations Manager

SUBJECT: ATTACHED SPECIFICATIONS AND BIDDING

It is the intent of these specifications, and all requirements listed herein, to obtain bids for an emergency ambulance vehicle(s) on one or more new chassis and remount to meet the local needs of the purchaser, and to obtain bids that may be easily, and completely evaluated on an equal and competitive basis.

Because of the wide variances in procedures, types, configurations, and options available in the industry, the purpose of these specifications is to set a standard by which all proposals received may be evaluated, studied and compared equitably. Vendors are required to return one (1) copy of these specifications, correctly and completely furnishing all information requested and answering all questions attached. Any requested data, literature, drawings, etc., and detailed written lists of exceptions taken must be enclosed.

Since bids from a number of suppliers are anticipated, and purchaser cannot be expected to be familiar with all various technical details of all vendors procedures and workmanship, the only adequate method of evaluation will be to compare in this format. Vendors are cautioned that failure to submit proposals in format specified herein will be grounds to reject vendor's proposal and remove bid from consideration.

Bids taking total exception or bids that use the term "intent of" cannot be considered for evaluation.

Any questions for clarifications, etc. should be directed in writing to the above address, and responses will be furnished in writing to all prospective vendors.

It is understood that for the purpose of this specification, "purchaser" shall be: Lafourche Ambulance District #1.

It is further understood that these specifications contain numbered pages that are a total package. This particular bid package contains 25 pages. By signing this bid it is acknowledged that the bidder has received a complete package and is responsible for providing the entire remount as specified within this package. Failure to return all pages of the bid package will make the bidder to be considered non-responsive and the bid will not be considered.

SIGNED: ROBERT W. LOWRIE

DATE: 10-15-23

**NOTICE TO BIDDERS**

**REQUEST FOR BIDS**

**TYPE 3 AMBULANCE REMOUNT**

Bids will be opened at 10:05 am on **10/16/2023** at Lafourche Ambulance District #1, 17078 West Main St, Cut Off, LA 70345. No bids will be accepted after 10:00am **10/16/2023**.

**ONE (1) TYPE 3 AMBULANCE REMOUNT**

Bids shall be on forms prescribed within, and in accordance with detailed specifications, which may be obtained from:

**Lafourche Ambulance District #1  
17078 West main St  
Cut Off, La 70345**

Bid related materials are also available on line via email [lad1bd@viscom.net](mailto:lad1bd@viscom.net) (subject ambulance bid specifications) and electronic bids may also be submitted at [www.Centralbidding.com](http://www.Centralbidding.com)

Sealed proposals should be clearly marked on the exterior envelope “Sealed Bid”, and bids received after the specified date and hour will be returned unopened.

Bids will be opened, read aloud, and may be taken under advisement for up to thirty (30) days to evaluate in detail. Purchaser reserves the right to reject any and all bids and select the proposal bid deemed in the best interest of the purchaser from among those received.

Detailed written technical information, required forms for bidding, and responses will be required from the bidders, as set out in the specifications. Failure of any bidder to furnish all required information will disqualify that particular bidder.

SIGNED: ROBERT W. LOWRIE

DATE: 10-15-23

BIDS SHOULD BE ADDRESSED TO:

**Lafourche Ambulance District #1  
17078 West main St  
Cut Off, La 70345**

**BID PROPOSAL FORM**

NAME OF BIDDER: SOUTHERN EMERGENCY AND RESCUE VEHICLE SALES LLC.

ADDRESS: 15590 FLORIDA BLVD.

CITY, STATE, ZIP: BATON ROUGE, LA 70819

TELEPHONE: 225-933-3910 WATS: 800-800-468-5473

PERSON TO CONTACT REGARDING THIS BID: ROBERT W. LOWRIE

We here with submit and bid as follows:

CHASSIS MAKE/MODEL/YEAR: 2024 FORD E-450 AEV TYPE III

F.O.B. POINT: CUT OFF, LA

DELIVERY (Calendar Days Only): 120 DAYS AFTER RECEIPT OF CHASSIS

PRICE COMPLETE, W/ ALL OPTIONS, AS SPECIFIED: \$ \$239,050.00  
(per vehicle)

TRADE IN ALLOWANCE: 2015 Chevrolet van 4500 Chassis only -\$500.00

BID IS: X As per specifications, taking no exceptions.

       Taking only those specifications exceptions listed by letter attached and referenced to paragraph number specified.

The undersigned bidder agrees that the signature submission of this bid represents the bidder's acceptance of all terms, conditions, and requirements of bid specifications and, if awarded, the bid will represent the agreement between the parties. Additionally, by signing this bid, the bidder warrants that there was no collusion of any kind in submission of this bid.

SIGNED: (sign manually, in ink) \_\_\_\_\_

NAME PRINTED: ROBERT W. LOWRIE TITLE: TERRITORY MANAGER FOR LA & MS

NOTE: All variations and/or exceptions must be listed on attached pages, referencing page and paragraph number from specifications and explained in detail. Failure to so list exceptions will disqualify bid.

