

Anderson County Government

Request for Bids

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Bid No.: 4909

Date Issued: September 18, 2018

**Bids will be received until
2:30 p.m. Eastern Time on October 16, 2018**

Sealed bids are subject to the General Terms and Conditions of this bid, and any other data attached or incorporated by reference. Bids will be received in the Anderson County Purchasing Office until the date and time specified above, and at that time publicly opened and read aloud.

ANDERSON COUNTY RESERVES THE RIGHT TO WAIVE ANY INFORMALITIES
IN OR TO REJECT ANY OR ALL PROPOSALS AND TO ACCEPT THE PROPOSAL DEEMED
FAVORABLE AND IN THE BEST INTEREST OF ANDERSON COUNTY.



Natalie Erb, Director of Finance

BID DESCRIPTION

Bid for Type III 170 Ambulance for EMS.

Vendors are to submit one (1) original and two (2) exact copies of their response.

Contact Purchasing in writing with any questions. Refer to General Terms and Conditions Section 1.2.

Anderson County EMS



Clinton, TN

AMBULANCE SPECIFICATION

**EMERGENCY MEDICAL VEHICLE
TYPE III (4X2) DRW**

TYPE III

**DESIGNED TO MEET OR EXCEED THE LATEST REVISION OF
KKK-A-1822-F**



Bid #4909 – Type III 170 Ambulance

Anderson County seeks bids for Type III 170 Ambulance. Pricing is requested for different quantities. Anderson County reserves the right to reject any and all bids and may award based upon most compliant bidder to this specification. Not subjected to lowest cost bidder. Bidder may not take exception out of convenience.

The following questions shall be completed by the bidder with the understanding that false or misleading information will be grounds for rejection of your bid.

Project completion date shall be _____ working days from clean order.

Has the bidder taken any exceptions to the specifications? YES ___ NO ___

Are all deviations from specifications explained as required? YES ___ NO ___

Vendor Name: _____

Manufacturer: _____

Address: _____

City, State, Zip Code: _____

Signature Authorized Representative: _____

Print Name: _____

Title: _____

Date: _____ Telephone Number: _____

Price for 1 (one) Type III 170 Ambulance: _____

Price for 2 (two) Type III 170 Ambulances: _____

Price for 3 (three) Type III 170 Ambulances: _____

Price for 4 (four) Type III 170 Ambulances: _____

1. GENERAL

1.01 Scope

The ambulance specification documented here establishes requirements for a new automotive emergency medical services (EMS) ground vehicle used for out-of-hospital medical care and patient transport. The term *new* as applied in this standard is intended to refer to the original construction of an ambulance using all new materials and parts. Bidders shall not propose ambulances that are refurbished or remounted.

1.02 Purpose

The purpose of this document is to specify the purchaser's requirements, performance parameters, and essential criteria for the design of this ambulance. This document shall layout exacting details and shall have accompanied drawings to clearly and accurately specify the ambulance.

1.03 Application

This specification shall apply to vehicles intended for primary use of emergency operations, but will be used in both emergency and non-emergency operations.

1.04 Equivalency

This specification is intended to provide the bidder the guidelines and parameters of the ambulance to be purchased. Many of the components specified here can be procured from common vendors. In those instances, the model or brand specified shall be used. The bidder is encouraged to propose a like model for those items in this specification which they cannot comply to. Alternative construction and design methods detailed by the bidder shall not be cause for automatic rejection. The specification for this ambulance has a desired level of quality and workmanship. In instances where exceptions and clarifications are necessary, detailed descriptions and photographs may be used.

1.05 Exceptions

Each section requiring a response shall be marked by the bidder to acknowledge acceptance and compliance to the specification. Should the bidder choose not to comply with the specified requirements, the bidder shall disclose to the purchaser what they are offering in comparison. Exceptions to the proposal shall be documented in a centralized location in this bid proposal. The exceptions section of the proposal shall include the section heading, the page number and a detailed description of what shall be proposed by the bidder. Bidders taking 'total exception' shall not be allowed and will be considered unresponsive as these disregards the purchasers request of a comparable product. Exceptions with descriptions claiming they meet or exceed the specification with no backing documentation will be considered non-responsive and subject to disqualification.

1.06 Drawings

The ambulance proposal shall include computer aided design (CAD) drawings for the model specified here. Two dimensions (2D) sales drawings shall be acceptable for this proposal. The bidder shall not accept standard model or generic drawings as these are not an accurate

depiction of the vehicle specified. Drawings provided “upon request” shall not be permitted by the purchaser.

Upon acceptance of the proposal and finalization of the order, the bidder shall have three dimensions (3D) models to complete the ambulance. These 3D models shall be available to view at the purchasers request during the build process. To maintain a level of quality and craftsmanship, the entire ambulance shall be modeled with 3D CAD software before any fabrication begins. Manufacturers utilizing a different engineering method shall document this in the exceptions section of this document.

1.07 Referenced Publications

This specification specifically sites documents or portions of documents listed below. It is the bidder’s responsibility to ensure the ambulance proposed meets the requirements set forth in these documents.

1.08 Responsibility of the Purchaser

It shall be the responsibility of the purchaser to consider the amount of equipment and personnel that will be carried on the ambulance and to specify a minimum usable payload that will accommodate this weight once the ambulance is placed in service if this weight exceeds standard regulations. It shall be the responsibility of the purchaser to specify any details of the ambulance that would exceed the minimum specifications of those standards. After acceptance of the ambulance, the purchaser shall be responsible for ongoing training of personnel to develop and maintain proficiency regarding the proper and safe use of the ambulance and its associated equipment.

1.09 Responsibility of the Contractor

The bidder shall provide a detailed description of the ambulance with the proposal along with a list of equipment to be furnished. Documentation of all testing data detailed in this specification shall be included in the bid proposal. Failure to comply with this requirement is considered to be non-responsive and will be subject to rejection for this cause.

The bidder’s detailed description shall include exceptions and clarifications clearly defining each section of the proposal that are not fully compliant with the requirements of detailed specification defined here.

Responsibility for the ambulance and customer supplied equipment shall remain with the contractor until they are accepted by the purchaser.

1.10 Manufacturing Capability

The ambulance manufacturers shall use a continuous flow production system to assemble their models of ambulances. The advantage of this continuous flow system is the entire assembly of the vehicle is broken down into logical assembly phases to which resources are attributed and properly trained. A description of the manufacturer production system shall be included.

The manufacturer supplier base shall be horizontally integrated. Therefore, the manufacturer shall have a light supplier base able to supply the manufacturer with a vast array of components. The advantage of horizontally integrated suppliers is being able to meet production demands during peak periods without the need to hire untrained personnel.

The ambulance manufacturer is to have documented consistent experience with building in accordance with these specifications and construction products. At least 80% or greater of all ambulances built in a year are to be of aluminum and/or fiberglass interior. This is to

ensure that accuracy, consistency and experience with building an ambulance with both exterior and interior aluminum and/or fiberglass construction design is in place and routine.

The ambulance manufacturer is to have routinely built at least 400 or more ambulances of varying models, but of this type construction, each year for the last five (5) years consecutively. The manufacturer shall also provide a list of like models to the purchaser upon request.

1.11 Schedule

The manufacturer shall be able to schedule the ambulance into its production cycle to give an accurate deadline of completion from the time of the signed accepted order. The bidder shall include the proposed lead time for the completion unit and other important milestones in a Gantt chart.

The manufacturer shall not be held liable for changes arising from its failure to make or delay in making delivery because of fire, flood, strike, riot, chassis shortage, accidents, acts of force majeure, or any circumstances beyond the bidding manufacturer's control.

Manufacturer shall be responsible for delivery of ambulance upon completion to Anderson County, TN.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.12 Quality Processes

A manufacturer's internal quality process system shall be in place. This quality processed system shall conform to ISO-9001 specifications. To ensure the quality system is continually maintained the manufacturer shall be audited by an independent agency. Documentation on this internal quality process system shall be provided.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.13 Ambulance Components

All components shall be installed in accordance with the applicable manufacturer's installation instructions. The emergency medical care vehicles, including chassis, equipment, devices, medical accessories, and electronic equipment shall be standard commercial products, tested and certified to meet or exceed the requirements of this standard. Vehicles shall be free from defects that may impair their serviceability or detract from appearance. All bodies, systems, equipment, and interfaces with the chassis shall be done in accordance with OEM best practices.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.14 Warranty

The manufacturer shall include documentation of all warranties pertaining to the new ambulance. Each warranty shall be specifically detailed and shall describe what exactly is

covered under the specified warranty. Warranties must be described and detailed in exact times (e.g years, months, days).

- Module Structure: _____
- Paint: _____
- Electrical: _____
- Materials and Workmanship: _____
- OEM Materials: _____

A written statement of each of the manufacturer’s warranties shall be provided with this bid proposal.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.15 Documentation

All documentation delivered with the ambulance shall either be printed format, electronic format, audiovisual format or any combination of these forms of media. The documentation shall be provided in a centralized manual, binder or CD. All documentation shall be clearly labeled and shall be easy for the purchaser to review as necessary.

The ambulance manufacturer shall deliver with the ambulance at least one (1) copy of the following documents:

1. The manufacturer's record of ambulance construction details, including the following information:
 - a. Owner's name and address
 - b. Ambulance manufacturer, model, and serial number
 - c. Chassis make, model, and VIN
 - d. GAWR of front and rear axles and GVWR
 - e. Front tire size and total rated capacity in pounds (kilograms)
 - f. Rear tire size and total rated capacity in pounds (kilograms)
 - g. Engine make, model, serial number, rated horsepower and torque
 - h. Type of fuel and fuel tank capacity
 - i. Electrical system voltage and alternator output in amps
 - j. Battery make, model, and capacity in cold cranking amps (CCA)
 - k. Chassis transmission make, model, and serial number
 - l. Ratios of all driving axles
 - m. Maximum governed road speed
 - n. Paint manufacturer and paint number(s)
 - o. Company name and signature of responsible company representative
 - p. Documents from a certified scale showing curb weight on the front axle and rear axle(s) (done after construction is completed, and without personnel and equipment)
2. Certification of compliance of the optical warning system
3. Siren manufacturer’s certification of the siren
4. Written load analysis and results of the electrical system performance tests
5. Certification of slip resistance of all exterior stepping, standing, and walking surfaces

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.16 Operations and Service Documentation

The manufacturer shall deliver with the ambulance at least one (1) set of complete owner/operator manuals. These manuals shall also include service documentation covering the completed ambulance as delivered and accepted.

The owner/operator manual shall include the inspection, service, and operations of the ambulance of all major components thereof. The documentation listed here shall be for each ambulance delivered and shall contain the following information:

1. Manufacturer's name and address
2. Country of manufacture
3. Source for service and technical information
4. Parts replacement information
5. Descriptions, specifications, and ratings of the chassis
6. Wiring diagrams for low voltage and line voltage ambulance-specific systems to include the following information:
 - a. Pictorial representations of circuit logic for all electrical components and wiring
 - b. Circuit identification
 - c. Connector pin identification
 - d. Zone location of electrical components
 - e. Safety interlocks
 - f. Alternator–battery power distribution circuits
 - g. Input/output assignment sheets or equivalent circuit logic implemented in multiplexing systems
7. Lubrication charts
8. Operating instructions for the chassis, any major components
9. Instructions regarding the frequency and procedure for recommended maintenance
10. Overall ambulance operating instructions
11. Safety considerations
12. Limitations of use
13. Inspection procedures
14. Recommended service procedures
15. Troubleshooting guide
16. Ambulance body, chassis, and other component manufacturer's warranties
17. Special data required by this standard
18. Material safety data sheet (MSDS) for any fluid that is specified for use on the ambulance

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.17 Certification and Payload Signage

The complete ambulance shall have a certification and payload label. This label shall be mounted on the body (module) interior in a conspicuous location. The completed ambulance shall have a payload calculation form.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.18 Dimension Labeling

The completed ambulance manufacturer shall provide a high-visibility label showing the dimensions of the ambulance and the GVWR of the competed vehicle. This label shall be located in a location easily found by the driver.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.19 Component Protection

All manufacturer or supplier supplied hose lines, air system tubing and electrical harnesses shall be mechanically attached to the frame or body structure of the ambulance. All exposed tubing, electrical wiring and hoses shall be contained in a loom or an insulated covering on both the exterior and interior of the ambulance. Where hoses and electrical wiring looms are passing through metal edges; a protective grommet shall be installed in the hole to prevent premature wear on the loom or hose. Exposed wires and hoses shall not be permitted as this poses a potential hazard and could cause premature failure of critical components on the completed ambulance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.20 Personnel Protection

Protection in the form of guards and shields shall be provided on the completed ambulance to prevent injury of personnel by temperature sensitive, moving, or rotating parts during non-maintenance operations. Access to these areas shall be restricted yet still accessible for qualified technicians to perform maintenance when necessary.

Electrical insulation or isolation shall be provided on all electrical components to prevent electrical shock from onboard electrical systems. Electrical systems and wiring shall be properly secured in the electrical control panel to prevent accidental entry or storage in these areas.

The completed ambulance shall be free of sharp edges and protrusions that could injure during routine maintenance or while the vehicle is in motion.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.21 Liability

The bidding manufacturer shall furnish a Certificate of Insurance showing an aggregate of liability insurance which shall not be less than ten million dollars (\$10,000,000.00). This general liability Certificate of Insurance shall be provided by the manufacturer's insurer. Failure to provide a Certification of Insurance shall be considered non-responsive and cause for rejection of the proposal.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

1.22 Service Parts and Warranty Capability

Bidders authorizing local service centers will be cause for a lower level of consideration by Purchaser. It is preferred that the bidder provide this service direct for consistent and quick repairs as not to be farmed out. Details of service capability will be provided with proposal, to include if the bidder is providing this service direct or indirect. This will include:

- 1. Facility Name, Address, Phone Number, & Primary Contact
- 2. Size of Facility
- 3. Number of employees and certifications/training credentials
- 4. On Site Field Service Capabilities
- 5. Photos of actual facilities
- 6. 24/7/365 Emergency Service Hotline

It is a high priority to the purchaser to be able to maintain our fleet and minimize critical failure issues and have access to quick repairs. To assist in prompt repairs to our fleet successful vendor must meet the following service and maintenance requirements. Greater consideration will be given bidder that has a comprehensive ambulance module repair facility to administer warranty repair and stock in house parts. Bidder must offer this direct service within their coverage area.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

Bidder must be recognized as the authorized provider of ambulances and service for the purchaser’s state.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

24/7 FIELD SERVICE TECHNICIANS - EMERGENCY SERVICE: Purchaser prefers that the vendor have on site mobile service vehicle fleet with factory trained EVT technicians. Fully stocked with common service items as necessary available 24 hours a day 7 days a week. All module repairs must be performed via a factory trained technician. Vendor shall include pictures of their service fleet vehicles, facility & comply with the form below.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

Bidders must list their service facility profile and credentials to the purchaser below

Factory Authorized Facility Name: _____

Full Time Service Manager Name: _____

Full Time Parts Manager Name: _____

Daytime Phone Number: _____

24 hr Emergency Service Number: _____

24 hr Monitored Email Link: _____

Factory Authorized Mobile Service Techs: _____

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

2 TEST AND CERTIFICATION

2.01 Testing Capabilities

The ambulance manufacturer shall be equipped to do a majority of the ambulance testing at their facility. All pull tests, load tests, lighting level tests and noise level tests shall be done at the manufacturer's facility. The manufacturer shall have a full range of testing equipment proven by an independent engineering agency.

In-house testing facilities are preferred by this purchaser as this gives the manufacturer flexibility to perform tests on various designs and iterations on a continual basis. All testing shall be audited and documented by an engineer, which will all be accredited under the board of engineering and technology of their respective state or province.

If the Ambulance manufacturer does not have its own testing facility on-site, a detailed description of how continual testing is provided shall be detailed in the bid proposal.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

2.02 Testing Requirements

The bidding manufacturer shall be capable of passing testing certifications for North America. All testing performed shall meet or exceed the highest requirement set forth in any of the North American standards listed here. The manufacturer shall be able to provide testing or certification results for the following requirements.

Copies of testing documentation and certification for the Ambulance Manufacturers Division of the National Truck Equipment Association (**AMD**) requirements shall be provided with this proposal:

Copies of different vehicle certifications for the following vehicle specifications shall be provided with this proposal:

- **KKK:** Federal Specification for the Star of Life Ambulance (KKK-A-1822)
- **FMVSS:** US Federal Motor Vehicle Safety Standards and Regulations
- **DOT:** US Department of Transportation

Any manufacturer who exceeds these specifications is welcomed to provide data. However, it needs to be useful in the application of the purchaser to be considered a plus.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

2.03 Additional Testing Requirements

In addition to the above mentioned testing requirements in section 2.02, the following tests shall be conducted on the specific model, passed and documented.

2.03.1 Additional AMD Testing Requirements

- **AMD 004: Cot Retention Pull Test**
Above and beyond the minimum required 2200 lbs., the bidding manufacturer must have completed a cot retention pull test to meet or exceed 10 times the weight of the cot plus the cot hardware and the weight of a male patient in the 90th percentile per the current NIHS / CCHS data. The minimum requirement may vary, depending on the specific cot (Ferno or Stryker) and cot hardware. Results for both brands must be provided.
- **AMD 006: Sound Level Test**
Above and beyond the minimum requirement of 80 decibels or less as tested in the patient compartment, the bidding manufacturer must also perform a sound level test in the front cab, with windows opened 6 inches and reach a minimum requirement of 89 decibels or less. Another sound level test in the front cab must be done with windows closed while reaching a minimum of 84 decibels or less.
- **AMD 008: Patient compartment Grab Rail Test**
Above and beyond the minimum requirement of a 300 lbs pull test on the overhead ceiling grab rail, the bidding manufacturer must perform pull tests **on each grab handle** inside the patient compartment. All grab handles and overhead grab rails will be pull tested to 500 lbs., however it is important to mention that deformation may occur at 500 lbs.
- **AMD 012: Interior Climate Control Test**
Heating
Minimum Requirement: From 32°F to 68°F in 30 minutes or less
Above and beyond the minimum requirement, the bidding manufacturer must show that the test began at 1°F and reach 68°F in 30 minutes or less.

Air Conditioning
Minimum Requirement: From 95°F to 78°F in 30 minutes or less
Above and beyond the minimum requirement, the bidding manufacturer must perform the exact same test and reach 78°F in 20 minutes or less.
- **AMD 013: Weight Distribution**
Above and beyond the minimum requirement of having 20% or more GVWR on the front axle, the bidding manufacturer will need to meet or exceed a minimum of 30% GVWR on the front axle. This added front axle weight distribution is a critical safety aspect in terms of added traction, braking capacity and increased handling capabilities.

2.03.2 *Additional Testing Requirements*

- **Safety Net and Safety Net Anchor Points Pull Tests**

The bidding manufacturer will need to meet or exceed a pull test on the safety net of 3000 lbs. The bidding manufacturer will also need to meet or exceed a pull test of the safety net anchor points of 6000 lbs., with each anchor point being subject to an equal amount of force.

Test Scope – Anchor Points

Attach a force application device to each fastener and applied the required load in a plane parallel to the fastener. Repeat the test procedure while applying the load perpendicular to the initial plane. Examine and record the results.

Test Scope – Safety Net

Apply a force in a forward direction at the center of the net using a suitable solid block to distribute the load. Examine and record the results.

- **Street side Cabinetry Pull Test**

The bidding manufacturer will need to meet or exceed a pull test on the street side medical cabinetry equivalent to 25 times the weight of the cabinet and action wall assembly or, in the case the cabinets are individual components of the wall assembly, the sum of every individual cabinet plus the cabinet shelves and action wall, in both lateral and longitudinal axis', with the force equally dispersed on the surface of the cabinet. The pull test shall be conducted on a final assembled cabinet installed in a similar module.

Test Scope – Street Side Cabinetry Pull Test

Apply the required force to the component using a force application device such that the force is spread equally over the fasteners. Apply the force in a lateral direction. Observe and record the results. Repeat the test procedure by applying the force in a longitudinal direction. Observe and record the results.

- **Equipment Restraint Devices Pull Tests**

The bidding manufacturer will need to meet or exceed a pull test on any and all equipment restraining device, such as fasteners, O2 brackets or belts. The pull test will be a minimum of 10 times the weight of the restraint device and the restrained equipment.

