

CITY OF DERBY

REQUEST FOR PROPOSALS

AMBULANCE BID

**PROPOSALS MUST BE RECEIVED BY
OCTOBER 20, 2021 at 11 A.M.**

All sealed bids shall be submitted through City of Derby Secure Portal:
<https://www.derbyct.gov/bids>

All Questions regarding the bid should be directed to:
Agata Herasimowicz, Finance Director via email only at:
Aherasimowicz@derbyct.gov

Finance Director, City of Derby
1 Elizabeth Street, Derby CT 06418
203.736.1456

BIDDERS REQUIREMENTS

INTENT OF SPECIFICATIONS

The purpose/intent of these specifications is to cover the furnishing and delivery to the City of Derby, acting through the Storm Ambulance Corp., 151 Olivia Street, Derby, Connecticut 06418 (hereinafter-called "Purchaser") a new complete apparatus equipped in accordance with the specifications provided herein. To obtain the best results and the most acceptable emergency medical vehicle, these specifications cover minimum requirements as to the type of construction, finish, and tests to which the ambulance must conform, together with certain details as to equipment and appliances to be furnished. Where the specifications require brand names, they have been chosen and specified because of their reliability, availability, and availability of replacement parts on a local basis. Since components specified by brand name, model number, dimension size or capacity are readily available to all Manufacturers and/or bidders, substitutes or alternates claimed to be equal may not be accepted by the Purchaser. Minor details of construction and materials, where not otherwise specified, are left to the discretion of the contractor, who shall be solely responsible for the design and construction of the ambulance. The ambulance shall conform to the most current requirements (at the time of bid) of the:

Ambulance Design Criteria of the National Highway Traffic Safety Administration
U. S. Department of Transportation
Washington, D.C.

The specification is based upon compliance to minimum standards as outlined in the Federal Ambulance Specifications, KKK-A-1822F and dated as of August 1 2007. Bidder shall be KKK-A-1822F Change Notice 8 compliant to meet SAE J3026 - Ambulance Patient Compartment Seating Integrity and Occupant Restraint Standards, and SAE J3027 - Ambulance Litter Integrity, Retention, and Patient Restraint Standards. Bidder shall further comply with KKK-A-1822F Change Notice 9 compliant to meet SAE J3043 - Ambulance Equipment Mounts; Interior Stowage Accommodations; Equipment Mounting Devices: Installed Oxygen cylinder, cardiac monitor, and fire extinguisher mounting devices shall meet the performance requirements of SAE J304.

Further the ambulance will meet all rules, regulations, and licensing requirements as per the State of Connecticut Office of Emergency Medical Services (OEMS) and Department of Motor Vehicles.

The bidder shall point out any discrepancies in the document that violates any Federal or State Government bidding requirements.

QUALITY AND WORKMANSHIP

The design of the apparatus must embody the latest approved automotive engineering practices. The workmanship must be of the highest quality in its respective field. Special consideration will be given to the

following points: accessibility of the various units which require periodic maintenance operations, ease of operation, and symmetrical proportions.

Construction must be rugged and ample safety factors must be provided to carry loads as specified and to meet both on and off-road requirements and speed conditions as set forth under traditional EMS conditions.

GENERAL CONDITIONS OF BID

BIDDERS ARE ADVISED THAT THIS SECTION OF THE SPECIFICATIONS WILL BE EVALUATED BEFORE THE APPARATUS TECHNICAL SPECIFICATIONS. BIDS THAT DO NOT COMPLY WITH THE GENERAL CONDITIONS. BONDING, INSURANCE, DELIVERY, BIDDER QUALIFICATIONS, SERVICE AND WARRANTY REQUIREMENTS WILL BE IMMEDIATELY DEEMED NONRESPONSIVE AND SHALL BE IMMEDIATELY REJECTED WITHOUT FURTHER REVIEW OF THE TECHNICAL SPECIFICATIONS.

1. Respondents must submit an electronic copy only through the City's Secure Electronic Portal at <https://www.derbyct.gov/bids>.
2. Proposals must be received no later than Wednesday October 20, 2021 by 11:00 am. (the "Bid Deadline"), at which time all received sealed bids will be publicly opened and read.
No bid will be accepted after the Bid Deadline.
3. Respondents with questions regarding this RFP may contact the Finance Director via e-mail only at aherasimowicz@derbyct.gov. Answers and any additional information will be provided to all bidders. All questions must be submitted to purchaser not later than ten (10) days prior to the date that bids are scheduled to be opened.
4. At least three (3) days prior to the receipt of bids, the City will post a copy of any addenda to its website, located at: www.derbyct.gov under Bids. It shall be the responsibility of each bidder to determine whether addenda have been used, and if so, to download copies directly from the City's website.
5. All proposals shall be typed. Mistakes must be crossed out and corrections typewritten or written in ink adjacent thereto and initialed in ink by the party signing the proposal, or the party's authorized representative.
6. Purchaser reserves the right to accept and reject any and all proposals in whole and/or in part and to waive informality, technical defect, or clerical error in any proposal. Purchaser reserves the right to negotiate with one or more respondents as it sees fit.
7. All costs incurred in the preparation of the RFP response will be borne entirely by the RFP respondent.
8. All proposals submitted become property of the Purchaser.
9. All proposals submitted and information contained therein and attached thereto shall be subject to disclosure under the Freedom of Information Act.

10. Proposals shall be final and binding on the Respondent for acceptance by the Purchaser for 60 days from the RFP closing date and time.
11. Respondent(s) may amend or withdraw their Proposal prior to this RFP's closing date and time by submitting a clear and detailed written notice to the Purchaser Subject to the Period Commitment provision detailed herein, all Proposals become irrevocable after this RFP's closing.
12. Assignment by successful Respondent(s) to third party of any contract based on the Request for Proposal or any monies due is prohibited and shall not be recognized by the City unless approved by Purchaser in writing.
13. Any act or acts of misrepresentation or collusion shall be a basis for disqualification of any proposal or proposals submitted by such person or company guilty of said misrepresentation or collusion. In the event that Purchaser enters separately into a contract with any Respondent who is guilty of misrepresentation of collusion and such conduct is discovered after the execution of said contract, Respondent may cancel said contract without incurring liability, penalty, or damages. Each bid shall include a Certificate on Non-Collusion, signed by the same officer of the bidder as will sign the Sales Contract.
14. A Respondent filing a proposal thereby certifies that no officer, agent or employee of the Purchaser who has a pecuniary interest in this request for proposal neither has nor shall participate in the contract negotiations on the part of the Purchaser, that the proposal is made in good faith without fraud, collusion or connection of any kind with any other Respondent of the same call for proposals, and that the Respondent is competing solely in its own behalf without connection with or obligation to, any undisclosed person or firm. Respondents must fully disclose, in writing to the Purchaser on or before the closing date of this RFP, the circumstances of any possible conflict of interest or what could be perceived as a possible conflict of interest if the Respondent were to become a contracting party pursuant to this RFP. The Purchaser shall review any submissions by Respondents under this provision and may reject any Proposals where, in the opinion of the Purchaser, the Respondent could be in a conflict of interest or could be perceived to be in a possible conflict of interest position if the Respondent were to become a contracting party pursuant to this RFP.
15. The Purchaser reserves the right to accept or reject any, and/or all bids, wholly or in part, and/or to waive formalities if it is in the best interest of the Purchaser to do so. Final decision of whether or not a bid complies with these specifications is solely the judgment of the purchaser. Each bidder agrees to accept the decision of the purchaser as final without recourse or prejudice.
16. This bid is for a complete emergency medical vehicle. No omissions shall be permitted, and the vehicle shall be completed, serviced, and ready to use upon delivery. Failure of the completed vehicle to meet all of the emergency medical vehicle rules, regulations and licensing requirements as to the vehicle less department installed equipment as specified in these bid documents and specifications will cause the contract to be null and void and release the Purchaser from payment.

17. All bid prices shall be in both words and figures. Signature shall be in ink and in longhand.
18. Vendors Liabilities: The bidder receiving the award, shall defend any and all suits and assume all liability for any and all claims made against the Purchaser or any of its officials for the use of any patented process, device, or article forming a part of the emergency vehicle.
19. All purchases are exempt from the payment of Federal Excise Taxes and State Sales Tax and such taxes must not be included in the quoted price. The Purchaser will submit a Tax Exempt Form upon request.
20. All prices and delivery times quoted must be firm F.O.B. for delivery to the Purchaser. All bids must state delivery time. Delivery time shall be stated in calendar days.
21. Before submitting a sealed bid, each bidder must make a careful study of these specifications and bid, and fully assure themselves of the quality of the materials and the character of the workmanship required. The quality of the materials and workmanship is of profound importance to the public safety of the residents of the City of Derby and the Storm Ambulance Corp.
29. No alterations shall be made in the equipment described by the specifications except upon written order of the Purchaser, and when so made, the value of work will be added or deducted from the contract price by mutual agreement of the purchaser and vendor.
30. All materials used shall be new and of the best quality of their respective kinds. All work performed shall be executed in the most skillful and competent manner. Both materials used and work performed shall, in every respect, meet the complete satisfaction of the Purchaser. The Purchaser will be solely responsible for determining "Quality of Workmanship" or relating suitability of components listed.
21. The bidder shall submit a copy of all of their proposed warranties for the ambulance module.
22. The specifications as detailed under the section SPECIFICATIONS, as well as these GENERAL CONDITIONS, shall constitute a valid part of the signed contract.
23. It shall be noted that the Purchaser is seeking a vehicle that matches the attached specifications. Extensive time has been put into preparing the attached specifications as they relate to the needs of the City of Derby.
24. All specifications contained herein are considered minimum. Since all custom manufacturers have the ability to shear, break, and weld as these specifications require, exceptions will not be necessary for any bidder, however bidder's that closely match these specifications will be considered most advantageous to the City.
25. The following specifications describe an Emergency Medical Vehicle suitable for use by the Purchaser. These specifications are intended to provide a common standard to which all parties may bid.

26. The YES/NO space below each item in this bid specification must be fully and accurately completed in order for the bid to be considered responsive. The bidder must indicate compliance by checking either YES or NO. General statements taking total exception to these specifications shall result in an interpretation of being non-responsive and ineligible for consideration and will be automatically rejected.
27. Any exceptions, variations, deviations and clarifications to these specifications must be set forth on an attached sheet entitled "EXCEPTIONS TO THE SPECIFICATIONS" and made part of the bid. They should include page number and description as they are referred to in the bid specifications. The Purchaser will evaluate each exception taken. The Purchaser reserves the right to accept or reject each exception taken as it applies to the specified item(s). If no exceptions are indicated and the Department accepts the bid, the vehicle must be delivered exactly as specified.
28. The vehicle shall be delivered under its own power to assure adequate break-in while under warranty. It shall first be transported to the local service facility, where final inspection and preparation will be performed. The vehicle will then be delivered to the City of Derby, care of the Storm Ambulance Corp., 151 Olivia Street, Derby, Connecticut 06418. Prior to actual delivery of vehicle all necessary service / prep work, and professional clean / detail shall be performed.
43. A sample of the bidder's sales contract shall be included with the bid proposal. The City may elect to provide a Sales Contract of its own authorship.
44. A manufacturer's certificate of product liability and facility insurance equal to or exceeding \$10,000,000.00 must be provided with the bid.
45. Bidders must submit a copy of a current "Certificate of Good Standing" from the Secretary of State in which the bidder is based. Said document shall not be older than six months.
46. Certification of Non-Collusion: Each bid shall include a Certificate of Non-Collusion, signed by the same officer of the bidder as will sign the Sales Contract
47. References: Bids will only be considered on vehicles constructed in the continental United States, whose manufacturers have an established reputation of permanency and reliability in the field of emergency ambulance construction. Each manufacturer shall furnish satisfactory evidence of their ability to construct the ambulance as specified and shall state the location of the factory where the vehicle will be built. Bids will only be considered from manufacturers who have been in business continuously, without interruption, for a minimum of 15 years. Bidders must state the names, addresses, phone numbers, and contact person of communities in New England using similar apparatus (minimum five references within the past ten years).
48. By submitting the bid, the Bidder certifies that he/she fully understands all the requirements included in the bid terms and specifications, and he is fully informed as to the nature, scope, and time frame of the type of equipment to be supplied.

49. Bidders shall submit an Alternate Price to provide complete inspection, repair and adjustment of all the ambulance at the one-year anniversary of the delivery date.
50. Time is of the essence.
51. Delivery: All bidders shall provide delivery of the ambulance to City of Derby, care of the Storm Ambulance Corp., at 151 Olivia Street, Derby, Connecticut 06418. The vehicle shall be driven to the final delivery location.
54. The Manufacturer shall submit at the time of delivery, a complete Owner's Manual which shall include, but not limited to, wiring schematics, warranty undercoating information, literature pertaining to any item that is installed on the vehicle, and copy of all stickers (Star of Life, KKK certification, etc.).
56. A bid bond in the amount of ten (10) percent of the bid price shall accompany each bid. Bids submitted without a bid bond will not be read. The bid bond must be issued by an insurance company registered with the insurance Commissioner of the State of Connecticut. An Officer of the Bidder's company must sign bonds. Bonds issued by non-registered or foreign insurance companies will be immediately rejected
57. The Purchaser requires, Performance and Payment Bonds in the amount of 100% of the contract price which shall be furnished within fifteen (15) days of signing the contract. The Performance and Payment Bonds must be issued by an Insurance company registered with the Insurance Commissioner of the State of Connecticut and must be signed by an Officer of the bidder's company. Bonds issued by non-registered or foreign insurance companies will be immediately rejected. These bonds shall be listed as an "Alternate Price" that the Purchaser may desire to purchase. This price shall not be included in the actual bid price. The cost of the Performance and Payment Bonds must be stated within the bidder's proposal document.
58. All bidders should visit the Storm Ambulance Corp., 151 Olivia Street, Derby, Connecticut 06418 where the 2008 type III class I ambulance used ambulance with 148,367 miles is housed at Eastford Truck Sales, 10 Westford Road, Eastford, CT 06242. All bidders shall take into consideration the existing condition of the trade-in, and should the bid be accepted, the bidder will be held responsible for any omission, misunderstanding or errors related to the trade-in. It is the intent of the Purchaser to utilize the "trade-in" vehicle as in past practice to provide emergency care service to the residents of the Purchaser until the new vehicle is delivered and accepted. The trade-in vehicle is available for inspection appointment only. Prospective bidders should contact Chris Bowen at (860) 428-7680 to set up an appointment.
59. All bids must be completed on the enclosed form. No other forms or specifications are to be used. By rejecting any bids not submitted, the buyer will ensure that all bidders are bidding on the same standard so a fair evaluation can take place.
60. AWARD CRITERIA: The Purchaser will be guided by, but not limited to the following criteria.

General Criteria:

- Warranty Terms and Service
- Manufacturer's Certificate of Product Liability and Facility Insurance
- Certificate of Good Standing
- Certificate of Non-Collusion
- Letter of Compliance (Test Laboratory)
- Qualified Vehicle Modifier Certificate (Chassis Manufacturer)

Technical Criteria:

- Meets all specified requirements
- Meets all desirable capabilities
- Meets all maintenance requirements
- Meets all construction standards
- Meets all D.O.T. requirements (at the time of Bid)

Special consideration will be given to the following points:

- Accessibility of various components requiring periodic maintenance.
- Ease of operation.
- Ease of routine maintenance.
- Symmetrical proportions.

