

# **MONROE COUNTY**

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## **MONROE COUNTY BOARD OF COMMISSIONERS**

### **INVITATION TO BID**

#### **FOR**

**THE PURCHASE OF TWO NEW 2016/2017 R13 GMC OR  
CHEVROLET TYPE III AMBULANCES WITH NEW EMISSIONS  
CHASSIS OR GASOLINE ENGINES FOR THE  
MONROE COUNTY AMBULANCE SERVICE**

**BID NUMBER – CGD1053-11-17**

**Monroe County Department of Finance  
103 College Street South Ste 9  
Madisonville, Tennessee 37354  
(423) 442-9383**

**Monroe County Board of Commissioners**  
**Madisonville, Tennessee 37354**  
**(423) 442-9383**

**Bid Prepared By:**

**Invitation to Bid Number:**

**Monroe County Finance Department**

**CGD1053-11-17**

**November 16, 2017**

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Sealed bids, subject to the specifications and conditions contained herein and attached hereto, will be received in the Finance Department, J.P. Kennedy Building, until, but no later than **10:00 A.M. (EST.)** local time prevailing, **November 16, 2017**, and then publicly opened and read for the Purchase of Two New 2016/2017 R13 GMC or Chevrolet Type III Ambulances with New Emissions Chassis or gasoline engines for the Monroe County Ambulance Service, as authorized by the Monroe County Board of Commissioners.

No bid can be withdrawn after the scheduled closing time for receipt of bids for sixty (60) calendar days.

To be considered, your bid must be submitted on the copy of this Invitation to Bid. Bidders shall sign this form in the space provided and submit bid document to Monroe County Department of Finance, 103 College Street South Ste. 9, Madisonville, TN 37354. Bids shall be returned in the enclosed bid envelope, properly completed and sealed. Bids will not be accepted via fax machine or e-mail.

Time is of the essence and bids received after the announced time and date for submittal, whether by mail or otherwise, will be rejected. The date and time stamp in the Finance Department shall determine the time of receipt. Bidders are responsible for ensuring that the Finance Department personnel stamp their bids before the deadline indicated. Late bids received will be so noted in the bid file in order that the vendor's name will not be removed from any future bid/vendor list.

If you desire not to quote on the Invitation, please forward your acknowledgment of NO BID. Return of the "Terms and Signature Sheet" with authorized signature and indication of NO BID is appropriate. Failure to comply may cause for removal of your company's name from the bid list for subject commodity.

It is the policy of Monroe County, Tennessee to ensure compliance with Title VI of the Civil Rights Act of 1964; 49 CFR, Part 21. No person shall be excluded from participation in or be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance on the grounds of race, color, sex, disability, or national origin.

**1. Award**

The County reserves the right to reject any or all Bids/Proposals, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids/Proposals. The County further reserves the right to reject the Bid/Proposal of any Bidder/Proposer whom it finds, after reasonable inquiry and evaluation, to not be responsible. The County may also reject the Bid/Proposal of any Bidder/Proposer if the County believes that it would not be in the best interest of the Project to make an award to the Bidder/Proposer. The County also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder/Proposer. More than one Bid/Proposal for the same work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder/Proposer has an interest in more than one Bid/Proposal for the Work may be cause for disqualification of the Bidder/Proposer and the rejections of all Bids/Proposals in which that Bidder/Proposer has an interest. If the Contract is to be awarded, the County will award the Contract to the Bidder/Proposer whose Bid/Proposal is the best interest of the Project. Disputes arising from the award of the Bid/Proposal must be submitted in writing to the Monroe County Purchasing Agent and received no later than three (3) calendar days from contract award date. In the event no funds are appropriated by the County for the goods and services specified or insufficient funds exist for future orders, the County is under no obligation to make a contract award, contract renewal, or purchase.

**2. Preparation of Bids/Proposals**

- (A) Bidder/Proposers are expected to examine all Bid/Proposal documents. Failure to do so will be at the Bidder/Proposer's risk.
- (B) Each Bidder/Proposer shall furnish all information required by the Request. The Bidder/Proposer shall sign the Bid/Proposal documents; erasures or other changes shall be initialed by the person signing the offer.
- (C) Unit price shall include freight unless otherwise specified in the request. In case of discrepancy between any unit price and an extended price, the unit price shall govern.
- (D) Bidder/Proposers must state a definite time for delivery of supplies or for performance of services unless otherwise specified in the invitation.
- (E) Delivery time, when stated as a number of days, will include Saturdays, Sundays, and holidays.

**3. Availability of Requested Items**

Bidder/Proposers must accept responsibility for verifying availability of specified items prior to submission of Bid/Proposal. Bidder/Proposer shall notify the County no less than 96 hours prior to the Bid/Proposal deadline per Tennessee Code Annotated (T.C.A.) § 12-4-126 if specified items are discontinued, replaced, or will not be available for an extended period of time.

**4. Restrictive or Ambiguous Specifications**

It is the responsibility of the prospective Bidder/Proposer to notify Monroe County Purchasing if there is a question as to the specifications or bid/proposal procedures being formulated in a manner that would unnecessarily restrict competition. Any such question must be received no less than 96 hours prior to the Bid/Proposal deadline per T.C.A. § 12-4-126. These requirements also apply to specifications or procedures that are in error or ambiguous.

**5. Delivery**

Delivery will be f.o.b. destination unless otherwise specified in the Bid/Proposal document. This will apply to regular and normal stock items and special items which must be ordered direct from manufacturer.

**6. Federal Tax and State Sales Tax**

Purchases by the County are not subject to any state sales or federal excise taxes. Exemption certificates shall be furnished by the County upon the Contractor's request.

**7. Addenda**

No modifications to the Bid/Proposal shall be binding upon the County unless made in writing by an authorized representative of the Monroe County Purchasing Department. Bid/Proposal addenda, if issued, are posted on the County's website: [www.monroetn.com](http://www.monroetn.com). Prior to submitting a Bid/Proposal, it is the responsibility of the Bidder/Proposer to ascertain that they have received all addenda issued and bid/propose accordingly. No addenda will be issued later than 48 hours prior to Bid/Proposal deadline per T.C.A. § 12-4-126.

**8. Submission of Bids/Proposals**

- (A) Bid/Proposal shall be enclosed in a sealed envelope and addressed to the Monroe County Purchasing Department, 103 South College Street, Madisonville, TN 37354. The name and address of the Bidder/Proposer shall be identified on the face of the envelope along with the Bid/Proposal number and title. Bids/Proposals for construction projects exceeding \$25,000.00 must include the required contractor license information on the face of the envelope per T.C.A. § 62-6-119.
- (B) The County does not accept Bids/Proposals by facsimile or any electronic transmission. See Clause 9 under Terms and Conditions of the request for Bid/Proposal regarding Bid/Proposal modifications or withdrawal.
- (C) Samples of items, when required, must be submitted within five (5) calendar days and at no expense to the County unless otherwise specified by the County. If not consumed by testing, samples will be returned at Bidder/Proposer's request and expense unless otherwise specified in the Invitation.

**9. Modification or Withdrawal of Bids/Proposals**

Bids/Proposals may be modified or withdrawn by signed written notice to Monroe County Purchasing or in person by an authorized Bidder/Proposer representative provided the modification or withdrawal is received prior to the Bid/Proposal deadline. A Bidder/Proposer representative making a modification in person shall have proper identification and shall initial the change. The Bidder/Proposer representative shall sign a receipt for the withdrawal of a Bid/Proposal. A telegraphic notice with an authorized signature would be acceptable for Bid/Proposal modification or withdrawal. It is the Bidder/Proposer's responsibility to confirm receipt of the modification or withdrawal. The telegraphic communications shall not reveal the Bid/Proposal price but shall provide the addition, subtraction or other modifications so that the final prices or terms will not be known by the County until the sealed bid is opened.

**10. Late Bids/Proposals**

It is the responsibility of the Bidder/Proposer to deliver their Bid/Proposal or modification on or before the deadline date and time. The time of record will be the date/time stamp of the Monroe County Finance Department. Late bids/proposals will not be considered or returned.

**11. Qualifications of Bidder/Proposers**

In evaluating Bid/Proposal, the County will consider whether or not the Bid/Proposal complies with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid/Proposal form or prior to the Notice of Award. The County will consider the qualifications of Bidder/Proposer and may consider the qualifications and experience of Subcontractors, Supplies, and other individuals or entities proposed for those portions of the work which the identity of Subcontractors, Suppliers, and other individuals or entities must be submitted. The County may conduct such investigations as the County deems necessary to establish the responsibility, qualifications, and financial ability of Bidder/Proposers, proposed Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work in accordance with the Contract Documents. The County may make such investigations as are deemed necessary to determine the ability of the Bidder/Proposer to perform the work and the Bidder/Proposer shall furnish all such information and data for this purpose as the County may request. The County reserves the right to reject any Bid/Proposal if the evidence submitted by the investigation of such Bidder/Proposer fails to satisfy the County that such Bidder/Proposer is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein.