Test Scope – Equipment Restraint Devices

Document and calculate the weight of the equipment and the equipment restraint to be pull tested. Apply the calculated force on each different installation in a parallel and perpendicular plane to the initial plane of the fasteners.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

2.04 Certification Documents

Certification letters submitted for the ambulance model, components, and equipment being certified shall contain the following information on contractor's letterhead stationery in electronic format (pdf files):

1. To whom certifying
2. Date
3. Units or items
4. Contractor and address
5. Date product tested
6. Model number and specification data
7. Applicable specification references and test requirement
8. Summary of the test report
9. A certifying statement with official signature by a recognized and certified engineer

The testing documentation for each certification shall include the following supportive verification data and information on letterhead stationery in electronic format (pdf files):

1. For whom tested
2. Report date
3. Name of sample product or device
4. Contractor's address
5. Serial and model number(s)
6. Specification referral and amendment number(s), and test requirement(s)
7. Test facilities used and location
8. Test equipment used
9. Test procedure
10. Test results
11. Verifying test data
12. Photographs
13. Test conclusion(s)
14. Witness(es)
15. Authorized signature

Certification documentation shall be delivered with the ambulance, including results of the certification tests. Each model the manufacturer offers shall be tested and certified. The purchaser will not accept testing certification on the largest model size as a "blanket certification" for all models without detailed justification and/or calculation. A testing equivalency can only be used if a signed & approved letter is provided, explaining the build philosophy and testing requirements proving the test equivalency.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3. CONSTRUCTION AND DESIGN DETAILS

3.01 Interior Safety

All equipment and accessories installed must be designed and affixed so as to maximize the safety, security and ergonomics of the attendants, patients and passengers.

3.01.1 All exposed edges and corners without padding shall be rounded with the largest possible radius or chamfer.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.02 Bolsters

All bolsters are to be approximately two inches thick, minimum of 2.4 lbs. per 0.028 cubic yard density foam on an approved backing with a covering (acceptance standard is Morben Dauphine vacuform vinyl P/N 2567-XEK), that is of a color-coordinated, heavy duty, fire retardant, washable, seamless, thermo-formed, non-absorbent material.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.03 Equipment Retention

The jump kit cabinet must be secured with doors that allow easy access to all EMS response kits from within the patient module or from curbside exterior. Doors must remain secure when the ambulance is moving.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.04 Cabinet Construction

- A) All interior cabinets shall be constructed of powder coated aluminum.
- B) Adjustable powder coated aluminum shelving shall be securely bolted to Unistrut rails.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.05 Interior Finishes

To the greatest extent possible, the interior walls and ceiling of the ambulance are expected to present a simple plain surface. This requirement applies in particular to the surfaces (cabinet fronts, doors, windows, cushions, etc.) that make up the front wall of the patient compartment.

The interior of the patient and driver compartments must be free of all sharp projections. All hangers or supports for equipment, lighting, controls and other devices must be mounted as flush as possible with the surrounding surface. Padding is expected to be placed at all head areas and obstructions that may prove dangerous to persons moving about in the ambulance. All exposed edges will either be padded or rounded to have a 1-inch radius.

The interior of the ambulance must be designed and constructed to minimize containment areas for the incubation of pathogens — either air borne or transmitted in fluids

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.06 Oxygen Tank Retention

Holders for a minimum of one (1) "M" aluminum oxygen cylinder and a minimum of four (4) approved aluminum "D" or "E" sized oxygen cylinders must be installed in the forward driver's side exterior compartment. The holders must be able to accommodate multiple brands of aluminum oxygen cylinders. They must comply with all criteria for oxygen retention.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.07 Vehicle Weight

- A) GVWR 14,500lbs, and to include all components and requirements included in **Ford E450 Gas, "Ambulance Prep. Pkg."**
- B) Wheelbase = 158 in.
- C) Axles Ratios: Ford 4.56

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.08 Weight Distribution

The weight distribution of the completed EMS vehicle, when measured at curb weight, shall comply with the chassis manufacturer's requirements and the AMD 013 standard. The manufacturer will attach a signed certification tag that states the system has successfully met the test requirements.

3.08.1

In the absence of specific OEM values, the weight distribution for the completed EMS vehicle, when calculated on a level service or device, shall be such that not less than 30% or more than 50% of the vehicles weight is on the front suspension.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.09 Payload Requirements

A minimum of 2,500 lbs. payload allowance shall be provided over and above the vehicle curb weight which is to include all items in these specifications. Payload consists of four persons (calculated at 175 lbs. per occupant) and appropriately distributed support supplies and devices.

3.09.1

Bidder to complete the following:

Estimated Ambulance Weights at Delivery

Curb Weight – Front _____ lbs.

Curb Weight – Rear Axles _____ lbs.

Calculated Payload Capacity _____ lbs.

3.09.2

The vehicle payload shall meet or exceed that called for in the current KKK-A-1822F specification. The vehicle manufacturer shall, upon notice by this purchaser, provide a

written statement from an independent engineer that the model being offered has met this set of criteria. Before delivery of the completed unit the manufacturer shall weigh the vehicle. A written statement of those weights shall be affixed to the inside of the street side mid body compartment door. This purchaser reserves the right to have the finished vehicle weighed independently upon delivery. If it is found that the written statement of weight provided by the manufacturer is inaccurate beyond what may be reasonably explained as a slight difference in the calibration of the scales, then the vehicle will be rejected. It should be noted that this purchaser, while interested in attaining the greatest possible payload, is unwilling to compromise on the structural requirements of a strong, durable, and safe body. All bidders must understand these factors supersede concern over payload, and that the lightest body (greatest payload) will not necessarily be deemed sufficient to meet the stringent quality and safety requirements set forth herein.

3.09.3

Upon delivery, each ambulance is to include a weight distribution report showing front, rear, left, right analysis and total weight of the vehicle.

3.09.4

Weight distribution for the completed vehicle shall be such that the weight between the right and left wheel, of a given axle, shall be within 5% of each other.

3.09.5

This tolerance is calculated as follows:

- 1. Obtain the curb weight of each wheel on a given axle:
 - i) Divide the weight of each wheel by the total curb weight of the axle.
Times(X) 100 = the % of weight on each side;
 - ii) Subtract the smaller percentage from the larger result;
 - iii) If the difference is 5% or less then the vehicle has complied with the required weight distribution.

3.09.6

Center of Gravity – the manufacturer shall determine the center of gravity of the fully converted EMS vehicle and confirm in this bid that it complies with the “CG” parameters as set out by the original producer of the chassis.

3.09.7

Ballast – the use of ballast(s) to achieve the specified weight distribution and/or center of gravity is not permitted.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.10 Loading Height

It is **mandatory** that the loading height from the ground to the deck/floor of the module where the cot and cot retention system will sit, must be 32.0 inches or less when the vehicle is loaded with equipment.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.11 Bumper and Steps

Mounted on the rear of the vehicle shall be an all-aluminum step bumper. The bumper shall be impact absorbing and the center section to be a flip-up step. Step surface shall be slip resistant. Bumper shall be fully welded and constructed to withstand the following forces.

The bumper shall be designed in such a way that in case of minor impact the bumper will slide underneath the module and reduce the chances of damage to the module itself. The bumper shall also be designed to be completely bolted to the chassis frame and not welded, so that for maintenance repairs the bumper can be easily removed and replaced.

Bumper shall be constructed of all aluminum materials to maintain weight savings. It shall be fully welded utilizing 2 X 2 inch and 2 X 3 inch tubes, 2 X 3 inch association channel. Also included for added strength will be formed 1/4 inch gusset plates. The outside corners shall be 2 X 2 inch tubes formed with an 8 inch radius for added strength. The outside corners shall be covered in .100 aluminum diamond plate.

The center section will be made of 10-inch nonskid aluminum step material. This center section shall have pivot hinges that allow the step to flip up for patient loading.

The bumper shall be bolted directly to the chassis frame. Welding additional steel to the chassis frame rails will not be acceptable as it adds additional weight and welding tends to weaken the steel frame rail. In addition, an isolation material must be supplied between the aluminum bumper and steel frame for electrolysis prevention.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.12 Rear Bumper Guard

Bolted to the bumper shall be two (2) hard rubber dock bumper guards. They shall measure approximately 2 X 4 inches

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.13 Tow Hooks

Bolted to the bumper frame shall be two (2) Tow Hooks.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.14 Side Entry Step

Entry through curbside patient door. There shall be a recessed step well located at the curbside module entrance door. The step well shall include a 9 inch deep, polished aluminum diamond plate step. A continuous three sided kick plate consisting of polished aluminum diamond plate shall be installed on the sides and rise to the height of the interior floor. Dri-deck flooring or rubber floor matting is to be installed over the bottom of the aluminum stepwell. In addition, the stepwell will be lit by a LED light controlled by the curb side patient door switch.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.15 Running Boards

A combination running board and splash guard shall be constructed for the front of the module. It shall be made of 10 inch wide high traction grip strut and .100 diamond plate. It shall be welded as a complete assembly then bolted to the chassis. Running Boards must have a minimum of 11.0” clearance between the bottom edge of the running board and the ground.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.16 Fuel Filler

Mounted to the side of module shall be an all-aluminum gas filler housing. Housing shall be attached using plastic grommets.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.17 Fuel Filler Protection

The area below the chassis fuel fill shall be covered with a stainless steel splash shield. This shield shall be completely sealed.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.18 Fender Flares

Module shall be supplied with polished aluminum fender flares over the rear wheels. They shall be bolted in place with nutserts.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.19 Stone Guards - Front

The front of the module shall be supplied with polished aluminum diamond plate stone guards. They shall be formed to match the vehicle radius and be 10” high. They shall be attached to the module with isolating grommets.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.20 Stone Guards - Rear

The rear of the module shall be supplied with 10 inch high diamond plate stone guard. It shall be one continuous piece. It shall be formed to match the vehicle radius. It shall be attached to the module using nutserts.

Wheel well liners shall be fully welded aluminum. They shall be lined with Astro Turf like material to reduce road noise. Chassis manufacturer's wheel and jounce clearance must not be violated.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

3.21 Crash Rail

Formed diamond plate Crash Rails shall be installed on each side of the body to the lower module skirts. Crash Rails shall be installed with spacers between the rail and the body to allow for impact. Securing of the rails to the body shall take into consideration for electrolysis.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

4. **Chassis Requirements** - Modifications or additions to the OEM chassis must be completed using approved OEM practices and all modified equipment must meet or exceed OEM performance characteristics. Modifications or additions to the OEM chassis should be OEM approved. Any modifications or additions to the OEM chassis should not decrease the value of the OEM chassis warranty.
-

4.01 Chassis Requirements

A) 2019 Ford E450, Dual Rear Wheel, 158" Wheel Base, Cutaway Cab

B) Engine: Ford – 6.8 liter EFI V10 Gas Engine. 305HP, 420 foot pounds Torque.

C) Transmission: Heavy-duty 6 speed automatic transmission with overdrive.

D) Gear Ratio – 4.56 Limited Slip Differential.

E) Oil Cooler-Additional transmission oil cooler/OEM.

F) Power door locks, keyless entry, power windows, cruise control and tilt steering. Power door locks must be provided on all exterior module entry doors & compartment doors. They will lock/unlock from the OEM cab door switches or key fob. In addition, a hidden unlock switch for the power door locks will be mounted within the cab grill.

G) Shock absorbers – Heavy Duty front and rear for Type III ambulance stability, control and handling.

H) Stabilizer Bar – will have heavy-duty stabilizer bars providing increased load stabilization as per manufacturer's heavy duty suspension package.

I) Steering – Power steering system c/w tilt steering.

J) Wheels – six (6) 16x6 – 8 hole, stamped disc suitable for tubeless radial 10 ply (E rated) tires. Chrome wheel covers.

K) Tires – six (6) required LT225/75R x 16E high-performance tubeless steel belted radials with all-weather tread.

L) Wheel Covers – four (4) stainless steel.

M) Valve Extension Kit – install stainless steel braided valve extension kit for inside dual wheels. Airmax AP5 or equivalent.

N) Battery – Dual 12V – no less than 84 Amp Hours each per GM, or OEM spec. CCA combined rating 1540 amps. @ 0°F (-18° C) Reserve capacity per SAE J537, 180 min.

O) Alternators – capable of handling the total vehicle amperage draw. Minimum capacity 220 Amperes.

P) Headlights – will be dual composite halogen with daytime running and "Headlights On" alerting.

Q) Lights – Lighting to meet requirements of Ambulance Vehicle Standards Code, including daytime running lights and courtesy light switches at all doors.

R) Mirrors – Powered dual external rear view, remote heated mirror; size 6.25 x 9.5 in below eye level “swing out”. Split glass mirror head, upper flat glass (62sq. in minimum) and lower full width glass (30 sq. in min).

S) OEM Heater/Defroster/Air Conditioner – Fresh air type 3 or more speeds.

T) Gauges – will have all gauges: oil, fuel, temperature, ammeter and engine hours as supplied by OEM.

U) OEM Chrome front bumper and Grill.

V) Fuel Tank -The Chassis shall have a single corrosion-resistant fuel tank with a minimum 55-gallon capacity.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

4.02 Automatic Engine High-Idle Speed Control

The chassis OEM throttle control must be pre-programmed to meet OEM program requirements.

This device must be "normally on", i.e., it must be in operating mode whenever the engine is running, vehicle is in park and the Emergency brake is set. The device must be preset so that, when activated, it will operate the engine at the appropriate RPM based on voltage sensing.

The device must be activated automatically whenever the voltage of the OEM or the conversion battery falls below 12.5 volts.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

4.03 Backup Alarm

There shall be a back-up alarm with a minimum db. rating of 97 to be activated when the transmission is placed in reverse. To warn bystanders when the vehicle is backing up, a heavy duty reverse warning signal must be installed to operate when the gear selector is in "REVERSE".

Provide a momentary backup alarm defeat switch on the driver’s console.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5. DRIVERS’ COMPARTMENT - Any modifications or additions to the driver’s cab must be completed using approved OEM practices and all modifications and equipment must meet or exceed OEM performance characteristics

5.01 Driver's Cab General

A) The driver and passenger seat –Ford cloth Captain Chairs, lumbar support, inboard arm-rest, 3-point harness.

B) Supplemental Restraint System (SRS) – The driver's side and passenger side should each be equipped with an air bag.

C) Floor covering in the cab interior OEM or equivalent, shall be rubber (non-porous and microbe resistant) for ease of cleaning.

D) Vehicle clearance plaque showing height dimension measurements to be located easily visible to the driver.

E) Coat hook - The driver's side and passenger side should each have access to a safely placed coat hook.

F) Audio System – AM/FM Stereo (preferably OEM) with front door speakers and a rear, ceiling mounted speaker in patient module.

G) Map Light - ceiling mounted LED map light, Red/White, to be centered over passenger seat.

H) Fire Extinguisher – a 5lb Fire Extinguisher with bracket to be installed on the cab bulkhead wall.

I) Handheld Spotlight – **minimum 200,000** candlepower 12 volt Handheld Spotlight to be hardwired and mounted on passenger side of cab. Retention bracket/device to be shipped loose.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5.02 Driver's Console

5.02.1 Control Panel and Console

A console shall be installed in the cab. The console shall be constructed of aluminum and powder coated black. The top of the console shall be flat and will accommodate a laptop or Mobile Data Terminal The face of the console shall be on a slant and canted towards the driver for ease of use. It shall house the recessed emergency control panel and integral digital display. Under no circumstances shall the console interfere with the OEM vehicle controls or gauges. This console shall allow for siren installation and the provision to mount 2 radio heads.

The front console shall include LED flashing warning indicators on front switch panel. The panel shall include door open warning lights designed to warn the driver of open access doors (red flashing) or open exterior compartment doors (amber flashing). All switches shall be Carling style LED rocker switches of the same design as the attendant's control panel. The driver's control panel meters and switch legends shall have backlighting. The switch function legends shall be screen printed from the back for durability and shall be white on black to

prevent bleed out. The standard front switch panel shall include, at a minimum, one spare switch

Switches used shall be electro mechanical rocker type that fits into a standard switch footprint (Carling style). They shall be rated for a minimum 50,000 cycles and have LED indicator lights.

For fast identification the switches shall be grouped by function with in a color band area. The color band areas shall be as follows:

- A. Red = Emergency Functions
- B. Yellow = Non-Emergency Lights
- C. Green = Vehicle and Non-Emergency Functions
- D. White = Battery Functions

The face plate, when removed for servicing, must have sufficient wire lengths to allow the plate to be turned over and have all connections remain attached.

The edges of the face plate must present a smooth rounded surface such that the edge will not cause injury to anyone accessing items on the face plate.

The radio shall be relocated below the emergency equipment panel. It shall be fully integrated in the OEM console.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5.02.2 Driver's Switch Panel

shall include the following switches:

- a) Ambulance Connect (Master)
- b) Primary/Secondary Emergency lighting activation
- c) Wig Wag warning light activation
- d) Left Scene lights
- e) Rear Scene lights
- f) Right Scene lights
- g) 3- Way Cot lights
- h) Map Light
- i) Reverse Alarm momentary cancellation switch
- j) Antitheft- allows chassis keys to be removed from the ignition with engine running and transmission in park. Power door locks and other OEM electrical devices must remain operable.
- k) Sure Start (Battery Boost)
- l) Horn/siren and steering wheel activation

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5.03 Cab Map Bin

There shall be an aluminum map bin installed between the seats in the cab. This box shall include multiple dividers and powder paint coated White. There shall also be (2) aluminum cup holders installed on the forward side of this box.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5.04 Door Open Warning

There shall be an aluminum map bin installed between the seats in the cab. This box shall include multiple dividers and powder paint coated White. There shall also be (2) aluminum cup holders installed on the forward side of this box.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5.05 Bulkhead Partition

A) The cab and the patient compartment should be separated by full height and width bulkhead partitions with a walkthrough opening. The manufacturer will provide a recessed bulkhead on the cab side of the module to ensure that the driver and passenger seats have full seat travel and that the incline adjustment on the seats is capable of providing the driver and passenger with a comfortable seating position. There shall be a minimum of 6" of additional cab space located behind the driver and passenger seats, recessed into the module.

B) The cab to module walk-through shall have a clear opening measuring approximately 52"H x 19"W. The door shall be sliding and shall latch in the open or closed position with the actuator latch being on the cab side. The door shall contain a clear safety glass window, providing a minimum 200 square inches of viewing.

C) The floor of the bulkhead passageway should include a sealed fluid dam. The intent is to prevent any fluids from entering the cab.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5.06 Ford FIN GPC discount per State of TN.

Discount shall be applied by bidder.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5.07 Tire chains to be installed on Ford chassis.

On Spot or equal tire chains to be installed.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

5.08 Back-up camera

The ambulance shall have a back-up camera with a minimum 5'' display in the driver's compartment. It shall have a night vision mode to allow for clear viewing at night. It shall automatically switch the display when the vehicle is put in reverse.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6. **Modular Body Type III-AD (Additional duty) Ambulance (14,500 GVWR or More), Class I, Floor Plan A for Advanced Life Support Services in accordance with USA Federal Specifications for Ambulance KKK-A-1822F as well as the following minimum requirements:**
-

6.01 Modular Body Design

The ambulance must be designed and constructed so as to maximize the safety and security of the attendants, patients and passengers while also maximizing the utilization of space. The construction will also promote fuel efficiency and handling stability with aerodynamic design principles.

Contractor(s) must identify any innovations, research or development that has been done regarding the aerodynamic efficiency of the proposed vehicle.

The main structure of the modular body must be of fully-welded construction. Individual tubing members must be welded using continuous welds around the full circumference of the member. If the modular body consists of wall or roof sub-assemblies, these sub-assemblies must be joined with continuous welds on all exposed surfaces. Tack welds are NOT acceptable for joining sub-assemblies

The modular body's front, rear and side walls, should be comprised of a one-piece seamless sheet of aluminum. There should be NO butt welded or putty-filled seams on the exterior walls.

The roof must be sheeted with no more than two (2) pieces of aluminum which are joined by a continuous weld. All panels and sheeting must be welded and sealed with adhesive sealant (acceptance standard is Silaprene). The roof panels must also integrate rain gutters into the sheeting itself. Mechanically attached rain gutters are not permitted due to their corrosion potential.

The wall sheeting must be attached and sealed with an adhesive sealant to give a clean, smooth appearance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.02 Modular Body Construction

The general dimensions of the body are to be 170" long x 96" wide with 72" headroom. The modular body must be designed to eliminate exterior extrusions to increase the strength of the body as well as reduce the potential of corrosion, not only in the general construction of the body frame but also the framing of each entry door and exterior compartment door. The body is to be designed using a 4 inch radius, 2"x2" roll cage all-aluminum frame covered by a seamless .125" aluminum sheeting. The aluminum sheeting is to be CNC cut and bent to form integrated exterior door jambs thus eliminating seams and welding that could potentially cause body corrosion.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.03 Exterior Module

In order to maintain consistency and long-term durability it is required that all aluminum used in the construction of the exterior module skin be of the identical alloy and hardness.