61. Upon a successful bid award, the vendor shall provide the following to the purchaser, upon ambulance delivery:

1. Manufacturer's Quality Assurance Vehicle Testing and acceptance documents.
2. One (1) copy of conversion parts, service, and operational manuals.
3. OEM Chassis Owner's Guide materials as provided by the chassis manufacturer.
4. Two (2) copies of "as built" customized electrical schematics for the ambulance conversion.

LEGAL RIGHT TO SPECIFY

The Purchaser chooses to exercise its Legal Right to Specify as determined by the U.S. Supreme Court's affirmation of the decision handed down in the case of Whitten Corp. vs. Paddock by the U.S. District Court of Massachusetts, the First Federal District Court:

1. That as trained professionals, the Purchaser makes informed judgments on products that they feel bestserve their needs. Technically, very few brands of material or equipment are exactly alike,

and if the specifier wants to limit the specification to one source, he has the right to do so and enforce it.

2. Only the specifier has the responsibility and judgment for determining whether a proposed substitution is an "or equal".
3. That from start to finish in the purchasing process only the specifier can ultimately decide if another desirable product is available in lieu of the specification.
4. Finally, that the courts concluded "the burden is on the supplier or manufacturer, who has NOT been specified, to convince the specifier that their product is equal for the purpose of a particular project".

The specifier has determined that this product specification shall represent the product to which all offerings shall be compared. Due to the fact that emergency response duties are ULTRA-HAZARDOUS, UNAVOIDABLY DANGEROUS activities, only trained personnel with specific knowledge in the area of Emergency Service Equipment shall be allowed to make the final decision on the selection of the appropriate product to best serve the purchaser.

VERIFICATION AND CERTIFICATION INFORMATION

All bidders shall provide in writing from an independent testing facility that their proposed vehicle conforms to federal G.S.A. specifications KKK A 1822F. In-house certifications will not be accepted due to the nature of their potential bias. The vehicle must conform to all of the most recent change orders and amendments to KKK A 1822F.

Does your bid comply with this requirement? YES (___) NO (___)

As an indication of good quality control processes, bidders must provide proof that they are currently members of the National Truck Equipment Association's (N.T.E.A.) Ambulance Manufacturers' Division (A.M.D.) and enrolled and certified in Ford's Qualified Vehicle Modifier (QVM) Program. Manufacturers must remain enrolled in the QVM program for the duration of the construction period and through delivery.

Does your bid comply with this requirement? YES (___) NO (___)

REFERENCE LIST

Each bidder shall furnish satisfactory evidence of his ability to construct the vehicle as herein specified and state the location of his factory where the vehicle is to be built. Each bidder must state ten (10) locations where a similar vehicle, built by the manufacturer, has been delivered and is in operation, thus showing its ability to comply. These ten (10) vehicles must be built on identically sized and type chassis built by the same chassis manufacturer as specified herein. The names of the organization, date of delivery, and a contact person's name and phone number must be included.

Does your bid comply with this requirement? YES (___) NO (___)

In addition, each bidder shall list five (5) vehicles built by the manufacturer which have been re mounted onto new chassis by the manufacturer within the last three (3) years. The year of original manufacture, as well as the

date of re mounting must be included along with the name, address, and phone number of the organization that is currently operating the re mounted vehicle.

Does your bid comply with this requirement? YES (___) NO (___)

The manufacturer must be engaged actively in the business of manufacturing emergency medical vehicles. The manufacturer must have had at least thirty (30) years prior experience in building emergency medical vehicles. Proof must be submitted with bid.

Does your bid comply with this requirement? YES (___) NO (___)

All parts and components not specifically mentioned herein which are necessary to provide a complete well-equipped and safe emergency medical vehicle shall be furnished by the bidder and shall conform in quality, strength, and workmanship. Certification may be required on non-specified component parts.

Does your bid comply with this requirement? YES (___) NO (___)

BUY AMERICAN

It is the intent of these specifications and requirements listed herein to obtain proposals on vehicles to meet the local needs of the Purchaser that may be easily and completely evaluated on an equal basis. In accordance with "Buy America" programs, proposals will be accepted only from manufacturers that are only 100% wholly owned, financed, and operated by USA based firms.

Does your bid comply with this requirement? YES (___) NO (___)

SERVICE

Bidder must offer on-site service for minor repairs and adjustments, and a drive-to service facility for all chassis and conversion warranty and non-warranty items. Drive-to service facility shall be no more than 75 miles from the purchaser's place of business. Pick-up and delivery service to the drive-to service facility shall be included at no additional charge. Service for both the chassis and conversion must be provided. If the vehicle is reported to be out-of-service, it must be picked-up in 24 hours or less. Diagnostics must commence immediately upon arrival. If parts are not in stock, they must be shipped overnight express. Once repairs are completed the vehicle must be returned in 12 hours or less. NO EXCEPTIONS. Service must be provided by a licensed repair facility. NO EXCEPTIONS. Bidder must state their service provisions and requirements necessary to maintain the manufacturer's warranties and the location of the nearest manufacturer's authorized service facility. SERVICE MUST BE PROVIDED BY THE SELLING DEALER. USE OF A THIRD-PARTY SUB-CONTRACTOR WILL BE UNACCEPTABLE. NO EXCEPTIONS.

Does your bid comply with this requirement? YES (___) NO (___)

EMERGENCY ROADSIDE SERVICE

Bidder must offer emergency roadside service at no additional charge should the Emergency Medical Vehicle become disabled and/or unable to be operated in a safe manner. Service for both the chassis and conversion must be provided. NO EXCEPTIONS. SERVICE MUST BE PROVIDED BY THE SELLING DEALER. USE OF A THIRD-PARTY SUB-CONTRACTOR WILL BE UNACCEPTABLE. NO EXCEPTIONS.

Does your bid comply with this requirement? YES (☐) NO (☐)

AUTO BODY REPAIR

Bidder must provide a drive-to auto body repair facility for all body work. Drive-to auto body repair facility shall be no more than 75 miles from the purchaser's place of business. Pick-up and delivery service to the drive-to auto body repair facility shall be included at no additional charge. Body repair for both the chassis and conversion must be provided. Bidder must state their body repair provisions and requirements necessary to maintain the manufacturer's warranties and the location of the nearest manufacturer's authorized body repair facility.

Does your bid comply with this requirement? YES (☐) NO (☐)

GARAGE LIABILITY AND GARAGE KEEPER'S LIABILITY

INSURANCE

The bidder will maintain Garage liability insurance coverage with a minimum of \$3,000,000 per occurrence (Umbrella/ Excess accepted). The coverage limit will be in effect at the time the bid is submitted and at the time the Emergency Medical Vehicle is accepted. The bidder will maintain Garage Keepers liability insurance coverage with a minimum coverage limit of \$750,000 for each location. The Garage Keepers coverage will be written on Direct Primary coverage form. Policies that are secondary to the buyer's own liability insurance shall be unacceptable. NO EXCEPTIONS. The coverage limit and coverage form will be in effect at the time the bid is submitted and at the time the Emergency Medical Vehicle is accepted. A copy of valid insurance proof shall be included with this bid. Bidders failing to submit proof of this insurance requirement cannot be accepted and their bid proposal will be rejected.

Does your bid comply with this requirement? YES (☐) NO (☐)

VEHICLE INSPECTIONS

In addition, the bidder must provide semi-annual Inspections of the entire conversion, including all interior and exterior electrical components, all interior and exterior hardware, interior and exterior door latches, hinges, locks, sliding tracks, handles, weather-stripping, flooring, trim, upholstery, etc. Inspections shall take place at the purchaser's place of business for the first five (5) years of ownership. Documentation of inspections shall be provided to the purchaser and shall be kept on file by the bidder for a minimum of five (5) years. Any repairs necessary shall be performed at the cost of the purchaser at the discretion of the purchaser.

Does your bid comply with this requirement? YES (☐) NO (☐)

SERVICE REFERENCE LIST

Each bidder shall furnish satisfactory evidence of his ability to provide the above service, auto body repair, liability insurance, and preventive maintenance requirements by providing a reference list of similar units delivered to local customers including a contact name, phone number, year, make, and model, and a date of delivery. This list shall show proof that these services are routinely provided by the bidder without additional

charge to all its customers. This list must include customers who have purchased ambulances at least five (5) years ago or more as well as units delivered within the past year. NO EXCEPTIONS.

Does your bid comply with this requirement? YES () NO ()

Bidder must be a registered and/or licensed automobile dealer within the state of the purchaser. This will assure the purchaser full protection under the laws governing the sale and service of automobiles within the purchaser's state. A copy of the dealer's license must be submitted with the bid.

Does your bid comply with this requirement? YES () NO ()

Bidder shall list all applicable warranties, including the modular body. Stated warranties will be a factor in the bid award.

Does your bid comply with this requirement? YES () NO ()

The manufacturer shall be a member in good standing of the Ambulance Manufacturer's Division (AMD) of the National Truck Equipment Association (NTEA). The manufacturer shall also be a member in good standing of the National Fire Protection Association (NFPA). This is to demonstrate active industry participation in evolving standards processes and technological changes. Documentation must be provided.

Does your bid comply with this requirement? YES () NO ()

TRADE-IN

The purchaser requires all bidders to offer a value for a 2008 type III class I ambulance. The purchaser urges bidders to inspect the vehicle prior to making their offer. The purchaser makes no representations as to the condition of the vehicle. Bidders will make their offer on an as is basis. The purchaser reserves the right to split the award, whereby the contract for the new ambulance purchase may go to one bidder while the sale of the used ambulance may go to another bidder. Therefore, bidders are required to offer two separate prices, one for the new vehicle, and one for the used vehicle. BIDS, WHICH FAIL TO OFFER A SEPARATE VALUE FOR THE USED AMBULANCE, WILL BE REJECTED.

Does your bid comply with this requirement? YES () NO ()

PROPOSAL FORMAT

For ease of comparison, all bid proposals must be submitted in the same order as these specifications. NO EXCEPTION TO THIS REQUIREMENT WILL BE ACCEPTED.

Does your bid comply with this requirement? YES () NO ()

DRAWINGS

Bidder must include color 8 ½" x 11" proposal drawings of the vehicle being proposed, showing the locations of all requested equipment, cabinets, and compartments. Views must include front and rear exterior views, street side and curb side exterior views, and interior views of front wall, rear wall, main cabinet wall, bench

wall, and overhead. NO EXCEPTION TO THIS REQUIREMENT WILL BE ACCEPTED.

Engineering blueprints showing dimensions of all cabinets and compartments must be approved by an authorized agent for the purchaser prior to any metal being sheared or cut for the unit. The purchaser and the manufacturer shall each have a copy of this blueprint. This blueprint shall then become a part of the total contract.

Both sets of drawings must show, but not be limited to, such items as the chassis being utilized, lights, horns, sirens, all compartment locations, and dimensions, etc. In actuality, this blueprint is to be a visual interpretation of the unit as it is to be supplied.

Does your bid comply with this requirement? YES (___) NO (___)

BONDING

A ten percent (10%) bid bond shall be properly executed and indicate the name of the bidder. In addition, the cost of a 100% performance bond shall be included in your proposal as a separate cost item and so noted on the "bid form" provided.

Does your bid comply with this requirement? YES (___) NO (___)

NEW CAR VEHICLE LICENSING

Bidder must be a legally licensed Connecticut State New Vehicle Automobile Dealer. Bidders shall include a copy of their valid CT DMV license with the bid documents. Failure to provide proof of licensing shall deem the bid non-responsive and will be rejected.

Does your bid comply with this requirement? YES (___) NO (___)

MANUFACTURER'S LICENSING

Bidder must be a legally licensed Connecticut State Manufacturer. Bidders shall include a copy of their valid CT Manufacturers license with the bid documents. Failure to provide proof of licensing shall deem the bid non-responsive and will be rejected.

Does your bid comply with this requirement? YES (___) NO (___)

DELIVERY

The completed vehicle must be transported from the manufacturer over-the-road to insure a proper break-in period. Vehicles that are delivered via tow truck, flatbed, trailer, or other means shall not be acceptable.

BIDDER MUST STATE THEIR DELIVERY TIME IN CALENDAR DAYS. Bid price must include delivery to the purchaser's place of business. Since delivery proposals by the bidder will weigh heavily in the determination of this bid award, the delivery schedules that are being submitted by the bidder will automatically become binding upon the award of this contract to the successful bidder. The bidder or manufacturer will not be held liable for delay in delivery caused by floods, accidents, strikes, or any events not subject to their control. The bidder will hold him/herself legally responsible if these specifications are not met at the time of delivery.

The successful bidder must provide a training seminar for members of the purchasing organization to familiarize them with the operation of the vehicle upon delivery.

Does your bid comply with this requirement? YES (☐) NO (☐)

ACCEPTANCE

Should the vehicle being proposed not meet or exceed the specifications called for within this package, the purchaser reserves the right to reject the vehicle penalty free.

Does your bid comply with this requirement? YES (☐) NO (☐)

PAYMENT

Bid price must remain binding for a period of thirty (30) days from the bid opening date. Payment will be made in full only after delivery and acceptance of the completed unit. A Bill of Sale and both chassis and conversion Manufacturer's Statements of Origin (M.S.O.) must be provided at time of delivery and receipt of payment in full.

Does your bid comply with this requirement? YES (☐) NO (☐)

BID FORM
(to be used for ambulance bid only)

Bids not submitted on this form will be considered informal and not acceptable.

The undersigned, having a principal place of business at:

Name of company: _____

Address: _____

City: _____ State: _____ Zip: _____

And being experienced and responsible for the performance of same, propose to furnish the following vehicle according to the specifications hereto annexed:

Manufacturer's name: _____

Manufacturer's location (city/state): _____

Number of years manufacturing proposed vehicle: _____

For the sum total of (in words):

(In figures) \$ _____

Trade-in Amount: \$ _____

Cost of 100% performance bond: \$ _____

It is understood that the attached bid specifications, including all instructions and conditions contained herein, shall be considered part of a contract if an award is made, and by submission of this bid, the bidder (signed below) agrees to abide by these specifications in their entirety.

Signature of corporate officer Date

Name of corporate officer (print or type) Title

Non collusive statement must be signed and attached.

NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this bid the bidder certifies that:

- A. This bid has been independently arrived at without collusion with any other bidder, or with any competitor, or potential competitor.
- B. This bid has not been knowingly disclosed prior to the opening of bids for this project to any other bidder, competitor, or potential competitor.
- C. No attempt has been or will be made to induce any other person, partnership, or corporation to submit or fail to submit a bid.
- D. The person signing this bid certifies that he has fully informed him/herself regarding the accuracy of the statements contained in this certification and under penalties of perjury, being applicable to the bidder as well as the person signing its behalf.
- E. That attached hereto (if a corporate bidder) is a certified copy of a resolution authorizing the execution of this certificate by the signer of this bid on behalf of the corporate bidder.

Resolved: that _____ is authorized to sign and submit the bid of this corporation for the following item(s):

_____ And to include in such bid the certificate of non-collusion required by section 103 of the general municipal law as the act and deed of such corporation and for any inaccuracies or mis statements in such certificate this corporate bidder shall be liable for under the penalties of perjury.

The foregoing is a true and correct copy of the resolution adopted by _____ at a meeting of its board of directors held on the _____ day of _____ 20____.