**12. Subcontracts**

The Bidder/Proposer is specifically advised that any person, firm, or other party to whom it is proposed to award a subcontract under this contract must be acceptable to and approved by the County.

**13. Non-Collusion**

The requirements of State and Federal Antitrust Law, as well as the terms and conditions of the Bid/Proposal, require that all decisions made as to matters concerning this Bid/Proposal be made on an individual firm basis. By signing this Bid/Proposal, the Bidder/Proposer certifies that no company employees, agents, or representatives colluded in any respect with any other person or firm as to the terms and conditions of the company's Bid/Proposal. Any concerted activity with respect to this Bid/Proposal will be reported to the Antitrust Division of the Office of Attorney General, State of Tennessee.

**14. Compliance with Applicable Laws**

The Bidder/Proposer shall comply with all laws relating to the manufacture, sale and purchases of items or services by County Governments insofar as they pertain to the purchase made under this contract.

**15. Bid/Proposal Acceptance**

Bid/Proposal prices quoted shall be subject to acceptance by the County for a period of sixty (60) calendar days from the Bid/Proposal deadline, unless Bidder/Proposer indicates otherwise in their Bid/Proposal. If awarded the Bid/Proposal within the time frame specified, Bidder/Proposer agrees to furnish all services described or specified

**16. Acceptance of Bid/Proposal Content**

The successful contractor's bid/proposal content shall become a contractual obligation if procurement action ensues. Failure of the successful Bidder/Proposer to accept these obligations in a contractual agreement may result in cancellation of the award.

**17. Notification to County**

If no Bid/Proposal is to be submitted in response to this Bid/Proposal, it is not necessary to return the request; however, notice should be given to the County if the recipient wishes to remain on the County's Bidder/Proposer list for future solicitations.

**18. Standard Contract**

The County reserves the right to incorporate standard county contract provisions into any contract negotiated as a result of any Bids/Proposals submitted in response to the Request for Bid/Proposal.

**19. News Releases**

News releases pertaining to this procurement or any part of the Bid/Proposal shall not be made without the written approval of the County Purchasing Director.

## Terms and Conditions of Purchase

### 1. Definitions

- A. The "County" is Monroe County, Tennessee, and includes its designated representatives.
- B. The "Contractor" is those mentioned as such "contractor, seller, vendor, supplier", in the contract and includes their designated representatives.
- C. The "Specifications" include instructions to vendors, the terms and conditions of purchase, the definitions and the technical specifications of the work.
- D. A "Subcontractor" is a person, firm or corporation having a contract with the Contractor to furnish labor and materials or both, or who perform services of the project.
- E. "Calendar Days" are consecutive days, as occurring on a calendar without regard to the day of the week, month, year, or holidays.
- F. The National Institute of Governmental Purchasing (NIGP) Online Directory of Procurement Terms, at [www.nigp.org](http://www.nigp.org), will govern on questions as to any other definition in this contract.

### 2. Contract Terms

Upon award, the performance of the contract shall be covered solely by the terms and conditions set forth herein. Authorization to furnish goods/services will be made via purchase order, or blanket order as appropriate, signed by the County Purchasing Agent and Finance Director or other designated personnel. Any language contained on any invoice, shipping order, bill of lading or other document furnished by the seller at any time and the acceptance by the County of any goods/services to be furnished hereunder accompanied by any such document shall not be construed as an acceptance by the County of any terms or conditions contained in such document which are inconsistent with the terms and conditions set forth in this Invitation. Any different or additional terms contained in the seller's acceptance are hereby objected to.

### 3. Contract Modification

The contract expresses the complete agreement of the parties. Any changes hereto must be in writing and signed by the County Purchasing Agent. No other individual is authorized to modify the contract in any manner.

### 4. Delivery Requirement

To insure adequate service level to the people, the County requires that all goods or services ordered will be delivered when specified. Time is, therefore, the essence of this contract. If deliveries are not made or services performed at the time agreed upon, the County reserves the right to cancel and purchase elsewhere and hold seller accountable therefore.

### 5. Transportation Charges

When terms of delivery or conditions of this order are f.o.b. destination, all transportation charges shall be paid by the seller.

### 6. Packaging

The County will not be liable for any charges for packaging, crating, carting, drayage, or storage in excess of the purchase price of this order unless stated otherwise herein.

### 7. Quantities

The County assumes no obligation for articles or materials shipped in excess of the quantity ordered hereunder. Any unauthorized quantity is subject to the County's rejection and return at seller's expense.

### 8. Indemnification and Insurance

If any work covered by this contract is to be done on the County's premises, Contractor agrees to carry liability and Worker's Compensation insurance satisfactory to the County and to indemnify the County against all liability, loss and damage arising out of any injuries to persons and property caused by the Contractor, his employees or agents. The Contractor will furnish written evidence of such insurance coverage if requested.

### 9. Inspection and Acceptance

The Contractor shall be responsible for all material or service until they are delivered and accepted. No material or service received by the County pursuant to this contract shall be deemed accepted until the County has had reasonable opportunity to inspect said material or service. All material discovered to be defective or does not conform to any warranty of the seller herein, upon initial inspection or at any later time if the effects contained in the material were not reasonably ascertainable upon inspection, may be returned at the seller's expense for full credit or replacement. No goods returned as defective will be replaced without buyer's written authorization. Such return shall in no way affect the County's discount privileges or exclude any other legal, equitable or contractual remedies the County may have therefore. Performance of services shall be completed to the County's satisfaction.

### 10. Warranty

The seller expressly warrants that all goods and work covered by this contract will conform to each and every specification, drawing, sample or other description which is furnished to or is adopted by the County and that they will be fit and sufficient for the purpose intended, merchantable, of good material and workmanship, and free from defect. Such warranty shall survive delivery and shall not be deemed waived either by reason of the County's acceptance of said goods or work or by payments for them.

### 11. Invoices

Invoices shall be submitted to address as noted on Purchase Order. Invoices shall contain the following information: purchase order number, item number, contract description of supplies or services, quantities, unit prices and extended totals. Delay in receiving invoices and errors in omissions on statements or invoices will be considered just cause for withholding settlement without losing privileges.

## Terms and Conditions of Purchase

### 12. Notice and Service Thereof

Any notice to any contractor from the County relative to any part of this contract will be in writing and considered delivered and the service thereof complied when said notice is posted with said contractor or his authorized representative.

### 13. Acts of God

Neither party shall be liable for delays, or defaults in the performance of this contract due to Acts of God or the public enemy, riots, strikes, fires, explosions, accidents, governmental action of any kind or any other causes of similar character beyond their control and without their fault or negligence.

### 14. Patents

The seller guarantees that the articles described herein and the sale or use of them will not infringe upon any U.S. or foreign patent. The seller covenants that he will, at his own expense, defend every suit which may be brought against the County, or those selling or using the County's product (provided seller is promptly notified of such suit and all papers therein are delivered to the seller) for any alleged infringement of any patent by reason of the sale or use of such articles and seller agrees that he will pay all costs, damages and profits recovered in any such suit.

### 15. Bankruptcy or Insolvency

In the event of any voluntary or involuntary proceedings by or against either party in bankruptcy or insolvency, or for the appointment of a receiver, trustee or an assignee for the benefit of creditors of the property of seller, or in the event of breach of any of the terms hereof including the warranties of the seller, the County may cancel this contract or affirm the contract and hold the seller responsible for damages.

### 16. Public Notice – Title VI of the 1964 Civil Rights Act

“No person in the United States shall, on the ground of race, color or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.”

Anyone who believes that an agency or local government receiving federal financial assistance has discriminated against someone on the basis of race, color, or national origin has a right to file a complaint within 180 days of the alleged discrimination. Inquiries and charges of violations concerning Title VI should be directed to the Human Resource Director of Monroe County.

### 17. Non-Conflict

No employee, officer or agent of The County shall participate in the selection, or award of, or administration of a contract if a conflict of interest, real or apparent, would be involved.

### 18. Provisions Required by Law Deemed Inserted

Each and every provision of law and clause required by law to be inserted in this contract will be deemed to be inserted herein and the contract will be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon application of either party the contract will forthwith be physically amended to make such assertion or correction.

### 19. Termination of Contract

The County reserves the right to terminate the contract at any time if any of the provisions of the contract are violated by the contractor or by any of his subcontractors, in the sole judgement and discretion of the Purchasing Agent. In the event of such termination, the Contractor shall be liable for any excess cost incurred by County. If the contract is so terminated the County may purchase, upon such terms and in such manner as the County Purchasing Agent may deem appropriate, supplies or services similar to those so terminated and the Contractor will be liable for excess cost occasioned thereby. In the event the contract is terminated by the County for due cause, the vendor may be barred from bidding on County contracts for a period of 12 months.