Module Exterior: Wall Thickness = .125", Alloy = 5052-H32

Roof Skin: = .090", Alloy = 5052-H32

Exterior Compartment Bottoms: = .125", Alloy = 5052-H32

Exterior Compartment Walls: Wall Thickness = .125", Alloy = 5052-H32

Module and Exterior Compartment Doors:

Door Skin Thickness = .125", Alloy = 5052-H32

Internal Bracing Thickness = .090", Alloy = 5052-H32

Structural Tubing Sizes

Wall and Roof Tube Size: = 2" X 2" X .125", Alloy = 6061-T6

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.04 Module Sub Floor

Sub Floor Tubes and Channels:

3 X 2 X .125 inches, Alloy 60601-T6

2 X 2 X .125 inches Alloy 60601-T6

1 X 2 X .125 inches Alloy 60601-T6

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.05 Sub Floor Mounting Plates

Cot Mount Plate: .250 Minimum Sheet Thickness Aluminum Alloy = 5052-H32

Attendant Seat Mounts: .250 Minimum Sheet Thickness Aluminum Alloy = 5052-H32

Body Mount Plates: .5 X 3 inch Minimum Thickness Aluminum Alloy 60601-T6

Seat Belt Mounts: .250 X 4 inch Minimum Thickness Aluminum Alloy 60601-T6

Heat Shield: .040 Continuous

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.06 Interior Cabinets:

Wall Panels: Minimum Sheet Thickness = .091 inches Aluminum Alloy = 5052-H32

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.07 Structural Tubes

Tubes shall be structural type In order to have more strength and to create a more consistent gap for weld filling. All ceiling and wall tubes shall have a .375 inch radius. Tubes that have square corners (architectural) are not as strong and do not allow enough weld gap thus reducing weld penetration.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.08 Module - Construction

In order to reduce corrosion potential, aid in decal and stripe adhesion and create a more consistence appearance, all panels comprising the exterior module shall be constructed in such a way that the completed module shall be seamless. This can be achieved through forming techniques, precision welding and/or strategic seam placement. The end result shall be a modular with no visible seams.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.09 Structural Framing -Roll Cage

Independent of the module skin shall be a structural roll cage. This structure shall consist of 2 X 2 X .125 inch tubes 6061-T6, that are welded together creating a continuous structure from floor to ceiling. The ceiling tubes shall be one continuous formed tube that traverse the entire module from side to side and is welded to a horizontal longitudinal tube that traverse the full perimeter of the module body. For added strength the outside radius shall be formed into all the ceiling tubes. At the vertical corners in the top and at floor level shall also be a 2 X 2 X .125 inch tubes 6061-T6, that is formed to the body radius. . The lateral spacing of framing members shall be a maximum average of 16" on center for superior strength throughout.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.10 Structural Framing - Tube Welding

The tubing shall be welded at every intersection and on three sides creating a minimum of 4 inches of weld length.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.11 Body Panels

The entire exterior module shall be constructed of .125" x 5052-H32, corrosion resistant sheet aluminum. The module side wall, front and rear wall panels shall each be CNC cut and machine formed to provide a seamless sidewall. All body panels shall be box pan formed construction. Entrance doors and exterior compartments shall be formed into the body panels. Extruded frames; due to the fact that they cause seams and are of a different alloy will not be accepted. Body panels shall be welded to the body structure in non-exposed areas. The body panels shall be adhered to the structural tubes utilizing structural adhesives and when completed shall have a smooth flat appearance. Flat sheet style construction that slides into or under an extrusion shall not be acceptable due to the difficulty in preventing oxidation and/or electrolysis where visible, exposed joints are present and to eliminate the inferior structural properties that can develop during dynamic stress situations.

To eliminate the potential for seam seal cracks or the appearance of any sidewall body cracks, the manufacturer shall provide full length welds along seams at any door opening. The welds shall be ground smooth and the body work will provide a seamless unbroken appearance when painted.

The module side wall, front and rear wall panels shall each be CNC cut and machine formed to create the side and rear entrance door jamb openings. Door openings shall be free of any overlapping frames or plastic filler material. The return flange of the door jambs shall accept the weather-stripping that is applied to the door.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.12 Body Panels - Panel Attachment

Each sidewall shall be manufactured in an environment designed to prevent the waviness that can occur during the assembly process. The body panels shall be welded to the tube structure at all door and compartment openings. They shall also be welded to the tube structure at both the upper and lower horizontal perimeter tubes. In areas that will be covered the body panels shall be attached to the tubes by either welding or mechanical fasteners. Note: It is critical to achieve as many attachment points as possible between the body panel and the tube structure. However the seamless body is paramount importance. Therefore exposed fasteners, weld distortions or extraneous body trim will not be allowed.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.13 Welding Equipment

As mentioned in other parts of this specification consistency and repeatability is of utmost importance. Consequently we require that the manufacture demonstrate their ability to provide highly consistent welds. Welds are critical to the durability and safety of the product. The manufacturer must supply appropriate documentation of their ability to achieve highly consistent welds. We will accept two types of methodologies:

- 1). All welding is performed with digital welding equipment, that is programmed to the specific type of weld, direction, and metal thickness.
- 2). They produce documentation that all welders are tested every six months and quality

weld samples are tested every month.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.14 Body Panels - Panel Adhesion

Body panels shall also be adhered to the module tubes utilizing two types of adhesives. The first adhesive shall be used for structural attachment. It shall be an industrial panel bonding adhesive that meets FMVSS 301 and Fords Stress Durability test BV-101-07. It shall be used intermittently throughout the module at all high stress points. The second adhesive shall be a Silaprene brand urethane adhesive (or equivalent) and shall be applied throughout the module on both sides of each tube and in all the area's where the body meets the subfloor.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.15 Body Panels - Drip Rail

Because it is required to have the entire module constructed of the same alloy and to eliminate as many seams as possible the drip rails shall be formed into the body panels. It shall run the full length of the module (less the radius) and shall extend a minimum of .75 inches from the module. Drip rail shall be on both sides and rear of the module.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.16 Isolators

It is absolutely critical that every component attached to the exterior module have a specifically designed isolation process, methodology or component. Because of this it is required that 100 percent of all body holes be cut prior to paint/coating of the exterior module. Isolators and inserts have very tight tolerances and consequently all holes must be machine cut on a strippet or milling machine, laser or water jet cutter, or CNC high speed router. Holes that are hand drilled or cut will not be acceptable.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.17 Sub Floor System - Construction

Sub floor shall be constructed of aluminum tubes and channels that have a minimum of 4 inches of weld at every intersection. Extrusions shall be 6061-T6, the dimensional requirements are: 3 X 2 X .125 Tube 2 X 2 X .125 Tube 1 X 1 X .125 Tube 3 X 2 X .250 Channel It is required that the entire floor be sequentially welded so as not to introduce metal fatigue or structural deformation due to excessive heat. There shall be a minimum of eight (8) lateral structural members that run the full width of the module less the perimeter tube. It is critical that these lateral members are continuous full width sections in order to maintain long term side to side stability and structural integrity. Tying theses structural members together shall be four (4) .5 X 3 inch aluminum longitudinal bars. These

longitudinal bars shall run parallel to the chassis frame rails and shall act as the chassis to module mounting support plates.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.18 Sub Floor System - Pre-stressing

In order to provide minimum weight and maximum strength the sub floor structure shall be designed and built in a mechanical pre-stressed manner. This can be accomplished with a jigged welding fixture or preformed sub floor components. The subfloor shall be assembled with a small degree of arch in the overall shape. After the entire floor is welded together it is expected that the floor shall be flat and level.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.19 Mounting Hardware

Areas of the subfloor where cot mount hardware and attendant seat pedestal are bolted shall be supplied with .250 inch aluminum plate. These plates shall be securely welded to the aluminum substructure.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.20 Sub Floor System - Perimeter Crash Protection

Surrounding the entire perimeter of the sub floor shall be aluminum tubes and or channels to act as energy absorbing structures in the event of a collision. It is especially critical that this crash protection barrier form around all four corners of the module. These tubes shall be formed with the same radius as the body corners.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.21 Sub Floor System - Skirt Supports

Areas where there is not a compartment, wheel well, or step well shall have a formed tube that extends to the bottom of the body panel for additional structural support.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.22 Sub Floor System - Covering

Covering the entire aluminum sub floor shall be a single sheet of .040 aluminum. Due to moisture and carbon monoxide concerns smaller sheets with seams will not be acceptable. It shall be attached to the subfloor frame with a Silaprene adhesive.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.23 Sub Floor System – Panel

The subfloor, above the aluminum sheet shall be specially constructed to provide both acoustic and thermal protection for the patient interior.

The composite floor panel shall be installed flush with the top of the longitudinal channel structure. The composite insert shall be secured in place with a two part self-etching, high-strength epoxy. All other open areas of the exposed sub floor not being filled by compartments or wheel wells shall have the same composite floor panel material installed to fill the openings. All seams and the entire perimeter of the sub floor shall be completely sealed with Sikaflex sealant adhesive or a spray-in-place foam material to create a watertight, dust free environment.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.24 Cab to Module Mounting System - Seal

There shall be a closed cell neoprene seal placed between the cab and module to prevent electrolytic corrosion and provide a water tight seal.

On the interior cab flange where the connection points are located there shall be a minimum 2 inch x 1/4 inch closed cell foam seal to compensate for irregularities in the cab flange, to prevent moisture from accumulating around the connection points and to minimize electrolytic corrosion. At the point where the cab meets the module shall be a separate neoprene weatherproof gasket to minimize electrolytic corrosion and provide a water tight seal.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.25 Cab to Module Mounting System - Bolting

There a minimum of twenty (20) 1/4-20 bolts fastening the cab and module together. They shall be grade 5 1/4-20 bolts with washers and nylon lock nuts. A minimum 30 percent of the connecting bolts shall go through a structural channel of the module. Where a bolt does not go through a structural member it must be backed by a 1-1/4" fender washer. The module to cab connection undergoes a great deal of stress, therefore this cab to module connection is considered critical and exceptions will NOT be allowed to the number of connection bolts used or method of connection.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.26 Insulation - Materials

It is critical that the entire module be completely insulated and sealed. This includes the ceiling, all four side walls, the floor and doors. It is required that the various types of insulation be carefully chosen based upon the specific location and the performance required. A one size fits all approach will not be acceptable. Below is a list of the insulation materials

and their individual R ratings. These R ratings should be considered a minimum requirement. If an equivalent substitute is being proposed you must submit samples and R value documentation from the supplier.

Ceiling: 2-inch Fiberglass Foil backed Knuff Insulation Board with Ecosse – 1.6 lbs./cu ft. - R 8.3

Walls: 2-inch Fiberglass Foil backed Knuff Insulation Board with Ecosse – 1.6 lbs./cu ft. -R 8.3

Floor: 5/8 inch Atlas Energy Shield Polyiso Sheeting – R-4.1

Doors: 3/4 inch Armaflex Sheet – R 3.1

Tubes to Wall and Ceiling panels : 1/8 inch Armaflex Sheet – R .51 Tubes to Wall panels : 1/8 inch Armaflex Sheet

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.27 Insulation - Sealers

In an effort to make the module as thermally efficient as possible it must be completely sealed on the interior. This includes using a urethane sealer on the entire interior including the full perimeter where the floor and walls meet. There shall be a designated area where the underbody harnesses come up from the floor. It shall have a flanged trim ring to prevent harness chaffing and enable more complete ceiling. Harnesses running up corner radius that are then stuffed with material will not be acceptable.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.28 Undercoating

All surfaces, edges, corners and joints that can be exposed to any fluid must be sealed by an approved waterproof bonding material.

The vehicle must be undercoated for sound deadening, corrosion and stone damage protection. An undercoating material must be applied to the under body, under chassis and sheet metal surfaces; except to the drive shaft, drain holes, lubrication points, engine crankcase, heavy castings, suspension components, heat shields, heat diffusing devices, catalytic converters, brake cables, backup alarm, auxiliary air conditioning and heater line and areas within 10” of the exhaust system(s).

Copies of the specifications and warranties for the proposed undercoating products must be included with the Vehicle Manual. The Contractor(s) must adhere to any instructions/guidelines issued by the OEM concerning application of undercoating. Application instructions given by the manufacturer of the undercoating products must be followed.

Two (2) applications of undercoating must be provided:

1)-After welding the reinforcing steel bar, step well, body structural components, etc., all interior areas subject to rust and/or corrosion must be undercoated; and

2)- On completion of the total conversion package, an undercoating material must be applied to the under body, under chassis and sheet metal surfaces; except to the drive shaft, drain holes, lubrication points, engine crankcase, heavy castings, suspension components, heat shields, heat diffusing devices, catalytic converters, brake cables, backup alarm, auxiliary air conditioning and heater lines and areas within 10 inches of the exhaust system(s).

Caution must be exercised regarding over-spray of undercoating. The Contractor(s) is responsible for final cleaning of all areas.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.29 Module Coating – Electrolysis Prevention

All external materials and fasteners shall be chosen to prevent electrolysis and corrosion due to dissimilar materials, exposure to the elements and moisture entrapment.

Rubber, plastic or Mylar insulating material shall be installed under all lighting, all exterior compartment and entrance door handles, exterior door hinges, rear door hold opens, fuel filler, crash rails, windows and between the cab and module.

To prevent long term electrolytic paint corrosion all components to be mounted on the module exterior shall be cut out prior to painting. All exterior fasteners used to mount emergency lighting to the outside of the module shall be completely isolated from the painted module by using a nonferrous collapsible blind insert that is reusable. Crash rails and fender rings shall be secured to the module body utilizing an attachment method that does not use dissimilar metals. NO EXCEPTIONS

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.30 Module to Chassis Mounting System - Body Mounts

The module shall be mounted to the chassis frame with minimum of ten (10) tie down locations, five (5) down each side symmetrically located. Each mounting location shall consist of a rubber doughnut type system that is securely bolted to the OEM manufacturers frame and the 1/2 inch thick X 3 inch wide aluminum plate that is a welded component of the module sub floor. The bolts utilized shall be 1/2 inch Grade 8 (or equivalent). In order to make the vehicle easier to remount the mounts shall be bolted in such a way as to allow the bolt to be easily removed from the under-side of the vehicle without having to cut or modify the bolt, mount or substructure.

On top of these transverse connecting plates shall be a 1/8 inch anti-friction pad to prevent electrolysis and vibration transmission from the frame to the module. The module sub floor 'C' channels shall rest only on these anti-friction pads, and be securely fastened to the transverse connecting plates with high strength grade 5, 5/8 inch zinc plated steel bolts.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.31 Entrance Door Design

Hinges must be full length, stainless steel piano hinges with a stainless steel pin. The hinge must be designed to provide ease in servicing and adjustments.

Door latches must be automotive style with a two-stage catch mechanism.

When doors are opened, the hinges, latches and door-checks must not protrude into the access area. The following must be installed on the inside of each door; a handle to facilitate closing; door stops to prevent damage to body sides; and an inside door release handle on each door. On the exterior of each rear patient compartment door, door stops must be installed to prevent body damage and be of a suitable strength.

All patient compartment entry doors must have an emergency release mechanism in each door. These releases must be attached to the door lock mechanism. The door release mechanism must be easy to access and operate.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.32 Patient Entrance Doors

Door openings to the patient compartment must be provided at the rear of the body and on the curb side ahead of the right rear wheel. Each door must have effective neoprene seal compression or overlapping seals to prevent water leakage, dust penetration and reduce siren and road noises.

There must be dual rear doors complete with vertical hinges that must provide a minimum clear opening of 46" wide by the maximum height obtainable with consideration for the rear emergency lighting. Consideration should be given in designing the doors for the removal of the primary cot.

The curbside rear door opening must be of sufficient size to accommodate the emergency removal of patients on a fracture board or emergency cot.

The window in the curbside door must be vented to provide air circulation, should mechanical systems be non-operational. The window must be equipped with a screen and be lockable. The rear door windows must be fixed and non-vented.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.33 Entrance Doors - Rear Doors

Rear Entrance doors shall be designed to allow for medic ease of access when not loading a patient. Therefore the curbside rear door shall be approximately 20% larger than the street side rear door. The rear doors opening height clearance shall be 65 inches. The rear doors opening width clearance shall be 46 inches.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.34 Entrance Doors - Side Door

The side door opening height clearance shall be 67 inches. The side door opening width clearance shall be 30 inches.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.35 Entrance Doors - Construction

Doors shall be double box pan formed of a single sheet .125 inch 5052-H32 aluminum and shall be a maximum of 2.25 inches thick. They shall be fully welded and ground smooth to provide a seamless door. For added strength the doors shall also have box pan formed braces that are welded to the door in such a manner that they do not show weld distortion marks on the exterior door surface.

A full perimeter air core weather seal to be securely fastened to the exterior door pan so that the paddle handles, rotary latches and all connecting hardware are protected from the elements and the seal is protected from damage.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.36 Entrance Doors - Handles

The doors shall be fitted with Eberhard E-Grabber door handles. The handle shall be designed with a floating cam so when the doors are locked, no stress will be placed on the door rod linkage when the paddle handle is operated. The surface finish of the handles and the handle housing shall provide a polished chrome, bright finish. The paddle handles and housings shall be tested for adhesion, chemical resistance, salt spray abrasion and accelerated weathering.

The interior side of each module entrance doors shall include a flush mount paddle handles. The interior door assembly shall include a locking lever for the side entrance door and the curbside rear locking door.

Non-stainless parts shall have a yellow zinc chromate finish. The door rods shall have formed ends that fit over the pull mechanism in a manner that even if the locking pin were to fail the rod will remain attached to the door pin. Door rods shall be threaded for fine tune adjustments. Cables, fixed length rods, or rods with bends will not be acceptable.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.37 Entrance Doors - Hardware

The module entrance doors shall be equipped with two stage rotary latches constructed of high strength, heat treated, steel latch components. This latch must be certified to FMVSS 206 Standards for Personnel restraint Applications. Components shall be zinc electroplated and coated with Everlube or equivalent. Latches shall be bolted in place with 5/16 inch grade 8 bolts. All of the internal door hardware, paddle handles and latches, shall be sprayed with a petroleum based lubricant material. The locking pawl shall be secured to the paddle handle

with removable LockTite. The Paddle handle shall be secured with machined bolts utilizing anti-seize. NO EXCEPTIONS

There lower portion of the interior door panel shall be removable to gain access to the rotary latches for routine maintenance.

All compartment and module entry door paddle handles shall be keyed alike. The paddle latches mounted in each locking door shall include a double cut, non-directional tumbler assembly designed to accept a key that does not require a specific orientation for actuation. Single cut tumbler assemblies that require a specific orientation for operation are not acceptable. NO EXCEPTIONS

All rotary door latches shall engage Nader pin striker posts made of high strength steel, plated with clear chromate and inserted through a synthetic isolation washer designed to prevent corrosion around Nader pins. The Nader pins shall have a shoulder to prevent the latch mechanism from being pulled over the top of the pin in a dynamic crash situation. The Nader pins shall be fastened with a securing nut designed to function like a blind fastener, allowing the Nader pin to be adjusted and re-tightened without having to access the nut.

The interior side of each module entrance doors shall include a flush mount paddle handles. The interior door assembly shall include a locking lever for the side entrance door and the curbside rear locking door.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.38 Entrance Doors - Hinges

The doors shall be fitted with stainless steel hinges with a minimum pin diameter of .250 inches and a minimum leaf size of 1 inch. Hinge knuckles shall be peened to keep pin from coming out. The doors shall be fitted with 1/4-20 nutserts for bolting of hinges. These nutserts shall be applied to both the doors and the door frames. The doors shall be bolted to the body structure with 1/4" x 20 stainless steel truss head machine screws. Bidders must submit, with their bids, test documentation demonstrating compliance with FMVSS #206. NO EXCEPTIONS

There shall be an insulating material installed along the length of the hinge where the hinge meets the door frame to separate the stainless hinge from the aluminum body. This material shall be transparent so as not to be visible at any point while the door is being used.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.39 Entrance Doors - Insulation

Doors shall be lined with a 3/4 inch thick high density closed cell foam that has both insulation and sound attenuation qualities. It is noted that the entrance doors are constantly being exposed to moisture. Therefore door insulation shall also have an anti-microbial treatment (Microban or equivalent).

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.40 Entrance Doors - Hold Opens

The rear doors shall use Cast Products (or equivalent) aluminum hold opens with high-density replaceable rubber inserts. They shall hold the doors open at a 130 degree angle. Because the high cycle time of the doors the components shall be bolted to both the door and the module with 1/4 20 nutserts. To eliminate long term failure the receiver shall be bolted into a body structure tube.