By signing this bid, the bidder agrees to extend all pricing, as shown on previous page, for a period of not less than 1 year from date of bid opening for the procurement of additional services during the calendar year. Documented chassis inflation will be accepted.

Lafourche Ambulance District #1 will impose a \$100.00 dollar amount per day penalty past the posted delivery day specified. Delivery extensions will be presented to the Board of Directors for approval.

## **SPECIFICATIONS FOR BID**

Vendor shall attach one (1) copy of entire specification and note compliance with all terms, conditions, and such other information as may be listed below each paragraph.

### **SPECIAL NOTE:**

At the bottom of each paragraph appears the following:

Does your bid comply with this requirement?  
Yes (X ) No ( )

Bidder is required to check one of the appropriate boxes for compliance or non-compliance. Checking a "No" box will not necessarily disqualify the bidder from consideration, but is intended only to provide the purchaser and the purchasers Specification Committee with a means of determining overall compliance and judge whether or not the non-compliance statement will affect the intended function, durability and service required for this purchase.

All paragraphs marked "No" must be referenced and explained in the "Exceptions" section of the bid. Final inspection of the vehicle will be accomplished using these specifications to determine compliance. Therefore, paragraphs marked as complying will be inspected as such.

## **SECTION 2 - GENERAL TERMS AND CONDITIONS**

- 2.1 **Scope:** This specification covers a remount of an emergency vehicle of the type specified in the Ambulance Design Criteria of the National Highway Traffic Safety Administration, U.S. Department of Transportation, Washington, D.C. This specification is based upon compliance to minimum standards as outlined in the most current revisions of the Federal Ambulance Specification KKK-A-1822D, and may reference specific paragraphs throughout these specifications. It is the intent to purchase a complete vehicle that complies with these minimum standards, and other Federal referenced standards in effect at time of issuance. Where these specifications do not reference any specific section of the KKK-A-1822D document, that is not to be construed that the paragraph is not required for compliance. However, where specific requirements are spelled out in this specification, they will supersede those referenced in the KKK-A-1822D document.

The bidder shall point out any discrepancies in this specification document that may violate any FMVSS or state government licensing requirements. Failure of a vehicle to be certified due to omission or violation of these requirements will be the liability of the vendor.

Does your bid comply with this requirement?  
Yes (X ) No ( )

2.2 Purpose - The purpose of these specifications are to provide a properly constructed emergency vehicle which shall be easily maintained and constructed to a quality standard which shall insure maximum service life, level of quality and above all operational safety during the provision of emergency care to the general public.

Does the bidder recognize this requirement?  
Yes (X) No ( )

2.3 Contract - These specifications shall become a part of the final contract. There is no intention to disqualify any bidder who meets the minimum requirements of these specifications. It should be noted, however, that this specification is written around specific needs of the purchaser. As a result, price alone will not be the primary consideration in the final bid award. Purchase will be made from the vendor whose bid exhibits and meets all established minimum requirements, at the most competitive price.

Does the bidder recognize this requirement?  
Yes (X) No ( )

2.4 Comparison - Each vendor must comply with the following:

- A. In order that an equal and uniform comparison may be made, all bids must be submitted in the exact chronological format herein outlined on this bid proposal form and signed by an authorized officer of the bidding company. Bidders standard proposal and/or contract documents will not be considered in lieu of bid proposal format herein required. Purchaser will not attempt to decipher various manufacturers proprietary specification documents, etc. in an effort to determine compliance with all items required herein, and to make a determination if all bidders are bidding equal components and quality.
- B. These specifications are intended to provide a common standard to which all vendors shall comply. For this reason, the bidder must respond to each individual item in the checklist by indicating "Yes" or "No" where indicated. Failure to do so will disqualify the bid.
- C. If the bidder is not going to furnish the item exactly as described in these specifications, he must indicate a deviation even though he may feel he is exceeding what is described. For each deviation taken, the bidder must include sufficient data of the intended substitution for a proper evaluation to be made. Terms such as "to the intent of" will not be acceptable and may deem the bid unacceptable for evaluation.

Does bidder recognize these requirements?  
Yes (X) No ( )

2.5 Vendors Ability, History & Service Capabilities - Each bidder shall indicate, on a separate sheet, the nature and extent of service capabilities and his ability, experience and history in the ambulance industry. Vendors shall be experienced in the supplying and servicing of such

highly technical vehicles for a period not less than three years. To verify the vendor's abilities, a complete list of all like ambulances delivered by the vendor over the past twelve months must be included with the bid. This list is to contain the agency name, address, contact and contact telephone number for random verification.

Is this list enclosed with the bid?

Yes (X) No ( )

- 2.6 Descriptive Materials - Descriptive material such as plans, drawings, photographs, diagrams, illustrations, written descriptions, and manufacturers literature which will enable the purchaser to determine the exact quality, design, and appearance of the apparatus proposed, shall accompany the bid. All equipment listed, or shown, in the manufacturer's literature, drawings, or photographs, and approved by purchaser shall be furnished.