The Contract may be cancelled without cause by either party with the giving of written notice of no less than 60 calendar days.

## **AWARD EVALUATION CRITERIA**

### **2.01 ACCEPTANCE OF PROPOSAL CONTENT**

The successful contractor's proposal content shall become a contractual obligation if procurement action ensues. Failure of the successful proposer to accept these obligations in a contractual agreement may result in cancellation of the award.

### **2.02 STANDARD CONTRACT**

Monroe County reserves the right to incorporate standard county contract provisions into any contract negotiated as a result of any proposals submitted in response to the Request for Proposal.

### **2.03 NEWS RELEASES**

News releases pertaining to this procurement or any part of the proposal shall not be made without the written approval of the County Purchasing Director.

ATTACHMENT "A"

**MONROE COUNTY EMS**  
**Ambulance Bid Specifications**

EMERGENCY MEDICAL VEHICLE

SCOPE & GENERAL REQUIREMENTS

This specification describes a commercial type RV cutaway chassis with a transferable modular body converted into a Type III, Class I Ambulance configuration as defined in the FEDERAL SPECIFICATION FOR AMBULANCES, KKK-A-1822F, dated August 1, 2007. Unless otherwise specified, described vehicle shall comply with KKK-A-1822F and current OEM chassis manufacturer's Program Truck Guidelines.

The manufacturer of this vehicle:

- Shall be a current manufacturer in good standing in the Chevrolet Motor Company Qualified Vehicle Modifier Program, and shall submit a copy of his membership certificate as part of the bid proposal.
- Shall submit a copy of current certification of compliance with Fed. Spec. KKK-A-1822F for the type vehicle described herein, as prepared by an independent testing laboratory. (In-house certification will not be acceptable.)
- Shall carry not less than five million dollars (\$5,000,000.00) in product liability insurance.
- Shall employ full-time parts personnel.
- Shall employ a full-time electrical troubleshooter.
- Shall employ a full-time warranty representative.
- Shall furnish custom Computer Aided Design (CAD) interior & exterior construction drawings specific to each vehicle produced.
- Shall furnish custom CAD electrical illustrations (including physical layouts of switch panels & electrical component mounts) & electrical schematics specific to each vehicle produced.
- Shall offer factory refurbishing and/or remounting services for purchased units at pricing current at the time such services are requested.

DOES YOUR BID COMPLY?    YES \_\_\_\_\_    NO \_\_\_\_\_

## 1.0 CHASSIS

**1.0.1 TYPE III AMBULANCE:** The apparatus shall be a Chevrolet G-3500 Class 1, Configuration A, 2- door cut-a-way van with a transferable, modular, ambulance body.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.2 O.E.M.:** The acronym O.E.M. is “Original Equipment Manufacturer”. The O.E.M. is chassis manufacturer and the vehicles’ Make Origin.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.3 AMBULANCE PREPARATION PACKAGE:** The chassis provided shall be equipped with an ambulance preparation package designed and installed by the O.E.M. The package shall be designed to hold up to the demands and duty cycles inherent with Emergency Medical Vehicles.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.4 THROTTLE – HIGH IDLE:** An O.E.M. throttle control shall be provided. The throttle shall be programmed for charge protect. The throttle control module shall be located in the control base.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.5 GROSS VEHICLE WEIGHT RATING (GVWR):** The GVWR of the chassis supplied shall be at least 12,300 pounds.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.6 FRONT AXLE WEIGHT RATING (FAWR):** The FAWR shall be rated no less than 4,600 pounds.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.7 REAR AXLE WEIGHT RATING (RAWR):** The RAWR shall be rated no less than 8,600 pounds.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.8 REAR AXLE TYPE AND RATION:** The axle type shall be limited slip differential with a 3.73 gear ratio.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.9 ENGINE:** A V-8, Turbo-charged Diesel engine or comparable gasoline engine shall be provided with a minimum displacement of 6.6 liters (363 cu in.). The engine performance shall comply with or exceed KKK-A-1822F 3.4.3, 3.4.4, and 3.4.6 thru 3.4.8.2.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.0.10 TRANSMISSION:** A 4-speed, electronic automatic transmission with overdrive shall be provided.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.0.11 BATTERIES:** Two batteries shall be mounted to provide easy access for servicing. The batteries shall be at least 770 CCA.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.0.12 BRAKES:** 4-wheel anti-lock, power assisted hydraulic brakes shall be supplied by the O.E.M. The brakes shall be 4-wheel disc type. The parking brake shall be an independent mechanical driveline brake, provided by the O.E.M.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.0.13 TIRES:** All tires shall be identical make, tread type, size, and load range. For aforementioned GVWR the tires shall be LT225/75R16D. A label with the recommended tire pressure shall be located above each wheel opening, unless specified otherwise by the purchaser. All tires shall be balanced per KKK-A-1822F 3.6.12.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.0.14 WHEELS:** Stainless steel wheel inserts shall be installed. Rear wheels shall have braided valve extenders installed.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.0.15 MUD FLAPS:** Rear mud flaps shall be provided.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.0.16 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 KKK-A-1822F 3.6.10 O.E.M. Tire tools shall be provided with the spare.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.0.17 OCCUPANT RESTRAINT SYSTEM:** The front, forward facing cab seats shall be equipped with O.E.M. installed three point seat belts. The seat belts shall have pretensioners built into the seatbelt assembly to take up belt slack during a violent frontal collision. The seat belt assemblies shall meet or exceed F.M.V.S.S. 208 and 209. The inside conversion panels shall not interfere with the swivel arc of the shoulder rings.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.18 SUPPLEMENTAL RESTRAINT SYSTEM:** An O.E.M. air bag shall be installed on the driver and passenger side. Permanent or quick release ambulance conversion components shall not interfere with air bag deployment. The air bags must be completely operational. Modifications by the secondary manufacturer are not acceptable.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.19 FUEL TANK:** The fuel capacity shall be at least 33 U.S. gallons. The fuel range shall be at least 250 miles per KKK-A-1822F 3.4.9.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.20 CAB SEATS:** O.E.M. high back, velour covered bucket type seats shall be provided in the cab. The seats shall adjust forward and aft. Seat base must be O.E.M. (after-market seats and/or base are not acceptable due to violations regarding S.R.S. (Airbag) deployment geometry).

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.21 CAB STEREO:** An O.E.M. AM/FM/CD in dash radio shall be included with the chassis. Located in the ceiling of the patient compartment shall be two speakers with a fader switch mounted in the rear action panel.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.22 MIRRORS:** Dual Velvac electric control heated mirrors with built in convex shall be provided.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.23 DOOR LOCKS:** The cab doors shall have O.E.M. power door locks. A momentary rocker type switch shall activate (lock/unlock) both cab doors.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.0.24 TRIM PACKAGE:** The highest level trim package shall be supplied from the O.E.M. 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 O.E.M. Argent or painted bumpers are not acceptable. The O.E.M. grill work shall remain O.E.M. after market vacuum formed; proprietary grille work made by the ambulance manufacturer is not acceptable due to replacement part cost and lack of immediate availability.

Does Your Bid Comply?                    YES\_\_\_\_\_      NO\_\_\_\_\_

**1.0.25 RUNNING BOARDS:** Running boards constructed of .125 aluminum.

Does Your Bid Comply?                    YES\_\_\_\_\_      NO\_\_\_\_\_

**1.0.26 UNDERCOATING:** Chassis and module shall be fully undercoated.

Does Your Bid Comply?                    YES\_\_\_\_\_      NO\_\_\_\_\_

**1.0.27 WINDOW VISORS:** Formed vent visors shall be installed over each cab door window.

Does Your Bid Comply?                    YES\_\_\_\_\_      NO\_\_\_\_\_

**1.0.28 HEAVY DUTY FRONT SUSPENSION SHOCK ABSORBERS.**

Does Your Bid Comply?                    YES\_\_\_\_\_      NO\_\_\_\_\_

**1.1 MODULE CONSTRUCTION-GENERAL**

**1.1.1 SERVICE INTENT:** The ambulance body shall be all aluminum. The body sheet shall be reinforced with structural members designed to resist deflection and withstand conditions as per federal specification KKK-A-1822F 3.10.5.

Does Your Bid Comply?                    YES\_\_\_\_\_      NO\_\_\_\_\_

**1.1.2 BODY MEMBER ALLOY:** The side, roof, front, and rear sheets shall be derived from .090 (3/32") thick 5052-H-32 aluminum sheets. The roof sheet shall be one piece from roof rail to roof rail. The side structure & structural shapes shall be extruded of 6063-T6 aluminum. This agency will not accept bids from ambulance manufacturers that do not manufacture the ambulance body being bid.