The curbside entrance door shall incorporate a spring driven device capable of holding the door open at 90 degrees. The rod assembly shall be 1/2" diameter minimum. Due to the extreme stresses exerted on the door at the hold open attachment point, the attachment bolts must be anchored to the door using 1/4" x 20 stainless steel bolts through nut inserts that are secured into a support gusset welded into the upper corner of the door structure. Screw type attachments will not be acceptable. NO EXCEPTIONS

The curbside and rear entrance door headers shall have removable, vinyl covered foam cushions to provide protection for emergency personnel when entering or exiting the vehicle. Vinyl color shall be Yellow for additional safety.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.41 Entrance Doors - Door Panels

The entrance door interior panels shall be .090 aluminum 5052-H32. They shall be fully powder coated white to match the interior. The door itself shall be fitted with nutserts approximately every 12 inches. The door panel shall be bolted in place with White coated bolts and isolation washers.

There lower portion of the interior door panel shall be removable to gain access to the rotary latches for routine maintenance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.42 Entrance Doors - Seals

It is critical to keep moisture out of the interior of the module. Each entrance door shall be equipped a door seal. A full perimeter air core weather seal shall be securely fastened to the exterior door pan so that the paddle handles, rotary latches and all connecting hardware are protected from the elements and the seal is protected from damage. This flange shall also include small plates at the nader pins to ensure that the seal completely surrounds the nader pin opening. Since this seal is more susceptible to long term wear and tear it shall be mechanically fastened and be easily replaced.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.43 Entrance Doors - Maintenance

Entrance doors shall be equipped with reflectors. These reflectors shall be removable and placed in a location that allows for maintenance to the door rods.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.44 Entrance Doors - Wire Routing

All doors that require wire routing shall be equipped with stainless steel spring conduits. They shall be .625 inches in diameter and be equipped with a receptacle that allows the spring to easily slide into the door cavity when closed. All wire routing through doors must be done in this manner. NO EXCEPTIONS.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.45 Entrance Doors - Safety Exit

In the event of an accident and the door linkage is damaged to the extent the occupant can no longer open the door, the manufacture shall install a safety release at the top and bottom of all entrance doors. NO EXCEPTIONS.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.46 Door Windows

The windows combined shall have a minimum of 650 square inches of glass. They shall be approximately 30 inches tall and have the same width proportion as the doors themselves. The glass shall be dual pane insulated (single pane glass will not be acceptable). Surrounding the glass shall be an aluminum extrusion.

The curb side entrance door shall include a sliding window with a positive latch and screen. The window shall be approximately 13"W x 30"L.

The rear entry doors shall have fixed glass windows to prevent the possibility of carbon monoxide from entering the patient compartment. The StreetSide door window shall be approximately 13"W x 30"H and the Curbside door window shall be 17" W x 30"H.

All windows shall be from the same window manufacturer, and shall be tinted safety glass with black aluminum extruded frames inside and out. Windows shall meet and incorporate the required stamp and serial number per F.M.V.S.S. regulation #571.205.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.47 Assist Handles

The module entry doors shall be equipped with 1" diameter "L" shaped assist handles. The handles shall be Yellow Powder Coat with Anti-Microbial coating. Each side and rear entry door handle shall be mounted so that the horizontal portion of the handle extends along the lower edge of the window and the vertical portion of the handle extends up and along the outer edge of the window on each door.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.48 Exterior Compartment Construction

All compartment sidewalls and ceilings shall be constructed of .125" x 5052-H32 aluminum. Compartment floors shall be constructed of .125" x 5052H32 aluminum that is raised to provide a smooth sweep out floor. The complete formed and welded compartment assemblies shall be securely welded to the sub-floor structure and sidewall structural framing of the module. All compartment construction joints that are not sealed by weld shall be sealed with an automotive grade seam sealer before final finishing of the compartments.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.49 Exterior Compartment Doors

The exterior compartment door panel shall be single sheet, double box pan formed .125 inch aluminum and precision welded to provide a seamless door. The door pans to have the corners fully welded and ground smooth.

There shall be reflectors strategically placed on the door for door rod maintenance.

All rotary door latches shall engage Nader pin striker posts made of high strength steel, plated with clear chromate and inserted through a synthetic isolation washer designed to prevent corrosion around Nader pins. The Nader pins shall have a shoulder to prevent the latch mechanism from being pulled over the top of the pin in a dynamic crash situation. The Nader pins shall be fastened with a securing nut designed to function like a blind fastener, allowing the Nader pin to be adjusted and re-tightened without having to access the nut.

All of the internal door hardware, paddle handles and latches, shall be sprayed with a petroleum based lubricant material. NO EXCEPTIONS

The exterior compartment doors over 36 inches shall be equipped with two stage rotary latches constructed of high strength, heat treated, steel latch components. Components shall be zinc electroplated and coated with Everlube. Latches shall be bolted in place with 5/16 inch grade 8 bolts.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.50 Exterior Compartment Doors - Handles

The doors shall be fitted with all stainless steel polished Eberhard E-Grabber door handles. The handle shall be designed with a floating cam so when the doors are locked, no stress will be placed on the door rod linkage when the paddle handle is operated. The handle housings shall have a die cut rubber gasket separating the paddle handle from the door. The surface finish of the handles and the handle housing shall provide a polished chrome, bright finish. The paddle handles and housings shall be tested for adhesion, chemical resistance, salt spray, abrasion and accelerated weathering.

All compartment and module entry door paddle handles shall be keyed alike. The paddle latches mounted in each locking door shall include a double cut, non-directional tumbler assembly designed to accept a key that does not require a specific orientation for actuation. Single cut tumbler assemblies that require a specific orientation for operation are not acceptable. NO EXCEPTIONS

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.51 Exterior Compartment Doors - Hinges

The doors shall be fitted with stainless steel hinges with a minimum pin diameter of .250 inches and a minimum leaf size of 1 inch. Hinge knuckles shall be peened to keep pin from coming out. The door hinges shall be fitted with 1/4" x 20 stainless steel truss head machine screws. Bidders must submit, with their bids, test documentation demonstrating compliance with FMVSS #206.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.52 Exterior Compartment Doors - Insulation

Doors shall be lined with a 3/4 inch thick high density closed cell foam that has both insulation and sound attenuation qualities. It is noted that the doors are constantly being exposed to moisture. Therefore door insulation shall also have an anti – microbial treatment (Microban or equivalent).

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.53 Exterior Compartment Doors - Hold Opens

The exterior compartment doors shall incorporate Suspa 45# gas filled spring hold open device capable of holding the door open at 90 degrees. Due to the extreme stresses exerted on the door at the hold open attachment point, the attachment bolts must be anchored to the door using 1/4" x 20 stainless steel bolts through nut inserts that are secured into a support gusset welded into the upper corner of the door structure.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.54 Exterior Compartment Doors - Door Panels

The entrance door interior panels shall be .090 aluminum 5052-H32. They shall be fully powder coated White to match the interior. The door itself shall be fitted with nutserts approximately every 12 inches. The door panel shall be bolted in place with White coated bolts and isolation washers.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.55 Exterior Compartment Doors - Seals

A full perimeter air core weather seal to be securely fastened to the exterior door pan so that the paddle handles, rotary latches and all connecting hardware are protected from the elements and the seal is protected from damage.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.56 Exterior Compartment Doors - Maintenance

All exterior compartment doors shall have two (2) red reflectors mechanically attached to the inside of the door panels. These reflectors shall be removable and placed in a location that allows for maintenance access to the door rods.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.57 Exterior Compartment Door - Switching

Each exterior compartment shall be independently switched and will energize one compartment only. The door switch shall activate a common flashing Amber light located in the front switch panel to notify the driver when any door is open. The switch utilized shall be door switch that requires no maintenance yet is still easily accessible for replacing.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.58 Exterior Compartment Door - Lights

Exterior compartment lights shall be LED strip lights and shall be rated for 50,000 hours

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.59 Exterior Compartment Coating - Finish

The exterior compartment interiors, doors and door backs shall be powder coated with the identical material and process used for the exterior module.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.60 Exterior Compartment Layout

A) StreetSide Forward Compartment 1: Main outside Oxygen cylinder storage and access.

This shall be the forward most compartment on the street side of the module and will be full height. This compartment shall be for main oxygen tank and additional 'D' or 'E' cylinders. It shall be externally vented with a marine grade Chrome Cowl Vent. This compartment shall be 14" W x 73"H x 19.5" D.

This compartment shall contain a ramp system and a two wheel cart to facilitate loading the oxygen tank without lifting .

The door opening for this compartment will be a minimum of 24" W and 80" high.

B) StreetSide Mid-Body Compartment 2: Electrical Component Compartment for vehicle electronics.

This compartment shall be just forward of the curbside wheel well and will be full height. This compartment shall be for all power distribution and all electrical components for ease of maintenance. The upper portion shall be for power distribution, relays, circuit breakers, etc. A Lexan cover, which is easily removable, will be installed over the electrical components. There shall be a shelf below the upper area to accommodate an Inverter and larger components. The lower portion of this compartment shall be for miscellaneous equipment storage. This compartment shall be 41.75" W x 38.5" H x 20" D in the lower portion.

A five lb. ABC fire extinguisher mounted inside the left-hand door.

The door opening for this compartment will be a minimum of 30" W X 80" H.

C) StreetSide Rearmost Compartment 3: Storage for spare tire and miscellaneous equipment.

This compartment shall be the rearward most compartment on the street side of the vehicle. This compartment shall be 31" W x 59" H x 19.875" D.

The center storage area of this compartment shall have inside/outside access and shall have a fixed shelf above and below the opening. Below the inside/outside area shall be an adjustable shelf.

Spare Tire and Tools shall be shipped loose.

The door opening for this compartment will be a minimum of 27" W X 75" H.

D) Curbside Rearmost Compartment 5: Storage for Backboards, Stair Chair, Pedi-Pac, traction splint, straps, collars, etc.

This compartment shall be located at the curbside rear of the module. The compartment shall be configured for the vertical storage of backboards and a stair chair and shall include one full height fixed divider. Above the stair chair storage shall be a fixed shelf for miscellaneous storage. This compartment shall be 19" W x 77.25" H x 22.75" D.

The door opening for this compartment will be a minimum of 15" W X 75" H

E) Curbside Forward Compartment 8: Storage for Jump kits.

This compartment shall be the forward most compartment on the curbside of the module allowing interior / exterior access to the interior ALS cabinet. Interior ALS cabinet shall have hinged Lexan doors, non-locking flush mount slam latches and (3) adjustable shelves. This compartment shall be 24.5" W x 48" H x 36.5" D.

The door opening of this compartment will be a minimum of 24" W X 80" H.

F) Curbside Compartment 9: Ventilated multi-battery slide-out tray.

This compartment shall be located below the upper inside/outside ALS cabinet and will share a common door with Curbside Forward Compartment 8. It shall be constructed in such a manner as to isolate the vehicle batteries from Curbside Compartment 8. This compartment shall include a slide out drawer to accommodate up to (4) batteries. Compartment to be equipped with 3 batteries.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.61 Exterior Compartment Shelving

Where specified, exterior adjustable shelves shall be box pan formed of a minimum .125 inch aluminum. The exterior compartment shelves shall be powder coated with the identical material and process used for the exterior module. The shelves shall be securely bolted to Unistrut.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.62 Door Sill Protection

There shall be stainless steel door sill protection on the lower edge of all compartment and patient entrance door frames.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

6.63 Dri-Deck

Dri Deck shall be installed on all exterior compartment bottoms.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7. PATIENT COMPARTMENT

7.01 General Characteristics

Storage cabinets must be easily opened, but will not come open in transit or as the result of a vehicle collision.

Tie-downs are required to anchor the interior compartments/cabinets to the side of the vehicle. These must be welded to the top of the vehicle's uprights and must be of sufficient size to retain cabinetry during a vehicle collision. The compartments must be secured to the tie-downs with nuts and bolts.

Each section of cabinetry must be sealed at floor, side and ceiling.

For rapid identification of contents, medical supply cabinets at the level of the patient(s) and above must have shatterproof, lightly tinted, transparent sliding doors.

The sliding doors must be provided with bevel edged finger holes for ease of opening and open sided cut outs on opposite edges to prevent fingers from being pinched when opening doors.

Open shelves or compartments must be provided with easily opened or removable belts or cargo nets designed to contain ten (10) times the weight of the items stored loose on the shelf or in the compartment. (Belts provided shall be seat belt style with metal bayonet style connectors or demonstrated equivalent. Velcro fastening for restraining belts is not acceptable).

To maximize the utility of storage space, the design must include positive features, such as reasonably wide and tall openings, rectangular spaces and interior dimensions that are suitable for accepting stacking containers.

Shelves must be adjustable, removable and capable of loads of 48 pounds.

Tops of shelves must be bordered or surrounded by a lip of not less than 3/4" in height. Cabinet shelves must be secured to Unistrut using bolts and lock washer.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.02 Cabinet Construction - Materials

Cabinets shall be constructed of sheet aluminum 5050-H32. In order to maintain maximum payload and still meet structural requirements sheet thickness will vary in size dependent upon the specific function of each cabinet.

Cabinets shall be constructed as independent modular units completely assembled outside the vehicle then secured to the module structure, thereby enhancing the overall structural integrity of the module. Cabinets created or assembled in the vehicle as a dependent part of the module structure shall not be acceptable due to their inability to enhance the overall structural integrity of the module.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.03 Cabinet Windows - Track

The sliding window track shall be an aluminum extrusion and shall be designed to minimize fluid contamination. For this reason the track opening width shall be a maximum of 30 % larger than the thickness of the window itself. For example if the window is .250 inches thick the track opening cannot be larger than .325 inches. The track extrusion shall surround all four sides of the cabinet opening and be lined to prevent rattles and to assist in keeping the windows in the closed position during transport.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.04 Cabinet Windows - Safety

Windows shall be made of .1875 Lexan high strength polycarbonate. Windows shall have full length extruded aluminum handles for additional strength and ease of opening.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.05 Cabinet Doors - Hinged

All interior hinged aluminum doors shall be boxed pan formed . They shall be made of .090 inch Aluminum 5052-H32. They shall be welded and ground smooth and shall be coated with acrylic urethane utilizing the powder coating process as described. All interior Lexan doors shall be .250 or .5 high strength polycarbonate.

All hinged doors shall have chrome hinges and Southco, 2" round stainless steel slam latches with pull ring.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.06 Cabinet Shelves -Construction

Interior cabinet shelves shall be constructed of boxed pan formed aluminum and shall be adjustable. They shall be made of .090 Aluminum and shall be coated with acrylic urethane utilizing the powder coating process as described. To keep the shelves from rattling the manufacture shall securely bolt the shelves to unistrut.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.07 Cabinet Lights

Interior cabinets shall have LED strip lighting mounted vertically on inside the cabinet just behind the window. They shall be rated for 50,000 hours. There shall be a switch at the Action Wall to control the lights.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.08 Ceiling - Construction

The interior ceiling shall be constructed of .090 inch aluminum 5052-H32. It shall be the full length and width of the module and shall fit under all cabinets, trim pieces and safety cushions. All light holes, IV holders, hardware and mounting holes shall be cut out prior to coating. It shall be coated with acrylic urethane utilized the powder coating process as described.

Installed as standard shall be two (2) cast aluminum IV Hangers, one (1) oxygen outlet ten (10) LED lights, one (1) full length grab rail two (2) grab handles and three (3) antenna access plates.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.09 Ceiling - Attachment

Ceiling panel shall be attached to the roof structural tubes utilizing White head truss self-tapping fasteners. Prior to mounting the ceiling tubes shall be covered with an 1/8 inch foam insulation barrier to prevent heat transfer and noise, due to vibration and rattling.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.10 Flooring Installation

Flooring shall be cut from one continuous piece of vinyl flooring. It shall be 100 percent cut prior to installation to prevent small scale cracks and over cuts. These tend to show up over time as the flooring shrinks and can become an area for fluid accumulation and absorption. It shall be secured to the subfloor with structural adhesive that has zero (0) VOC's

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.11 Flooring Roll Up Walls

The flooring shall roll up three inches on the main street side cabinet wall and the curbside squad bench. The flooring running up the side shall be trimmed off with an aluminum trim, and sealed to prevent fluids from accumulating behind the flooring. Trim shall not have any exposed fasteners.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.12 Flooring

The patient compartment standard flooring shall be commercial grade, anti-skid, anti-bacterial flooring material. Color to be LonPlate II #424 Gunmetal. Flooring shall be sanitary and seamless and shall meet FMVSS 302. It shall be installed per the technical specifications and recommendations of the floor manufacture.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.13 Rear Threshold

The rear door threshold shall be 18 gauge stainless steel. The threshold will be permanently installed with a sealant/adhesive. The sealant/adhesive material will both secure the threshold and provide a full perimeter seal to prevent fluid borne contamination. There shall be no holes drilled in the stainless and no screw type attachments required.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.14 Wall Panels - Construction

Wall panels shall be constructed of .090 inch aluminum 5052-H32. They shall be coated with acrylic urethane utilizing the powder coating process as described.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.15 Attachment

Wall panels shall be attached to the structural wall tubes utilizing White head truss fasteners that are drilled and tapped. Prior to mounting the wall tubes shall be covered with a 1/8 inch foam insulation barrier to prevent heat transfer and noise, due to vibration and handling

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.16 Patient Compartment Dimensions

A) Approximately (72") between the finished floor and ceiling.

B) Approximately (158") between the bulkhead partition immediately behind the driver's seat and the inside of the rear doors.

C) Approximately (91.5") between the interior curbside wall and the interior opposite/roadside compartment wall.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.17 Bulkhead Cabinet

Located above the cab to module pass through door shall be a cabinet with a hinged Lexan door.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.18 StreetSide Forward Cabinet

Located behind the attendant seat shall be an angled coat closet cabinet with double hinged Lexan doors. Above this cabinet shall be the heating and air conditioning unit.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.19 StreetSide Forward Cabinet Upper

Located above the medical control center Action Wall shall be a full size cabinet. It shall have one (1) adjustable shelves and sliding Lexan doors with aluminum extruded frames.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.20 Medical Control Center – Action Wall

A medical control center shall be provided at the forward street side of the patient compartment area. It shall be in close proximity to the rear facing attendant seat. Mounted in this area shall be the oxygen and suction system, rear attendant control panel, 12 and 110 volt outlets, control thermostat for rear heat/AC unit and other equipment as specified. Exact arrangement will be determined after bid award.

The attendant switch panel and environmental controls shall be built into a separate angled section below the upper cabinet.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.21 Action Wall Counter

Below the action wall shall be a counter constructed of stainless steel and shall include a retaining lip on two sides. It shall be completely sealed to the action wall and forward compartment.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.22 See Supplied Drawings for Streetside Cabinet Layout

7.23 CPR Seat

Delete the CPR Seat and extend the action area countertop to the rear of the module

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.24 StreetSide Mid Cabinet and Counter

Above the counter shall be a cabinet with one adjustable shelf and sliding Lexan doors with aluminum-extruded frames. To the rear of the countertop, install two separate cabinets with one adjustable shelf each cabinet. Also, install a cabinet below the countertop to the aft section, and a pullout drawer to be located just under the countertop.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.25 StreetSide Rear Cabinets - Rear Stack

Located rearward of the mid cabinet stack shall be inside/outside access to the rear exterior compartment. It shall have one adjustable shelf and sliding Lexan doors with aluminum extruded frames.

Above the inside/outside access shall be a cabinet with sliding Lexan doors with aluminum extruded frames and one adjustable shelf.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.26 Curbside Jump Kit Cabinet - Access

At the curbside front of the vehicle shall be supplied (3) adjustable shelves for storage of jump kits. For ease of access and quick functionality these shelves shall be open on two sides. Access shall be provided on the interior forward of the squad bench and on the exterior curbside through an access door. The location of this cabinet is critical to how the crew functions.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.27 Locking Drug Cabinet

Above the Jump Kit Cabinet shall be a locking Drug Cabinet. It shall have dual hinged aluminum doors and shall be 37"W x 24"D.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.28 Curbside Jump Kit Cabinet - Shelves

Shelves shall be heavy duty and box pan formed of .125 inch Aluminum 5052-H32. They shall have a return flange on four sides and shall be welded, ground smooth and coated as described. The shelves shall be securely bolted to Unistrut.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.29 Curbside Squad Bench Cabinet

Above the Squad Bench shall be a triple wall cabinet. The cabinet shall have (3) top hinged Lexan doors with pneumatic hold opens and Southco, 2" round stainless steel slam latches with pull ring. The height of this cabinet shall take into consideration KKK-A-1822F for distance between bottom of cabinet and Squad bench cushion.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.29.1 Tip-Out Waste Cabinet

Below the forward end of the Squad Bench shall be a Tip-Out waste cabinet constructed of aluminum. This cabinet shall include a waste container.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.30 Patient Compartment Seating

A) Squad Bench - A squad bench shall be provided on the curbside of the vehicle with seating capacity for three people. The bench shall be box pan formed of minimum .090 inch aluminum. It shall be welded, ground smooth and coated as described. The bench cushions shall be 2 inch thick high density flame retardant foam, covered with high grade color coordinated vinyl. There shall be a single piece lid hinged for internal storage, and shall open to not less than 70 degrees and have pneumatic lifting supports on each side. The squad bench lid shall include an automatic latch that shall secure the squad bench lid when in the down position. The lid shall be constructed of durable lightweight materials. The interior of the squad bench shall provide additional storage, be completely sealed and coated to create a seamless interior for easy and thorough cleaning and disinfecting.