Date

Signature

Title

LIST OF TEN (10) SIMILAR UNITS IN SERVICE

	NAME OF OWNER	DATE OF DELIVERY	CONTACT NAME/PHONE NUMBER
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____

LIST OF FIVE (5) UNITS RE-MOUNTED ONTO A NEW CHASSIS

	NAME OF OWNER	DATE OF DELIVERY	CONTACT NAME/PHONE NUMBER
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

LOCATION OF AUTHORIZED CONVERSION WARRANTY SERVICE FACILITIES

MAXIMUM WARRANTY LIMITATIONS

	NUMBER OF YEARS	MILEAGE
1. Modular Body Structural	_____	_____
2. Ambulance Manufacturer's Interior Cabinets	_____	_____
3. Ambulance Manufacturer's Conversion	_____	_____
4. Ambulance Manufacturer's Electrical System	_____	_____
5. Ambulance Manufacturer's Wiring Harness	_____	_____
6. Ambulance Manufacturer's Paint	_____	_____
7. Chassis	_____	_____

If any of the above warranty programs are pro-rated by time, mileage, or other condition, please specify below.

SPECIFICATION EVALUATION CHECKLIST

ITEMS INCLUDED	INITIAL
CURRENT KKK-A-1822F CERTIFICATION	_____
CURRENT Q.V.M. CERTIFICATION	_____
CURRENT N.T.E.A. MEMBERSHIP	_____
PRODUCT LITERATURE	_____
PRODUCT BUILD SPECIFICATIONS	_____
ALL APPLICABLE WARRANTY DOCUMENTS	_____
PROPOSAL DRAWINGS	_____
INSURANCE CERTIFICATE	_____
COPY OF DEALER’S LICENSE	_____
COPY OF MANUFACTURER’S LICENSE	_____
COMPLETED BID FORM	_____
COMPLETED NON-COLLUSIVE CERTIFICATE	_____
REFERENCES	_____
LIST OF SERVICE FACILITIES	_____
BID DOCUMENT WITH YES/NO RESPONSES	_____
TOTAL NUMBER OF YES’s	_____
TOTAL NUMBER OF NO’s	_____

PARTY IDENTIFICATION:

AGENCY: "Agency" is hereinafter defined as the customer. The customer is a municipal corporation organized and existing under the laws of the State of Connecticut, acting through the Storm Ambulance Corp. charged with the responsibility of purchasing one or more emergency medical vehicle(s).

Bidder Complies YES _____ NO _____

BIDDER: "Bidder" is hereinafter defined as the vehicle manufacturer and/or its authorized representative. The bidder is an assigned representative who is authorized to commit to a contract with the "Agency".

Bidder Complies YES _____ NO _____

VENDOR: "Vendor" Is Synonymous with "Bidder".

Bidder Complies YES _____ NO _____

NOTICE TO BIDDERS: Bidders shall thoroughly examine any drawings, specifications, schedule, instructions, and any other documents supplied as part of this invitation to bid.

Bidders shall make all investigations necessary to thoroughly inform themselves regarding the content of the written specifications, drawings and instructions supplied herein. No pleas of ignorance by the bidder pertaining to the content of the specifications, drawings, schedule, or instructions will be considered by the agency once the deadline for bid submission has occurred. Failure or omission on the part of the bidder to make the necessary examinations and investigations into the content of the specifications shall not be accepted as a basis for making variations to the spec. Failure or omission by the bidder to make all clarifications or explanations of exceptions and conditions that exist or that may exist hereafter shall not be accepted as a basis for making variations to the requirements of the agency or compensation to the bidder.

Bidder Complies YES _____ NO _____

DEFINITIONS:

CLARIFICATIONS: Clarifications shall be written correspondence between the bidder, the agency, and all other qualified bidders. A clarification shall include the paragraph number, page number, the text with unclear content (as written in the specification) and the definition of the clarification requested. Verbal clarifications shall be documented in writing and distributed to all other qualified bidders at least two business days prior to the deadline for bid submission.

EXPLANATION OF EXCEPTIONS: Bidders may take exceptions to any part of the bid contained herein with a written itemized schedule. The schedule shall include the paragraph number(s), the text that the bidder feels he can not comply within an explanation why the bidder feels that the requirement is not in the best interest of the agency and/or an alternate bidder solution. Alternate bidder solutions may be considered by the agency, if the bidder can show the agency that the alternate solution is, in quality and quantity, equal to or better than the

specified item. This agency will share the exception/alternate solution with all other qualified bidders.

Explanation of exceptions shall be documented in writing at least two business days prior to the deadline for bid submission.

Bidder Complies YES _____ NO _____

CORE DESIGN INTENT: The core design intent of the specifications supplied herein is to purchase an ambulance with the highest level of engineering excellence. The "core design" intent of this vehicle shall be centered on the patient's need for pre-hospital care, in conjunction with a safe working environment for the emergency medical personnel.

Bidder Complies YES _____ NO _____

BID PACKAGES SHALL NOT TAKE TOTAL EXCEPTIONS: Bidders are required under this bid invitation to give, for the consideration of the agency, a proposal that will comply with the written specifications, drawings and schedules supplied herein. The specifications supplied represent a compilation of input from all disciplines of users, patients, maintenance, and management personnel who are directly affected by the vehicle's performance.

Careful consideration pertaining to safety, configuration, construction, and workmanship are based on working experiences by all the personnel who have direct, working contact with the subject vehicle specified herein. The "core design" of this ambulance was created as a result of resolving issues and improvement suggestions that have originated from the personnel most QUALIFIED to make such input.

A bidder who submits a bid that takes "total exception" and makes an offering of some "standard" or "stock" unit will be viewed by the agency as a bidder who did not make, and is not prepared to make, a valid bid, and is not qualified to manufacture the ambulance as specified herein. Alternate bids will not be considered.

Bidder Complies YES _____ NO _____

VEHICLE QUANTITY: THIS AGENCY is currently seeking to purchase one vehicle per the specifications set forth in this solicitation for bid. This agency and/or other government or private agencies that qualify to purchase under this contract will reserve the right to increase the number of vehicles purchased without incurring an obligation to obtain bids from other vendors for a period of two years. A contract extension may be provided to the successful, qualified vendor who has performed satisfactorily to the original contract.

Bidder Complies YES _____ NO _____

VENDOR QUALIFICATIONS:

FORD QVM: All bidders shall be members in good standing of the Ford Motor Company's qualified vehicle modifier program (QVM). Each bidder shall supply a copy of their valid QVM certification with their bid

package. If for any reason the QVM certification has been withdrawn or suspended by Ford Motor Company within the past five years, the bidder shall supply a full written explanation as to why it was withdrawn. The written explanation shall include any corrective actions taken to regain the QVM certification.

Bidder Complies YES _____ NO _____

PRODUCT LIABILITY INSURANCE: Proof of current liability insurance shall be supplied. The proof of insurance shall bear the insurance carrier's name, address, and phone number. The proof shall also bear the name and address of the insured. This document shall contain the coverage schedule, explaining the type of insurance, the policy number, the effective date of coverage, the policy expiration date, and the individual limits. The minimum amount of coverage shall be as follows in USD:

Commercial General Liability - As Follows:

Each Occurrence: \$1,000,000

Damage To Rented Premises, Each Occurrence: \$300,000

Personal And Adv Injury: \$1,000,000

General Aggregate: \$4,000,000

Products - Comp/OP Agg: \$4,000,000

Automotive Liability - Combined Single Limit: \$2,000,000

Garage keepers - Limit \$1,000,000.

Excess Liability - Occur

Each Occurrence: \$5,000,000

Limit-Quota Share: \$10,000,000

Workers Compensation and Employers' Liability

E.L. Each Accident: \$1,000,000

E.L. Disease Policy - Each Employee: \$1,000,000

E.L. Disease - Policy Limit: \$1,000,000

Bidder Complies YES _____ NO _____

NON-DISCRIMINATION AND EQUAL OPPORTUNITY: The bidder/contractor agrees to comply with all federal statutes relating to non-discrimination. These include but are not limited to:

(a) title vi of the civil rights act of 1964 (p.l. 88-352) which prohibits discrimination on the basis of race, color, or national origin:

(b) title ix of the education amendments of 1972, as amended (20 U.S.C. 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex:

(c) section 504 of the rehabilitation act of 1973, as amended (29 U.S.C 794), which prohibits discrimination on the basis of handicaps and the Americans with disabilities act of 1990:

(d) the age discrimination act of 1974, as amended (42 U.S.C. 6101-6107), which prohibits discrimination on the basis of age:

(e) the drug abuse office and treatment act of 1972 (p.l. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse:

(f) the comprehensive alcohol abuse and alcoholism prevention, treatment, and rehabilitation act of 1970 (p.l. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism:

(g) 523 and 527 of the public health service act of 1912 (U.S.C. 290 dd-3 and 290 ee-3), as amended,

relating to confidentiality of alcohol and drug abuse patient records:

(h) title viii of the civil rights act of 1968 (42 U.S.C. 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental, or financing of housing:

(i) any other nondiscrimination provisions in any specific statute(s) applicable to any federal funding for this agreement:

(j) the requirements of any other nondiscrimination statute(s) which may apply to this agreement.

Bidder Complies YES _____ NO _____

DRUG FREE WORKPLACE: The bidder shall conduct business as a drug free workplace. The bidder/manufacturer and all of its sub-contractors shall provide notice to their employees and sub-contractors as required under the drug-free workplace act of 1988. A copy of bidder's drug-free workplace policy shall be furnished to this agency upon request.

Bidder Complies YES _____ NO _____

QUALITY MANAGEMENT SYSTEM REGISTERED: The manufacturer shall have a certificate of registration for iso 9001(tm) 2015 for their quality management system (QMS). The QMS provides establishment, documentation, implementation, maintenance, and improvement of management systems that impact the final quality of the product. Registration of the vendor's QMS demonstrates an enduring commitment to quality, a sharp focus on the customer, and robust communication throughout the product process chain to the customer. This registration provides for oversight with routine inspection of the QMS to maintain certification status. Proof of certification shall be readily available upon demand. Proof of certification shall be provided with bid during initial bid process.

Bidder Complies YES _____ NO _____

NATIONAL TRUCK EQUIPMENT ASSOCIATION TESTING

AMD 001 AMBULANCE BODY STRUCTURE STATIC LOAD TEST: The ambulance described herein shall be type tested to the national truck equipment association's ambulance manufacturing division, standard 001 ambulance body structure static load test except the test weight shall be a minimum of two and a half (2-1/2) times the curb weight of the built vehicle.

AMD 003 OXYGEN TANK RETENTION SYSTEM STATIC TEST: The ambulance described herein shall be type tested to the national truck equipment association ambulance manufacturing division, standard 003 - oxygen tank retention system static test. The test shall be conducted by an independent testing laboratory.

Safety is this agency's first concern. Main cylinder control is extremely important and is crucial to the safety of the patient, public passengers, and crew. If the bidder has experienced a cylinder rack separation from the oxygen compartment wall, or if the cylinder has come loose from the cylinder restraining device, then the bidder shall supply this agency with a report containing the date, a full explanation of the incident and corrective actions taken to prevent future failures. Main oxygen/air cylinders that come loose during a collision indicate mechanical defects in the design of the restraining device or the mounting method. Any AMD standard

003 testing prior to the incident is deemed invalid, regardless of the expiration date of the original test.

AMD 004 LITTER RETENTION SYSTEM STATIC TEST: The cot/litter retention system described herein shall be tested to the national truck equipment association, ambulance manufacturing division standard 004 - litter retention system static test. The cot mount hardware, mounting method and floor reinforcement areas shall exceed the test as described in AMD 004. This test shall be conducted by an independent testing laboratory.

Safety is this agency's first concern. Main cot/litter retention is critical to patient care. If the bidder has experienced a litter ejection due to a hardware defect or a defect in the mounting method, then the bidder shall supply the agency with a report containing the date, a full explanation of the incident and corrective actions taken to prevent future ejections. Main cot/litter ejections that occur during a collision indicates mechanical defects in the design of the restraining device or the mounting method. Therefore, all bidder AMD standard 004 testing dated prior to the incident is deemed invalid, regardless of the expiration date of the original test.

AMD 005 - 12-VOLT DC ELECTRICAL SYSTEMS TEST: The 12-volt dc electrical system described herein shall be tested to the national truck equipment association, ambulance manufacturing division standard 005 - 12-volt dc electrical system s test. This test is valid for the test article vehicle only. The test shall be conducted on each ambulance. The results of the test shall be recorded on an electrical system performance sheet and shall be included with the delivery documents. This test shall be conducted by a qualified quality control electrician at the ambulance manufacturing plant.

Reliability and safety are this agency's first concern. The 12-volt electrical system must be function under all normal or adverse driving and operating conditions. Each electrical device, electrical component, wire, wire route and connection quality shall be tested for reliability as a "system" on each vehicle sold. If the bidder has experienced an electrical fire or an electrical failure resulting in a disabled ambulance going to an emergency call or during transportation, shall supply this agency with a report containing the date, a full explanation of the incident and corrective actions taken to prevent future electrical failures.

AMD 006 - PATIENT COMPARTMENT SOUND LEVEL TEST: The ambulance described herein shall meet or exceed the national truck equipment association ambulance manufacturing division standard 006 - patient compartment sound level test. The sound level in the driver or patient cabin shall be eighty decibels or less under the conditions described in AMD standard 006.

AMD 007 - PATIENT COMPARTMENT CARBON MONOXIDE LEVEL TEST: The ambulance described herein shall meet or exceed the national truck equipment association, ambulance manufacturing division standard 007 - patient compartment carbon monoxide level test. The patient and driver cabin shall be environmentally sealed from carbon monoxide gases that are emitted from internal combustion engines. The ambulance specified herein shall have safe carbon monoxide levels of ten parts per million or less while the vehicle is exposed to the conditions described in AMD standard 007.

AMD 008 - PATIENT COMPARTMENT GRAB RAIL STATIC LOAD TEST: The patient cabin grab rails shall be tested to the national truck equipment association, ambulance manufacturing division standard 008 - patient compartment grab rail static load test. The ceiling mounted grab rails shall be subject to a three-axis load of three hundred pounds. The ceiling mounted grab rail shall not come loose from the ceiling or permanently deform. All mounting fasteners shall be threaded into metal structure not less than .125 inches thick.

AMD 009 - 125-VOLT AC ELECTRICAL SYSTEMS TEST: The patient cabin shall be wired per the national truck equipment association, ambulance manufacturing division standard 009 - 125 -volt ac electrical systems test. The ambulance wiring shall comply with the national electric code in effect at the time of manufacture of the ambulance. The system specified herein shall be a 2-wire system with a ground. All outlets and 120-volt hard wired devices, on the ambulance, shall have ground fault interrupter protection.

AMD 010 - WATER SPRAY TEST: the ambulance specified herein shall be water spray tested for water leakage into the patient's and driver's cabins. The door to jamb seal, window installation and seals shall be tested against leakage per the national truck equipment association, ambulance manufacturing division standard 010 - water spray test. This test shall be conducted on each ambulance by the quality assurance department.

AMD 011 - EQUIPMENT TEMPERATURE TEST: The ambulance and equipment specified herein shall operate satisfactorily operate between 30 degrees and 125 degrees Fahrenheit per the national truck equipment association, ambulance manufacturing division standard 011 - equipment temperature test. This standard must be type certified by an independent testing laboratory on a like test model.

AMD 012 - INTERIOR CLIMATE CONTROL TEST: The ambulance and equipment specified herein shall be equipped with a HVAC (heating, ventilation, and air conditioning) system that will meet or exceed the performance criteria set forth in the national truck equipment association, ambulance manufacturing division standard 012 - interior climate control test. This standard must be type certified by an independent testing laboratory on a like test model.

AMD 013 - WEIGHT DISTRIBUTION GUIDELINES: The ambulance specified herein shall be weighed at the end of the ambulance manufacturer's production cycle to assure compliance with the national truck equipment association, ambulance manufacturing division standard 013 - weight distribution guidelines.