Has the bidder included with information?

Yes (X) No ( )

- 2.7 Complete Ambulance - This bid is for a complete ambulance, so far as is outlined herein. No omissions shall be permitted, and ambulance shall be complete, serviced, and ready to use upon delivery. Minor details assumed to be furnished shall be included. Lack of a specific reference in these specifications shall not constitute excuse from such omission from final delivered ambulance.

Does the bidder recognize this information?

Yes (X) No ( )

- 2.8 Vendor Liabilities - Successful bidder assumes all liability for patent infringements, trademarks, etc., if any, in construction of the ambulance outlined herein and shall deliver the ambulance free of all liens. The chassis original manufacturer's statement of origins, properly assigned to purchaser, shall be furnished upon completion of contract, acceptance and final payment. Payment will be made promptly after final acceptance. Bidders are cautioned that a certificate of origin from the vendor only is not acceptable. Bidders are required to install a Final Stage Manufacturer Sticker in the appropriate location as required by Federal Law. In addition, vehicle must be tested and certified in compliance with the electrical load(s) capacity requirements of National Truck Equipment Association (NTEA) Ambulance Manufacturer's Division Standard 005 – Ambulance 12 Volt DC Electrical Systems and proper vehicle sticker attached to unit.

Does the bidder recognize this requirement?

Yes (X) No ( )

- 2.9 Production Schedule – All bidders must provide a detailed production and delivery schedule with their bids. Schedule should describe time/dates for delivery of chassis to bidder, all phases of production dates, and dates/times Lafourche Ambulance District #1 can expect delivery of vehicle.

Does your bid comply with this requirement?  
Yes (X ) No ( )

- 2.10 Warranty – Standard manufacturer’s warranty from the date of acceptance shall warrant that work performed under this contract conforms to the contract requirements and is free of any defect of equipment, material, or workmanship performed by the Bidder/Manufacturer, or any of his subcontractors or suppliers. Under this warranty the Bidder/Manufacturer shall remedy, at his own expense, any such failure to conform or any such defect. Nothing in the above intends or implies that this warranty shall apply to work arising from damage, abuse, or neglect by the Lafourche Ambulance District #1. A copy of Manufacturer’s warranty shall be included with bid.

Does your bid comply with this requirement?  
Yes (X ) No ( )

- 2.11 Affidavit of Pending Litigation – Each bidder shall include a notarized affidavit disclosing any pending or anticipated litigation between the Bidder and any other party or parties that might affect this contract.

Does your bid comply with this requirement?  
Yes (X ) No ( )

2.12 Bidding Practices:

- A. Bids must be held firm for a period of not less than 60 days to permit examination and comparison, unless otherwise specified.
- B. No bid may be withdrawn, modified, or otherwise changed once the bids have been opened. It will be assumed that each bidder has thoroughly and completely familiarized themselves with these specifications at time of bid. Modifications to a bid, once submitted, will not be permitted. Simply stated, if any item, feature, option, etc. is not stated in writing in bidder’s proposal, it will not be considered. Bidders are cautioned that verbal or written modifications to already opened bids are neither valid, or considered ethical, and the comparison and selection of bid award will proceed only from what is stated in bidders written proposal.
- C. These specifications have been prepared after due consideration by purchaser and alternate bids may not be permitted.
- D. Purchaser reserves the right to reject any or all bids, and to determine the proposal deemed in the best interest of purchaser from among those timely and properly submitted, in accordance with these specifications and the laws of this state. Lowest bid, while a major consideration, will not govern the purchase wholly. Bid award will be made from all considerations such as quality, conformance with these specifications and completeness of proposal.

- E. By signing this bid, the bidder has agreed to all terms and conditions of this specification, except as noted separately.
  
- F. Pre-Build Conference - Successful bidder may be required, prior to issuance of a final contract, to have a Pre-Build conference, which can also be classified as a Post-Bid Conference. Bidder must be present in person to finalize all details and answer any final questions purchasing and specification committee may have regarding the bid proposal submitted. No contract or authorization to begin construction will be authorized until such time as this conference is scheduled or determined not to be necessary. All necessary materials and final drawings required in this contract will be required to be presented at this meeting, if not required prior to the bid opening.

Due to the complex nature of the vehicle being built, and to assure that there is no misunderstanding as to what is being requested by this agency, each bidder is required to carefully inspect all options requested. If vendor finds conditions that disagree with the physical layout as described in this bid, or other features of the specifications that appear to be in error, same shall be noted on proposal. Failure to do so will be interpreted that the bid is as specified.

Questions in reference to the specifications: There may be questions or errors to the specifications. All questions must be in writing, anyone that has requested a bid package will receive notification of the question and answer, that was presented. Questions should be emailed to [lad1bd@viscom.net](mailto:lad1bd@viscom.net) with the subject 2023 ambulance remount. All bid packages should be requested by email [lad1bd@viscom.net](mailto:lad1bd@viscom.net) to assure contact with every intended bidder.