Two sets of self-retracting, 6 point auto lock style seat belts conforming to federal regulation F.M.V.S.S. #571.209 shall be mounted along the curbside wall above the squad bench. Seat belts shall be secured to a minimum .250-inch aluminum plate. The plate shall be continuous from front to back and mounted in vertical slots that are cut into the structural tubes. We require this type of construction in order to ensure seat belt compliance and to also have the seat belt retention plate act as a free floating crash barrier in the event of a side collision. Manufacture must supply design drawings with bid.

The manufacturer shall provide a minimum of two restraint strap receivers on the face of the squad bench that work in conjunction with the squad bench seat belts for securing a patient lying on the squad bench.

All retention devices must conform to all FMVSS regulation: #571.207, #510.210 and #571.209 at a minimum and the SAE J3026/J3027 standards.

B) Attendant Seat -The patient compartment shall be supplied with a rear facing attendant seat. Seat shall be a high back automotive style captain's chair with a minimum of 6 inches seat travel forward and backward. Seat shall be vacuum formed heavy grade vinyl with no seams and come provided with two fold down armrests. This seat, positioned at the head of cot shall provide easy access to all of the action wall controls and outlets. It shall be supplied with a three point seat belt.

The attendant's seat shall be mounted on a swivel base and will have full 360 degree swivel and 4 inches of travel.

The attendant's seat base shall be installed with four (4) 7/16" grade 8 bolts inserted through 2" support bushings mounted in the subfloor and through a 1/4" reinforcement plate welded to the 'C' channel floor substructure.

The seat, base and all retention devices must conform to all FMVSS regulation: #571.207, #510.210 and #571.209 at a minimum.

C) CPR Seat-There is to be no CPR Seat

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.31 Restraints Passenger

All seating positions must be provided with seat belts. Seat and seat belt installations must comply with current FMVSS/CMVSS. Where there is no regulation under FMVSS/CMVSS,

as with the side facing seat, the installation must use materials and designs which meet the spirit of the FMVSS/CMVSS regulations for passenger restraints. Installations must be tested to relevant FMVSS/CMVSS. The geometry of any seat belt arrangement must provide pelvic restraint designed to remain on the pelvis of the occupant under all conditions.

The Squad Bench requires a net located at the front edge of the seat area. This device is intended to prevent the occupant(s) of the seat from moving forward during rapid deceleration. The net must be attached in a minimum of four (4) points utilizing aircraft-style, low profile latches which allow the net to be removed quickly and easily. The net must be made from suitably-colored cargo strapping that can be cleaned if required. The approximate width of the net is 21 inches. This device must restrain the occupant(s) along the side of their body and head to prevent extensive flexing of the spine or neck. This device must withstand a test load of 13,344 Newtons.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.32 Cot Fastener

A Stryker Performance Load cot fastener is to be supplied and installed

7.32.1

The loading height from the ground to the deck/floor of the module where the cot and cot retention system will sit must not be more than 32 inches when the vehicle is unloaded.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.33 Action Wall Switch Panel

The action wall switch panel shall include the following switches:

- a) Left Cot lights (high-off-low)
- b) Right Cot lights (high-off-low)
- c) Center ceiling lights (3-Way, high, cab to module)
- d) Cabinet lights (interior cabinets)
- e) Exhaust Fan
- f) Electric Suction
- g) Attendant light

Other control switches or functions at the action wall should minimally include:

- a) Inverter Panel
- b) Heater/AC thermostat and fan
- c) Stereo volume control
- d) Digital clock – 24-hour digital wall clock showing minutes and seconds.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.34 Curbside Switch Panel

There shall be an additional switch panel located at the forward end of the squad bench. The panel shall have the same lighting controls and suction switch as the Action Wall.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.35 Interior Lighting

A) Interior ceiling shall have a minimum of ten (10) interior dome lights. Lights shall be LED and shall be completely flush with the ceiling surface when mounted. They shall be rated for 50,000 hours and have a maximum draw of 1 amp at 12 VDC per light.

There shall be four (4) over the primary cot and four (4) over the squad bench switched Hi/Off/LO from the rear switch panels. The four lights over the primary cot shall also be activated when the side or rear module entrance doors are opened or when the 15 minute restocking timer is activated.

There shall be two (2) in the center of the ceiling and shall be controlled by a 3-Way circuit between the cab and patient compartment.

B) The patient compartment shall be equipped with a fifteen (15) minute timer, wired direct to battery, to allow operation of the center two (2) module dome lights while the vehicle is off. This feature will enable personnel to clean and restock the vehicle, but eliminates the risk of leaving the lights on and draining the batteries. This switch shall be located on the curbside wall near the side entrance door.

C) LED Attendant light at the action wall.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

7.36 Cabinet Lights

Interior cabinets shall include LED strip lights and controlled by a switch on the Action Wall switch panel.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8. Low-voltage Electrical System

8.01 System Standards

The converter added electrical system must meet all current KKK ambulance design standards. The converter added electrical system has proven to sometimes be the most complex and troublesome system on this type of vehicle. A system is desired that is simple in design so that electrical problem diagnosis and repair time can be minimized. The electrical system must be thoroughly engineered and manufactured to allow simple personnel operation. Finally, the system must be designed so that the probability of experiencing dead batteries, shorted electrical components and engaging in lengthy troubleshooting procedures will be reduced.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.02 Load and Design Parameters - Design

All wires, switches, outlets and related components shall be rated to carry a minimum 125% of the maximum ampere load for which the circuit is designed (circuit breakers being the one exception). The system shall be designed to have the module power supplied independently of the chassis power supply.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.03 General

All added body and chassis electrical equipment shall be served by circuits separate and distinct from the chassis circuits. All vehicle 12VDC wiring shall be copper crosslink polyethylene wiring (GXL) or SGX rated to 250 degrees Fahrenheit, and conform to all SAE J1128 requirements. The wiring shall be color coded, numbered, and function imprinted every six (6) for permanent identification and correspondence with the electrical schematics. Any circuits protected below 6 amps shall use an ATC type fuse and holder. Any circuits requiring wiring larger than 10 gauge shall include crimped and soldered copper lugs.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.04 Grounding

All components shall have ground wires returning to the ECC (Electrical Control Center). There shall be no components that are grounded to the module.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.05 Service Loop

At the connection points of all components and devices shall be a minimum twelve (12) inch service loop. There shall be sufficient length for two terminal changes on components in the power distribution area.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.06 Harness - Design

Generic harnesses with numerous wires or wires marked with functions that are not on this vehicle will not be accepted. All harnesses are to be assembled to this specific vehicle. They shall be wrapped in protective loom and securely fastened along the module structure prior to cabinet installation.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.07 Color Coded Harness Wiring

All wiring must be copper, with CSA/ULC approved insulation. Wiring sizes #8 or smaller must conform to current SAE standards and must have minimum SXL or GXL type insulation, if approved by the OEM chassis manufacturer conforming to current SAE standards. Sizes larger than #8 gauge must be standard, oil-resistance, automotive type. All wiring must be color-coded and/or label-coded to indicate purpose of wiring. If labeled, labels must be imprinted in contrasting color, readable and marked at eight" intervals or less. If permanently color coded, wires must be the same color from start to termination of run.

Where wires pass from the outside to the inside of the vehicle, proper weather sealing must be provided by means of an approved sealant. Acceptance standard is Dow Corning 786 Sealant.

Wiring must not pass across the floor of the driver compartment nor under the floor mats or metal trim strips, unless properly protected within a channel of fiberglass, aluminum or stainless steel, or an approved equivalent.

No wiring must pass within eight inches of the oxygen system.

A minimum of a twelve (12) inch service loop of wire or harness must be provided at all electrical components, terminal and connection points.

All wiring must be properly protected by elastomeric, oil-resistant grommets where it goes through metal or other abrasive areas.

Wiring must be neatly routed and groups of wires formed into a harness and securely supported with rubber-coated, metal clamps.

Wiring must be routed in conduit or high temperature looms with a rating of 135°C.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.08 Harness - Plugs

All wiring harnesses shall be connected to the power distribution utilizing harness plugs. These plugs shall have a positive locking feature. Access for disconnecting the harnesses from the cab to the module shall be provided and will be readily accessible.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.09 Power Distribution - Connectors

Connection from the power distribution circuit to the vehicle harnessing shall be done with locking universal style connectors. These connectors shall utilize a combination of pins and sockets. They shall be completely enclosed, have positive polarization, positive locking and have rear cavity identification.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.10 Voltmeter- Display

Shall supply a digital LCD display for voltage reading of both the conversion voltage and separately the chassis voltage to be located in the cab's control console. It shall be backlit for low light and also be readable in direct sunlight. It shall also have a low voltage alarm. The voltmeter shall be a digital display meter accurate to + or - 2%. The display must indicate the stabilized voltage of the chassis and module batteries.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.11 Ammeter - Display

The manufacture shall supply a digital LCD display for amp reading of alternator current draw. It shall be backlit for low light and also be readable in direct sunlight. The ammeter shall be a digital display meter accurate to + or - 2%. The display shall indicate the current flow of the vehicles 12 volt system.

The vehicle shall come equipped with an electronic Hall Effect sensor mounted so that the amp load on the vehicle 12-volt system can be accurately measured at the ammeter located in the driver's control console.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.12 Battery System - Charging

The alternator shall provide charging to the chassis and module batteries when the engine is running. The battery system shall utilize the OEM ignition switch to connect and disconnect module power and chassis loads. The manufacturer shall provide an amp load test certification. The documentation shall provide the end user with the vehicles operating load requirements and the units remaining reserve capacity.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.13 Battery System – Ambulance Connect

There shall be a dedicated Ambulance Connect switch (Master) located on the main drivers control panel to disconnect module power loads. This switch shall be On/Off and it shall be controlled through the chassis ignition switch regardless if the engine is running or not. The design shall allow the module load to be disconnected while the engine is running This switch shall connect/disconnect the entire module electrical system with the exception of the 12V DC outlets, DOT lighting circuitry including backup alarm, the door open warning display, and the chassis circuitry.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.14 Battery System – Battery Timer

There shall be a 5 minute battery shut-off circuit. The ignition switch, when shut off, will activate a timer that will leave the batteries on for five minutes so that the module dome lights can be left on for patient unloading or vehicle restocking.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.15 Batteries

Battery compartment, located in lower curbside exterior compartment, should be easily accessible (slide out tray) It should be ventilated and large enough to hold an OEM and 3 dual purpose deep-cycle batteries.

Battery cables shall be AWG (1/0), enclosed in loom and run unbroken from the battery location to the power distribution. They shall be secured underbody utilizing insulated metal straps.

Dedicated ambulance conversion circuit batteries should be the same brand, model and type (maintenance free).

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.16 Anti-Theft

This switch when activated permits the ignition key to be removed from the steering column, while the engine is running, thereby locking the steering column and gear selection lever. All other mechanical and electrical functions are operable including power door and compartment locks.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.17 Battery Boost

Sure Start Battery System. This system has (2) isolated and fully charged batteries to allow for emergency engine starting should the chassis batteries become discharged. A Momentary switch on the front console. Will tie all batteries together.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.18 Spare Circuits

The vehicle shall come equipped with (2) spare circuits rated at 10 amps each. One circuit shall be controlled by a spare rocker switch mounted in the front switch panel.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.19 Fuses and Circuit Breakers

All circuits must be protected by means of properly sized circuit breakers.

All circuit breakers (Pollack 54-5XXPL) must be manual reset type. They must be securely mounted, easily removable and readily accessible for inspection and service.

All circuit breakers must have size and function identified permanently at the location of the breaker.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.20 Door Activated Switching

Patient compartment doors must be fitted with magnetic door switches .The side door switch must operate one (1) bank of interior lights on low and passenger side floodlight. Rear door switch must operate one (1) bank of the interior lights and the two (2) rear facing loading lights.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.21 Electrical Load Rating

A detailed estimate of the total electrical load imposed by the conversion electrical system, complete with all emergency warning system components, must be included with bid. Performance during the final inspection will be compared to this estimate.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.22 Shore power Inlet

A 110 VAC, 20-amp Auto Eject shore power receptacle shall be supplied. It shall be capable of ejecting the plug when the vehicle starter is engaged. It shall be furnished with a spring loaded weatherproof cover. It shall be located rearward of the mid body electrical compartment.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.23 Inverter, 110 Volt

A minimum 1000 watt power inverter, Vanner 1050W (acceptance standard) complete with 50 Amp battery charger shall be installed. The charger shall be wired so that it charges all chassis and conversion batteries. The Inverter/Charger Shall come with a built-in transfer switch to automatically select either shore or inverter power.

The remote monitor panel shall be installed by the Action Wall switch panel. The (110V) circuit must be ground fault interrupter (GFI) protected.

Inverter shall be ON demand (no dash switch) to provide 110 volt AC power

to the 110V outlets.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.24 110 Volt Outlets

One (1) 110V receptacles at the forward action wall.

One (1) 110V receptacle at the rear Heart Monitor Area.

One (1) 110V receptacle above the second shelf of the ALS cabinet near the curbside entrance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.25 12 Volt Outlets

Two (2) 12V receptacles at the forward action wall.

One (1) 12V receptacle over the Command Counter.

One (1)12V receptacle at the rear Heart Monitor Area.

One (1) 12V receptacle above the second shelf of the ALS cabinet near the curbside entrance.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

8.26 Electrical Schematics

An as built printed copy of the electrical schematics shall be installed on the inside of the electrical compartment door for easy reference. A copy in electronic digital format will be included in the electronic digital owner's manual

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

9. Exterior Lighting Systems

9.01 Emergency Warning lights, General

The emergency warning system must provide the vehicle with all-round conspicuity, be highly perceptible and have attention-getting audio and visual signals for the safety of the ambulance and public, while imposing the minimum electrical load on the conversion electric system.

The emergency lighting system must utilize all LED technology.

To maximize conspicuity, this system adheres to the principles that: White (clear) light will be used to gain the viewer's attention, Red light will convey the "emergency" message and Amber will convey the "caution, vehicle stopped" message.

The system must be comprised of components and devices that comply with the requirements of current SAE standards that are applicable to the unit.

All warning lights must be mounted so as to project maximum effective intensity beam of the horizontal axis +0° up, -2° down. They must project a beam spread of at least 5° up and 5° down, and at least 45° left and right of the horizontal-vertical axis.

The energy output of the warning light system must not degenerate below the performance requirements over the life of lamps.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

9.02 Forward Roof-level Warning Lights

Front Flashers – There shall be seven (7) Whelen 900 Series Super LED flashers mounted across the front of the module. Layout shall be Red/White/Red/White/Red/White/Red

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

9.03 Side and Rear Roof-level Warning Lights

A) Side Flashers - There shall be a total of four (4) Red Whelen 900 Series Super LEDs. The lights shall be located at the upper outboard corners of the curbside and streetside walls of the module.

B) Rear Flashers -- There shall be two (2) Whelen Red 900 Series Super LED flashers located on the upper outboard corners of the rear of the module.

There shall be a one (1) Amber Whelen 700 Series Linear Super LED. The light shall be located at the upper center of the rear of the module.

C) Window Flashers - -- There shall be two (2) additional Whelen Red 900 Series Super LED flashers on the rear to show through the windows when the doors are open.

D) Turn Signals - There shall be a total of two (2) Whelen 600 Series Amber LED Turn Signal lights. One shall be on the rear curbside and one on the rear StreetSide, mounted to show through the rear door windows when the rear doors are open.

E) Marker Lights -The upper body marker lights shall be Whelen OS Mini LED type. There shall be two (2) Amber mounted at the forward end of each side of the module roof, (2) Red mounted at the rearward end of each side of the module and (2) Red mounted in the rear module in the corners. There shall be three (3) forward facing Amber marker lights mounted above the 900 Series lights and three (3) rear facing Red marker lights mounted above the Amber 700 Series light.

There shall be two (2) rear Whelen 500 Series Red LED lights, mid body on the sides of the module at the rear. These lights shall be wired to function as both DOT marker lights and as turn indicators and as emergency hazard warning lights.

There shall LED marker lights installed within the crash rail. (2) Amber forward each side and (2) rear each side.

F) Tail/Brake/Backup - There shall be Four (4) rear Whelen 600 Series LED Tail and Brake Lights. Two shall be on the rear curbside and Two on the rear street side below the Turn Signals.

There shall be one LED Brake Light mounted center above the rear doors to function as a high center mount brake light.

There shall be a total of two (2) White Whelen 700 Series LED Backup lights mounted on the rear of the module above the diamond plate.

G) Chrome flanges shall be included on all emergency lights.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

9.04 Grille Lights

The ambulance wiring harnesses shall be a continuous run to each electrical component. The ambulance wiring shall contain no splices in the main wiring harness. The terminals on connectors of each end shall be machine crimped. Hand crimped electrical connectors are not permitted by the purchaser as they have been proven to be prone to premature failure and/or irregularities.

All ambulance wiring harnesses shall be enclosed in a plastic loom. This loom shall run from the electronic controller units to each specified electrical component. Instances where conduit must travel through a tube structure, a rubber grommet shall be placed in the hole to prevent premature wear of the plastic loom and/or wiring. All wiring harnesses shall be secured to the roof and walls tube structures with insulated clamping fasteners.

The overall covering of jacketed cables shall be moisture resistant and have a minimum continuous temperature rating of 194°F (90°C), except for cable installations where the wiring may be exposed to higher temperatures. All wiring connections and terminations shall use a method that provides a positive standard connection. Wiring connections and terminations shall be installed in accordance with the device manufacturer's instructions. Wire nut, insulation displacement, and insulation piercing connections shall not be used.

All connections to the electrical components shall include a minimum 6" service loop. All wiring connections shall utilize easy plug in style connectors.

There shall be a total of two (2) White Whelen 500 Series Super LED's. The lights shall be located at the outboard sides of the chassis grille in the lower section.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

9.05 Intersection Warning Lights

There shall be a total of four (4) Red Whelen 700 Series Super LED's. The lights shall be located on the chassis fenders and over the rear wheel wells.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

9.06 Flash Pattern

A) Rear upper Led flashers to be 'On' with the brake lights. Emergency lights to override the brake lights.

B) Light heads to be wired to meet KKK. "A" should alternate with "B" and the flash pattern should be a triple flash (two quick followed by a longer third).

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

9.07 Exterior Task Lighting/Scene Lights

Whelen 900 Series LED scene lights: Two (2) White Scene lights on each side (left-street side and right-curbside) of the ambulance. Two (2) White Scene lights on the rear plane of the vehicle (unobstructed when the rear doors are open). Scene light activation controlled at driver's console. Curbside and rear lights must activate when respective doors are opened.

9.07.1

The rear facing scene lights and backup lights shall operate automatically when the vehicle transmission is placed in "REVERSE".

9.07.2

Patient Compartment door switching to be designed to allow for temporary disconnection of scene lights while the door is open. Once the door is closed, again the switch resets to normal momentary On/Off operation.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

10. Audible Emergency Warning (Siren)

10.01 Siren/PA System

Siren-PA System to be Whelen 295HFS or equivalent with: radio, PA, Manual, Wail, Yelp, Air Horn and Piercer tone.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

10.02 Siren Speakers

Siren Speakers shall be Cast Products polished aluminum and shall be mounted outboard on the bumper end and be a minimum 100 watt. They shall meet SAE J1849

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

10.03 Siren/Horn

The Siren shall operate through the chassis horn ring whenever the siren is On. When the Siren is Off, the horn ring shall operate the chassis horns.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

11. Oxygen System

11.01 Compartment

Oxygen compartment shall contain a ramp system and a two wheel cart to facilitate loading the oxygen tank without lifting. It shall also contain holders for "D" Or "E" cylinders.