The vehicle specified herein must be weighed on a four-point scale that measures the weight imposed on each wheel. The side-to-side weight difference tolerance shall not exceed five percent (5%). The total weight imposed on the front axle shall not exceed the chassis manufacturer's gross axle weight rating minus three hundred pounds. The total weight imposed on the rear axle shall not exceed the chassis manufacturer's gross axle weight rating minus one thousand pounds. The aggregate total of all four points shall not exceed the gross vehicle weight rating minus eleven hundred pounds regardless of customer specified equipment.

AMD 014 - ENGINE COOLING SYSTEM TEST: The cooling system in the ambulance specified herein shall be tested to assure compliance with the national truck equipment association, ambulance manufacturing division standard 014 engine cooling system test. The vehicle specified herein must be tested at the end of the ambulance manufacturers manufacturing cycle to determine if the cooling system capacity is adequate to maintain safe engine operating temperature at ninety-five degrees, ambient temperature for one hour. Each ambulance shall be checked to assure a leak and trouble-free cooling system performance.

AMD 015 - AMBULANCE MAIN OXYGEN SYSTEM TEST: Each ambulance's main oxygen system shall be tested to assure compliance with the national truck equipment association, ambulance manufacturing division standard 015 ambulance main oxygen system test. The subject vehicle specified herein must be equipped with an oxygen system that can withstand a 150-psi charge of dry air or nitrogen for a period of four hours without a loss exceeding five pounds per square inch of pressure. The results of this test shall be posted inside the oxygen tank stowage compartment. A certificate shall be supplied, describing the test conditions, the initial test pressure, the final pressure (after four hours) and the name of the inspector who performed the test.

AMD 016 - PATIENT COMPARTMENT LIGHTING LEVEL TEST: The ambulance and equipment specified herein shall be equipped with patient compartment lighting that will meet or exceed the performance criteria set forth in the national truck equipment association, ambulance manufacturing division standard 016 - patient compartment lighting level test. This standard must be type certified by an independent testing laboratory on a like test model.

AMD 017 - ROAD TEST: The ambulance and equipment specified herein will meet or exceed the performance criteria set forth in the national truck equipment association, ambulance manufacturing division standard 017 - road test. This standard must be type certified by an independent testing laboratory on a like test model.

AMD 018 - REAR STEP AND BUMPER STATIC LOAD TEST: The rear step and bumper shall be type tested to the national truck equipment association, ambulance manufacturing division standard 018 - rear step and bumper static load test. This standard must be type certified by an independent testing laboratory on a like test model.

AMD 019 - MEASURING GUIDELINES: COMPARTMENTS AND CABINETS: The ambulance specified herein shall be in compliance with the national truck equipment association, ambulance manufacturing division standard 019 - measuring guidelines: compartments and cabinets.

AMD 020 - FLOOR DISTRIBUTED LOAD TEST: The ambulance specified herein shall be type tested to the national truck equipment association, ambulance manufacturing division standard 020 - floor distributed load test. This standard must be type certified by an independent testing laboratory on a like test model.

AMD 021 - ASPIRATOR SYSTEM TEST, PRIMARY PATIENT: Each ambulance's primary patient aspirator system shall be tested to assure compliance with the national truck equipment association, ambulance manufacturing division standard 021 - aspirator system test, primary patient.

AMD 022 - COLD ENGINE START TEST: The ambulance specified herein shall be type tested to the national truck equipment association, ambulance manufacturing division standard 022 - cold engine start test.

AMD 023 - SIREN PERFORMANCE TEST: The ambulance siren system shall be type tested to the national truck equipment association, ambulance manufacturing division standard 023 - siren performance test.

AMD 024 - PERIMETER ILLUMINATION TEST: The ambulance and equipment specified herein shall be equipped with perimeter lighting that will meet or exceed the performance criteria set forth in the national truck equipment association, ambulance manufacturing division standard 016 - perimeter illumination test. This standard must be type certified by an independent testing laboratory on a like test model.

AMD 025 - MEASURING GUIDELINES: OCCUPANT HEAD CLEARANCE ZONES: The ambulance specified herein shall be in compliance with the national truck equipment association, ambulance manufacturing division standard 025 - measuring guidelines: occupant head clearance zones.

Bidder Complies YES _____ NO _____

CRASHWORTHINESS: Safety is a primary objective for modular ambulance vehicles produced under this specification. In addition to compliance with design criteria incorporated herein, manufacturer shall also provide certified documentation to provide proof of crash worthiness of vehicle(s) proposed.

Crash worthiness of vehicle shall be demonstrated through a minimum of two actual crash tests of modular body ambulance under laboratory conditions. These crash tests will be similar in scope to testing performed by the national highway traffic safety administration and the Insurance Institute for Automobile Safety to verify the crash worthiness of passenger vehicles. An independent test laboratory accepted and utilized by The National Highway Traffic Safety Administration for their crash tests shall perform this testing and provide certification. Testing shall be performed and verified by SAE member engineers.

Test criteria shall be defined as a minimum of two actual high-speed impact crash tests between an ambulance and mid-size passenger vehicles. Collisions shall be into each side of manufacturer's standard production modular ambulance body mounted on a chassis, struck by an actual bullet vehicle. Crash energy at impact shall be a minimum of 3,000 pounds at 42 miles per hour.

Reports from crash testing shall be certified by testing lab, and shall include the following minimum results:

The required six-point medic restraint system shall hold all attendants in their seats. there shall be no head contact with anything except head rests. There shall be no excessive excursion of the attendants in their seats regardless of which way they were facing.

The ambulance body structure shall remain intact after both impacts. Bending of body shall be localized to point of impact, and doors adjacent to the actual crash point shall continue to operate. There shall be no intrusion into the patient compartment.

The body mount and pucks shall remain intact as a result of the impacts. There shall be no visual damage to body mounts or floor structure.

All interior cabinetry and fixtures shall remain in place and undamaged.

This provision requires actual crash testing of an ambulance by high-speed moving vehicles to validate safety and crash worthiness. Crash simulations, acceleration Testing, sled testing: Barrier testing or other theoretical tests are not sufficient to meet this requirement. Certified documentation from a qualified independent testing laboratory shall be provided with the bid in-order to validate compliance with this requirement.

Bidder Complies YES _____ NO _____

SPECIFICATION COMPLIANCE: The vendor shall inspect and test all systems, electrical loads, per current federal specification kkk-a-1822 section 4. Testing results shall be documented and displayed in the oxygen compartment and/or supplied with the delivery handbook.

QUALITY/COMPLIANCE ASSURANCE: A thorough quality/compliance inspection by this agency's employees or this agency's hired representative shall compare the ambulance to the specifications within 10 calendar days of written notice of vehicle completion by the successful bidder. The notice may be faxed,

followed by phone contact. The customer reserves the right the bidder's dealer to conduct the inspection provided the dealer is authorized and qualified to correct quality/compliance issues at the dealer site.

Bidder Complies YES _____ NO _____

NON-COLLUSIVE BID CERTIFICATION: By submission of this bid response, the bidder and/or the bidder's authorized representatives, certify under penalty of perjury, that to the best of their knowledge and belief the following:

A) The prices in the bid response have been arrived at independently without collusion, consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor, and:

B) Unless otherwise required by law, the prices which have been quoted in the bid response have not knowingly been disclosed by the bidder and will not knowingly be disclosed by the bidder, prior to the public bid opening, either directly or indirectly to any competitor, and:

C) No attempt has been made or will be made by the bidder, for the purpose of restricting competition, to induce any person, partnership, or corporation not to submit a bid response.

Bidder Complies YES _____ NO _____

BID GUARANTY: Bid proposals submitted for this solicitation shall be accompanied by a certified check, cashier check or surety bond in the amount of ten percent (10%) of the total price of the bid. If a surety bond is issued, then the bid surety shall be made payable to this agency and conditioned upon the successful bidder accepting award and submitting an acceptable performance bond. In the event of failure or refusal to perform or comply with the terms and specifications set forth herein, the bid surety may be forfeited as liquidated damages to this agency. All bid bonds must be made on the company submitting the bid. If the bidder is an authorized representative of the manufacturer or dealer, then the bond must be made from the dealer: not the manufacturer.

Bidder Complies YES _____ NO _____

PERFORMANCE AND PAYMENT BOND: Within fourteen (14) calendar days after receipt of the official notification of award, the successful bidder shall furnish a performance bond in the amount of one hundred percent (100%) of the contract price. The successful bidder and surety company shall agree to bind themselves, their successors, executors, administrators, and assigns, jointly and severally to vehicle(s) and equipment per the specifications, intent of specifications, special and general conditions and to the purchase order. This bond shall remain in force until each vehicle and its equipment has been delivered and accepted.

REMEDY DUE TO FAILURE TO PERFORM: failure to deliver any part of the order to the terms above maybe considered by this agency (purchaser) as a breach of contract in which case the vehicle(s) and equipment may be rejected, and this agency (purchaser) has the right to require forfeiture of the full amount of the performance bond as liquidated damages.

Performance bond company requirements:

- 1) the performance bond company shall be authorized to do business, under the laws of the home state of this agency.
- 2) the performance bond company shall have a general policy holders rating of not less than "a+/13", and the amount of any required bond shall not exceed five percent (5%) of the reported policy holder's- surplus as reported in the latest edition of best's key rating guide, published by Alfred M. Best company, INC. The attorneys-in-fact, who sign the bonds, must file with the bonds a certified copy of their power of attorney to sign such bonds.

Cost of the bonds: the cost of the bid and performance bonds shall be included in the bid price.

ACCEPTABLE PERFORMANCE BOND ALTERNATE: A certified or cashier's check made payable to this agency (purchaser) in the amount of 100% of the contract price may be delivered in lieu of the performance bond. A purchase order will be issued only after receipt of a certified/cashier's check or bond which has been validated by the purchaser as meeting the above requirements.

Bidder Complies YES _____ NO _____

DEBARMENT STATUS: By submission of this bid response, the bidder and/or its authorized representative, certify under penalty of perjury, that to the best of their knowledge and belief they are not currently debarred from submitting bids or bid on contracts by any agency within the home state of this agency, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency within the home state of this agency.

WARNING: this agency will not tolerate vendors who state compliance to specifications but deliver an incomplete product and/or sub-standard materials and workmanship. Vendors who have made delivery of such an ambulance without making every reasonable effort to remedy the defects found at the time of delivery or within the warranty period will be notified that they are debarred from submitting bids to this agency in the future. This agency will not waste valuable time (more than once) trying to recover legal costs and deal with lost in-service time of new apparatus, working with vendors who are unresponsive to the needs of this agency.

Bidder Complies YES _____ NO _____

CHASSIS

TYPE I AMBULANCE: The apparatus shall be a configuration a, 2-door, conventional cab and chassis with a transferable, modular, ambulance body.

Bidder Complies YES _____ NO _____

CHASSIS

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

CHASSIS MODEL: The apparatus shall be mounted on a 2022 or newer F-450, Regular cab, dual rear wheel, four-wheel drive chassis equipped as follows below.

Bidder Complies YES _____ NO _____

WHEELBASE: The wheelbase shall be 169.3 inches with a cab to axle dimension of 84". The wheelbase shall be factory supplied by the OEM modified wheelbases made from chassis with shorter or longer wheelbases are not acceptable.

Bidder Complies YES _____ NO _____

OEM: The acronym OEM is Original Equipment Manufacturer. The OEM is the chassis manufacturer and the vehicles Maker and Origin.

TRIM LEVEL: The cab shall be equipped with an "XLT" Trim level with tilt steering wheel, cruise control, power windows and door locks. The front bumper and grill shall be accented with chrome. The OEM grille work shall remain OEM aftermarket vacuum formed, proprietary grille work made by the ambulance manufacturer is not acceptable due to replacement part cost and lack of immediate availability.

Bidder Complies YES _____ NO _____

STANDARD SAFETY EQUIPMENT: The chassis shall be equipped with the following standard safety equipment.

Safety belt minder for front chassis cab seat belt passengers

Advance Trac with RSC Roll Stability Control

Driver and Passenger frontal and side airbag/curtain

Passenger side airbag deactivation switch

SecuriLock Passive Anti-Theft System, Includes MyKey owner controls feature

SOS Post-Crash Alert system

76Z Secure lock immobilizer. The correct and corresponding transponder coded key must be used to allow the engine to run. Absence of the correct key will prevent the engine from running.

Bidder Complies YES _____ NO _____

ENGINE: A V-8, turbo-charged diesel engine shall be provided with a minimum displacement of 6.7 liters (402 cu in). The engine output shall be 390 horsepower at 2,800 revolutions per minute and deliver 735-foot pounds of torque at 1,600 revolutions per minute. The compression ratio of the engine is 16.2:1 with a high-pressure common rail fuel injection system. Engine performance shall comply with or exceed the most current revision of KKK-A-1822.

Bidder Complies YES _____ NO _____

CHASSIS UNDERHOOD INSULATION: The XLT chassis model does not include under-hood insulation contoured to the chassis hood.

Bidder Complies YES _____ NO _____

TRANSMISSION: There shall be a ford, heavy duty torque shift, 10-speed, automatic transmission with overdrive provided. The transmission shall have selectable drive modes normal, tow/haul, eco and deep sand/snow.

Bidder Complies YES _____ NO _____

EXHAUST FILTER REGENERATION INHIBIT: The chassis shall be ordered with ford option 98r for operator commanded exhaust filter regeneration with active regeneration inhibit on the diesel engine power train. The purchasing agency should familiarize themselves with the owner's manual of the chassis prior to using this manual feature.

Bidder Complies YES _____ NO _____

CAB INTERIOR COLOR: The color of the cab interior shall be gray.

Bidder Complies YES _____ NO _____

TURN DIAMETER: The f-series chassis shall have 169.3-inch wheelbase.

Bidder Complies YES _____ NO _____

CAB SEATS: OEM high back, velour covered bucket type seats shall be provided in the cab. The seats shall manually adjust forward and aft. Seat base must be OEM. After market seats and/or bases are not acceptable due to violations regarding SRS (air bag) deployment geometry and ford QVM guidelines.

Bidder Complies YES _____ NO _____

OCCUPANT RESTRAINT SYSTEM: The front, forward facing cab seats shall be equipped with OEM installed three-point seat belts. The seat belt assemblies shall meet or exceed FMVSS. 208 and 209. The inside conversion panels shall not interfere with the swivel arc of the shoulder rings.

Bidder Complies YES _____ NO _____

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

Bidder Complies YES _____ NO _____

GROSS VEHICLE WEIGHT RATING (GVWR): The GVWR of the chassis supplied shall be at least 16,500 pounds.

Bidder Complies YES _____ NO _____

FRONT AXLE WEIGHT RATING (FAWR): The FAWR shall be rated no less than 7,000 pounds.

Bidder Complies YES _____ NO _____

REAR AXLE WEIGHT RATING (RAWR): The RAWR shall be rated no less than 12,000 pounds.

Bidder Complies YES _____ NO _____

ALTERNATOR: There shall be dual OEM installed engine driven alternators with a gross output of 397-amp rating.

Bidder Complies YES _____ NO _____

BATTERIES: The chassis shall be fitted with Dual batteries OEM installed 750 cold cranking amp, 78-amp hour battery under the chassis hood.

Bidder Complies YES _____ NO _____

TRANSFER CASE: There shall be an aluminum closed coupled, part-time, 2-speed transfer case provided by the OEM. The case shall feature 3 modes of operation: 2-wheel drive high, 4-wheel drive high, 4-wheel drive low. The high range two wheel and four-wheel drive ratio shall be 1.00:1 and the low range shall be 2.72:1. The drive mode shall be manually selected by a rotary type electronic switch on the OEM dash. A 4 x 4 shift indicator shall illuminate on the dash when the transfer case is engaged in 4 x 4. After market or a divorced style transfer case is not acceptable.