Vendor may contact Brady Daigle at (985) 637-1665 to schedule inspection date and time.

This signed statement certifies that the vendor named below is familiar with all conditions surrounding fulfillment of the specifications for this project.

SOUTHERN EMERGENCY AND RESCUE VEHICLE SALES LLC  
 VENDOR’S COMPANY NAME

LAFOURCHE AMB SERVICE  
 AGENCY’ NAME

\_\_\_\_\_  
 VENDOR’S SIGNATURE

\_\_\_\_\_  
 AGENCY’S SIGNATURE

2.13 Delivery Inspection Procedure - Upon arrival, vehicle purchased will be inspected, using this specification document, and each and every item and paragraph of the specifications attached will be checked, line by line, for compliance. No deviations from this specification will be permitted unless vendor has submitted such proposed deviation in detailed writing with this bid proposal and such exceptions are granted.

Does the bidder recognize this requirement?  
Yes (X ) No ( )

2.14 Liability Insurance - Each bidder shall submit proof of Liability Insurance in the amount of \$1,000,000 (one million dollars). This insurance must be currently in force and be good for duration of ambulance build. If there is an insurance lapse during the contract the bidder shall be required to show proof of a renewal policy prior to payment. Failure to do so will render bid non-responsive and the bid shall be thrown out.

Does your bid comply with this requirement?  
Yes (X ) No ( )

2.15 Previously used unit: Complete unit must be towed from Galliano, LA to Prospective bidder's work location. Towing charges shall be included in the prospective bid and the responsibility of the bidder.

Does your bid comply with this requirement?  
Yes (X ) No ( )

**SECTION 3 – SPECIFIC WORK TO BE PERFORMED**

3.1 Module Mounting- Bidder shall secure module to the new chassis according to industry standards.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.2 Paint-Module is to be painted the chassis color O.E.M. white. The paint should be laid flat, orange peel free with a mirror like shine. Roof paint, color match the sides.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.3 Decals-Decals and vinyl wrap of high reflective graphics will be included in the bid. Graphic design to be according to our current adopted fleet graphics.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.4 Air Conditioning-Replace unit, all components and hoses ducted through ceiling module Air Conditioning/Heat System.

Does your bid comply with this requirement?

Yes ( X ) No ( )

3.5 Exterior Lighting- Replace all LED lighting (emergency and flood lighting). Emergency flashing rub rail lights x3 red/white each side with x2 floodlights lighting the ground each side. Rear lighting to include blue lights interchanging with red. All clear lenses.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.6 Wheel Simulators- 4 New Chrome Simulators. Rear valve stem extensions removed.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.7 Exterior Aluminum-Replace and install all exterior aluminum. This includes rub rails, running boards, steps, rear bumper, and fuel doors.

Does your bid comply with this requirement?

Yes (X) No ( )

- 3.8 Accessory systems- Rearview backup-left-right-patient compartment cameras, 360 view and 7” monitor mounted on windshield, power locking system for all module doors with exterior hidden unlock button, lighted company logo at each entry module door, main oxygen bottle electric lift.

Does your bid comply with this requirement?  
Yes (X) No ( )

- 3.9 Rear Suspension – Leaf spring suspension type system.

Does your bid comply with this requirement?  
Yes (X) No ( )

- 3.10 Console Conversion- pre-wired to power x2 radios and complete with x2 cup holders and clipboard slot.

Does your bid comply with this requirement?  
Yes (X) No ( )

- 3.11 Sirens- replace sirens to be the x2 CPI through bumper style sirens, Whelen siren/amp controller x2, Howler deep tone sirens x2 .

Does your bid comply with this requirement?  
Yes (X) No ( )

- 3.12 Module Interior- Replace all LED lighting, Timer controller so that center lights operate when unit is off, captain’s seat with child seat option, CPR seat, recessed center grab bar, 72” head room in rear module, electronic time clock with a second’s indicator mounted to rear wall over doors, module layout is to accommodate x2 lying flat patients, stretcher mounts capable to place stretcher in the center position, unit inverter suction aspirator, oxygen outlets-2, IV holders-2.

Does your bid comply with this requirement?  
Yes (X) No ( )

- 3.13 Electrical- TST Commander 357 battery disconnect, battery charger – 45amp w/ Inverter, 125 VAC outlets – 2, 12 VDC outlets- 2, USB port dual 2amp action wall, handheld spot light.

Does your bid comply with this requirement?  
Yes (X ) No ( )

3.14 Entry key pads, (replace) located on box front, near driver's door, left of curbside box door and install an additional key pad right of rear door.

Does your bid comply with this requirement?  
Yes (X ) No ( )

3:15 Fenderettes: Replace rubber fenderettes.