All frame and structural members shall be MIG (metal arc inert gas shielded) welded together to form a "roll cage". No rivets, screws, adhesive, or other mechanical fasteners shall be used for the attachment of any structural or frame member used to form the "roll cage".

Does Your Bid Comply?                    YES\_\_\_\_\_      NO\_\_\_\_\_

**1.1.3 BODY WARRANTY:** The body shall carry a 15-year warranty following the date of delivery to the end user. The warranty shall cover repairs or replacement of body elements or components that fail due to structural defects in materials and workmanship. The body shall be re-mountable to a future to chassis, or exact specification, without voiding the 15-year body warranty, provided the re-mount is performed by the Original Ambulance Manufacturer or its authorized agent. "Life Time Warranties" shall not be acceptable, unless the protection coverage is CLEARLY specified and attached in its entirety, with the bid. Hollow, no content and/or unclear "Life Time Warranties" are not acceptable.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.1.4 STRUCTURAL INTEGRITY:** The body shall be capable of providing impact, deformation, and penetration resistance in the event of a collision. The body structure shall be capable of passing a stand-alone static load test on a type-tested body. The test shall be conducted in accordance to AMD-001 the test weight shall be no less than 13,167 pounds or 1.5 times the curb-weight of the finished vehicle. A complete copy of the testing documents must accompany the bid, NO EXCEPTIONS. Exceptions to this bid will not be considered. Non-compliant bids will be rejected.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.1.5 RE-MOUNTABLE:** The body shall be designed to be remounted to like chassis with same cab-to-axle dimensions.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.1.6 WELD QUALITY:** All welds within the modular body shall meet American Welding Society codes for structural and sheet welding. All weld sites shall be cleaned prior to welding. All welds shall be free of cracks, cavitation, oxidation, and foreign substances. All M.I.G. welds shall be shielded with Argon, during the process.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.1.7 CREVICE PREPARATION:** All skin and extrusion surfaces destine to be mated shall be primed with chromate, etching primer prior to assembly. Additionally, all over lapping extrusion to skin surfaces shall be bedded with a one part polyurethane adhesive sealant. The sealant shall be applied immediately prior to assembly. Excess sealant shall be cleaned off after the clamping phase. The adhesive sealant shall eliminate jamb to skin movement.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.2 SIDE STRUCTURE:**

**1.2.1 SHEET:** The skin covering the front, sides, and rear walls shall be a single aluminum sheet with an alloy and temper strength of 5052 H32 for strength, ease of welding, and corrosion resistance. Modular bodies fabricated from “multi-piece” front, rear, or side skins are acceptable to this agency. The skin shall be attached to the vertical and horizontal wall structure with a high strength urethane adhesive applied in a vacuum bonding procedure to insure consistent adhesion, and full coverage insulation. In no case shall screws, rivets, or any other mechanical fasteners be used to attach the skin to these structural members.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.2.2 SIDE STRUCTURAL MEMBERS:** The side assembly shall be reinforced vertically with square aluminum extruded structural on an average of twelve (12) inch centers. These structural members shall be 2”X 2” extruded box tubing with an equivalent wall thickness of .125 inch. To minimize the possibility of the extrusion bending, twisting, or suffering other deformation when stressed, the extrusion shall be designed that each boxed formed corner extrusion on the sides, front, rear, and roof over lap the opposing extrusion, thus allowing for full length vertical welds on the entire outside of the body and the inside of the body. These structures shall be MIG welded together to form the bodies roll cage and corner impact protection.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.2.3 CORNER SIDEWALL ASSEMBLY:** The corners of the modular body shall be constructed of an extruded hollow aluminum shape with a material thickness of .125 inch. The cavity of this shape shall be no larger than is necessary to cover the abutment joint created by the adjoining welded components. These extrusions shall be welded to the bottom of the upper corner cap and the bottom of the sidewalls. These extrusions shall be sealed along their entire length with a high bond stage urethane adhesive.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.3 ROOF CONSTRUCTION:**

**1.3.1 PERIMETER EXTRUSIONS:** The roof’s substructure assembly shall consist of perimeter extrusions, lateral roof bows, and interconnecting corner caps.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.3.2 ROOF SHEET:** The roof skin shall have an alloy and temper strength of 5052 H32. The roof skin will be fully seam welded where the skin contacts the roof rail perimeter extrusions. The skin shall be attached to the lateral roof bows with a high strength urethane adhesive applied in a vacuum lamination process to provide even and consistent adhesion of the wall skin to the structural extrusions. In no case can screws, rivets, or other mechanical fasteners be used to attach the skin to the lateral roof bows.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**1.3.3 ROOF BOWS:** The lateral roof bows shall be 2"X 2" square aluminum extruded tubing with an equivalent wall thickness of .125 inch. These structures shall be MIG (metal arc inert gas shielded) welded together to form the body's "roll cage". These structural members shall be located so that the roof skin is supported on a minimum "center" distance of 14 inches. The roof bows shall interconnect with the roof side rails and be continuously welded at all contact points. In no case shall a lateral roof bow have free span of more than 46 inches.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**1.3.4 ROOF CORNERS:** The roof rail extrusions shall be welded together along the roof bow mating walls at the corners. In addition, the outer surfaces of the roof rail extrusions shall be continuously MIG welded to cast aluminum corner castings. The castings shall have rail shaped heat risers behind the weld sites to interlock the joint.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

#### **1.4 FLOOR CONSTRUCTION**

**1.4.1 FLOOR MEMBERS:** The floor shall be at the lowest level permitted by clearances. The floor structure shall consist of 2"X 2"X .125": structural box tubing extruded of 6063-T6 aluminum. The finished assembly shall be securely welded to the wall structures and exterior compartments. The lateral and longitudinal floor structural members shall be 2"X 2" extruded box tubing with an equivalent wall thickness of .125 inch.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**1.4.2 MOISTURE BARRIER:** Over the floor substructure there shall be applied a moisture barrier of .050 inch thick aluminum skin. This skin shall be attached to the floor structural by a full bed of industrial adhesive. This adhesive bed shall be adequate to completely seal the patient compartment from fumes and moisture from penetration the interior.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**1.4.3 CARBON MONOXIDE PROTECTION:** Due to an increased concern over carbon monoxide penetration into the patient compartment, it is imperative that the entire underside of the modular body be sealed. All hollow corners structural shall be sealed with either expansion foam or sealed metal plates screwed into place.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

## 1.5 DOOR CONSTRUCTION

**1.5.1 DOOR SKIN:** The door skin shall be .090 thick 5052-H32 aluminum sheet pan formed to create a crevice free surface for best paint adhesion and corrosion resistance. The formed edges shall not have elongation cracks due to forming. The formed edges uniformly rounds off exposed edges for better paint adhesion and aesthetic appeal.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.5.2 DOOR PANELS:** The inside door panels shall be made of matching mica panels. The center panel shall be removable for easy lock service/lubrication. Exposed, raw, sheared, unfinished sheet-metal edges are not acceptable. The panels shall be fastened to the door with stainless steel, #10-32 UNF machine screws threaded into quality blind fasteners. Each screw shall have an internal tooth lock washer to preclude loosening.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.5.3 DOOR JAMB:** The door jamb shall accommodate rigid fastening of compartment door hinges. The jamb shall include a hollow cell that shall conceal wiring for the non-mechanical door switch. The door jamb corners shall be mitered and welded to hold the door square and rigidly together at the corners. Additionally, the jamb shall be secured to the body with flat-head machine screws. A weather strip will attached to the jamb to create a water resistance seal.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.5.4 HINGE:** All doors shall have stainless steel, continuous, piano hinges. The pin diameter shall be .250" and staked into place to prevent drifting out of the hinge leafs. The knuckle lengths shall be 1". Alternating slots shall be incorporated in the hinge to facilitate fine adjustment. The hinge attachment bolts shall be ¼-20X 1" long stainless steel Type F hex head bolts. The bolts shall be spaced 4" apart on each leaf for the full length of the hinge.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.5.5 LATCHES:** The latches shall meet FMVSS 206. All latches shall be two-stage, rotary-type. The latches shall be through bolted to the door with 5/16 UNC countersink, stainless steel, bolts and lock nuts. All entry doors shall have two rotary latches per door. To assure uniform latch timing and functional door reliability, only straight, ¼” diameter rods shall connect the latches to the handle. All latch timing shall be set at the handle site. The rod ends shall be threaded ¼-20, run through a clearance hole on a swivel block and threaded through a long bodied hex nut. The length of the rod shall be locked in with a binder nut on the rod against the long nut. In addition, the swivel block shall include a set screw and shall thread into the rod. At the latch end, the rods shall be bent 90 degrees, inserted into the release lever and held in place with a spring steel rod keeper. Cables are not acceptable because they stretch or pull out of their crimps, rendering the door incapacitated. Other than at the latch site, bends in the door latch are NOT acceptable. Bends in door rods will straighten at undefined rates and cause latch timing problems. All single hung compartment doors shall have one rotary latch. All double hung compartment doors shall have two rotary latches per door. All striker pins shall be headed to prevent the door(s) from opening under impact.