Bidder Complies YES _____ NO _____

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

Bidder Complies YES _____ NO _____

SPARE TIRE STOWAGE LOCATION: The spare tire and wheel assembly will not be carried on the unit. The spare tire and all the related tools, if supplied by the OEM, shall be shipped loose with the completed vehicle.

Bidder Complies YES _____ NO _____

JACK AND SPARE TIRE TOOLS: The vehicle jack and tools associated with the spare tire and jack shall be installed behind the passenger's seat.

Bidder Complies YES _____ NO _____

WHEEL/RIM APPEARANCE: All six chassis wheels, on BOTH sides shall be prepared, degreased, and painted to match the paint color on the body. Wheel simulators are not acceptable.

Bidder Complies YES _____ NO _____

PAINT: All seven (7) wheels shall be painted on BOTH sides, INCLUDING the spare. The color shall be color matched to the body color. Hubs are coated or painted; no covers installed.

Bidder Complies YES _____ NO _____

BRAKES: 4-wheel anti-lock, power assisted hydraulic brakes shall be supplied by the OEM. The brakes shall be 4-wheel Disc type with Dual piston, Pin slider calipers. The front disc diameter shall be 14.53 inches in diameter and the rear disc shall be 15.55 inches in diameter. The parking brake shall be a foot operated, hand release independent mechanical brake, provided by the OEM.

Bidder Complies YES _____ NO _____

BRAKE BOOSTER / ANTI LOCK SYSTEM: The brake pedal effort shall be reduced by a hydro-boost power assist unit. The booster shall be installed on the fire wall and linked directly to the foot pedal. Hydraulic brake pressure shall route through a 3-channel, 4-Wheel anti-lock brake system that prevents wheel lock-up.

Bidder Complies YES _____ NO _____

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

- Cloth Headliner
- High trim door panels
- Ford option code 21A high back bucket seats
- Cloth sun visors
- Power Door locks
- Power Windows
- Insulation package

Bidder Complies YES _____ NO _____

FLOOR PEDALS: The chassis shall have OEM adjustable floor pedals, option 62M.

Bidder Complies YES _____ NO _____

DAYTIME RUNNING LIGHTS: Daytime running light option No 942 shall be supplied and installed by the OEM. Both headlights shall come on with the ignition switch.

Bidder Complies YES _____ NO _____

CHASSIS CAB BRAKE LIGHT: There shall be a back of chassis cab high mount brake and courtesy light installed.

Bidder Complies YES _____ NO _____

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

Bidder Complies YES _____ NO _____

FRONT STABILIZER BAR: A computer-selected one inch diameter anti-sway bar shall be supplied. The bar shall regulate body shift and enhance drivability, handling, and control. The solid torsion spring steel bar shall be attached to the vehicle frame utilizing natural rubber bushings and removable steel bushing housings. The ends of the bar shall be inserted into natural rubber bushings, located near the front wheels. Both axle attachment points shall be cast into the forged steel, I-beam front axle.

Bidder Complies YES _____ NO _____

FUEL TANK: The fuel capacity shall be at least 40 US gallons. The fuel range shall be at least 250 miles per KKK-A-1822.

Bidder Complies YES _____ NO _____

TIRES: All mounted, active tires shall be identical make, tread type, size, and load range. For aforementioned GVWR the tires shall be LT225/70R19.5 load range F. A label with the recommended tire pressure shall be located above each wheel opening, unless specified otherwise by the purchaser. All tires shall be balanced per KKK-A-1822 3.6.12.

Bidder Complies YES _____ NO _____

AMBULANCE PREPARATON PACKAGE: The chassis provided shall be equipped with an ambulance preparation package designed and installed by the OEM. The 47L allows operator commanded regeneration down to 30% DPF capacity. The 47A had to have at least 70% DPF capacity to do a manual regeneration. The low DEF fluid will not cause the vehicles speed limiting or forced idle. It will still give you the warning lights, chimes, and message. The 47L is a Federal Emissions compliant package. It is not certified in California or the Green States. California has declared to NTEA/AMD that they do not regulate emergency vehicles. The

package shall be designed to hold up to the demands and duty cycles inherent with Emergency Medical Vehicles.

Bidder Complies YES _____ NO _____

ALTERNATOR - CHARGING SYSTEM: Two alternators shall be supplied and installed by the OEM. The alternators shall be as supplied by Ford under the 47L/A Ford Ambulance Prep option. Both alternators shall be controlled by the vehicle's onboard computer. The combined output of the alternators shall be 377 amps at ideal conditions. The ambulance manufacturer shall not modify the OEM computer's functional control of the alternators. The alternators' output cable, originally connected directly to the positive post of the under-hood battery, shall be rerouted to a 3/8" diameter, solid brass junction post. A 2/O positive battery cable shall reconnect the alternators to the batteries from the junction post. The ambulance load cable shall connect under the hood to the aforementioned junction post.

Bidder Complies YES _____ NO _____

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

Bidder Complies YES _____ NO _____

CAB STEREO: An OEM Ford AM/FM/MP3 in dash radio and four cab mounted speakers shall be included with the chassis. The radio shall feature an eight-inch digital capacitive display with swipe capable technology. The radio and entertainment system shall feature a built-in modem per FORD OEM design with up to 10 user connectivity per compatible devices. The radio shall provide for a clock time display, Bluetooth connectivity smart device mirror integration and retained accessory power. The steering wheel shall have radio controls integrated and easily usable.

Bidder Complies YES _____ NO _____

CHASSIS VOICE CONTROL SYNCH3 (FORD ONLY): The chassis manufacturer shall include a FORD SYNCH3 option which will allow for greater safety of the vehicle driver. The driver shall be able to voice control connect to multiple wireless systems. The driver of the vehicle shall refer to the owner's manual for details of operation. The chassis radio and information system shall feature an eight-inch center stack touch screen with audio control and compass, and eight-inch productivity screen in the instrument cluster. Two USB charging ports shall be OEM included. Bluetooth connectivity to the available applications are available for a connected compatible device. An information cluster screen is located in the chassis to assist the driver.

Bidder Complies YES _____ NO _____

MIRRORS: The chassis shall be outfitted with dual OEM, power adjusted mirror glass, manually telescoping trailer tow black mirrors. The mirrors shall connect to the chassis cab doors at the forward, lower corner of the cab door window. Both mirrors shall feature a bi-directional break-away function to permit folding the mirror heads against body in close quarters. The mirrors shall be seven inches wide by eight inches high and flat on both right and left sides. The mirror shall feature heated surfaces for the main mirror and the convex spotter

mirror. The mirror heads shall incorporate forward facing integrated clearance lamps on the outer edge with minimal halo turn signal functions.

Bidder Complies YES _____ NO _____

REAR KNEELING SUSPENSION: A Liquid Spring rear hydraulic strut suspension shall be installed in lieu of the standard rear OEM single stage leaf springs. The suspension company shall be QS 9000 and ISO 9001 certified for excellence. The liquid suspension shall be rated at 12,000 pounds GAWR and installed per Liquid Spring Directions. Suspension Installation instructions and drawings shall be followed. All guidelines regarding chassis and axle capacity ratings as published by Ford Motor Corporation shall be adhered to.

MECHANICAL SUSPENSION COMPONENTS: The control arms shall be connected to a replacement front hanger that features upper and lower control arm pivot points and a connection point for a heavy-duty sway bar. Both Liquid Spring struts shall be positioned directly aft of the axle and outboard of frame rails. The designed ride height shall maintain original suspension's drive-line geometry.

TRACKING BAR: The suspension shall utilize a lateral control rod (tracking bar) to maintain side to side axle position related to the chassis frame. Wear shoes, mounted to the sides of the frame rails are not acceptable.

HYDRAULIC SYSTEM: All hydraulic lines, fittings, reservoirs, and valves shall be protected against "stone pecking". Abrasion covers, such as nylon convolute loom over the lines are required. The entire assembled system shall be tested for leaks at every fitting connection point.

MECHANICAL QUALITY ASSURANCE: All fasteners related to the suspension assembly are considered critical. All fasteners shall be tightened to the manufacturer's recommended torque by the primary installation mechanic. A secondary mechanic shall "put a wrench" and re-torque ALL of the fasteners and then spray a contrasting color of paint onto the heads and nuts of each fastener.

SUSPENSION JOUNCE STUDY: A suspension jounce clearance study shall be performed throughout the full range of suspension travel to ensure adequate clearance of suspension, frame, and brake components. Test results shall be documented and supplied in the owner's manual.

Bidder Complies YES _____ NO _____

KNEELING FEATURE ENABLE: The rear suspension shall kneel when the triggering device is activated AND an enable switch, located in the cab console is activated.

Bidder Complies YES _____ NO _____

KNEELING FEATURE ACTIVATION: The kneeling feature shall activate in PARK position only. The kneeling feature shall NOT activate in any forward or reverse gear. The above rear suspension shall kneel when the trailing rear access door is opened.

Bidder Complies YES _____ NO _____

VEHICLE EXHAUST TERMINATION POINT: The exhaust system routing shall remain unmodified, and the termination point shall remain after the rear axle on the right side.

Bidder Complies YES _____ NO _____

Liquid spring controller installed on dash on driver side of steering column to the left of the steering column ILOS.

Bidder Complies YES _____ NO _____

REAR STABILIZER BAR: The rear sway bar shall remain OEM.

Bidder Complies YES _____ NO _____

TIRE VALVE EXTENDERS: One pair of tire valve extenders shall be supplied and installed for each inside rear wheel. The tire valve extenders shall permit the user to check tire pressure and fill the inside rear tires without removing the outer tire. The extenders shall have a braided stainless steel outer jacket to resist abrasions and cuts. The filler end shall be supported by a valve bracket.

Bidder Complies YES _____ NO _____

CUSTOM FRONT BUMPER

The OEM front bumper shall be replaced with a Diversified Products steel push bumper without grille guard. It shall be custom coated with Speedliner Black and shall include holes cut in for siren speakers. Black rubber guard shall be installed on the front of bumper.

Bidder Complies YES _____ NO _____

CHASSIS EXTENDED SERVICE PLAN: The successful bidder shall provide a Ford ESP Premium Care, 8 years / 100,000-mile Warranty with \$100.00 deductible, included in the total bid price.

Bidder Complies YES _____ NO _____

MODULE CONSTRUCTION - GENERAL

SERVICE INTENT: The ambulance body shall be all aluminum. The body sheet shall be reinforced with structural members designed to resist deflection and hold up to extreme ambulance service per the latest revision of federal specification KKK-A-1822F.

BODY MEMBER ALLOY: The side, front and rear sheet shall be derived from .125", 5052-H32 aluminum sheet. The roof sheet shall be one (1) piece, .090", from roof rail to roof rail. The side structure and structural shapes shall be extruded of 6105-T6 aluminum.

STRUCTURAL INTEGRITY: The body shall be capable of providing impact deformation and penetration resistance in the event of a collision. The body structure shall be capable of passing a standalone static load test on a type-tested body. The test shall be conducted in accordance with AMD-001 except the test weight shall be a minimum of 55,000 pounds. The same unit shall be subjected to the same test with the body turned on its

side. A complete copy of the testing documents with photos must be supplied upon bid review if requested by this agency. Non-compliant bids will be rejected.

WELD QUALITY: All welds within the modular body shall meet American Welding Society codes for structural and sheet welding.

CREVICE PREPARATION: All skin and extrusion surfaces destined to be mated together, shall be primed with epoxy, etching primer prior to assembly. All overlapping extrusion to skin surfaces shall be bedded with a two-part acrylic high strength bonding adhesive.

SIDE STRUCTURAL MEMBERS: The sheet edges will be fit into slots designed within a proprietary, double hollow, corner post extrusion in addition to the two-part acrylic bonding agent. The sheet will be MIG welded and structurally bonded to the extrusion. Double-hollow designed corner post extrusions shall be used to weld side and end assemblies together. Horizontally oriented, adjoining structural box tubes shall be welded to the corner post with a minimum 50% surface weld. The intermediate structural members of the side grid shall be two by two inch 6105-T6 aluminum, architectural box tubing. All entry and compartment door adjacent members shall be one quarter inch, two by two-inch proprietary extruded shape. The main structure shall surround the compartment openings and provide intermediate skin support. The intermediate structure spacing shall have a nominal dimension of twelve inches. All grid structure shall be welded together with a minimum of 75% of available mating surface. The side skin shall be bonded to the structural grid using 1.75-inch wide, VHB (Very High Bond) adhesive tape. The edges of the tube that touch the skin will be sealed with Bostik Brand, Simson ISR 70-03 Construction Adhesive.

SIDE IMPACT RAILS: There shall be four side impact rails, located in the upper and lower sections of the side walls. They shall consist of 6105-T6 aluminum, that is a solid one-half inch thick by four-inch plate on the curbside and one-half by four-inch plates on the streetside that are continuously MIG welded, or Huck structurally fastened to the structural grid. Since this is a safety item, no exceptions will be accepted.

Bidder Complies YES _____ NO _____

SEAT BELT ANCHORAGE: Occupant seat belts shall be drilled and tapped through one-half by four-inch plate on the curbside and one-half by four-inch plates on the streetside that are continuously MIG welded to the structural grid. Since this is a safety item, no exceptions will be accepted.

Bidder Complies YES _____ NO _____

SIDE SHEET: The side sheet shall be .125 thick, 5052-H32 aluminum. The side sheet compartment opening cut outs shall be cut with CNC controlled, gantry mounted plasma or high-speed routing equipment. The door opening shall be cut to allow for the skin to be molded into the jamb opening to create a crevice free jamb with a smooth paint finish. The machine formed skin shall return into the body at least 3/4" to meet the jamb extrusion. This method will encourage square openings to receive the door assemblies and maintain critical structural locations. The door jamb shall have a full structure frame behind the jamb skin return. It shall not rely strictly on the skin for the compartment jamb. Pre-determined ventilation louvers shall be formed into the body sheet, where specified. Bodies that do not incorporate formed louvers have the potential for additional corrosion points and are not preferred by this agency.

Bidder Complies YES _____ NO _____

SEAMLESS DOOR JAMBS: The door jambs of the module shall be seamless. A seamless door jamb exterior is required to minimize corrosion. Extruded type exposed door jambs do not meet this specification. The skin shall completely conceal the doorjamb from view. The only visible seams on the body sheet shall be at the corner posts. The skin shall extend .688 inch below the skirt rail extrusion to a drip edge to keep moisture from collecting underneath where the skin meets the skirt rail extrusion.

Bidder Complies YES _____ NO _____

CORNER POST EXTRUSION: The corners of the modular body shall be made from an extruded aluminum structure that has an alloy of 6105-T6. The corner post extrusion shall be 3.25 x 3.25-inch with a 2-inch- radius on the outer corner. The corner post extrusion shall have an internal web member that runs on a 45-degree angle to the front and side of the modular body. Where the internal web meets the exterior extrusion wall the internal web shall flair into a .125-inch radius giving a .25-inch wall thickness at the exterior wall of the extrusion. There shall be a .75-inch flange on each side of the corner post extrusion that is a side skin receiver. The side skin receiver shall be funnel shaped to allow the exterior side skin to fully seat into the corner post extrusion. The interior walls of the corner post extrusion shall be .125-inch thick, and they shall incorporate a 45-degree weld bevel on the interior corners.