Does your bid comply with this requirement?  
Yes (X ) No ( )

3:16 AUXILIARY CONDENSER: The module A/C system shall employ a separate condenser for the rear HVAC system. The condenser shall be through bolted to brackets that are welded to the body under the Street side M-2 compartment. Two electric cooling fans shall be mounted to the core assembly and blow toward the road. The condenser fans shall come on when either the cab or the patient cabin A/C unit is turned on. Fan blades shall be protected by a high impact resistant grille work that is molded into the fan body. All fan wiring shall be routed, secured and protected from road hazards. The condenser body shall not fall within the vehicles maximum ramp break over angle.

Does your bid comply with this requirement?  
Yes (X ) No ( )

3.17 Upholstery: Repair all upholstery and body damage to module, including roof.

Does your bid comply with this requirement?  
Yes (X ) No ( )

3.18 CAMERA MONITOR SYSTEM: There shall be installed a Backeye 360 intelligent four camera system with digital processor and monitor. The images from the cameras shall be captured, processed and video stitched to result in a birds eye 360 degree view within a single image. This system is designed to assist in low speed maneuverability by providing the driver with real time complete surround view of the vehicle in a single image.

DIGITAL VIDEO RECORDER; There shall be installed a solid state drive Brigade model 5129 digital video recorder to capture information as provided by the separately purchased camera systems. This recorder is capable of capturing up to 8 channels of information, provided upon the purchased adapters and cameras separately. The system features WI-FI connectivity to the

agency's properly configured system to view the images. The system can record all eight channels simultaneously. The system can provide up to 1862 hours of recording time. The system shall provide pre and post-trigger recording of up to 60 minutes preceding or following an incident. The system has Built in GPS for recording speed and location. The system has built in G-sensor to provide impact data and accelerating and braking. Footage is protected by a non-visible digital watermark. The WIFI is location based for example fleet or station house only.

INTERIOR CAMERA: There shall be an interior camera (low profile) non recorded mounted in the patient area, near counter sank above cot. The system shall include all the necessary cables and adapters to connect the system together with power as needed. Does your bid comply with this requirement?

Yes (X ) No ( )

Does your bid comply with this requirement?

Yes (X ) No ( )

3.19 Switches and panels: Replace switches and switch panels front and rear.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.20 Oxygen compartment : Oxygen compartment to be cleaned and restored to function as new. Oxygen lifting system to be serviced and restored to near new condition.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.21 Flooring: Flooring to be replaced with exact type and color flooring.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.22 Electric door lock: All electric door actuators should be replaced. Handles and Locks should function and look like new.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.23 Sharps container: Retro fit sharps container holder to hold Covidien Sharps Container reference number, 85131.

Does your bid comply with this requirement?

Yes (X ) No ( )

3.24 Cot Mount: Module floor shall be prepped for Styker Cot loader. Loader, provided by customer, shall be installed by bidder.

Does your bid comply with this requirement?  
Yes ( X) No ( )

Any exceptions taken :

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Note: Substitutions of makes/brands acceptable and should be of same quality and function for anything listed in this bid.



## CHASSIS REQUIREMENTS OUTLINE

2023 or newer Chassis, 2 door cutaway ambulance chassis, 450 or 4500 Van (1 ¼) ton, DRW, Gas.

Body Color OEM White

High Trim exterior upgrade package

|-- Engine: Gas preferred with highest MPG rating available

|-- Engine Block Heater: OEM if available

|-- Transmission: Heavy Duty Automatic with overdrive

|-- Cab Interior Color: Gray

|-- Cab Seats, Driver/Pass: OEM Captains' Chair – Cloth or Vinyl, Inboard armrests

|-- GVWR: 11,500 pounds

|-- Cab Floor: Rubber Mat

|-- Brakes, 4-Wheel Disc/Anti-lock, Power Assist

|-- Tilt Steering Wheel w/ Speed Cruise Control OEM

|-- Passenger air bag cut-off Switch

|-- Cab Door Locks and Windows: Power

|-- Power Door Locks Remote Fob, OEM Pkg

|-- Front stabilizer (Sway) Bar: OEM, 1.00 inch bar diameter min.

|-- Fuel Tank: Highest Capacity, Aft Axle, OEM

|-- Rear Axle: 4.56:1 Ratio w/Limited Slip or as supplied O.E.M.

|-- Tire, SPARE: All season, Random Make LT225/75R16, LR E

|-- Location: Shipped Loose

|-- Jack and Tire Tools: Ship Loose

|-- Tires: (6) All season, Random Make LT225/75R16, LR E

|-- Ambulance Prep Package/Equivalent

|-- Alternator: OEM, Single, Highest Amp Heavy Duty

|-- OEM Throttle Control High Idle option.

|-- AM/FM/Blue Tooth with Input Jack OEM w/ 2 cab speakers and hands free telephone operation.

|--REAR STABILIZER BAR: A one- and one-half inch diameter, after market replacement anti-sway bar shall be supplied. This bar is larger in diameter than the OEM Rear anti-sway bar. The bar shall regulate body shift and enhance drivability, handling and control. The solid torsional spring steel bar shall be attached at two points on the rear axle and two points on the vehicle frame.