Does Your Bid Comply?                    YES \_\_\_\_\_      NO \_\_\_\_\_

**1.5.6 EXTERIOR HANDLES:** Large die cast paddle handles shall be provided to open all doors. Blind fasteners shall be used to fasten the handles to the door. Exposed fasteners to the outside are unacceptable for security reasons. Every paddle handle shall have an isolation gasket between the paddle body and the door skin. All door skin surfaces shall be painted prior to installation of the hardware. The door handle shall incorporate an extension spring to return the paddle to the home position. Paddles using torsion springs are not acceptable due to cold weather breakage. The handle shall be long enough to accommodate four-gloved fingers for door actuation. All paddles, on single hung and leading double doors shall be locking type and keyed the same. Trailing doors shall; have non-locking paddle handles, mounted on the outside of the door.

Does Your Bid Comply?                    YES \_\_\_\_\_      NO \_\_\_\_\_

**1.5.7 INTERIOR HANDLES:** Interior handles shall be supplied on all module entry doors. The interior handle shall be paddle type. A Lock/Unlock lever shall be installed and be clearly marked Lock/Unlock.

Does Your Bid Comply?                    YES \_\_\_\_\_      NO \_\_\_\_\_

**1.5.8 WINDOWS:** All entry doors shall be equipped with an upper window. The curbside entry door shall have a side window with a nominal area of 320 square inches. The rear access doors shall have a fixed pane window with a nominal area of 320 square inches. All windows shall have anodized frames and blind inner mounting ring screws, fastened from the inside. The exterior portion of the frame shall have a full perimeter seal mated against the door skin. All glass shall be tinted safety glass.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.5.9 DOOR CHECKS:** All doors shall be equipped with a door check (hold open). All vertically hinged doors shall have a rod mounted, mechanical spring type of door check. The spring shall keep positive pressure on the door in the open and closed position. Door check brackets shall be through bolted to preclude coming loose. All doors shall open at least 150 degrees. The door checks shall be 2 piece, heavy duty, cast aluminum, grabber type. The door shall have a ½" round stock loop that plunges into a positive rub/cast socket. Each half of the door checks shall be insulated from the skin with a rubber gasket. Each door-check half shall be rigidly mounted. Skin flex is not acceptable.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.5.10 DOOR HANDLES:** All entry doors shall be equipped with two point, 1" diameter, stainless steel, "handicap" style grab handles to aid in door closure and entry assistance. The handle shall run horizontally, directly above the inside door latch. The door handles shall be fastened directly to the horizontal door structure that is welded to the door assembly.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.5.11 DRIP RAILS:** A drip rail shall be provided over each compartment to prevent water roll off from spilling into the opened compartment door. Full height compartments are exempt because the perimeter roof rail drip rails will cover these compartments.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

## **1.6 COMPARTMENT CONSTRUCTION**

**1.6.1 MATERIALS:** All exterior compartment walls, back and floor shall be constructed of polished aluminum diamond plate. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floors and ceilings are bonded to the walls and back and intermittent welded on 6" centers. Continuous welds around the compartment seams are not acceptable due to cracking, in time, located just outside the welded heat affected zone.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**1.6.2 VENTILATION:** All compartments shall have louvers of ventilation to the outside. Oxygen cylinder compartments shall be louvered through the door with at least 9 square inches of free-vented area.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.6.3 DRAIN HOLES:** Drainage holes shall be provided on the bottom of the compartments.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.6.4 OXYGEN COMPARTMENT:** A universal M or H size cylinder rack shall be provided to secure a vertically stored cylinder. The rack shall be through bolted to the compartment wall. The rack shall remain rust free for the life of the ambulance. The rack shall be fastened to the compartment wall with four 3/8-16 grade 8 bolts with grade 8 flanged nuts.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.6.5 STEP WELL:** A linoleum covered step well shall be provided at the curbside access door. The step shall have a tread dimension of not less than 10 inches. The step well shall be illuminated. The covering shall be consistent with the floor covering in the patient compartment.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

## **1.7 REAR BUMPER**

**1.7.1 FRAMING:** The rear step bumper shall exceed KKK-A-1822F 3.9.6. The bumper shall be bolted directly to the chassis frame. In addition the top of the bumper shall be mounted below the body skirt-line, so that minor collisions do not damage the body. Steel framed bumpers with shaker can paint protection are unacceptable.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.7.2 CENTER STEP:** A flip up step shall be provided to allow closer access to the patient cabin floor. The step shall be as wide as the rear access door jamb. The step shall have aggressive traction. Snow and ice shall not compromise the level of traction on the center step. A stainless steel piano hinge shall have a staked in, 1/4" diameter pin, one inch knuckles and one Type-F 1/4" through bolt every four inches.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.7.3 OUTER PONTOONS:** The step bumper shall have an aesthetically pleasing appearance. The outer bumper ends (pontoons) shall be covered in polished aluminum diamond plate. The outer comers shall be rounded to eliminate sharp corners around the working area. Each pontoon shall have a rear dock bumper attached to further protect the bumper.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.8 BODY PROTECTION AND BRIGHT WORK**

**1.8.1 FRONT OF BODY:** The front of the body shall have skirt-line protection plates made of aluminum diamond plate. The corner posts shall have form fit diamond plate protection height matched to the frontal plates.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.8.2 REAR OF BODY:** The rear kick plate shall run from corner post to corner post with a recessed, centered tag holder. The height shall be from the skirt-line of the body to the bottom door-jamb on the rear access doors. The corner posts shall have form fit diamond plate protection.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.8.3 SKIRT RAILS:** The entire skirt-line of the body, forward and aft on the rear wheels shall have formed diamond plate skirt rails to protect the body. Each skirt rail shall meet KKK-A-1822F 3.9.7.5. Each rail shall be chamfered 45 degrees at each end. The rails shall not have exposed fasteners in the rail when viewed from the standing position. The rails shall not cut into the paint.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.8.4 REAR ACCESS DOOR JAMB:** At the rear access doors, a full width, formed, stainless steel jamb protection plate shall be provided to prevent the cot frames from chipping the paint.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.8.5 FENDER:** The rear fender flares shall be formed stainless steel. A diamond plate shroud shall be installed around the rear wheel well openings to protect the paint.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**1.9 MODULE CONFIGURATION**

**1.9.1 OVER ALL LENGTH:** The overall length of the vehicle shall not exceed 22 feet (264”) per Federal Specification KKK-A-1822F 3.4.11.1. The departure angle shall meet or exceed KKK-A-1822F 3.4.11.5.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.9.2 MODULE LENGTH:** The module length shall be at least 146”.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.9.3 MODULE WIDTH:** The module width shall comply with Federal Specification KKK-A-1822F 3.4.11.2. The module shall be 90” inches wide, excluding lights and accessories.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.9.4 MODULE HEAD ROOM:** The module shall be 68 inches actual measured headroom. The measurement shall be taken from the patient compartment floor to the ceiling panels.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.9.5 BULKHEAD CONFIGURATION:** The bulkhead shall be a solid wall. There shall be a sliding window that has at least 968 square centimeters of visual viewing area and voice communications. The window shall be transparent and shatterproof.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.9.6 COMPARTMENT CONFIGURATION:** The minimum compartment dimensions are shown below.