Bidder Complies YES _____ NO _____

REAR SILL EXTRUSIONS: The rear body and floor substructure shall be constructed of a dual proprietary aluminum extrusion with mating joints. The lower floor extrusion is a combination continuous extrusion with an incorporated L mating surface. The lower door extrusion is a multi-chamber construction with matching radius corner and surfaces to the floor sill. This combination of extrusion and joint structure provides for strong joint strengths, and continuous contact surface between the floor sill and the outer-body door extrusion.

Bidder Complies YES _____ NO _____

FRONT AND SIDE WALL GUSSET PLATES: The front wall and side wall structural members shall have additional support with a fully welded gusset system that shall be made of 5052-H32 aluminum plate, .25-inch-thick by four by four-inch.

Bidder Complies YES _____ NO _____

REAR AND SIDE WALL GUSSET PLATES: The rear wall and side wall structural members shall have additional support with a fully welded gusset system that shall be made of 5052-H32 aluminum plate, one quarter inch thick by four-by-four inch.

Bidder Complies YES _____ NO _____

ROOF RAIL EXTRUSIONS: The roof corners of the modular body shall be made from an extruded aluminum structure that has an alloy of 6105-T6. The roof rail extrusion shall be 4.55 x 3.5 inch with a 2-inch radius on the outer corner. A full-length drip rail shall be incorporated into the roof rail corner post extrusion, drip rails at the top of the modular body that are not inclusive of the roof rail extrusion do not meet the intent of the specification and are deemed non-compliant to this specification. The roof rail extrusion shall have an internal web member that runs on a 45-degree angle to the front and side of the modular body. Where the internal web meets the exterior extrusion wall the internal web shall flair into a .125-inch radius giving a .25-inch wall

thickness at the exterior wall of the extrusion. There shall be a .75-inch-flange on the lower side of the roof rail extrusion that is a side skin receiver. The side skin receiver shall be funnel shaped to allow the exterior side skin to fully seat into the roof rail extrusion. There shall be a .75 x .125-inch recess into the roof side of the extrusion for locating the roof sheeting. This recess shall have a 45-degree weld bevel. The interior wall of the roof rail extrusion that is in-board of the side skin funnel shall be 2-inch-wide so that they line up with the exterior side wall. The interior wall of the roof rail extrusion that is in-board of the roof sheeting recess shall be 2.25-inch-wide so that they line up with the 2.25-inch roof bows. The interior walls of the roof rail extrusion shall be .125-inch-thick, and they shall incorporate a 45-degree weld bevel on the interior corners.

Bidder Complies YES _____ NO _____

ROOF SHEET: The four (4) edges of the sheet shall be continuously welded to the roof rail extrusion to prevent leaks. All perimeter welds shall be ground smooth and worked smooth prior to the overall body paint and finish. Non-fully welded roof sheets to the roof rail extrusions do not meet the intent of this specification and are deems non-compliance to this specification.

Bidder Complies YES _____ NO _____

ROOF BOWS: The roof sheet shall be supported by full width .125-inch-thick x 2 x 2.25-inch architectural box tubing. The roof bows shall be located on twelve-inch centers. The roof bows shall be MIG welded to the roof rail extrusions with no less than four and one-half inches of continuous weld per end. The roof sheet shall be bonded to the roof bows with VHB (Very High Bond) adhesive tape.

Bidder Complies YES _____ NO _____

LATERAL ROOF SUPPORTS: If this agency requires ducted ceiling HVAC, additional structural support will be added as a result of the 2-inch ducted heat and A/C delivery system .2 x 2-inch three-sided extruded channel with two sides being .125-inch-thick and the bottom surface for fastener acceptance to be .160-inch shall be full length of the body.

Bidder Complies YES _____ NO _____

ROOF CORNERS: The roof rail extrusions shall be welded together along the roof bow mating walls at the corners. In addition, the outer surfaces of the roof rail extrusions shall be 100% continuously TIG welded to cast aluminum corner castings. The castings shall have internal mating flanges that extend horizontally inside the upper roof rail extrusion and vertically down the corner post extrusions. The corner roof castings shall have accommodations for number six nylon inserts to retain corner cap marker combination warning lights when they are specified. The nylon inserts shall provide isolation of the retaining screw of the light from the casting materials.

Bidder Complies YES _____ NO _____

FLOOR MEMBERS: Floor structures shall be 6105-T6 aluminum, 2.000 by 2.500-inch proprietary hollow section architectural box tubing aluminum. This proprietary shape tubing allows for half-inch plate to be recess to which floor mounted items can be securely connected. Each member shall have a defined bevel built into the extrusion die to allow for full weld penetration on the edge of the extrusions.

Bidder Complies YES _____ NO _____

FLOOR HORIZONTAL GUSSET PLATES: The floor member to side wall fully welded horizontal gusset system shall be made of 5052-H32 aluminum plate, four (4) by four (4) inch triangles. A minimum of 12 gussets shall be located horizontally connecting cross members to longitudinal main center members at each main cross member site.

Bidder Complies YES _____ NO _____

FULL WIDTH CROSS MEMBERS: The module floor shall provide core support for the side assemblies and shall incorporate a minimum of four (4) full body width floor members. The full width floor members shall connect to and support the side wall assemblies. Each member shall be made of 6105-T6 aluminum. The front floor tube is to be a minimum of 3.000 x 2.000 x .250 inch-thick 6105-T6 aluminum tube which is fully MIG welded into the front corner post at each side of the vehicle. On top of the tube is to be a minimum .188 thick 5052 aluminum front sill running full width of the body. One of the members located just forward and/or rear of the rear wheel housing shall be 2.000 by 2.500-inch proprietary hollow section architectural box tubing. The last floor cross-member shall be a 2.375 x 3.188 6105-T6 aluminum proprietary shape proof tube on the rear wall which is fully MIG welded into the rear corner posts at each side of the vehicle. This tube is butted up and welded to a 2.000 x 1.000 x .125 inch-thick 6105-T6 tube which is also fully MIG welded to the rear corner post. A minimum of eight (8) total 6-inch vertical gussets, (1/4) inch thick will be installed to reinforce two (2) at each cross member and sidewall tubes directly fore and aft of the axle.

Bidder Complies YES _____ NO _____

FLOOR SYSTEM CANTILEVER BEAMS: There shall be cantilever floor beams used at intermittent body points running from the opposite main interior wall beam to the opposite exterior wall at the location between exterior compartments. The use of cantilever beams increases the strength of the overall floor system and support to the compartments.

Bidder Complies YES _____ NO _____

WHEELWELLS: There shall be formed wheel well housings installed into the module body to provide sufficient clearance for the rear axle movement based on the chassis jounce study and suspension choice selected. The wheel well shall be formed of smooth aluminum and secured to the floor tube structure system. The wheel well shape shall be multi-angular with vertical riser and flat top to provide the most efficient use of space inside of the module, while providing the required jounce clearance underneath for the chassis tire movement. Wheel wells that are radius shaped are not acceptable to this agency, as they are unnecessarily tall and inefficient in space usage.

Bidder Complies YES _____ NO _____

WATERTIGHT PATIENT CABIN: The sub floor shall be shielded from moisture. An aluminum sub sheet shall be sealed to the floor structure with silicone sealant. Additional aluminum plates shall be intermittent welded between compartments, wheel well liners, step wells and fuel filler housings. All of the areas shall be thoroughly sealed from one to the other, creating a sealed patient cabin from the outside. Extrusion hollows shall be filled with expandable foam sealant to prevent fumes and moisture from entering.

Bidder Complies YES _____ NO _____

DOOR CONSTRUCTION

DOOR SKIN: No welded seams are allowed, only one piece formed corners. The door skin shall be .090 inch-thick, 5052-H32 aluminum sheet formed on all four sides utilizing an ACF Multi-flex Corner Former Model MF 25 to create a crevice free surface for best paint adhesion and corrosion resistance. The formed edges shall not have elongation cracks due to forming and shall maintain material thickness uniformly over the entire sheet. The formed edges uniformly round off seamless for better paint adhesion and aesthetic appeal that does not require cutting and welding in the corners.

Bidder Complies YES _____ NO _____

DOOR FRAMING: The door frame shall reinforce the perimeter of the skin pan. The extrusion shall incorporate a T-slot to receive an extruded, hollow, dual durometer closed cell UV protected TPV gaskets with relief holes for even compression for a proper and complete seal from the door to the door jamb. The gasket corners shall be welded without using adhesives for bonding. The door frame extrusion shall also add torsion resistance to the door assembly. The door jamb extrusion and frame extrusion shall be cut 45 degree on each corner. Each of the four corners shall incorporate a keyway and spline that is designed to drive into each corner and maintain a perfect 90-degree angle prior to welding. The door castings shall include gusset plates for additional support for the door construction. The door frame shall also incorporate a clearance way for UNF threaded blind fasteners for the door panels. The door panel shall not rest on the body of the blind fasteners.

Bidder Complies YES _____ NO _____

FINAL DOOR ASSEMBLY: The door skin shall be bonded to the frame assembly with an adhesive sealant in addition to intermittent welding. For entry doors, additional horizontal structure shall be added to maintain door skin flatness as well as penetration resistance in the event of a collision. The horizontal members are extruded J-channel, 0.150 inch-thick. A minimum of two horizontal members shall be welded in. A vertically oriented 0.150-inch-thick formed hat-channel shall be welded to the webs of both horizontal channels for additional buckling resistance. Compartment doors shall have a reinforcement system of horizontal or horizontal/vertical structure added to maintain skin flatness and impact resistance.

ENTRY DOOR WINDOW(S) OPENINGS: The entry door(s) shall incorporate recessed areas that are stamped into the outer door skin to allow for a flush window appearance and shall not protrude with a lip on the outer door skin of the modular body.

DOOR PANELS: The inside entry door panels shall be made of .080-inch-thick aluminum plate and shall be finished per these specifications later in this document. The center panel shall be removable for easy lock service/lubrication. The inside of the compartment door panels shall be made of .080-inch-thick polished aluminum diamond plate. The edges of the door panel shall be recessed into the door frame extrusion. The panels shall be fastened to the door frame with stainless steel, #10-32 UNF machine screws threaded into aircraft quality blind fasteners. Each fastener shall have an internal tooth lock washer to preclude loosening.

Bidder Complies YES _____ NO _____

DOOR JAMB: The door jamb shall accommodate rigid fastening of compartment door hinges. The jamb shall include a hollow cell that shall conceal wiring for the non-mechanical door switch. The door jamb frame shall

be cut 45 degree on each corner from the door edge corner, each of the four corners shall consist of a keyway and spline that is designed to drive into each corner and maintain a perfect 90-degree angle prior to welding. Additionally, the jamb shall be continuously MIG welded on the inside and the outside corners. A seamless door jamb exterior is required to minimize corrosion - extruded type door jambs do not meet this specification. The skin shall completely conceal the doorjamb from view. "No Exterior Door Extrusions Allowed".

Bidder Complies YES _____ NO _____

HINGE: All doors shall have stainless steel, continuous, piano hinge. The pin diameter shall be .250 and staked into place to prevent drifting out of the hinge leaf. The knuckle lengths shall be one inch.

DOOR HINGE BOLTS: The hinge attachment bolts shall be one quarter inch diameter by one-inch-long stainless-steel type TT (Thread Rolling Screws) hex head bolts with SermaGard protective coatings. Each bolt shall be treated with the aluminum filled basecoat/resin-bonded fluoropolymer topcoat system. The SermaGard 1105/1280 protective coated bolt system is designed to provide outstanding salt and dissimilar metal corrosion protection versus bolts treated with pastes and liquids. The SermaGard coating provides UV weathering resistance while protecting the aluminum tube structures and stainless-steel hinges from dissimilar metal contacts. The SermaGard provides a sacrificial corrosion protection. Body manufacturers that do not use bolts treated with SermaGard 1105/1280 are providing substandard protection from corrosion and are not acceptable. Thread cutting screws to attach exterior compartment doors or hinges to the body are not acceptable.

Bidder Complies YES _____ NO _____

LATCHES: The latches shall meet FMVSS 206. All latches shall be two-stage, rotary- type. The latches shall be through bolted to the door frame extrusion. All entry doors shall have two rotary latches per door. To assure uniform latch timing and functional door reliability, only straight, one-quarter (1/4) inch diameter rods shall connect the latches to the handle. All double hung compartment doors shall have two rotary latches per door.

Bidder Complies YES _____ NO _____

NADER PINS: All Nader pins shall be headed to prevent the door(s) from opening under impact. They shall be hex headed Grade-8 fully adjustable with a 5/16" thick knurled stainless-steel retainer plate to keep the Nader pin from moving out of setting after adjusted. The opening in the door jamb extrusion shall be large enough to allow full adjustment with the Nader pin washer covering the hole. Manufacturers that use Nader pins without knurled retainers are not acceptable to this agency as they will require more frequent readjustment.

Bidder Complies YES _____ NO _____

MOUNTING SYSTEM: The outside dimension, across the frame rails on this chassis is thirty-four (34) inches. Twelve (12), one quarter (1/4) inch thick steel out riggers, designed specifically to through bolt to the frame rail web, shall be supplied and installed. Each out rigger shall be through bolted to the frame utilizing three (3), five eighths (5/8) inch diameter, UNC, grade eight, Flanged Hex head bolts and corresponding grade eight, flanged, locking hex nut.

Bidder Complies YES _____ NO _____

MOUNTING SYSTEM: Each out rigger shall incorporate a dual silicone vibration isolator system and support for the body's mounting sill. The system shall consist of a top locking nut, the one-inch aluminum flat bar, an

upper stainless-steel bushing, a pre-loaded silicone upper vibration isolator, the steel outrigger, then a lower pre-loaded silicone isolator, a stainless lower washer and finally the bolt head that passes through the assembly. The flanged outer edge outriggers shall not protrude more than four (4) and three-eighths (3/8) inches measuring from the frame's web to the outer tip of the out-rigger deck. All mounting sills shall be made of one inch thick by three-inch-wide solid aluminum flat bar. A grade eight half-inch diameter by four-inch-long hex-head bolt shall be used to bolt the sill down at each isolator site. The lower silicone isolator shall be 22% less in firmness than the upper isolator to provide a dynamic separation of road vibration from the chassis frame into the modular body. Body mounting systems using only a single mounting isolator shall not be acceptable as they provide inferior mounting vibration.

Bidder Complies YES _____ NO _____

MODULE CONFIGURATION

OVERALL LENGTH: The overall length of the vehicle shall not exceed twenty-four feet, five inches (293 inches) per current revision of Federal Specification KKK-A-1822. The departure angle shall meet or exceed current revision of Federal Specification KKK-A-1822.

Bidder Complies YES _____ NO _____

MODULE LENGTH: The module length shall be at least one hundred fifty-seven inches.

Bidder Complies YES _____ NO _____

MODULE WIDTH: The module width shall comply with current revision of Federal Specification KKK-A-1822. The module shall be ninety-six inches wide, excluding lights and accessories.

Bidder Complies YES _____ NO _____

MODULE HEAD ROOM: The module shall not be less than seventy-two inches actual measured headroom. The measurement shall be taken from the patient compartment floor to the ceiling panels.

Bidder Complies YES _____ NO _____

MODULE EXTERIOR HINGES: There shall be installed stainless steel hinges with standard mill finish for all exterior compartments and entry doors on the module. These hinges shall feature slots for mounting and adjustment of the doors. The finished module paint and special mounting bolts with Serpa coatings shall assist in deterring the stainless-steel hinges from dissimilar metal corrosion.