| The OEM Down link and natural rubber bushings shall be replaced with heavy duty down links with rubber bushings, through bolted the web of the vehicle frame. Urethane bushings at all four connection points shall be encased with U-shaped, heavy duty two bolt brackets.

|--CAB DOOR STRAPS: The cab doors shall have a pair of door straps. The straps shall be constructed of the same webbing material as seat belts. They shall be looped and sewn to allow the full tension of the door to be applied. The loops shall be fed through coated steel "U" shaped bracket.

|--HIDDEN DOOR LOCK SWITCH: A weather proof momentary switch shall be installed, concealed from view, in grill.

|--CHASSIS MAKE: The apparatus shall be mounted on a commercially available cut-away cab and chassis. The chassis manufacturer shall be the vehicle's point of origin. The chassis shall be supplied by the OEM as an incomplete vehicle to the successful ambulance manufacturer. The chassis supplied shall conform to all applicable Federal Motor Vehicle Safety Standards in force at the time of manufacture. A statement of conformity shall be supplied with the chassis in an "Incomplete Vehicle Manual".

|--CHASSIS MODEL: The apparatus shall be mounted on a 2023 or newer type 450 or 4500, cutaway van cab, dual rear wheel, two-wheel drive chassis equipped as follows below.

|--Wheel Base: The wheel base should be 158 inches with a cab to axle dimension of 100 inches. The wheel base shall be factory supplied by the OEM. Modified wheel bases made from chassis with shorter or longer wheel bases is not acceptable.

|--OEM: The OEM is the chassis manufacturer and the vehicles Make Origin.

|--TRIM PACKAGE: The highest level trim package shall be supplied from the OEM. The package shall include high quality chrome like bright work on the grille face. Chrome plated steel bumper(s) shall also be supplied by the OEM. Argent or painted bumpers are not acceptable. The OEM grille work shall remain OEM. Aftermarket vacuum formed proprietary grille work made by the ambulance manufacturer is not acceptable due to replacement part cost and lack of immediate availability.

|-- ENGINE: The largest OEM engine available with the ambulance cut away package. The engine performance shall comply with or exceed the most current revision of KKK-A-1822.

|--ENGINE BLOCK HEATER: A 750 watt 125 volt AC Engine Block Heater package shall be included on the chassis as installed by the chassis OEM manufacturer. It shall remain an independent function requiring manual power connection by the user per the manufacturer's owner's manual. After-market systems will not be acceptable.

TRANSMISSION: A 6-speed, automatic with overdrive transmission shall be provided. A Tow/Haul selectable mode shall be provided that compensates for altitude, grade and load conditions.

GROSS VEHICLE WEIGHT RATING (GVWR): The GVWR of the chassis supplied shall be at least 14,500 pounds.

FRONT AXLE WEIGHT RATING (FAWR): The FAWR shall be rated no less than 5,000 pounds.

REAR AXLE WEIGHT RATING (RAWR): The RAWR shall be rated no less than 9,600 pounds.

CAB INTERIOR COLOR: The color of the cab interior shall be grey. All conversion manufacturers' added consoles and devices shall be pleasing in color with the interior color provided by the OEM.

**REAR SUSPENSION - SPRINGS:** The unmodified OEM springs shall be supplied. The springs shall be single stage, constant rate leaf type with a combined 9,450-pound rating, measured at the ground.

**CAB FLOOR COVERING:** The cab floor shall be covered with an OEM black rubber mat.

**BRAKES:** 4-wheel anti-lock, power assisted hydraulic brakes shall be supplied by the OEM. The brakes shall be 4-wheel Disc type with Dual piston calipers. The front disc diameter shall be 13.03 inches in diameter and the rear disc shall be 12.90 inches in diameter. The parking brakes shall be a foot operated, independent mechanical drive line brake, provided by the OEM.

**TILT STEERING WHEEL:** The steering wheel shall be tilt adjustable. An easy to operate, column mounted pull to adjust lever shall lock the steering wheel angle position.

**SPEED CONTROL:** Speed Control option shall be ordered on the chassis. OEM.

**INTERIOR UPGRADE PACKAGE:** Interior upgrade package shall be ordered and supplied on the chassis. This package shall include:

Cloth Headliner

High trim door panels

High back bucket seats

Cloth sun visors

Power Door locks

Power Windows

Insulation package

**DOOR LOCKS:** The chassis shall have OEM power door locks. There shall be two remote OEM key fobs included with the package.

**DAYTIME RUNNING LIGHTS:** Daytime running light shall be supplied and installed by the OEM. Both headlights shall come on with the ignition switch.

**SHOCK ABSORBERS:** The chassis supplied shall be equipped with one shock absorber for each side of each axle. An OEM selected one and three eighth (1-3/8") inch gas type shock shall control vehicle spring oscillation and dampen road related jounce and harshness. Ambulance related shields, floor members or other devices shall not interfere with shock replacement.