Compartment	Compartment Dimensions			Jamb Pass Thru	
	Height	Width	Depth	Height	Width
C-1 (LF)	63.75	14.00	15.75	62.75	13.00
C-2 (LM)	38.00	30.75	16.50	36.00	29.00
C-3 (LR)	75.75	13.50	21.25	74.00	12.00
C-4 (RF)	43.00	19.25	27.00	42.00	18.00
C-5 (Battery)	11.00	19.25	20.00	10.00	18.00
C-6 (RR)	26.00	33.00	14.75	24.25	31.25

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**1.9.7 SPARE TIRE STORAGE:** A full size, fully inflated spare tire shall be shipped loose. An O.E.M. jack and tire tools shall also be provided and clamped into place.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**2.0 PAINT**

**2.0.1 100% PAINT FILM COVERAGE:** All stages of primer and paint shall cover all weather exposed surfaces. Hinge mating surfaces on the doors and jambs shall be painted. Bare aluminum and primer only preparation is not acceptable under door hinges. Doors shall be painted without actuation handles installed.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**2.0.2 PAINT SCHEME AND LETTERING**

**2.0.2.1 PAINT BELT AND COLORS:** Module shall be painted white to match chassis. There shall be a single reflective Omaha Orange beltline stripe, minimum 10" wide with reflective blue pin striping installed. Beltline stripe does not cross hood. Unit shall be lettered to match existing Monroe County EMS fleet.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**2.0.2.2 LETTERING:** Federal KKK Stars of Life and Ambulance lettering shall be provided and installed. Unit shall be lettered to matching existing Monroe County fleet.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**2.0.3 CORROSION:** Anti-electrolysis procedures

**2.0.3.1 EXTERIOR FASTENERS:** Dissimilar metal contact is known to cause corrosion at fastener sites. All exterior device fasteners, especially light fasteners, shall not contact the painted aluminum surface. All fasteners that are NOT aluminum or plastic bodied are considered dissimilar. All screw sites require a replaceable nylon insert for the fastener to thread into to isolate the dissimilar metals. Additionally each hole shall be treated with an Electrolysis Corrosion Control compound prior to installation of the nylon inserts. All exterior screws shall be stainless steel.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**3.0 CABINETS**

**3.0.1 MODULE INSULATION:** The insulation material shall be 2" thick lib. density foam block style insulation.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**3.0.2 SUBSTRATES:** The interior cabinets and components shall be constructed of Formaldehyde free, exterior grade, plywood. The glue line between the layers shall be phenol based. The glue shall be of similar chemical make up to the phenol glue used in "Marine grade" plywood, as designated by the A.P.A. (American Plywood Association). The exposed layers shall be 99% void free. Cabinet cases shall be made from at least 12mm (1/2") thick, 5-ply plywood. Bench lids and doors shall be made from at least 18mm (3/4") thick, 7-ply plywood. Aluminum cabinet construction is not acceptable because comparable units made of aluminum weigh five to ten percent more than the same cabinets made of plywood.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**3.0.3 CABINET INTERIOR FINISH:** Cabinet interior shall be laminated with white colored, high impact, abrasion resistant mica. The contact adhesive shall be a high bond contact adhesive, specifically designed to bond plywood to mica. Painted cabinet interiors are not acceptable because the finish can easily become damaged.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**3.0.4 FLOOR AND SUBSTRATE:** The floor of the module shall be 18mm (3/4") thick 7-ply, Formaldehyde free, exterior grade, A-C plywood. The glue line between the layers shall be phenol based. The glue shall be of similar chemical make up to the phenol glue used in "Marine grade" plywood, as designated by the A.P.A. (American Plywood Association). The floor covering shall be Lonplate II Mica 421.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**3.0.5 LAMINATE:** A high impact, phenol backed, and abrasion resistant mica shall be used. The mica shall be at least 45 mills thick. This material as well as all interior components shall meet or exceed F.M.V.S.S. #302 (Burn rate of interior components).

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**3.0.6 CABINET ASSEMBLY:** To maximize fastener bite, cabinet substrate parts shall be stapled with pneumatic fired equipment. Manually hammered in nails are not acceptable. The length of the fastener shall be at least 2.25 times the thickness of the material being pierced through. Staples shall be placed on two inch intervals along the corner joints. In addition to staples, the entire cabinet assembly must be screwed together with a minimum #8 screw size and a length not less than 2.25 times the thickness of the pierced substrate. Screw heads shall be counter-sink type and driven flush.

Does Your Bid Comply?            YES\_\_\_\_\_    NO\_\_\_\_\_

**3.0.7 CABINET TRIM:** All trim throughout the interior conversion shall be anodized aluminum or formed stainless steel. “Mill Finish” aluminum trim is not acceptable due to constant oxidation problems inherent in un-finished aluminum. All exposed corners within the patient compartment shall have padded or rounded corners. Excess adhesive-sealant shall be removed. Intermittent screws are not acceptable due to cleaning difficulty inherent in screw head design.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**3.0.8 FIT AND FINISH:** Mitered joints throughout the interior conversion shall have a gap-less, hairline fit. Openings and misalignments at the corners are not acceptable. Misapplied trim to cover manufacturing mistakes is not acceptable solutions to poor design and/or workmanship. Doors shall be warp free. Sliding polycarbonate door assemblies shall be scratch free and all edges shall be smooth and free of saw marks and sharp edges. Cabinet to cabinet joints shall not require more than 7/32” diameter welting to create a finished/well-fit look. Cabinets shall fit tightly against the ceiling as well. Large sticks of upholstered plywood with screws are not acceptable due to cleaning concerns.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**3.0.9 FUNCTION:** Doors and drawers shall fit the opening. When specified, flush fitting doors shall have even door to opening gaps. All doors shall open and close bind-free. Drawers shall slide in and out freely, without drag. All drawers shall be mounted on side mounted, full-extension drawer slides, rated no less than 75 pounds/pair. All hinged wood core doors shall have positive latches.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

### **3.1 CABINET DOORS**

**3.1.1 SLIDING POLYCARBONATE DOORS:** Polycarbonate shall hereinafter be identified as “P-glass”. Unless specified otherwise, all cabinets along the street and curb side of the vehicle shall have a mitered framed, sliding transparent P-glass door assembly. The P-glass shall be at least 3/16 inch thick. Each door shall be fitted with a full length, extruded aluminum door handle. The door pull extrusion shall also add bend resistance to the door. The door track/frame extrusion shall incorporate a flocked natural rubber track insert to prevent the doors from sliding free during transit. All extrusions shall be anodized. “Mill finish” is raw aluminum and shall not be acceptable.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

### 3.1.2 CABINET CONFIGURATION

**3.1.2.1 STREET SIDE:** A full wall of cabinetry or CPR seat shall be provided on the street side. The cabinets shall be easily accessible over the primary cot. The cabinet configuration and dimensions shall comply with the drawings attached.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**3.1.2.2 CURB SIDE:** A three seat squad bench shall be installed. Three sets of two point seat belts shall be supplied. The belts shall restrain three seated occupants or one secondary patient, on a back board. All seat belts and anchorage shall comply with F.M.V.S.S. 209 and 210. The squad Bench shall comply with KKK-A-1822F 3.11.4. A back and head rest shall be supplied for all seated personnel along the squad bench. The cabinet configuration and dimensions shall comply with the drawings attached. Squad bench lid shall utilize gas struts as support when opened. Located in the forward section of the squad bench shall be a separate locking door with a drop in area for sharp and trash containers. Access to these containers shall be through a flip up Plexiglas lid – red in color. Mounted to the front of the squad bench in the ceiling and the floor via reinforced mounting plates shall be a formed cargo net with quick release buckles.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**3.1.2.3 REAR OVERHEAD CABINET:** A cabinet will be installed over the rear doors to provide additional storage. The cabinet will have P-glass sliding doors and configure to the interior drawings. There shall be storage for four (4) boxes of gloves in this cabinet.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**3.1.2.4 RIGHT FRONT CABINET:** The right front cabinet is hereinafter known as “ALS cabinet”. The ALS cabinet shall be finished in color keyed mica. There shall be three open shelves. Installed in the front of this cabinet will be dual full length wooden doors. All areas shall be open from the outside which will have a full height door that is lockable.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**3.1.2.5 ACTION AREA CABINETS:** One cabinet shall be located above the action area for storage of medical tubing, air ways, and ventilation face masks.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**3.1.2.6 WALKWAY CABINETS:** Located in the walkway of the module behind the attendant's chair shall be three additional storage cabinets. The bottom cabinet shall be minimum 18" high X 10" wide. This cabinet shall be for storage of the inverter and suction pump.  
The middle cabinet shall be 8" high X 10" wide and will be for general storage.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**3.2 ACTION AREA**

**3.2.1 ACTION AREA COUNTERTOP:** Will be Formica. The edge of the action area shall have a lip to prevent items from sliding to the floor.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**3.2.2 ATTENDANT SEAT:** The attendant seat shall be a steel framed, high back bucket style captains' chair with built in child safety seat, color matched to other upholstery within the patient cabin. The seat base shall have one front access door, hinged along the bottom. A positive lever style latch shall be installed on the side door. The attendant seat shall be fastened through a black power coated steel frame box. Captain's chairs through bolted to plywood alone are unacceptable.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**4.0 INTERIOR HARDWARE**

**4.0.1 STREET SIDE OVER HEAD ASSIST RAIL:** This rail shall be naturally accessible to assist working attendants in maintaining their balance. The rail shall exceed federal specification KKK-A- 1822F.  
The rail shall be 1" diameter, 100% stainless steel and 72" long. The rail shall be located over the primary patient.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**4.0.2 CURB SIDE OVER HEAD ASSIST RAIL:** This rail shall be naturally accessible to assist working attendants in maintaining their balance. The rail shall exceed federal specification KKK-A-1822F.  
The rail shall be 1" diameter, 100% stainless steel and 72" long. The rail shall be located over the secondary patient.