Bidder Complies YES _____ NO _____

DOOR CHECK: The compartment door(s) in excess of 13" pass through width shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES _____ NO _____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES _____ NO _____

COMPARTMENT CONSTRUCTION

MATERIALS: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate. All compartment floors shall be formed of .125 aluminum sheet. Compartments for generators, oxygen, and backboards will have .250 compartment floors. All compartment ceilings shall be formed of .090 aluminum sheet. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floor and ceiling surfaces shall be double action (DA) sanded to 180 grit. The floors and ceilings are bonded to the walls and back and intermittent welded on six (6) inch centers.

Bidder Complies YES _____ NO _____

DRAIN HOLES: Drain holes shall be provided on the bottom of the compartments. Each hole shall be baffled to prevent splash water from entering the compartment.

Bidder Complies YES _____ NO _____

Sides and Back: .100 Polished Aluminum Diamond Plate
Compartment Ceiling: .090 Aluminum Sheet

COMPARTMENT FLOOR CONFIGURATION: This compartment floor shall be a sweep out type floor. The compartment floor shall be flush with the lower door jamb to facilitate compartment floor cleaning. The edge of the compartment floor shall be continuously welded to the lower door jamb. Heat generated from welding shall not distort the straightness or flatness of the jamb or compartment floor. The weld quality must be aesthetically uniform.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR THICNESS: The compartment floor shall be .125-inch-thick aluminum of single layer.

Bidder Complies YES _____ NO _____

VENTILATION: There shall be a hole in the compartment below floor line approximately 5-3/8" wide x 2-9/32" tall that will accept a specially designed baffled vent. The baffles shall have a stainless-steel spring that allow for only one way operation. They allow air to escape out of the compartment when the door is closed, but not for air to come back into the compartment to keep dirt and dust out of the compartment interior. Engineering shall determine the amount of these vents required by the volume of space in the compartment.

Bidder Complies YES _____ NO _____

CURB SIDE ACCESS DOOR: The curbside access door shall be at least 78.8" high by 31" wide measured at the door jamb opening.

JAMB PROTECTION: At the curbside module entry door, a full width, formed, stainless steel jamb protection plate shall be provided to prevent heavy traffic from chipping the paint.

Bidder Complies YES _____ NO _____

DOOR CHECK: The curbside entry door shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES _____ NO _____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES _____ NO _____

CURB SIDE ACCESS DOOR LOCATION: The module side entry door shall be located on the curbside of the module, just rearward of the ALS cabinet to provide efficient egress into the module.

Bidder Complies YES _____ NO _____

STEP WELL: A curbside entry door shall feature a double step "step well" to assist in patient cabin egress. The step shall have a tread dimension of not less than 10 inches. The riser dimension shall not exceed nine and one-half inches, measured from the step tread to the floor of the patient cabin. The upper step shall be reduced in overall width to the space available to create a pocket on the rearward side. There shall be installed a retention system for storage of portable oxygen bottles. A right-angled trim, made of bright aluminum diamond plate, shall be formed over the flooring material, and wrap around the 3-sided perimeter of the step well. Step well material shall be 0.100 thick, Polished aluminum diamond plate. The step well shall be illuminated. The stepwell shall meet or exceed the current revision of Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

STEP WELL ILLUMINATION: A 3" LED clear interior light shall illuminate the curbside step well per the current revision of Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

TALK THROUGH CAB TO MODULE WINDOW: A 14" inch high by 19"-inch-wide access from the module to the cab shall be provided. Sliding polycarbonate doors shall close off the access window. The cab shall NOT be rigidly fastened to the modular body. A flexible, Accordion shaped, closed cell rubber bellows, custom made for the opening shall be provided to tie the cab to the module. One joint in the bellows is acceptable and shall be located on the bottom of the opening. The joint shall be completely vulcanized. The window provided shall meet or exceed current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

BODY DROP: The skirt line of the modular body ahead of the rear wheels shall be 6" lower than behind the

rear wheels on both the curb side and the street side. This will allow the curbside entry step and the exterior oxygen compartment to be lower to ground level making it easier to enter the curbside entry door and load the oxygen tank.

Bidder Complies YES _____ NO _____

LEFT FRONT COMPARTMENT (M-1): This compartment shall be located in the left front corner of the modular body. The minimum compartment dimensions shall be 61 1/2" high x 18 19/32" wide x 20.0" deep.

Bidder Complies YES _____ NO _____

M-1 COMPARTMENT CONSTRUCTION

MATERIALS: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate. All compartment floors shall be formed of .125 aluminum sheet. Compartments for generators, oxygen, and backboards will have .250 compartment floors. All compartment ceilings shall be formed of .090 aluminum sheet. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floor and ceiling surfaces shall be double action (DA) sanded to 180 grit. The floors and ceilings are bonded to the walls and back and intermittent welded on six (6) inch centers.

Bidder Complies YES _____ NO _____

DRAIN HOLES: Drain holes shall be provided on the bottom of the compartments. Each hole shall be baffled to prevent splash water from entering the compartment.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR PANEL: The inside door panel of this compartment shall be diamond plate.

Bidder Complies YES _____ NO _____

COMPARTMENT FINISH: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate.

Bidder Complies YES _____ NO _____

VENTILATION: There shall be three sets of six louver punches on the outside and inside door panel to properly ventilate the electrical components located in the above-mentioned compartment.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR CONFIGURATION: This compartment floor shall be a sweep out type floor. The compartment floor shall be flush with the lower door jamb to facilitate compartment floor cleaning. The edge of the compartment floor shall be continuously welded to the lower door jamb. Heat generated from welding shall not distort the straightness or flatness of the jamb or compartment floor. The weld quality must be aesthetically uniform.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR THICKNESS: The compartment floor shall be .125-inch-thick aluminum of single layer.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR: A single, forward hinged, compartment door shall be set for this compartment. The door shall have a single handle and two rotary latches.

Bidder Complies YES _____ NO _____

DOOR CHECK: The compartment door(s) in excess of 13" pass through width shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES _____ NO _____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES _____ NO _____

VERTICAL DIVIDER: Located in the "M1" compartment shall be semi-rigid fixed divider shall be formed of 5052-H32 aluminum sheet. The divider shall be full height of the compartment by fourteen inches (14") deep: measured from the back of the compartment. The exposed edge shall be covered with automotive edge trim.

Bidder Complies YES _____ NO _____

RETAINER STRAP: There shall be one, two-inch-wide webbed strap shall be supplied in the aforementioned compartment. The strap shall be designed and positioned to prevent backboards and other related items, that may have shifted against the door during transit, from falling out of the compartment when the door is opened. The strap shall employ a metal buckle system with a push button release. The strap be fastened to the compartment walls with a two-inch footman's loop. Plastic "Luggage" type buckles and smaller webbing size is not acceptable. Attachment screws shall not pierce the strap webbing.

Bidder Complies YES _____ NO _____

This strap is to secure things from moving while the vehicle is in motion and is not designed to be a crash stable securing device.

COMPARTMENT LIGHT: One (1) TecNiq Brand 12V LED light, Model E44 54" long, shall be mounted in the compartment, per customer specified location.

Bidder Complies YES _____ NO _____

LEFT FRONT UPPER COMPARTMENT (M-1A): This compartment shall be located in the left front corner of the modular body. The minimum compartment dimensions shall be 17 1/2" high x 18.19/32" wide x 20.0"

deep. This compartment will be used for electrical components to the ambulance, such as GFI, Inverter, Suction Pump, etc.

Bidder Complies YES _____ NO _____

M-1A COMPARTMENT CONSTRUCTION

MATERIALS: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate. All compartment floors shall be formed of .125 aluminum sheet. Compartments for generators, oxygen, and backboards will have .250 compartment floors. All compartment ceilings shall be formed of .090 aluminum sheet. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floor and ceiling surfaces shall be double action (DA) sanded to 180 grit. The floors and ceilings are bonded to the walls and back and intermittent welded on six (6) inch centers.

Bidder Complies YES _____ NO _____

DRAIN HOLES: Drain holes shall be provided on the bottom of the compartments. Each hole shall be baffled to prevent splash water from entering the compartment.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR PANEL: The inside door panel of this compartment shall be diamond plate.

Bidder Complies YES _____ NO _____

COMPARTMENT FINISH: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate.

Bidder Complies YES _____ NO _____

VENTILATION: The M-1A compartment shall have special ventilation of a conversion hot power twelve-volt fan and one row of punched half-moon louvers on the compartment door.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR CONFIGURATION: This compartment floor shall be a sweep out type floor. The compartment floor shall be flush with the lower door jamb to facilitate compartment floor cleaning. The edge of the compartment floor shall be continuously welded to the lower door jamb. Heat generated from welding shall not distort the straightness or flatness of the jamb or compartment floor. The weld quality must be aesthetically uniform.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR THICNESS: The compartment floor shall be .125-inch-thick aluminum of single layer.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR: A single, forward hinged, compartment door shall be set for this compartment. The door shall have a single handle and one rotary latch.

Bidder Complies YES _____ NO _____

DOOR CHECK: The compartment door(s) in excess of 13" pass through width shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES _____ NO _____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES _____ NO _____

COMPARTMENT LIGHT: (1) One light shall be mounted in the ceiling of the "M-1A" compartment. The light shall be surface mount and shall be LED.

Bidder Complies YES _____ NO _____

LEFT FRONT MIDDLE COMPARTMENT (M-2): This compartment is located adjacent and rearward to the left front compartment. The minimum compartment dimensions shall be 34 1/2" High x 30 1/2" Wide x 20" Deep.

Bidder Complies YES _____ NO _____

M-2 COMPARTMENT CONSTRUCTION

MATERIALS: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate. All compartment floors shall be formed of .125 aluminum sheet. Compartments for generators, oxygen, and backboards will have .250 compartment floors. All compartment ceilings shall be formed of .090 aluminum sheet. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floor and ceiling surfaces shall be double action (DA) sanded to 180 grit. The floors and ceilings are bonded to the walls and back and intermittent welded on six (6) inch centers.

Bidder Complies YES _____ NO _____

DRAIN HOLES: Drain holes shall be provided on the bottom of the compartments. Each hole shall be baffled to prevent splash water from entering the compartment.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR PANEL: The inside door panel of this compartment shall be diamond plate.

Bidder Complies YES _____ NO _____

COMPARTMENT FINISH: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR CONFIGURATION: This compartment floor shall be a sweep out type floor. The compartment floor shall be flush with the lower door jamb to facilitate compartment floor cleaning. The edge of the compartment floor shall be continuously welded to the lower door jamb. Heat generated from welding shall not distort the straightness or flatness of the jamb or compartment floor. The weld quality must be aesthetically uniform.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR THICKNESS: The compartment floor shall be .125-inch-thick aluminum of single layer.

Bidder Complies YES _____ NO _____

ELECTRICAL COMPARTMENT: The electrical main area has been relocated to interior access only cabinet H.

COMPARTMENT DOOR: A single, forward hinged, compartment door shall be set for this compartment. The door shall have a single handle and one rotary latch.

Bidder Complies YES _____ NO _____

DOOR CHECK: The compartment door(s) in excess of 13" pass through width shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES_____NO_____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES_____NO_____

VERTICAL DIVIDER: Located in the "M_" compartment shall be semi-rigid fixed divider shall be formed of 5052-H32 aluminum sheet. The divider shall be full height of the compartment by fourteen inches (14") deep: measured from the back of the compartment. The exposed edge shall be covered with automotive edge trim.

Bidder Complies YES_____NO_____

COMPARTMENT LIGHT: One (1) TecNiq Brand 12V LED light, Model E44 31.5" long, shall be mounted in the compartment, per customer specified location.

Bidder Complies YES_____NO_____

COMPARTMENT LIGHT: One (1) TecNiq Brand 12V LED light, Model E44 31.5" long, shall be mounted in the compartment, per customer specified location.

Bidder Complies YES_____NO_____

AUXILIARY CONDENSER: The module A/C system shall employ a separate condenser for the rear HVAC system. The condenser shall be through bolted to a reinforced compartment floor and mounted under the module. This condenser shall provide 70,000 BTU cooling with 1,680 cubic feet per minute of clear air movement through the fans. Two electric cooling fans shall be mounted to the core assembly and blow toward the road or open air. The condenser fans shall come on when either the cab or the patient cabin A/C unit is turned on. Fan blades shall be protected by a high impact resistant grille work that is molded into the fan body. All fan wiring shall be routed, secured, and protected from road hazards.

Bidder Complies YES_____NO_____

CONDENSOR BRACKETS: There shall be a set of Air Conditioning Condenser Brackets located under the modular body behind the step well area and angled downward.

CONDUIT No 1: An empty one- and one-half inch diameter conduit expressly designed to add wires after vehicle delivery by the end user or his/her authorized agent shall be supplied and installed. The conduit shall be semi-rigid, non-conductive liner that is free of inside ridges that can bind on the wire harness being pulled through the conduit. The outer jacket shall be a non-conductive, spiraled rigid coil designed to maintain the original shape of the liner, throughout the length of the conduit run.

Bidder Complies YES_____NO_____

ORIGINATION POINT: The aforementioned conduit shall originate in the left front middle (M-2), exterior compartment.

TERMINATION POINT: The aforementioned conduit shall terminate in the patient cabin behind the main action area control panel.

Bidder Complies YES_____NO_____

LEFT REAR COMPARTMENT (M-3): This compartment shall be located in the left rear corner of the body. The minimum compartment dimensions shall be 61 1/2" High x 28" Wide x 20" Deep.

Bidder Complies YES_____NO_____

M-3 COMPARTMENT CONSTRUCTION

MATERIALS: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate. All compartment floors shall be formed of .125 aluminum sheet. Compartments for generators, oxygen, and backboards will have .250 compartment floors. All compartment ceilings shall be formed of .090 aluminum sheet. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floor and ceiling surfaces shall be double action (DA) sanded to 180 grit. The floors and ceilings are bonded to the walls and back and intermittent welded on six (6) inch centers.

Bidder Complies YES_____NO_____

DRAIN HOLES: Drain holes shall be provided on the bottom of the compartments. Each hole shall be baffled to prevent splash water from entering the compartment.

Bidder Complies YES_____NO_____

COMPARTMENT DOOR PANEL: The inside door panel of this compartment shall be diamond plate.

Bidder Complies YES_____NO_____

COMPARTMENT FINISH: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate.

Bidder Complies YES_____NO_____

COMPARTMENT FLOOR CONFIGURATION: This compartment floor shall be a sweep out type floor. The compartment floor shall be flush with the lower door jamb to facilitate compartment floor cleaning. The edge of the compartment floor shall be continuously welded to the lower door jamb. Heat generated from welding shall not distort the straightness or flatness of the jamb or compartment floor. The weld quality must be aesthetically uniform.

Bidder Complies YES_____NO_____

COMPARTMENT FLOOR THICKNESS: The compartment floor shall be .125-inch-thick aluminum of single layer.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR: A single, forward hinged, compartment door shall be set for this compartment. The door shall have a single handle and two rotary latches.

Bidder Complies YES _____ NO _____

DOOR CHECK: The compartment door(s) in excess of 13" pass through width shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES _____ NO _____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES _____ NO _____

ADJUSTABLE SHELF: A standard duty aluminum adjustable shelf shall be provided. The shelf shall be formed of .125 (1/8") thick aluminum, with 2 inch upward turned lips on all four sides. The shelf shall be mounted on Unistrut tracking, infinitely adjustable, aluminum extruded, heavy duty shelf track. Incrementally adjustable, non-aluminum shelf track is not acceptable.