An Oxygen Wrench shall be tethered to the wall.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

11.02 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 electrically non-conductive, ¼" inside diameter with an abrasion resistant, white colored outer jacket. The hose manufacturer's name, part number, inside dimension and working pressure rating shall be permanently marked along the entire length of the hose. Hoses shall be secured to prevent excess movement.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

11.03 Oxygen Outlets

There shall be three (3) Quick Disconnect Oxygen outlets installed, One Action Wall, One Ceiling and One Forward Squad Bench.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

11.04 Electric O2

An electric Oxygen solenoid with switch on rear panel to be installed. It shall include a Manual Bypass on the Action Wall should the electric fail.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

11.05 Oxygen Regulator

50 PSI regulator shipped loose with the vehicle.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

12. Fixed Suction (Vacuum) System

12.01 Aspirator System

Shall be installed in a recessed area below the pull out drawer in the Action Area. See Drawings. The suction pump shall be piped to an SSCOR regulator that is mounted on the action wall near the suction canister. The regulator shall be complete with indicator gauge and shall be piped to the vacuum pump. One 72 inch patient suction tube with a plastic suction tip shall also be supplied with the system.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

12.02 Collection Container and Mount

The container mount and 1200 ml collection container with disposable hard, clear plastic canister are to be provided and installed.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

13. Safety Equipment

13.01 Cushions and Protective Pads - Interior

All seating and protective pads shall be covered in seamless vacuum formed vinyl. Seamless cushions and pads are required for infectious control. Cushions with seams are especially susceptible to blood born pathogen contamination. Sewn seams puncture the vinyl surface and it is extremely difficult to reseal these surfaces. Vinyl seat covers must be vacuum formed. Hand stretched vinyl will not be acceptable because it keeps the vinyl surface under constant tension and therefore more susceptible to tears and cracking.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

13.02 Cushions and Protective Pads - Vinyl

Vinyl selected must be color coordinated with the attendant seat. It shall be commercial grade minimum of 32 ounce weight. It shall be abrasion resistant utilizing the Wyzenbeek test method of 500,000 double rubs with #8 cotton duck. It shall have antibacterial properties

(Staph resistant) as well as mildew resistant. It shall also be urine, sulphide, oil and enhanced bleach resistant. It shall be flame resistant to FMVSS 302.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

13.03 Cushions and Protective Pads - Foam

Foam utilized for cushions and backrests shall be a minimum 2-inch medium density closed cell foam that meets FMVSS 302 flammability tests.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

13.04 Cushions and Protective Pads – Head Bumpers

There shall be a Yellow Safety Vinyl head bumper located over the module to cab walkthrough door. The side entry door header shall have a vinyl covered foam padded cushion spanning the full width and height of the header wall above the door. The rear entry door header shall have a 2" high density flame retardant vinyl covered cushion spanning the full width and height of the header wall above the doors.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

13.05 Cushions and Protective Pads – Backrests

All of the backrests and seat cushions shall be constructed with 2 inch thick, high density fire retardant foam covered with a heavy grade color coordinated vinyl. The cushions and backrests shall be thermal vacuum formed automotive vinyl. Backrest and seat cushions shall be securely fastened yet easily removable for cleaning. All other cushions shall be attached with Christmas tree type automotive blind fasteners.

The Squad Bench backrest must have a lower lumbar support bolster formed into the cushion. Separate lumbar cushion will not be acceptable because it increases seams and crevices.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

13.06 Rails and Handles

A) Ceiling-mounted grab rail, which will be center mounted above the main cot, should run the maximum length above the main cot (Yellow Powder Coat 'anti-microbial' impregnated).

B) Rear and side entrance doors to be equipped with yellow "L" type grab handles (anti-microbial impregnated).

C) Grab handles shall be mounted inside each entry door to the patient compartment to assist entry (anti-microbial impregnated).

D) An 18-inch chrome Medical Bar shall be installed vertically to the left of the Action Wall.

E) Install (2) Cast Products dual rubber IV Holders in ceiling.

F) Install (2) 12-inch rubber impact absorbing grab handles in ceiling between main cot and squad bench.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

13.07 Occupant Restraint Net

The Squad Bench requires a net located at the front edge of the seat area. This device is intended to prevent the occupant(s) of the seat from moving forward during rapid deceleration. The net must be attached in a minimum of four (4) points utilizing aircraft-style, low profile latches which allow the net to be removed quickly and easily. The net must be made from suitably-colored cargo strapping that can be cleaned if required. The approximate width of the net to be twenty-one (21) inches. This device must restrain the occupant(s) along the side of their body and head to prevent extensive flexing of the spine or neck. This device must withstand a test load of 13,344 Newtons.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

13.08 Driver Intention Lights

In the rear ceiling at the rear doors shall be Amber/Red/Amber LED indicator lights to warn the crew of Brake and Turn functions

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

14. Environmental Control System

14.01 Climate Control System

A) The patient compartment should have an independent climate control system including heating, ventilation and air-conditioning components.

B) The patient compartment HVAC climate should be controlled by a solid state digital thermostat mounted in the Action Wall. This control shall have a three speed fan switch and shall have a set temperature that turns on either the heating or air conditioning to achieve the temperature setting. It shall also be configured to default to the last selected temperature setting.

C) HVAC - capable of maintaining a patient compartment temperature of 68°F throughout; despite an ambient outside temperature range from -40°F to +40°F.

D) HVAC system must be capable of 70,000 BTU heating and 46,000 BTU cooling. The blower for the combination unit shall have a minimum capacity of 650 CFM.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

14.02 Air Circulation - Design

The environmental system shall be a comprehensively designed system that incorporates, controls and balances the following elements: 1). Conditioned air distribution. 2). Conditioned air recirculation. 3). Stale air exhaustion. 4). Fresh air intake. Manufacturer must have a system that addresses all four aspects (No Exceptions). Note: Passive air intake systems such as opening a window or chassis intake vent will not be accepted.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

14.03 Air Circulation - Distribution

To provide even distribution of conditioned air throughout the patient compartment an air duct shall be constructed that runs down the street side of the module at ceiling level. It shall contain a minimum of five (5) adjustable multi-directional vents. The duct itself shall be tapered in a way that equalizes the air flow coming out of each vent. The duct work shall also be insulated with 5/8 inch rigid foam insulation.

Removable panels shall provide maintenance access to the heat/AC unit from both the face of the heat/AC cabinet and the back of the unit inside the forward StreetSide compartment.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

14.04 Air Circulation - Return Air

The air return intake shall not be less than 50 square inches. This return system shall allow the existing air in the module to be re-circulated back through the heat A/C unit, thus allowing faster cooling or heating of the module environment. For maximum efficiency the vent shall be no more than 12 inches from the unit itself.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

14.05 Exhaust Fan

The patient compartment shall be supplied with an exhaust fan with a minimum rating of 300 CFM. It shall be controlled by a switch at the Action Wall. Because it is critical for functioning and the large number of construction variables the manufacturer shall also supply documentation proving the effectiveness of the exhaust system. At a minimum it shall completely exchange the interior volume of air every three (3) minutes.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

15. **Radio Wiring** - Ambulances shall have a communication system that allows for all required communication between ambulance attendants, dispatch and medical direction. The intent of this section is to provide accurate information to ensure the installation of all required communication equipment.
-

15.01 Communication (Radio) System

A) A terminal block must be installed behind the driver's seat to accommodate the two-way radio power connections, and a cover must be placed over this block to prevent inadvertent shorting to ground. A device must be installed in series in the positive power cables which must protect the radio(s) from high and low voltage conditions.

Three (3) terminals are required on the radio terminal block and must be labeled as "switched positive", "un-switched positive" and "ground". A #12 gauge wire must be provided from the "ground" terminal and must run to the metal frame of the vehicle, isolated from all other grounds, to ensure a good connection. The "switched positive" terminal must be wired via an isolated twenty (20) amp circuit breaker to the vehicles accessory/ignition energized via a relay to the vehicle's positive battery terminal. The "un-switched positive" terminal must be wired via an isolated twenty (20) amp circuit breaker to a constant, un-switched source of battery positive. The terminal block must be switched by the Ambulance Disconnect.

B) All radio wires and cables must be run in a manner to prevent any pinching, rubbing or any other form of damage. Wires and cables must be run through grommets wherever chafing damage could occur. Cables are to be run in raceways, or protective loom and soldered where required to prevent damage.

C) Each antenna mount must have a continuous piece of Type RG-58-A/U (C/U) low loss coaxial cable, (Belden, part number 8259 8262 or Amphenol part number 21-199) installed and routed in an appropriate manner. Route the coax cable from each antenna port to behind the driver's seat, leaving a 3 foot service loop and at least a foot at the antenna port.

D) The manufacturer is to provide three antenna access ports in the ceiling of the cab.

E) Radios and Antennas will be supplied and mounted by the purchaser.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16. Exterior Color, Graphics and Identification Signage

16.01 Paint

Conversion Paint – Must meet the following coating standards:

Standard test methods and minimum requirements for paint performance.

ASTM D3170 Chip Resistance

Standard Test Method for Chipping Resistance of Coatings (Gravelometer)

Test samples must rate as 5 or higher in relation to quantity of chips (< 49).

Test samples must rate as either A (< 1 mm) or B (1 – 3mm) in relation to size.

Test samples must rate as “most chips did NOT penetrate to substrate” in relation to Point of Failure.

ASTM B117 Salt Spray Resistance

Standard Practice for Operating Salt Spray (Fog) Apparatus

Test samples for a minimum of 2,000 hours.

Visual appearance must show zero corrosion and zero blisters.

ASTM D3359 Adhesion

Standard Test Methods for Measuring Adhesion by Tape Test

Test samples must rate as either 5A or 5B. Note: the 5 is the actual adhesion rating (zero % area removed) and the A or B denotes the type of test (A represents a simple X cut and B represents the cross-cut hatch pattern)

ASTM D2794 Impact

Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)

Test samples to be tested using the intrusion methodology.

Test samples must have a minimum impact rating of 90 inch lbs. with zero cracking.

ASTM D1654 Corrosive Environments

Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments

Test samples must have a minimum 80 cycle (1920) hours.

Test samples to have a minimum average rating of unscribed areas of 8 (2-3%)

Ford BI-161-01 Mar Resistance

MAR RESISTANCE DETERMINATION FOR AUTOMOTIVE COATINGS

Test samples must have minimum average gloss retention of 75% using 2μ polishing paper.

Test samples must have minimum average gloss retention of 29% using 9μ-polishing paper.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16.02 Module Coating - Requirement

Due to long term chronic paint problems it shall be required that the manufacturer supply a Lifetime paint warranty with no pro-ration. This purchaser has experienced severe

electrolysis, adhesion, bubbling, blistering and hairline cracks. The main requirement of a seamless body and isolators is to aid in reducing several of these paint problems. Through our research we have discovered that powder coating is a far more durable process for applying what is essentially the same material (acrylic urethane). Whether you apply it wet with solvents or dry with heat the material is almost the same. It is acknowledged that there is only one manufacturer currently utilizing this process and, in an effort, to avoid proprietary specifications we will accept a liquid paint application process under the following conditions:

A. The bidder supply in writing from the manufacturer that the vehicle will have Lifetime paint warranty with no pro-ration.

B. This warranty will cover only the original owner on the original chassis.

C. It will cover electrolysis, delaminating, bubbling, cracking, blistering and chalking. NO EXCEPTIONS

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16.03 Module Coating - Finish

In order to prevent scratches, chipping and pitting we are asking that an additive (quartz or equivalent) be put into the paint. We acknowledge that this additive can reduce the smoothness of the finish. As a minimum we will accept a #6 or greater on the paint finish chart.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16.04 Module Coating - Preparation

Prior to paint application the module shall be completely sanded from 80 to 180 grit. It shall be washed first in a degreasing solution. Secondly a neutralizing agent. Thirdly the module shall be completely covered in an acid etching solution and then finally coated in a solution that reduces long-term corrosion, improves impact resistance and promotes proper adhesion with the finish coat.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16.05 Module Coating - Fillers

As part of the process to eliminate long term corrosion of the paint there shall be no plastic fillers allowed on the finished aluminum body. Plastic fillers (bondo) tend to crack and shrink over time and are therefore unacceptable. The only fillers allowed on the finished aluminum body will be thin walled epoxy fillers. Any defects that occur during the manufacturing process that require thicker type fillers will be unacceptable and the body must be re-welded or the component removed and rebuilt.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16.06 Module Coating - Coverage

Prior to painting all holes including lights, fillers, hardware and all fasteners shall be in the module. No Exceptions. The entire module shall be coated including all door jambs. Vehicles painted with the doors mounted to module during the paint process will not be accepted. Due to the fact that electrolysis can start in one area and travel it is required that the inside of the body panels below the floor line be covered 100 percent. Common residual overspray will not be considered as meeting this requirement. Finally the inside door jambs of the entrance doors shall also be covered 100 percent.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16.07 Module Coating - Auditing

Manufacturer must demonstrate a comprehensive auditing system. It is required that every vehicle (including each vehicle on multiple orders) undergo the following audit tests for vehicles manufactured to this specification:

- A. Orange Peel
- B. Thickness (mil test)
- C. Boil test
- D. Cross hatch Test

Cards shall be dated and marked with the specific vehicle identification number. These results shall be supplied at final inspection.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16.08 Graphics

Interior Signage must be supplied and installed that is necessary to convey operating or occupational health and safety instructions, etc., to attendants and/or occupants of the ambulance as the result of the chassis design, conversion design or equipment installations. Prior to the application of any signage, the surface to which the signage is being applied must be thoroughly cleaned. The film must be applied so that the surface is smooth and uniformly free of grit, blisters or other irregularities.

Signage must be installed according to the signage manufacturer's instructions.

Signage must be in English or recognized international symbols, which may be used in lieu of English.

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

16.09 Miscellaneous Safety Equipment and Signs

English and international symbols, signs and decals denoting "No Smoking" and "Fasten Seat Belts" must be prominently displayed in both the patient and driver compartments.

These signs must be placed above the oxygen suction console in the patient compartment and on the dashboard in the driver compartment.

Fuel filler area must be permanently and prominently marked to indicate type of fuel. The lettering must be at least 1" high and located above the fuel filler stating "Gasoline Only".

Does your bid comply with the specification as written? Y___ N___

Does your proposal include an exception to this requirement? Y___ N___

17. **Optional Equipment- Accessories and Supplies** In no event shall the specified or furnished optional item(s) reduce the quality and intent of the ambulance but shall enhance its design and purpose. The materials, devices items and fabrication, if not specifically described shall not be less in quality, strength, performance and service than those normally provided by the most reputable manufacturers. Optional equipment may or may not be included in the bid approval. It is not a bid requirement to respond or provide information on these options.
-

17.01 Lifepak 15 Cardiac Monitor Mount

Technimount system Bracket Pro Serie 35 complete assembly support includes standard anodized surface base, support device section, hardware and instruction (part number 210-00-PC15).

17.02 Brush Guard

GoRhino brush guard, black in color.

17.03 Stryker Powerload

Purchase and installation of the Stryker Power Load cot fastening system.

17.04 Stryker Stair Chair

Stryker Stair Chair Pro Model #6252 with IV pole clip, foot support and vinyl head support.

17.05 Ferno PowerTraxx EZ Glide

Ferno PowerTraxx EZ Glide with one additional battery, battery charger, rear lifting handles, headrest and IV pole.

17.06 Stryker Power Cot

Stryker Power Pro XT Model # 6506 with XPS, including Backrest Storage Pouch, Head End Storage Flat, Dual Wheel Locks, 3 stage IV Pole, Equipment Hook, Head End O2 Holder, G Rated Bolster Mattress, knee gatch and the Stryker Smart Power System.

17.07 Bariatric Cot

MX-PRO Bariatric Transport Ambulance Cot (model #6083) with IV pole, dual wheel lock, rigid head and foot end push/pull handles, X-frame guards, side lift handles and non-pocketed head end storage.

17.08 Bariatric Ambulance Lift

Not a ramp style, powered lift system that stows under rear of ambulance.

17.09 Air Horns

Air Horns to be provided with horn ring option.

17.10 Patient Compartment windows.

All patient compartment windows to be tinted.

17.11 USB charging outlets in cab and module – Two (2) each

Exact location to be determined at pre-construction

17.12 Module Dome lighting.

Upgrade dome light to include multi-color bank of four (4) white/red & (4) white/blue. Exact location to be determined. Whelen 8" Round Super-LED® model shall be provided. The steady burn interior light shall incorporate three (3) blue and six (6) white Super-LEDs and a clear non-optic translucent hard coated polycarbonate lens for maximum output. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The conformal coated PC board shall provide additional protection against environmental elements. The 80CBEHCR includes Hi/Low intensity modes and, when properly installed, is certified to meet KKK-A-1822F requirements. The 80C0EHCR shall have the ability to dim multiple light levels in conjunction with pulse width modulation (PWM). The solid state interior light shall be vibration resistant. The interior light is a direct replacement for obsolete halogen and incandescent light fixtures. The 80CBEHCR will contain a 12" unterminated pigtail. The interior light is covered by a five (5) year factory warranty. The 80CBEHCR requires a 7-5/16" hole cut out and includes an 8" chrome housing installed on the interior light and four (4) 10x1 PPHSMS screws.

17.13 Fog Lights

Bidders shall install led lightbar version fog lights on chassis front bumper area.

17.14 Custom graphics, striping, lettering

Bidder to provide graphics package per state of Tennessee requirements. Bidders are encouraged to contact purchasing with specific questions regarding layout to match existing fleet.

17.15 Two (2) Additional Whelen 900 led (red) warning lights at window height

Red 900 series LED version warning lights to be installed at module rear and programmed to flash with primary and secondary mode.

17.16 Wheel Simulators

Chrome style wheel simulators to be installed on chassis wheels. Phoenix brand or equal.

17.17 Pre and Post Build Site Visit

Provide travel, lodging and meals for two Anderson County employees for a pre-build and post-build site visit at location of ambulance build facility.

17.18 Post Build Site Visit

Provide travel, lodging and meals for two Anderson County employees for a post-build site visit at location of ambulance build facility.

17.19 360-degree Birds Eye Cameras

Provide and install 360-degree surround view camera system to replace backup camera system. Must have video monitor installed in cab, in easy view area of driver.

17.20 Rear Bumper Guard Addition

Cut into the center section shall be “Anderson Co EMS” Prior to mounting the visible area behind the cutout shall be covered with high reflective Blue Reflexite.

17.22 360-degree Exterior Remote Control Spot Light

Exterior LED spotlight with interior wired remote control, capable of rotating side to side and upwards and downwards.

17.21 Alternate Curb Side layout

To adapt to greater safety measures for our attending medics we are proposing the alternate curb side area as an option, and therefore would be deleting previous specifications pertaining this area found in section 7.30 A). Additionally this change would prompt a change in the Medical Control Center - Action Wall found in section 7.20, it will be replaced by the wording found below.

“7.30 A) Squad Bench

Install a Tilt Down EVS Cobalt Seat with 3pt RH Belt, Swivel Base Track and 36" Sliding Track Kit With scuff plate & Forward and Rearward curbside cabinets.

Forward and Rearward curbside cabinets on either side of safety seat.

Forward cabinet curbside to be 14" wide with padding on corners.

Three Slide out drawers facing the seat.

One flip out drawer isle side with large sharps container.

Ensure isle flip out drawer.

Place holder on cabinet so the release latch is facing toward the streetside.

Rearward cabinet curbside to be 14" wide with padding on corners.

Three Slide out drawers facing the seat.

One slide out drawer isle side for storage with garbage container.

Create a pocket for the garbage container to sit in. This will seal off any openings in the drawer to prevent any waste from getting in between the container and the drawer. Also, create a separate compartment rearward.

EVS Seat to be flip down to accept a backboard with anchors and straps for additional patient transport if needed.”

*This design must be capable of securing and transporting a patient that is on a long spine board.