Does Your Bid Comply?                      YES \_\_\_\_\_      NO \_\_\_\_\_

**4.0.3 PRIMARY COT AND MOUNT:** The main shall be an Electric cot and locking system that meets the 2017 Tennessee requirements.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**5.0 UPHOLSTERY**

**5.0.1 UPHOLSTERY MATERIALS:** All padding and upholstered seating shall be covered in vacuum formed ready vinyl. Sewn seams in the seat covers and cushions shall not be acceptable.

The color shall be keyed to the mica color selections made.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**5.0.2 SEAT/BACKREST CORE MATERIAL:** The foam shall meet Federal Specification KKK-A-1822F3.11A

Seat cushions shall be economically contoured to fit 95 percentiles of adults. All core material shall be open cell, high resilience foam. The indentation force deflection (I.F.D.) rating shall be between 31 and 35, with a density of 2.5 pounds per cubic foot. Foam with lower density is not acceptable due to poor dimensional memory and low resilience. Foam with higher I.F.D. and density is not acceptable due to the rigidity and low occupant comfort level.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**6.0 ENVIRONMENTAL**

**6.0.1 REAR AIR CONDITIONING:** Air Conditioning is hereinafter referred to as A/C. The module shall have an additional, self-contained A/C evaporator unit complete with dual blower motor driven, high output fans. The fans shall be three speeds and shall contain a 720 CFM fan. The A/C unit shall also incorporate a hot water heater core for heat. Both discharge and return heater hoses shall have automatic, vacuum operated shut-off valves to prevent water/coolant flow through the coil during A/C operation.

The valves shall operate with the heater/defrost controls. The unit shall be rated at least 32,000 British Thermal Units (BTU) in A/C Mode and 36,000 BTU in Heater Mode. The vehicle A/C – Heater system must meet or exceed federal specification KKK-A-1822F 3.13.3 and 3.13.4.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**6.0.2 REAR AIR CONDITIONING CONTROLS:** A three-way ON/OFF switch shall be located in the action area and the cab console. The aforementioned switches will not control fan speed. A separate three-speed fan speed control switch shall be located in the action area control panel.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**7.0 ELECTRICAL SYSTEM – 12 Volt – General**

**7.0.1 MODULE GROUNDING:** A minimum of (2) two braided ground strap shall be through bolted to the chassis frame and the floor structure of the modular body. The bolts shall be at least 3/8" diameter. A flat washer shall be provided under the head of the bolt, over the strap lug. Additionally, an internal tooth lock washer shall preclude loosening. Conventional stranded copper cables are not acceptable because they do not suppress RFI and do not meet SAE J551.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**7.0.2 GENERAL GROUNDS:** To comply with federal specification KKK-A-1822F 3.7.12 plus enhance ground quality and reduce trouble shooting time, all devices wired within the ambulance conversion shall be centrally grounded. Each device shall have a separate ground wire routed to a central buss bar then grounded via fine strand cable to the module boyd. Local grounds are acceptable only when the device is drawing at or less than 100 milliamps (0.1 amps). Locally grounded electrical systems are unreliable and unacceptable.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**7.0.3 12 VOLT WIRE:** All wires within the ambulance harnesses shall meet federal specification KKK-A-1822F 3.7.2 and 3.7.2.1. All wire insulation shall be GXL cross-linked polyethylene. Permanent wire identification and wire function shall be printed on 4" centers along the full length of the wire. Wire conductors shall be stranded copper. Single strand copper conductors are not acceptable due to vibratory concerns and loosening of the terminals.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**7.0.4 WIRE PROTECTION:** All wire within the conversion shall be protected and run in split convoluted loom with a melting temperature of 300 degrees, Fahrenheit. All wire harnesses shall be clamped and routed to eliminate possibility of damage due to

cut/chaffed wire. Grommets made of rubber or plastic shall be used where harnesses pass through metal or wood. Large holes and irregular shaped wire passages shall use automotive edge trim to protect the wire conduit/loom. Wire harnesses shall be neatly clamped into protective routing areas away from heat sources, unfriendly edges or moving devices.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**7.0.5 CIRCUIT BREAKERS:** All conversion 12V circuits shall be protected by nonproprietary, automatic reset, pole breakers. The trip value for the breaker shall not exceed 80% of the amperage rating of the weakest component in the circuit. Branch circuit wire sizes shall be rated 125% of the expected load per KKK-A-1822F 3.7.2.1.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**7.0.6 12 VOLT OUTLETS:** Two 12 volt, direct current, 20 Ampere, cigarette style outlets shall be supplied. One (1) in the action area and the second in the ALS compartment. Each outlet shall be separately protected and shall be electrically isolated from other electrical functions on the vehicle. The outlet shall be wired per federal specification KKK-A-1822F 3.7.7.3.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

## **8.0 INTERIOR LIGHTING**

**8.0.1 ACTION AREA LIGHTING:** A 12-volt Fluorescent light shall be provided directly over the forward, street side work surface. A near flush, 12-inch type fixture shall be provided. The light shall have an on-off rocker switch on the body of the light housing.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**8.0.2 STEP WELL ILLUMINATION:** An interior light shall illuminate the side step will per federal specification KKK-A-1822F 3.10.12.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**8.0.3 PATIENT CABIN DOME LIGHTS:** The patient compartment shall have six dual intensity LED dome lights in the ceiling. The domes centers shall be aligned along two three light banks. The left bank shall provide light directly over the patient; the right bank shall provide light directly over the aisle/squad bench. The dome lights and configuration shall meet KKK-A-1822F 3.8.5.

Does Your Bid Comply?            Yes \_\_\_\_\_    NO \_\_\_\_\_

**8.0.4 CHECK-OUT TIMER:** A 5-minute check-out timer will activate by opening the rear or side entry door when the battery switch is off. One row of dome lights will come on in

the "low" mode.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

## 9.0 COMMUNICATIONS

**9.0.1 COMMUNICATIONS RADIO:** Kenwood Model NX-5900 radio installed and operational, with programming to match the current Monroe County EMS fleet.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

## 10.0 CONSOLES

**10.0.1 CAB CONSOLE:** The ambulance conversion control shall be ergonomically designed, ABS plastic and molded to the contours of the engine cover. Sharp and other unfriendly edges shall be rounded. The console body shall harmonize and compliment the O.E.M. interior. The console shall be easily removed from the engine cover to minimize engine repair time. Accommodations shall include an electronic siren and a contoured switch panel. The siren shall be within easy reach of the passenger and driver. The body of the console shall be color keyed to the O.E.M. interior color. There shall be a gooseneck light attached to the passenger's side of the console.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**10.0.2 CUP HOLDERS:** Two (2) large sized cup holders will be provided at the base of the console.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**10.0.3 SWITCH PANEL, CAB CONSOLE:** A switch panel made from a thick, translucent, acrylic sheet. The acrylic material shall evenly disperse label and indicator illumination. The sheet shall be coated with a black colored, rigid plastic film. A router shall engrave permanent switch legends, switch holes, meter holes, and indicator legends. An Indicator light shall provide warning for the compartment doors open and entry doors open.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

**10.0.4 CLOCK:** There shall be a digital clock installed in the rear action panel.

Does Your Bid Comply?            YES \_\_\_\_\_    NO \_\_\_\_\_

## 11.0 PUBLIC ADDRESS (Visual) AND EXTERIOR LIGHTING

**11.0.1 WARNING LIGHTS:** The warning light system shall meet or exceed KKK-A-1822F. A PSF-100 Ambulance Primary/Secondary flasher by TST shall be provided for LED warning lights. The warning lights shall flash to KKK-A-1822F. All main warning lights shall be 7" high by 9" wide.

LED light heads shall be provided as follow.

(7) Whelen Front Facing 9x7 LED's – R-R/C-C/R-C-C/R-R/C-R w/ Bezel

Side Facing Whelen 9x7 LED's – Red w/ Bezel

Rear Facing, High Mount, Whelen 9x7 LED's – Red w/ Bezel

Center Rear Whelen 9x7 LED – Amber w/ Bezel

Rear Whelen 9x7 LED's w/Bezel to Show thru Rear Windows – Red Front Whelen 3x7 LED's

Intersestion – Red w/ Bezel Grille Whelen 3x7 LED's in Cast Housings – Red Rear Whelen 3x7

LED's Rear Wheel Well – Red/Amber

There shall be a Code 3XL headlight flasher installed with a separate switch on the front console.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**11.0.2 COMPARTMENT LIGHTING:** One (1) light shall be mounted in each compartment. The lights shall be surface mount and shall utilize standard bulbs. Each light shall not draw more than 2.1 amperes at 12 volts. The light in the back-board compartment shall be recessed flush.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**11.0.3 TAIL LIGHTS:** Whelen 6x4 LED Tail/Brake, Turn Signals and Reverse Lights shall be installed w/ Bezels.