**FUEL TANK:** The fuel capacity shall be at least 55 US gallons. The fuel range shall be at least 250 miles per current KKK-A-1822.

**REAR AXLE TYPE AND RATIO:** The axle type shall be a Limited Slip Differential with a 4.56:1 gear ratio.

**SPARE TIRE:** One (1) spare tire and wheel assembly shall be supplied. When the tire is to be carried on the unit, the tire hold down shall meet current KKK-A-1822. OEM tire tools shall be provided with the spare.

**SPARE TIRE STOWAGE LOCATION:** The spare tire and wheel assembly will be installed in the Left rear compartment of the ambulance body. The spare tire and all the related tools shall be installed in the compartment with the completed vehicle.

**TIRES:** All tires shall be identical make, tread type, size and load range. For GVWR the tires shall be LT225/75R16 load range E. All tires shall be balanced per current KKK-A-1822.

**ALTERNATOR - CHARGING SYSTEM:** Single alternator option shall be supplied and installed by the OEM. The single alternator shall have an output of 240 amperes, measured with an under hood temperature of 200 degrees Fahrenheit. The alternator shall be controlled by the vehicle on board computer. The alternators' output cable, originally connected directly to the positive post of the under hood battery, shall be rerouted to a 3/8" diameter, solid brass junction post. A 2/O positive battery cable shall reconnect the alternator to the batteries from the junction post. The ambulance load cable shall connect under the hood to the aforementioned junction post.

**SIDE REAR VIEW MIRRORS:** Dual OEM Mirrors with power adjusted mirror glass and manually telescoping mirror heads shall be mounted to the forward, lower corner of the cab door window. Both mirrors shall feature a bi-directional break-away function to permit folding the mirror heads against body in close quarters. The mirrors shall be seven inches wide by eight inches high and flat on both right and left sides. Convex mirrors shall be provided below each flat glass area on both sides to minimize blind spots.

**REAR SUSPENSION - SPRINGS:** The unmodified OEM springs shall be supplied. The springs shall be single stage, constant rate leaf type with a combined 9,450-pound rating, measured at the ground.

**WHEEL/RIM APPEARANCE:** All four outside chassis wheels shall be covered in polished stainless steel wheel simulators. The wheel simulator design shall not affect tire and wheel balance when the vehicle is driven between zero and eighty miles per hour. The lugs shall be capped off with bright stainless steel, snap on caps designed to cover wrench marks, normally left on the lug nuts.

**SHOCK ABSORBERS:** The chassis supplied shall be equipped with one shock absorber for each side of each axle. An OEM selected one and three eighth (1-3/8") inch gas type shock shall control vehicle spring oscillation and dampen road related jounce and harshness. Ambulance related shields, floor members or other devices shall not interfere with shock replacement.

**FRONT STABILIZER BAR:** A one and three eighth inch diameter, after market replacement anti-sway bar shall be supplied. This bar is larger in diameter than the OEM E-450 Bar. The bar shall regulate body shift and enhance drivability, handling and control. The solid torsional spring steel bar shall be attached at two points on the front axle and two points on the vehicle frame. The OEM Natural rubber bushings shall be replaced with Urethane bushings at all four connection points. The two removable bushings shall be encased with U-shaped, heavy duty two bolt brackets.

**REAR STABILIZER BAR:** A one- and one-half inch diameter, after market replacement anti-sway bar shall be supplied. This bar is larger in diameter than the Rear anti-sway bar. The

bar shall regulate body shift and enhance drivability, handling and control. The solid torsional spring steel bar shall be attached at two points on the rear axle and two points on the vehicle frame. The OEM Down link and natural rubber bushings shall be replaced with heavy duty down links with rubber bushings, through bolted the web of the vehicle frame. Urethane bushings at all four connection points shall be encased with U-shaped, heavy duty two bolt brackets.

**SPARE TIRE:** One (1) spare tire and wheel assembly shall be supplied. When the tire is to be carried on the unit, the tire hold down shall meet current KKK-A-1822. OEM tire tools shall be provided with the spare.

**SPARE TIRE STORAGE:** A full size, fully inflated spare tire shall be stored in the left rear compartment. The tire and wheel assembly shall be fastened to the compartment wall utilizing a winged fastener or a nut that can be removed with the tire iron. A jack and tire tools shall also be provided and clamped into place.

**THROTTLE CONTROL:** There shall be a set of diodes and resistors connected to OEM provided wiring to activate the High Idle function when conditions are met. When the vehicle is in Park, parking brake engaged, and the coolant has reached 140 degrees Fahrenheit the high idle system shall activate during a low power indication.

**CAB STEREO:** An OEM AM/FM in dash radio and two cab door speakers shall be included with the chassis. The radio features a clock and auxiliary input jack, blue tooth and hands free operation.