“7.20 Medical Control Center – Action Wall

A medical control center shall be provided at the forward curb side of the patient compartment area. It shall be above the forward cabinet to the attendant seat. Mounted in this area shall be the oxygen and suction system, rear attendant control panel, 12 and 110 volt outlets, control thermostat for rear heat/AC unit and other equipment as specified. Exact

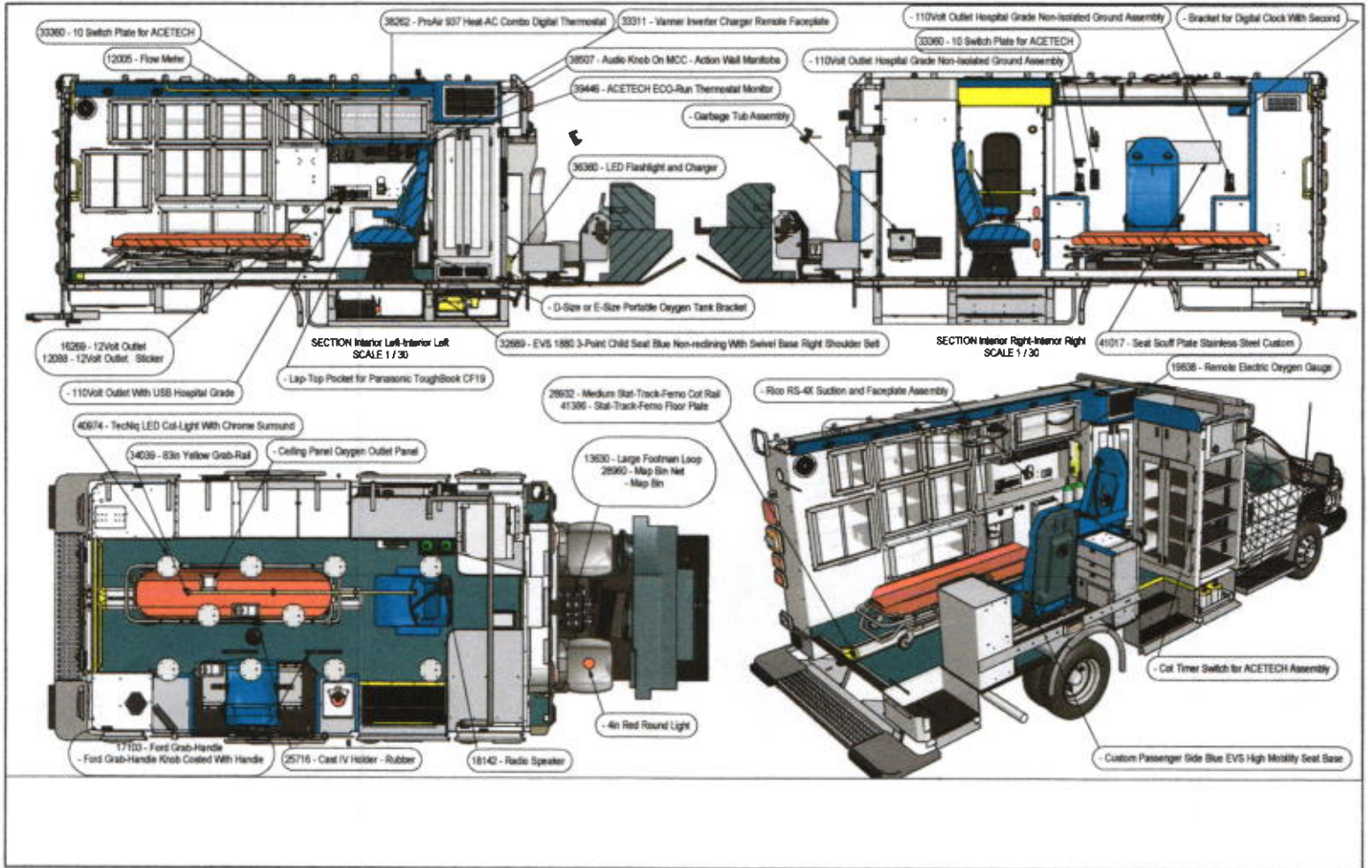
arrangement will be determined after bid award.

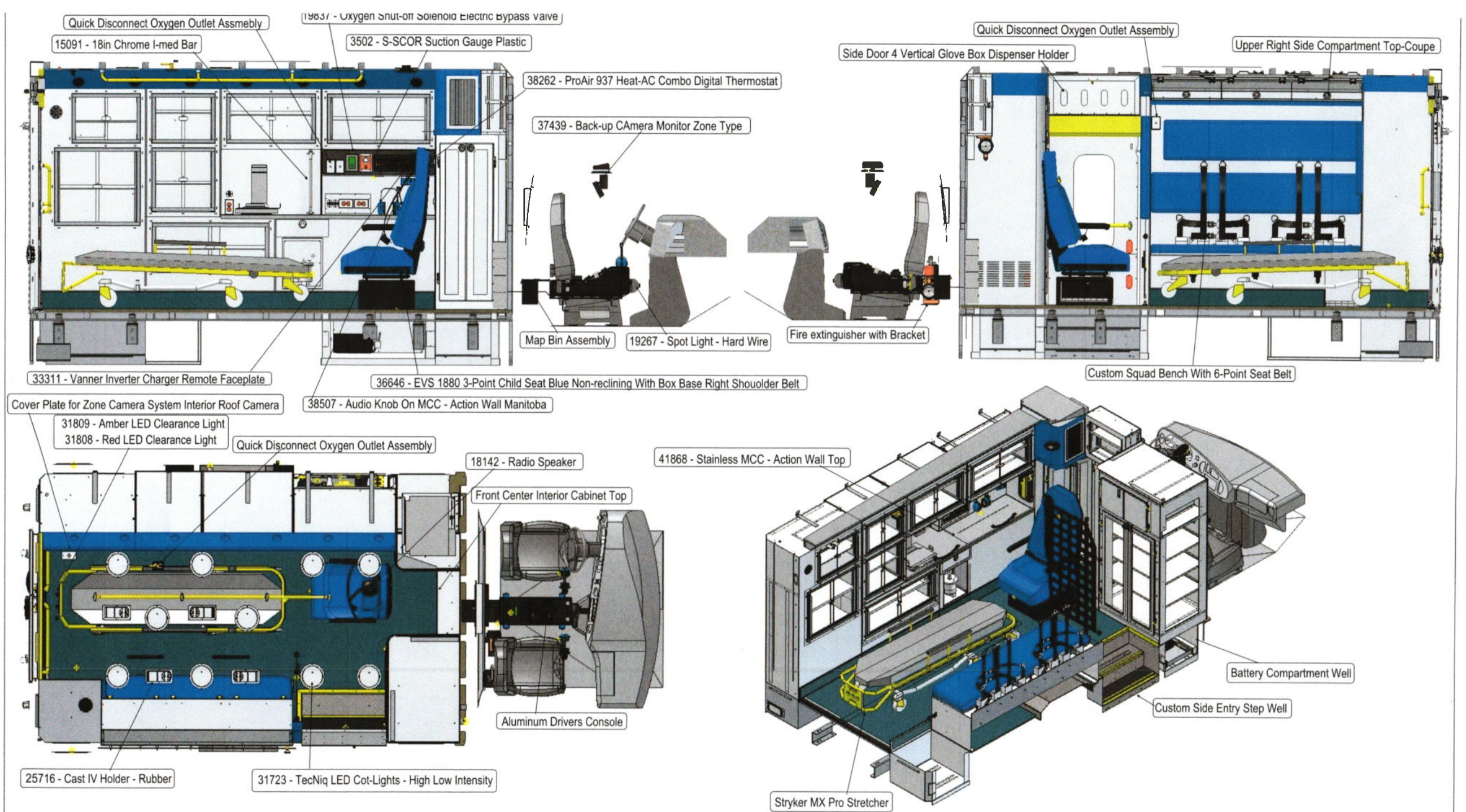
The attendant switch panel and environmental controls shall be built into a separate angled section above the forward cabinet.”

18. REFERENCES FOR THIS SPECIFIC DESIGN AMBULANCE – NO EXCEPTIONS

CUSTOMER	CONTACT	STATE	MANF	TITLE	#

Does your bid comply with the specification as written? Y___ N___





- Whelen-900-Series Red Super LED Light With Flange

- Whelen-900-Series Clear Scene Brighter LED Light Angled With Flange

- Whelen-900-Series Red Super LED Light With Flange

- Whelen-900-Series Clear Super LED Light

31809 - Amber LED Clearance Light

29360 - Whelen-500-Series Red LED Lens
32721 - Whelen-500-Series LED Ford Grille Left and Right Housing

- Ford Factory Chrome Grille

36353 - Ford Chrome Velvac Mirrors with Convex With Remote and Heat Light Arm

30375 - Right Bumper Mount Siren Speaker

32368 - Whelen-500-Series White LED Lens
32721 - Whelen-500-Series LED Ford Grille Left and Right Housing

24795 - Whelen-700-Series Flange
26836 - Whelen-700-Series Red Super LED Light Without Flange

25982 - 4in Plastic Vent Spacer
25302 - 4in Chrome Vent

24794 - Whelen-600-Series Flange
25016 - Whelen-600-Series Amber Arrow LED Light Without Flange

- Whelen-900-Series Clear Scene Brighter LED Light

31815 - TecNiq Oval LED Brake Light

24795 - Whelen-700-Series Flange
26836 - Whelen-700-Series Red Super LED Light Without Flange

31809 - Amber LED Clearance Light

24573 - Cast Fuel Filler Pod

- 20 Ampere Auto-Eject Shoreline Outlet Assembly

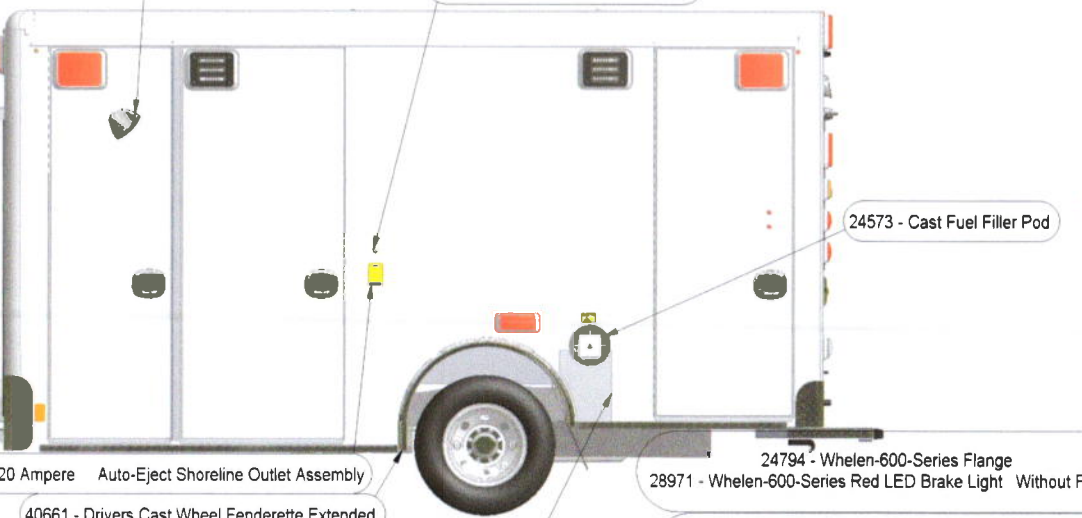
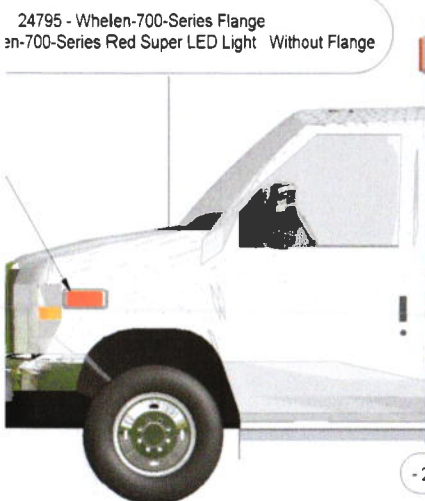
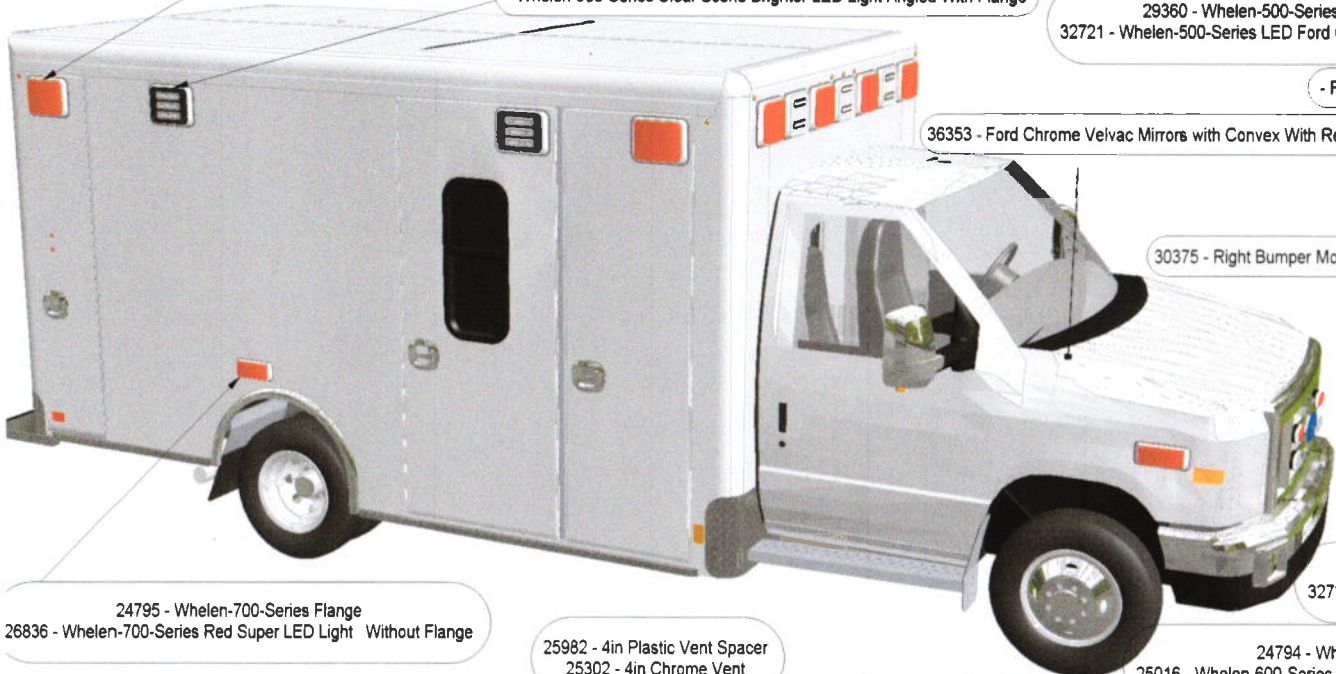
40661 - Drivers Cast Wheel Fenderette Extended

41138 - Fuel Pod Stainless-Steel Cover Plate With Fenderette Cut-Out

24794 - Whelen-600-Series Flange
28971 - Whelen-600-Series Red LED Brake Light Without Flange

24794 - Whelen-600-Series Flange
38139 - Whelen-600-Series Clear LED Back-Up Light Without Flange

24795 - Whelen-700-Series Flange
28280 - Whelen-700-Series Amber Super LED Light



Attachment 1
BID NUMBER: 4909 – Type III 170 Ambulance

SECTION 1 - BID INFORMATION

Acknowledgment of Addenda:
(Write "Yes" if received)

Addenda 1 _____ Addenda 2 _____
Addenda 3 _____ Addenda 4 _____

SECTION 2 - VENDOR INFORMATION

Vendor Name _____

Vendor Address _____

City _____

State _____ Zip _____

Telephone Number _____

Contact Person *(Please Print)* _____

E-Mail Address _____

Taxpayer Identification Number, Social Security or
Employer Identification Number:

State of Tennessee Business License Number:
License # _____

I agree to abide by all Terms and Conditions of this Invitation to Bid and certify that I am authorized to sign this bid for the vendor. Failure to include any information mentioned in the bid or to comply with these bid instructions may result in rejection of your entire bid. Signing this form affirms that the original Invitation for Bid document has not been altered in any way.

Authorizing Signature:

(Please sign original in blue ink)

Non-Collusion Affidavit

- This Non-Collusion Affidavit is material to any contract awarded pursuant to this bid.
- This Non-Collusion Affidavit must be executed by the member, officer, or employee of the bidder who makes the final decision on prices and the amount quoted in the bid.
- Bid rigging and other efforts to restrain competition and the making of false sworn statements in connection with the submission of bids are unlawful and may be subject to criminal prosecution. The person who signs the affidavit should examine it carefully before signing and assure himself or herself that such statement is true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with the bidder with responsibilities for the preparation, approval, or submission of the bid.
- In the case of a bid submitted by a joint venture, each party to the venture must be identified in the bid documents, and an affidavit must be submitted separately on behalf of each party.
- The term "complementary bid" as used in the affidavit has the meaning commonly associated with that term in the bidding process and includes the knowing submission of bids higher than the bid of another firm, an intentionally high or noncompetitive bid, and any other form of bid submitted for the purpose of giving a false appearance of competition.
- Failure to file an affidavit in compliance with these instructions may result in disqualification of the bid.

Non-Collusion Affidavit

STATE OF _____

COUNTY OF _____

I state that I am (Title) _____ of (Name of My Firm) _____ and that I am authorized to make this affidavit on behalf of my firm and its owners, directors, and officers. I am the person responsible in my firm to the price(s) and the amount of this bid.

I STATE THAT:

- The price(s) and amount of this bid have been arrived at independently and without consultation, communication, or agreement with any other contractor, bidder, or potential bidder.
- Neither the price(s) nor the amount of this bid and neither the approximate price(s) nor approximate amount of this bid, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before bid opening.
- No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.
- The bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid.
- (Name of My Firm) _____, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last three years been convicted or found liable for any act prohibited by State of Federal law in any jurisdiction involving conspiracy or collusion with respect to bidding on any public contract, except as follows:

I state that (Name of My Firm) _____ understands and acknowledges that the above representation are material and important and will be relied on by Anderson County in awarding the contract(s) for which this bid is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from Anderson County of the true facts relating to submission of bids for this contract.

Representative's Signature

Title

Sworn to and subscribed before me this _____ day of _____, _____.

Notary Public

My commission expires: _____



DIVERSITY BUSINESS INFORMATION

Definitions for Determining Minority, Women And Small-Owned Firms

The guidelines for determining minority, women and small-owned firms are defined as follows:

- "MINORITY"** means a person who is a citizen or lawful permanent resident of the United States and who is:
- o Black (a person having origins in any of the black racial groups of Africa);
 - o Hispanic (a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race);
 - o Asian American (a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands); or
 - o American Indian and Alaskan Native (a person having origins in any of the original peoples of North America).

"MINORITY BUSINESS ENTERPRISE" shall mean a minority business:

A continuing, independent, for profit business which performs a commercially useful function, and is at least 51 percent owned and controlled by one or more minority individuals; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned and controlled by one or more minorities. Whose management and daily business operations are controlled by one or more of minority individuals. "Control" as used in the above clause, means exercising the power to make policy decision. "Operate," as used in the above clause, means being actively involved in the day-to-day management of the business.

"WOMEN BUSINESS ENTERPRISE" shall mean women business:

A continuing, independent, for profit business which performs a commercially useful function, and which is at least 51 percent owned and controlled by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned and controlled by one or more women. Whose management and daily business operations are controlled by one or more of such individuals. "Control" as used in the above clause, means exercising the power to make policy decision. "Operate," as used in the above clause, means being actively involved in the day-to-day management of the business.

**DIVERSITY BUSINESS INFORMATION
ANDERSON COUNTY GOVERNMENT**

NOTE: This form is to be submitted only by those who qualify. Bidders do not have to be a minority business to be considered.

IMPORTANT! NOTARY AND COPY OF CERTIFICATION REQUIRED

SECTION 6 – DIVERSITY INFORMATION

VENDOR/CONTRACTOR NAME: _____

Type of Company: (Check One)

(____) Corporation (____) Partnership (____) Limited Liability (____) Sole Proprietor

Is your company 51% Owned or Operated by a Minority Group? Yes ___ No___

If yes, check the ethnic category and indicate % of ownership:

- American Indian/Alaskan Native ____%
- African American ____%
- Hispanic ____%
- Asian/Pacific Islander ____%
- Other ____% _____ (please indicate)

Please name the entity of certification: _____

Please provide copy of certification letter or certificate

I, HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

Signature: _____ **OFFICER OF THE COMPANY**

Name: _____ **Title:** _____

NOTARY ACKNOWLEDGEMENT:

STATE OF _____)

COUNTY OF _____)

ON _____, 20____, BEFORE ME, _____,

PERSONALLY APPEARED _____, PERSONALLY KNOWN TO ME (OR PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE) TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/ THEY EXECUTED THE SAME IN HIS/HER/ THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/ THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON (S) ACTED, EXECUTED THE INSTRUMENT.

WITNESS MY HAND AND OFFICIAL SEAL.

SIGNATURE OF NOTARY: _____

PRINTED FULL NAME OF NOTARY: _____

MY COMMISSION EXPIRES: _____

Attachment 4 – Sample Contract for Commodities

This Agreement is made on this the DD of MM YYYY, between Anderson County, Tennessee, a governmental entity and political subdivision of the State of Tennessee (hereinafter, "County") and XXXXXX (hereinafter, "Contractor") and for good and valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

Contractor Services. Contractor agrees to provide XXXXXX for the County Per XXXXXXXX.

Standard of Performance. Contractor agrees to perform the contract requirements in a manner consistent with the standard in the industry and to the satisfaction of the County.

Contractor Compensation. Contractor shall be paid by the County within thirty (30) days of invoicing and delivery. The compensation to Contractor shall be calculated by: XXXXXX. Contractor **shall not** receive additional compensation for expenses including travel, hotel, food, etc.

Term. The term of this agreement shall begin on MM/DD/YYYY and shall end on MM/DD/YYYY **with renewal option of XXXXXXXX.**

Release. Contractor hereby agrees to release, indemnify, and hold County harmless from and against any and all claims, lawsuits, or the like associated with County's performance of this agreement, or as it relates to the past, present, or future financial condition of the County or the performance of Contractor's services under this Agreement.