The lights shall be a stacked orientation, above the diamond plate kick panel, with the top light Brake/Tail (Red), then Turn (Amber Arrow) and the bottom reverse (Clear).

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**11.0.4 I.C.C. LIGHTS:** Weldon LED Clearance lights shall be provided per FMVSS and D.O.T. standards. The lights shall illuminate the height of the vehicle, the width and define the vehicle centerline.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**11.0.5 TAG LIGHT:** The tag area shall be illuminated with the park light circuit.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**11.0.6 SCENE LIGHTS:** Two scene lights shall be provided on each side of the module. The lights shall be Whelen 9x7 w/Bezels with 13-degree downward illumination. The right-side lights shall come on when the curb side entry door is opened. All lights shall come on with (2) two separate, right and left scene rocker switches in the cab console.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**11.0.7 LOAD LIGHTS:** Two load lights shall illuminate the rear of the module. The lights shall be Whelen 9x7 w/ Bezels with 26-degree downward illumination. Both lights shall come on with the leading rear access door, reverse or the switch in the cab console.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**11.0.8 SPOT LIGHT:** A hand held 500,000 candle power, blue eye spot light shall be provided in the cab. Additionally, a chromed hook with spring retainer shall be included to stow the light.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

## **12.0 PUBLIC ADDRESS (Audible)**

**12.0.1 BACK UP ALARM:** The apparatus shall include a 97 to 107 decibel back up alarm, activated by shifting into reverse. The backup alarm shall include a rocker type cut-off switch

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**12.0.2 ELECTRONIC SIREN:** The siren shall be a 200-watt Whelen HFS-7 mounted in the engine cover console. The siren speakers shall not block air-flow into the grille per the OEM chassis manufacturer's guidelines. The speaker shall be dual 100-watt drivers and shall emit through Cast products speakers located below the front bumper. The cast aluminum grille work shall be aesthetically pleasing. The siren and speakers shall meet or exceed KKK-A-1822F 3.14.6 Aftermarket ABS grille is not acceptable due to the availability for part replacement from a local supplier.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

## **13.0 110-VOLT SYSTEM**

**13.0.1 PRIMARY SHORE LINE INLET:** A 110-volt, 20-amp (20A) shore line inlet shall be provided on the module left, positioned in front of the left front compartment facing the

street side. This inlet shall supply power to all 110-volt outlets, and engine block heater. The inlet shall be grounded to keep continuity with the buildings G.F.I. breaker. The inlet shall have a spring loaded, weatherproof cover over the inlet. The inlet must be male. An engraved placard or permanent vinyl label, stating voltage and amperage, shall be located over the inlet.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**13.0.2 INVERTER:** A Vanner 20-1050 inverter/battery charger shall be installed. There shall be a single on/off switch located on the rear action panel.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**13.0.3 110-OUTLET NO. 1:** A 110-volt, Hospital Grade, Straight blade outlet shall be provided on the wall of the main Action Area.

The outlet must be grounded and protected by a G.F.I. (Ground Fault Interrupted) Breaker. Additionally, the outlet body must illuminate when power is applied to the outlet.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**13.0.4 110-OUTLET NO. 2:** A 110-volt, Hospital grade, Straight blade outlet shall be provided in the ALS cabinet. The outlet must be grounded and protected by a G.F.I. Breaker. Additionally, the outlet body must illuminate when power is applied to the outlet.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**13.0.5 110-OUTLET NO. 3:** A 110-volt, Hospital grade, Straight blade outlet shall be provided in the rear action area. The outlet must be grounded and protected by a G.F.I. Breaker. Additionally, the outlet body must illuminate when power is applied to the outlet.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

## **14.0 OXYGEN, AIR, AND VACUUM SYSTEMS**

**14.0.1 MAIN OXYGEN CYLINDER PROVISIONS:** One oxygen cylinder shall be carried and secured, vertically inside the left front exterior compartment.

A rust-free cylinder rack with (2) heavy duty ratchet tightened, web straps shall be type tested to AMD Test 003 – Oxygen Tank Retention System Test and meet Federal specification KKK-A-1822F 3.12.1.

The cylinder valve shall also be visible and accessible from the inside through a clear polycarbonate door.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**14.0.2 OXYGEN OUTLETS:** Two Oxygen outlets shall be provided in the action area panel. The outlet latches shall be Ohio style, quick release.

One Oxygen outlet shall be located on the wall above the forward section of the squad bench. Outlet shall be Ohio style, quick release.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**14.0.3 OXYGEN HOSES:** All oxygen system service hoses, fittings and devices shall be made of non-ferrous materials. Hoses used to pipe Medical Oxygen shall be ¼” inside diameter with an abrasion resistant, green colored outer jacket.

All hoses shall withstand a system test pressure of 150 PSI/1033 kPa test prescribed in Federal specification KKK-A-1822F 4.4.6. Each ambulance shall be tested. “Type testing/Certification” is not acceptable.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**14.0.4 VACUUM (SUCTION) SYSTEM:** A 12-volt electric vacuum pump will be installed in the left front bottom cabinet E. The pump shall meet performance guidelines set forth by federal specification KKK-A-1822F 3.12.3. A variable vacuum regulator and gauge panel shall be installed in the action area control panel. The vacuum regulator shall vary vacuum delivered to a Rico RS4 collection jar that uses bags. The vacuum gauge shall not be mounted on the collection jar itself.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

**15.0 STRETCHER AND LOCKING SYSTEM:** Each unit will have a new Stryker 6500 power cot, also battery charger and two (2) batteries. Each unit will also have installed the new locking system required by the State of Tennessee.

Does Your Bid Comply? YES \_\_\_\_\_ NO \_\_\_\_\_

Any additional questions concerning specifications or bid packet may be directed to Gary Smith, Monroe County EMS Director at 423-442-4063 or at [gary.smith@monroetn.com](mailto:gary.smith@monroetn.com)

**PRICING**

Price should be quoted as of September

**TOTAL PRICE** \_\_\_\_\_

**PLEASE INDICATE THE NUMBER OF DAYS REQUIRED TO DELIVER THE SPECIFIED VEHICLE AFTER AWARD OF BID IN THE SPACE PROVIDED BELOW.**

**Delivery Days** \_\_\_\_\_

**WARRANTIES:** Please specify warranties on ambulance in space provide below.

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**PAYMENT**

Payment in full, upon delivery and inspection of vehicles.

**REFERENCES**

**Please provide three government references preferably within the state of Tennessee for whom your company has provided ambulances within the last three years.**

**Name:** \_\_\_\_\_ **Phone Number:** \_\_\_\_\_

**Address:** \_\_\_\_\_

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**Name:** \_\_\_\_\_ **Phone Number:** \_\_\_\_\_

**Address:** \_\_\_\_\_

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**Name:** \_\_\_\_\_ **Phone Number:** \_\_\_\_\_

**Address:** \_\_\_\_\_

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**MUST BE SUBMITTED IN BID PACKET**

1. Three references in the space provided above.
2. W-9

**BIDDER INFORMATION:**

Name of Bidder:

\_\_\_\_\_

(Typed or Printed: Firm, Corporation, Business or Individual)

Business Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Business has been in business under its present name since: \_\_\_\_\_

At this present time we understand all requirements and state that as a serious bidder we will comply with all the stipulations included in this package.

The above named bidder affirms and declares:

1. That the bidder is of lawful age and that no other person, firm or corporation with other person firm or corporation has any interest in this Bid/Proposal or in the contract proposed to be entered into.
2. That this Bid/Proposal is made without any understanding, agreement, or connection with any other person, firm or corporation making a proposal for the same purpose, and is in all respects fair and without collusion or fraud.
3. That the bidder is not in arrears to Monroe County upon debt or contract and not a defaulter, as surety or otherwise, upon any obligation to Monroe County.
4. That no officer or employee whose salary is payable in whole or in part from the County Treasury shall be or become interested, directly or indirectly, surety or otherwise in this proposal, in the performance of the Contract, in the supplies, materials, equipment and work or labor to which they relate, or in any portion of the profits thereof.
5. That the successful bidder understands that this purchase will be made through a leasing company of Monroe County's choice and that the Purchase Order and payment will be issued by the designated leasing company.

BIDDER: \_\_\_\_\_

BY: \_\_\_\_\_

(Authorized Signature in Ink)

PRINTED NAME OF SIGNER: \_\_\_\_\_

TITLE OF SIGNER: \_\_\_\_\_

DATE SIGNED: \_\_\_\_\_

PHONE NUMBER OF SIGNER: \_\_\_\_\_