**CAB DOOR STRAPS:** The cab doors shall have a pair of door straps. The straps shall be constructed of the same webbing material as seat belts. They shall be looped and sewn to allow the full tension of the door to be applied. The loops shall be fed through coated steel "U" shaped bracket and then interred and bolted into place the door and the jamb. These door straps shall alleviate tension from the cab door hinges during full extension.

**TIRE PRESSURE MONITORING SYSTEM:** There shall be a sensor on each tire valve that is wireless to a receiver which visually will tell the driver pressure and temperature of each tire. Each sensor is designed to allow air filling without removal. The internal battery has a seven-year life for worry-free longevity. The display is installed in plain view of the driver.

**CHASSIS AXLE DIGITAL ALIGNMENT:** The manufacturer shall perform an alignment analysis of the chassis after the ambulance conversion is completed. The chassis shall be located onto an

integrated four-wheel digital alignment system. The specifications for the specific model year and make of the chassis shall be recalled from the computerized memory system. Independent mobile targets shall be affixed to each wheel. The computerized system of four digital cameras shall interact with the affixed four targets on the wheels to provide precise wheel alignment readout. The alignment readings shall be recorded prior to any adjustment. The alignment shall be analyzed against the specifications for the chassis and the allowable tolerances. If the system registers a reading outside of the allowed tolerance for the chassis, the chassis shall be adjusted as allowed by the OEM chassis manufacturer. The adjustment procedure per wheel location shall follow the allowed OEM manufacturer's recommendations. The alignment of the chassis at all four wheel locations after the alignment adjustments shall be viewed again by the operator and recorded for the unit. The alignment results shall be provided for each completed vehicle upon delivery.

**DOCKING BUMPERS:** The rear bumper shall be equipped with natural, black rubber dock bumpers. The bumpers shall measure 2 ¼ inches high by 16 inches long by 2 inches thick. The bumpers shall be through bolted to each pontoon with three (3) 3/8 diameter, grade 8 bolts. The bolts shall be counter bored into each dock bumper. Each mounting hole shall be reinforced with a counter bore diameter, thick flat washer. Each bolt shall be threaded into a spiral lock flanged nut or approved equal.

**CARBON FILTER:** The return air grille shall be supplied with a pre carbon filter that is designed to fit the slot within the grille. It shall be installed and shall not rattle. The filter shall be replaceable and/or cleanable by this department's fleet maintenance in the field.

**ADDITIONAL HEPA FILTER:** An additional HEPA filter that is designed to fit the slot within the grille shall be installed with the ambulance at delivery. It shall be installed and shall not rattle. The filter shall be replaceable and/or cleanable by this department's fleet maintenance in the field.

**CAMERA MONITOR SYSTEM:** There shall be installed a Backeye 360 intelligent four camera system with digital processor and monitor. The images from the cameras shall be captured, processed and video stitched to result in a bird's eye 360-degree view within a single image. This system is designed to assist in low-speed maneuverability by providing the driver with real time complete surround view of the vehicle in a single image.

**DIGITAL VIDEO RECORDER;** There shall be installed a solid state drive Brigade model 5129 Digital video recorder to capture information as provided by the separately purchased camera systems. This recorder is capable of capturing up to 8 channels of information, provided upon the purchased adapters and cameras separately. The system features WI-FI connectivity to the agency's properly configured system to view the images. The system can record all eight

channels simultaneously. The system can provide up to 1862 hours of recording time. The system shall provide pre and post-trigger recording of up to 60 minutes preceding or following an incident. The system has Built in GPS for recording speed and location. The system has built in G-sensor to provide impact data and accelerating and braking. Footage is protected by a non-visible digital watermark. The WIFI is location based for example fleet or station house only.

**INTERIOR CAMERA:** There shall be an interior camera (low profile) mounted in the patient area, hidden from plain view. The system shall include all the necessary cables and adapters to connect the system together with power as needed. Non recorded camera.

**PLASTIC VENTILATED COMPARTMENT TILE:** A plastic color keyed, ventilated tile shall be installed on all compartment floors and shelves. The tile is to be designed to keep equipment off the floor or shelf to promote drying of wet equipment.

**COMPARTMENT TILE EDGING:** The same material shall mate to the outer edge of the compartment tile and shall taper to the front edge for a smooth transition.

**MONITOR BRACKET:** A Technimount Pro Serie 35 crashworthy bracket shall be provided. The bracket shall fit a Lifepak 15 Monitor. The bracket system shall be mounted on customer supplied Stryker Power Cot with IV adapter and Knee Gatch by vendor. All base, bracket, IV Pro Adapter, Safety arm parts shall be included and installed. Technimount Pro Serie 35 will be Provided by Lafourche Ambulance District #1.

**MONITOR BRACKET Mounting:** The above-mentioned bracket shall also be attached to the interior cabinetry in the extended action area of the patient compartment. It shall be attached in such a manner as to prevent detachment in the event of an accident and shall include all adapters and spacers needed for proper movement and placement.

Does your bid meet exactly as specified      YES\_XXX\_\_ NO\_\_\_\_\_





Exceptions Listed:

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