Default. In the event of default by the Contractor hereto, the County may bring suit against the Contractor to enforce the terms of this Agreement. In such event, the prevailing party shall be entitled to recover any remedies available at law and/or equity including reasonable attorney's fees and costs associated with the default.

No Oral Modification. No modification, amendment, supplement to or waiver of this Agreement or any of its provisions shall be binding upon the parties hereto unless made in writing and duly signed by all the parties.

Waiver. A failure of any party to exercise any right provided for herein, shall not be deemed to be a waiver of any right hereunder.

Entire Agreement. This Agreement sets forth the entire understanding of the parties as to the subject matter and may not be modified except in a writing executed by all parties.

Severability. In the event any one or more of the provisions of this Agreement is invalid or otherwise unenforceable, the enforceability of the remaining provisions shall be unimpaired.

Cancellation. In the event any party materially breaches, defaults or fails to perform hereunder, this Agreement may be cancelled by the other party with cause on thirty (30) days written notice to the other, if the event constituting the breach, default, or failure is not cured during that time.

Termination. The County reserves the right to terminate this contract in whole or in part with thirty (30) days written notification to the contractor. In the event of termination, the County shall not be liable for any costs other than the cost of services performed and materials delivered and accepted prior to termination date.

Exhibits. Any Exhibits attached hereto or incorporated herein are made a part of this Agreement for all purposes. The expression "this Agreement" means the body of this Agreement and the Exhibits.

Attachment 4 – Sample Contract for Commodities

Multiple Counterparts: Effectiveness. This Agreement may be executed in multiple counterparts, each of which shall be deemed an original for all purposes and all of which shall be deemed, collectively, one Agreement. This Agreement shall become effective when executed by all the parties.

Jurisdiction. Each party hereby irrevocably consents to the jurisdiction of all state courts sitting in Tennessee or all federal courts sitting in Knoxville, Tennessee and agrees that venue for any legal action brought in connection with this Agreement shall lie exclusively in such courts.

Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties and upon their respective successors, heirs, or assigns.

Choice of Law. This Agreement shall be governed and construed in accordance with the laws of the State of Tennessee. The Contractor certifies that in performing this contract they will comply with all applicable provisions of the federal, state, and local laws, regulations, rules, and orders.

Appropriated Funds. The County's obligation to pay under this Contract is contingent upon funds appropriated in the current fiscal year's budget as approved by the County Board of Commissioners. Any contract requiring appropriated funds beyond the current fiscal year may be cancelled without notice in the event that funding to support the contract are unavailable in the subsequent fiscal year.

Payment Terms. The County's payment terms are net 30. All invoices shall be addressed to Anderson County Director of Finance, Room 210, 100 North Main Street, Clinton, TN 37716, and must include Contractor's name, address and phone number, and clearly list quantities, item description and units of measure.

Delivery. The County requires delivery of all products to be FOB ("free on board") unless indicated otherwise. If completed deliveries are not made at the time agreed, the County reserves the right to cancel or purchase elsewhere and hold Contractor accountable. If delivery dates cannot be met, Contractor agrees to advise the County of the earliest possible shipping date for acceptance by the County. Contractor agrees to bear all risk of loss, injury, or destruction of goods and materials ordered herein which may for any reason occur prior to acceptance by the County. No such loss, injury, or destruction shall release Contractor from any obligations hereunder.

Inspection. Goods and material must be properly packaged. Damaged goods and materials will not be accepted, or if the damage is not readily apparent at the time of delivery, the goods shall be returned at no cost to the County. The County reserves the right to inspect the goods at a reasonable time subsequent to delivery where circumstances or conditions prevent effective inspection of the goods at the time of delivery.

Warranty. The Contractor warrants to the County that all goods and services furnished hereunder shall be free of defects in materials, workmanship, and from defect in design. In addition, Contractor warrants the goods and services are suitable for and will perform in accordance with the purposes for which they were intended.

Insurance Requirement. Contractors awarded bids or contracts are required to maintain, at their expense adequate insurance coverage to protect them from claims arising under the Worker's Compensation Act, any and all claims for bodily injury and property damage to the Contractor and to the County while completing delivery and services. A certificate of insurance may be required before work begins and be maintained until work is completed. Certificate Holder Shall Be: Anderson County Government, Clinton, Tennessee. Anderson County Government shall be named as an additional insured on all policies except worker's compensation and auto. Insurance carrier ratings shall have a Best's rating of A-VII or better, or its equivalent. Cancellation clause on certificate should strike out "endeavor to" and include a 30-day notice of cancellation where applicable. Any deviations from the above requirements must be disclosed to the County Purchasing Agent. Any liability deductibles or exclusions must also be disclosed.

Attachment 4 – Sample Contract for Commodities

Uniform Commercial Code. All applicable portions of the Tennessee Uniform Commercial Code shall govern contracts with the County.

Non-discrimination. The Contractor shall comply with the Tennessee Human Rights Act, T. C. A. §4-21-101 et. seq., as amended and any rules and regulations promulgated in accordance therewith.

Equal Employment Opportunity. It shall also be an unlawful employment practice for the Contractor (1) to fail or refuse to hire or to discharge any individual or otherwise to discriminate against any individual with respect to their compensation, or the terms, conditions, or privileges of their employment, because of such individual's race, color, religion, sex, age, handicap or national origin; or (2) to limit, segregate, or classify their employees or applicants for employment in any way which would deprive or tend to deprive any individual of employment opportunities or otherwise adversely affect their status as an employee, because of such individual's race, color, religion, sex, age, handicap or national origin. Contractor shall comply with The Civil Rights Act of 1964, 42 U.S.C. sec. 2000 et seq. (2000), as amended.

Notice. Any notice required or provided pursuant to this Agreement shall be in writing and sent or delivered to the parties.

Titles and Subtitles. Titles of paragraphs and subparagraphs are for convenient reference only and shall not have the effect of modifying, amending, or changing the express terms of this Agreement.

Assignment. This Agreement shall be assignable only upon the written consent of the non-assigning party. Consent to an assignment shall not be unreasonably withheld. In the event of assignment or succession, the terms and conditions of this Agreement shall be binding upon the parties and their successors, assigns, heirs, executors, and/or administrators.

Further Documentation. The parties agree for themselves and their successors and assigns to execute any and all instruments in writing which are or may become necessary or proper to carry out the purpose and intent of this Agreement.

City, State Zip

Contractor/Supplier:

Anderson County Government
Administrative Approval:

Signature Date

Natalie Erb, CPA, CTP, Finance Director Date

Printed Name

Anderson County Department Head
Approval:

Title

Date

Name of Company

Approved as to Form

Address

Law Director Date

General Terms and Conditions

BID ENVELOPE SUBMISSION INSTRUCTIONS:

Bids are to be received in a sealed envelope/package with the bid number, company name and opening date clearly marked. Failure to comply may result in rejection of the entire bid. Anderson County will not be responsible for any lost or misdirected mail. Late bids, e-mailed bids and faxed bids will not be considered nor returned. It is the sole responsibility of the bidder to ensure their bid is delivered to the Purchasing Department. Late bids will not be considered.

Please note that Anderson County Government does not receive a guaranteed delivery time for express mail and/or packages. PLEASE MAIL ACCORDINGLY.

ANDERSON COUNTY PURCHASING DEPARTMENT
100 NORTH MAIN STREET, SUITES 214 AND 218
CLINTON, TN 37716

Email: purchasing@andersontn.org
Website: <http://andersontn.org/purchasing>

(865) 457-6218 Phone
(865) 457-6252 Fax

**Bid documents must be completed in ink or typed, signed in ink,
and free from alterations, erasures or mark-throughs.**

SECTION 1 - GENERAL TERMS AND CONDITIONS

1.1 ALTERATIONS OR AMENDMENTS: Alterations, amendments, changes, modifications or additions to this solicitation shall not be binding on Anderson County without prior written approval.

1.2 NO CONTACT POLICY: After vendor receives a copy of this bid, any contact initiated by any vendor with any Anderson County representative, other than the Purchasing Department, concerning this invitation for bid is prohibited and agreements made thereto will not be considered binding on Anderson County. Any such unauthorized contact may cause the disqualification of the bidder from this procurement transaction.

1.3 QUESTIONS: Pursuant to TCA §12-4-113, questions regarding the specifications or bid procedures must be received by the Purchasing Agent and/or designer no less than ninety-six (96) hours before the bid opening date. No addenda within less than forty-eight (48) hours of the bid opening date shall be permitted. Any questions concerning the bid document must be submitted to purchasing@andersontn.org no less than ninety-six (96) hours before bid opening date.

1.4 BID CLOCK: The bid/time clock in the Anderson County Purchasing office will be the time of record.

1.5 TAXES: Anderson County is not liable for Federal excise or State sales tax. Tax exemption certificates will be provided upon request.

1.6 CONFLICT OF INTEREST: If requested by the Purchasing Agent, vendors must complete and submit a "Conflict of Interest Affidavit Statement" prior to contract award, see T.C.A. 5-14-114 and T. C. A. 12-4-101.

1.7 NON-COLLUSION: Vendors, by submitting a signed bid, certify that the accompanying bid is not the result of, or affected by, any unlawful act of collusion with any other person or company engaged in the same line of business or commerce, or any other fraudulent act punishable under Tennessee or United States law.

1.8 NON-DISCRIMINATION: Contracted vendors will not discriminate against any employee or applicant for employment because of race, religion, sex, national origin or disability except where religion, sex, national origin or disability is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor.

1.9 SAME AS OR EQUIVALENT TO: Vendors are to bid as specified herein or propose an approved equal. Determination of equality is solely Anderson County's responsibility. Any designated brands are for reference purpose only, not a statement of preference. When an alternate manufacturer, brand, model or make is bid, Anderson County will determine if the item bid meets or exceeds the items as specified. If the bidder does not indicate that an alternate manufacturer, brand, model or make is being bid, it is understood that the item(s) bid are the same manufacturer, brand, model or make as requested in the Invitation to Bid. Comparable products of other manufacturers will be considered if proof of comparability is contained in the bid submission. It shall be the responsibility of the vendors, including vendors whose product is referenced to furnish upon request catalog pages, brochures or other data to provide an adequate basis for determining the quality and functional capabilities of the product offered. Failure to provide this data may be considered valid justification for rejection of bid.

1.10 MULTIPLE BIDS/AWARDS: Anderson County may consider multiple bid awards.

1.11 STATE OF TENNESSEE CONTRACTORS' LICENSE LAW (T.C.A. 62-6-119) b): Bids for which the total cost of the project is twenty-five thousand dollars (\$25,000) or more, the outside of the sealed bid envelope/package containing the bid provides the following information: the Company Name, the Contractor's license number, license classification, the date of the license expiration and that part of each license classification applying to the bid. In addition, each heating ventilation or air conditioning, plumbing and electrical subcontractor's license number, date of the license expiration and that part of each classification applying to the bid if the value of the work is \$25,000 or greater, must be notated. If the value of either the contractor or the subcontractor's work is less than \$25,000, the bid envelope/package containing the bid is to be notated with the phrase "Contractor or Subcontractor's Bid is Less than \$25,000" after each appropriate heading. In the case of joint ventures, each party submitting the bid must provide this information. If no subcontractors are being used, the outside of the envelope/package containing the bid must state, "No Subcontractors are being used on this project."

1.12 ACCEPTANCE: Vendors shall hold their price firm and subject to acceptance by Anderson County for a minimum period of sixty (60) working days from the date of the bid opening, unless otherwise indicated in their bid. Any or all bids may be rejected for good cause.

1.13 BID AWARDS: Bids will be awarded to the lowest and best bidder, taking into consideration the qualities of the articles to be supplied, their conformity with specifications and their suitability to the requirements of Anderson County and the delivery terms. Anderson County also reserves the right to not award this bid.

1.14 PROTEST: Any vendor wishing to protest the bid award shall notify in writing the Anderson County Purchasing Agent and the County Law Director, 101 S. Main Street, Suite 310, Clinton, TN 37716. No protest will be accepted, except those protests made in writing and received within (10) ten calendar days of the bid award. Protests must be in writing and envelopes/package containing protest must be clearly marked with bid number and words "BID PROTEST". The Purchasing Agent, in conjunction with the Purchasing Committee, and with the advice and counsel of the County Law Director, shall review and make a final decision as to any bid protest. Appeals shall be filed in the Circuit or Chancery Courts of Anderson County within sixty (60) days of the final decision.

VENDORS PLEASE NOTE: ANDERSON COUNTY WILL NOT STOP THE PURCHASE PROCESS. THE PURCHASE MAY BE COMPLETED OR THE PROJECT MAY BE RE-BID WHILE THE PROTEST PROCEDURE IS STILL IN OPERATION. IF A RE-BID IS MADE, THE PROTESTING VENDOR SHOULD SUBMIT A NEW BID. OTHERWISE, THEY WILL BE WITHOUT A BID ON THE RE-BID. FURTHER, THE RE-BIDDING WILL NOT END THE APPEALS PROCESS. IT WILL CONTINUE UNTIL A FINAL DECISION IS REACHED OR THE COMPLAINANT WITHDRAWS THE APPEAL.

1.15 DELIVERY: Bid pricing is to include complete supply and delivery to Anderson County, Tennessee. Vendors are to state the delivery time in the bid. Anderson County requires that vendors deliver all products "free on board" to final destination unless indicated otherwise in the bid requirements.

1.16 PROOF OF FINANCIAL AND BUSINESS CAPABILITY: Bidders must, upon the request of Anderson County, provide satisfactory evidence of their ability to furnish products or services in accordance with the terms and conditions of these specifications. Anderson County will make the final determination as to the bidder's ability.

1.17 VENDOR'S DEFAULT: Anderson County reserves the right, in case of vendor default, to procure the articles or services from other sources and hold the defaulting vendor responsible for any excess costs occasioned thereby.

1.18 DUPLICATE COPIES: Vendors are to submit one original and at least one exact copy of their bids, including brochures; unless additional copies are requested in bid specifications.

1.19 DRUG-FREE WORKPLACE: Under the provisions of Tennessee Code Annotated §50-9-113 enacted by the General Assembly effective 2001, all employers with five (5) or more employees who contract with either the state or a local government to provide construction services are required to submit an affidavit stating that they have a drug free workplace program that complies with Title 50, Chapter 9, in effect at the time of submission of a bid at least to the extent required of governmental entities. The statute imposes other requirements on the contractor and contractors should consult private legal counsel if legal questions arise under this section or any other provision of this document. All contractors with five (5) or more employees that will be providing construction services are to return the provided written affidavit signed by the principal officer of a covered employer acknowledging that the contracting entity is in compliance with the Drug Free Workplace laws of State of Tennessee.

1.20 RESTRICTIVE OR AMBIGUOUS SPECIFICATIONS: It is the responsibility of the bidder to review the entire Invitation to Bid document and to notify the Purchasing Department if the Invitation to Bid is formulated in a manner that would unnecessarily restrict competition or if it is ambiguous in what is being requested. The Purchasing Agent must receive questions regarding the specifications or bid procedures no less than ninety-six (96) hours prior to the time set for the bid opening.

1.21 SCHOOL CAFETERIA BIDS: If this bid is for Anderson County School's Cafeteria Food Service Department, bidders must be in compliance with Section 104(d) of the William F. Goodling Child Nutrition Reauthorization Act of 1998 which requires school and institutions participating in the National School Lunch Program (NSLP) and School Breakfast Program (SBP) to "Buy American" to the maximum extent practicable.

1.22 TERMINATION: Anderson County reserves the right to terminate contracts in whole or in part with thirty (30) days written notification to the contractor. In the event of termination, the County shall not be liable for any costs other than the cost of services performed and materials delivered and accepted prior to termination date.

1.23 OSHA SAFETY: The Vendor is responsible for training their employees in Safety and Health Regulations for the job, assuring compliance with Tennessee Occupational Safety and Health regulations and any other Regulatory Agency.

1.24 PERFORMANCE BOND: A standard surety or performance bond or an irrevocable letter of credit in favor of Anderson County Government at a federally insured financial institution will be required to be submitted with bid, if indicated in section four, item six insurance requirement checklist.

1.25 BACKGROUND CHECKS: Contractors shall comply with Public Chapter 587 of 2007, as codified in Tennessee Code Annotated Section 49-5-413, which requires all contractors to facilitate a criminal history records check conducted by the Tennessee Bureau of Investigation and the Federal Bureau of Investigation for each employee prior to permitting the employee to have contact with students or enter school grounds when students are present.

1.26 AWARD RESULTS: As soon as practicable after proposal or bid evaluations, Anderson County shall post the award decision to Vendor Registry at www.vendorregistry.com. Individual notices are normally not mailed or e-mailed except to the successful vendor.

1.27 PRICE INCREASE/DELIVERY CHARGES: Request for price or delivery charge increases must in be received in writing 30-days prior to implementation. The Anderson County Purchasing Agent will review requests and make a determination to continue or cancel services.

1.28 INDEMNIFICATION/HOLD HARMLESS: Vendor shall indemnify, defend, save and hold harmless Anderson County and, its officers, agents and employees from all suits, claims, actions or damages of any nature brought because of, arising out of, or due to breach of the agreement by Vendor, its subcontractors, suppliers, agents, or employees or due to any negligent act or occurrence or any omission or commission of Vendor, its subcontractors, suppliers, agents or employees.

1.29 DECLARATIVE STATEMENT: Any statement or words (i.e.: must, shall, will, etc.) are declarative statements and the proposer must comply with the condition. Failure to comply with any such condition may result in their bid being non-responsive and disqualified.

1.30 WAIVING OF INFORMALITIES: Anderson County reserves the right to waive minor informalities or technicalities when it is in the best interest of Anderson County.

1.31 APPROPRIATION: Funding for multi-year contracts are subject to budget appropriations. In the event no funds are appropriated by Anderson County for the goods or services in any fiscal year or insufficient funds exist to purchase the goods or services of a contract, then that contract shall expire upon the expenditure of previously appropriated funds or the end of the current fiscal year, whichever occurs first, with no further obligations owed to or by either party.

1.32 ASSIGNMENT: Vendor shall not assign or sub-contract any agreement, its obligations or rights hereunder to any party, company, partnership, incorporation or person without the prior written specific consent of Anderson County.

1.33 QUANTITIES: Anderson County does not guarantee quantities to be purchased off this bid.

1.34 UNIT PRICE: In case of discrepancy between any unit price and an extended price, the unit price will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.

1.35 MODIFICATION OR WITHDRAWAL OF BIDS: When it is certain that a mistake has been made in the preparation of the bid, a request will be made to the bidder to confirm the bid. Provisions must be made so that mistakes can be taken care of and the ambiguity resolved satisfactorily. Bids may be modified or withdrawn by written notice received in the Purchasing Department prior to the time and date set for the bid opening. The changes or withdrawal of the bids shall be in writing and signed by an official of the company. The envelope containing the modification should clearly state "modification to bid." Either the entire bid or a particular item may be withdrawn or modified in this manner.

1.36 PRE-BID CONFERENCES: Attendance at Pre-bid Conferences is strongly encouraged. When deemed necessary a Mandatory Pre-bid Conference will be held. A company representative MUST be in attendance and sign the Pre-bid sign-in sheet in order to be considered for bid award.

1.37 ADDENDUM: § T.C.A. 12-14-113 Anderson County Government reserves the right to amend this solicitation by addendum. Addenda will be posted to the vendor registry up to 48 hours in advance of the bid/proposals due date and time. It is the bidder's responsibility to check the website for addendum. If in the County's opinion revisions are of such a magnitude, the deadline for this solicitation may be extended in an addendum. Addenda may change specifications, reply sheets, and times and dates for pre-bid meetings as well as due dates/deadlines for questions and bids/proposals.

1.38 OWNERSHIP: All bids, once received, become property of Anderson County Government and will not be returned.

1.39 WEATHER AND COURTHOUSE CLOSINGS: In the event of a situation severe enough to necessitate the closing of Anderson County Government offices during a planned bid opening, vendors will receive notification of the new date and time upon re-opening of county government offices. No bids will be opened until the rescheduled date for bid opening and all bidders/proposers whose submissions meet the extended deadline will be given equal consideration at that time. Anderson County shall not be liable for any commercial carrier's decision regarding deliveries during inclement weather.

1.40 IRAN DIVESTMENT ACT OF 2014: Pursuant to the Iran Divestment Act of 2014, Tenn. Code Ann. § 12-12-106 requires the State of Tennessee Chief Procurement Officer to publish, using creditable information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. Inclusion on this list makes a person ineligible to contract with Anderson County; if a person ceases its engagement in investment activities in Iran, it may be removed from the list. The State of Tennessee list is available here: <http://tennessee.gov/generalservices/article/Public-Information-library>.