Bidder Complies YES _____ NO _____

SHELF BRACKET: Each above exterior adjustable shelf shall include four (4) self-gusseted .157" thick shelf brackets that will allow for easy adjustment up and down for each shelf. Each bracket shall be secured to the shelf by carriage head bolts on the top of the shelf and hex head bolts to secure them to the shelf tracking material in the compartments. This will guard against shelf deformation in the compartments when the shelves are secured in place.

Bidder Complies YES _____ NO _____

COMPARTMENT LIGHT: One (1) TecNiq Brand 12V LED light, Model E44 54" long, shall be mounted in the compartment, per customer specified location.

Bidder Complies YES _____ NO _____

RIGHT REAR COMPARTMENT (M-5): This compartment shall be located in the right rear corner of the body. The minimum compartment dimensions shall be 82.812" High x 25.625" Wide x 21.0" Deep.

Bidder Complies YES _____ NO _____

M-5 COMPARTMENT CONSTRUCTION

MATERIALS: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate. All compartment floors shall be formed of .125 aluminum sheet. Compartments for generators, oxygen, and backboards will have .250 compartment floors. All compartment ceilings shall be formed of .090 aluminum sheet. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floor and ceiling surfaces shall be double action (DA) sanded to 180 grit. The floors and ceilings are bonded to the walls and back and intermittent welded on six (6) inch centers.

Bidder Complies YES _____ NO _____

DRAIN HOLES: Drain holes shall be provided on the bottom of the compartments. Each hole shall be baffled to prevent splash water from entering the compartment.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR PANEL: The inside door panel of this compartment shall be diamond plate.

Bidder Complies YES _____ NO _____

COMPARTMENT FINISH: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate.

Bidder Complies YES _____ NO _____

CEILING VENTILATION: Specified compartments shall have a hat channel at the ceiling level. The hat channel shall run to no closer than 1" from the compartment side walls to allow for air exchange. Hidden from view, shall be two to three, (4") holes above the hat channel to exhaust the compartment air when the door is closed to allow it to close with minimal effort.

Bidder Complies YES _____ NO _____

VENTILATION: There shall be three sets of six louver punches on the outside and inside door panel to properly ventilate the electrical components located in the above-mentioned compartment.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR CONFIGURATION: This compartment floor shall be a sweep out type floor. The compartment floor shall be flush with the lower door jamb to facilitate compartment floor cleaning. The edge of the compartment floor shall be continuously welded to the lower door jamb. Heat generated from welding shall not distort the straightness or flatness of the jamb or compartment floor. The weld quality must be aesthetically uniform.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR THICKNESS: The compartment floor shall be .125-inch-thick aluminum of single layer.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR: A single, forward hinged, compartment door shall be set for this compartment. The door shall have a single handle and two rotary latches.

Bidder Complies YES _____ NO _____

DOOR CHECK: The compartment door(s) in excess of 13" pass through width shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES _____ NO _____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES _____ NO _____

FIXED DIVIDERS: One semi-rigid fixed dividers shall be formed of 5052-H34 aluminum sheet. The divider shall be sixty inches (60") high by fourteen inches (14") deep: measured from the track: and have a two-inch return flange formed along the sixty-inch edge for mounting. All corners on the divider and shelf shall be rounded or chamfered. One fixed, horizontally oriented shelf shall be formed of 5052-H34 aluminum sheet. The shelf shall be fastened to the right wall of the compartment and to the divider. The shelf shall be eight inches (8") wide by fourteen inches (14") deep. The shelf shall not have a lip and shall be positioned 42" from the compartment floor. The exposed edges of the divider and shelf shall be covered with automotive edge trim. Two full width, horizontally oriented, Unistrut C-channel tracks shall be fastened to the back wall of the aforementioned compartment. Bottom of shelf to be 42" from the compartment floor.

Bidder Complies YES _____ NO _____

DIVIDER MATERIAL: The aforementioned divider(s) shall be made of 0.125 thick 5052-H32 aluminum sheet.

Bidder Complies YES _____ NO _____

RETAINER STRAP: One two-inch-wide webbed restraint strap shall be supplied in the compartment. The strap shall employ a metal buckle system with a push button release. The strap is to be fastened to the compartment walls with a two-inch footman's loop. The fastener is not to be fastened through the webbing material.

Bidder Complies YES _____ NO _____

RETAINER STRAP: One two-inch-wide webbed restraint strap shall be supplied in the compartment. The strap shall employ a metal buckle system with a push button release. The strap is to be fastened to the

compartment walls with a two-inch footman's loop. The fastener is not to be fastened through the webbing material.

Bidder Complies YES_____NO_____

COMPARTMENT LIGHT: One (1) TecNiq Brand 12V LED light, Model E44 72" long, shall be mounted in the compartment, per customer specified location.

Bidder Complies YES_____NO_____

RIGHT REAR FORWARD COMPARTMENT (M-6): This compartment shall be located just forward of the right rear compartment aft of the rear wheel opening. The minimum compartment dimensions shall be 20.2" High x 24.5" Wide x 20" Deep.

Bidder Complies YES_____NO_____

M-6 COMPARTMENT CONSTRUCTION

MATERIALS: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate. All compartment floors shall be formed of .125 aluminum sheet. Compartments for generators, oxygen, and backboards will have .250 compartment floors. All compartment ceilings shall be formed of .090 aluminum sheet. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floor and ceiling surfaces shall be double action (DA) sanded to 180 grit. The floors and ceilings are bonded to the walls and back and intermittent welded on six (6) inch centers.

Bidder Complies YES_____NO_____

DRAIN HOLES: Drain holes shall be provided on the bottom of the compartments. Each hole shall be baffled to prevent splash water from entering the compartment.

Bidder Complies YES_____NO_____

Sides and Back: .100 Polished Aluminum Diamond Plate
Compartment Ceiling: .090 Aluminum Sheet

COMPARTMENT DOOR PANEL: The inside door panel of this compartment shall be diamond plate.

Bidder Complies YES_____NO_____

COMPARTMENT FINISH: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate.

Bidder Complies YES_____NO_____

COMPARTMENT FLOOR CONFIGURATION: This compartment floor shall be a sweep out type floor. The compartment floor shall be flush with the lower door jamb to facilitate compartment floor cleaning. The edge of the compartment floor shall be continuously welded to the lower door jamb. Heat generated from welding

shall not distort the straightness or flatness of the jamb or compartment floor. The weld quality must be aesthetically uniform.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR THICNESS: The compartment floor shall be .125-inch-thick aluminum of single layer.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR: A single, forward hinged, compartment door shall be set for this compartment. The door shall have a single handle and one rotary latch.

Bidder Complies YES _____ NO _____

DOOR CHECK: The compartment door(s) in excess of 13" pass through width shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES _____ NO _____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES _____ NO _____

COMPARTMENT LIGHT: (1) One light shall be mounted in the ceiling of the "M-6" compartment. The light shall be surface mount and shall be LED.

Bidder Complies YES _____ NO _____

RIGHT FRONT COMPARTMENT (M-7): This compartment shall be located in the right front corner of the module body. The minimum compartment dimensions shall be 67 1/2" High by 14 5/16" Wide. The compartment door shall provide direct outside access into the right front advanced life support equipment storage area.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR: A single, forward hinged, compartment door shall be set for this compartment. The door shall have a single handle and two rotary latches.

Bidder Complies YES _____ NO _____

DOOR CHECK: The compartment door(s) in excess of 13" pass through width shall be equipped with a door check (hold open) device. All vertically hinged doors in excess of 13" pass through width shall have a gas operated bi-directional spring shock door check. Door check brackets shall be drilled and tapped through a minimum of 3/8" material to preclude coming loose.

Bidder Complies YES _____ NO _____

DOOR SWING: The compartment door checks shall be installed to allow the door to open one hundred ten to one hundred twenty degrees (110-120) from the fully closed position.

Bidder Complies YES _____ NO _____

RIGHT FRONT BATTERY DRAWER (M-8): This drawer shall be located in the lower right front corner of the module body. The Aluminum drawer shall accommodate up to two group 31 series batteries.

Bidder Complies YES _____ NO _____

M-8 COMPARTMENT CONSTRUCTION

MATERIALS: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate. All compartment floors shall be formed of .125 aluminum sheet. Compartments for generators, oxygen, and backboards will have .250 compartment floors. All compartment ceilings shall be formed of .090 aluminum sheet. The ceilings and floors shall form around the sides and back to provide an overlapping joint. The floor and ceiling surfaces shall be double action (DA) sanded to 180 grit. The floors and ceilings are bonded to the walls and back and intermittent welded on six (6) inch centers.

Bidder Complies YES _____ NO _____

DRAIN HOLES: Drain holes shall be provided on the bottom of the compartments. Each hole shall be baffled to prevent splash water from entering the compartment.

Bidder Complies YES _____ NO _____

COMPARTMENT DOOR PANEL: The inside door panel of this compartment shall be diamond plate.

Bidder Complies YES _____ NO _____

COMPARTMENT FINISH: Unless specified otherwise, all exterior compartment walls and backs shall be constructed of .100 polished aluminum diamond plate.

Bidder Complies YES _____ NO _____

COMPARTMENT DRAWER FRONT (M-8): A single non-hinged compartment door shall be bolted to the rollout tray. The door construction shall utilize the same construction techniques and materials that are used for the other hinged doors found on the unit body compartments. This front shall have two striker pins, one on each end of the door. The tray front shall support the door squarely with the jamb. The door shall roll out with the tray as a drawer front configuration.

Bidder Complies YES_____NO_____

REAR ACCESS DOORS: The rear of the module shall be equipped with double, hinged patient compartment access doors. The doors shall be centered on the body and align with the patient compartment aisle space. The doors shall measure 46 3/4 inches wide by 60 5/8" high, jamb to jamb.

Bidder Complies YES_____NO_____

REAR ACCESS DOOR JAMB: At the rear access doors, a full width, formed, stainless steel jamb protection plate shall be provided to prevent the cot frames from chipping the paint. The stainless-steel protection package shall start from under the kick plate and follow the contour of the jamb extrusion, cover the end of the sub-floor, and cover the last four inches of the vinyl floor covering.

Bidder Complies YES_____NO_____

MODULE ENTRY DOOR INSULATION: Module entry doors shall have 0.1875-inch-thick mass loaded acoustical ethylene vinyl acetate material attached to the inside surface of the exterior skin to provide a noise reduction of 75%. There shall be 2-inch-thick moisture resistant hydrophobic, micro-porous, polymeric substance adhered to the ethylene vinyl acetate material to provide added DB absorption and a minimum R rating of 11. The insulation shall be fitted tightly against the structural members to maximize R-value effectively. Gap spacing round each cell within the structure grid and the block foam shall not exceed 1/16". A layer of 0.250-inch-thick foil encapsulated micro-cellular closed-cell polyethylene with an R rating of 7.75. There shall be a minimum air gap of 0.5 inch between the inner most foil surface and the doors interior surface materials. Insulation shall not interfere with door latch hardware. The total R value of the module entry doors must be greater than or equal to twelve.

Bidder Complies YES_____NO_____

MODULE ENTRY DOOR SOUND PROOFING: Module entry doors shall have 0.1875-inch-thick mass loaded acoustical ethylene vinyl acetate material attached to the inside surface of the exterior skin to provide a noise reduction of 75%.

Bidder Complies YES_____NO_____

DOOR JAMB SILL PROTECTION: On the compartments specified below, the paint on the bottom horizontal portion of the door jamb shall be protected by a twenty (20) gauge minimum stainless steel protection plate. This plate shall originate at the toe of the door jamb lip (where it mates against the skin), then forms around the lower flat surface, then forms up across the gasket mating surface and finally forms across the inner jamb surface and terminates where the compartment meets the jamb.

Bidder Complies YES_____NO_____

Left Front Compartment Bottom Door Jamb.

Bidder Complies YES _____ NO _____

Left Front Middle Compartment Bottom Door Jamb.

Bidder Complies YES _____ NO _____

Left Rear Compartment Bottom Door Jamb.

Bidder Complies YES _____ NO _____

Right Rear Compartment Bottom Door Jamb.

Bidder Complies YES _____ NO _____

Right Rear Forward Compartment Bottom Door Jamb.

Bidder Complies YES _____ NO _____

Right Front "ALS" Compartment Bottom Door Jamb.

Bidder Complies YES _____ NO _____

FUEL FILLER AND HOUSING: The filler neck supplied by the OEM shall be used. The filler neck shall be vented and be diameter indexed to accommodate a FUEL pump nozzle. The fuel filler neck shall be bolted to a cast aluminum fill housing. The filler housing shall be an open design with a bright polished mounting flange. The housing configuration and filler installation shall comply with the OEM Body Builders Layout Book. The fuel filler neck shall be grounded directly to the frame rail to prevent static electric charges from igniting the fuel vapors during refueling. The fuel filler cap shall be supplied by the OEM. The cap shall be attached to the filler housing with a lanyard. The filler cap shall incorporate an over-tighten protection device that ratchets when the preset cap torque is reached.

Bidder Complies YES _____ NO _____

UREA FILLER AND HOUSING: The filler neck shall be a Cast Products Inc. model FG5301-1. The filler neck shall be vented and be diameter indexed to accommodate the DEF nozzle. The fuel filler neck shall be bolted to the cast aluminum fill housing. The housing bezel shall be bright and polished. The housing configuration and filler installation shall comply with the OEM's Body Builders Layout Book. The filler cap shall be supplied by the OEM.

Bidder Complies YES _____ NO _____

BODY PROTECTION AND BRIGHT WORK

WIRE/HOSE COVER: The area between the back of the cab and the front of the module shall have a .100 aluminum diamond plate cover, attached to the frame rails, to protect any hoses and/ or wires routed in that location. The cover shall be mounted to close-off the area with a finished appearance.

Bidder Complies YES _____ NO _____

WIND DEFLECTOR: A short aluminum diamond plate wind deflector shall be installed directly above the pass thru cab connection. There shall be a small up turned lip on the backside of the part to assist in re-routing water runoff. The part shall have a gap between the outer edge and the module body.

Bidder Complies YES _____ NO _____

FRAMING: The rear step bumper shall exceed the current revision of KKK-A-1822. The bumper shall be framed in with 1/4 x 2 x 4 6063-T6 aluminum rectangular tubing. The bumper shall be through bolted directly to the chassis frame.

Bidder Complies YES _____ NO _____

OUTER PONTOONS: The outer bumper ends (pontoons) shall be covered in .100 polished aluminum aggressive diamond plate. The outer corners shall be chamfered and shall extend out past the body and line up with the lower body side skirt rails to create a continuous look. Each pontoon cover shall be through bolted to the bumper frame with stainless steel, pan-head, Phillips head, 1/4-20 bolts and Nylock nuts.

Bidder Complies YES _____ NO _____

DEPTH OF BUMPER: The rear bumper shall protrude from the rear surface of the module body to the rearward most metal surface by at least thirteen- and one-half inches (13 1/2") and not more than fourteen inches (14").

Bidder Complies YES _____ NO _____

CENTER STEP: A flip up step shall be provided to allow closer access to the patient cabin floor. The step shall be as wide as the rear access door jamb. The step shall be made of 2" x 9-1/2" aluminum bar gate commercially perforated aggressive traction. A stainless-steel piano hinge shall have a staked in, 1/4" diameter pin, one-inch knuckles and one Type-F 1/4" through bolt every four inches.

Bidder Complies YES _____ NO _____

DOCKING BUMPERS: The rear bumper shall be equipped with natural, black rubber dock bumpers. The bumpers shall measure 4 inches high by 18 inches long by 4 inches thick. The bumpers shall be through bolted to each pontoon with two (2) 3/8 diameter, grade 8 bolts. The bolts shall be counter bored into each dock bumper. Each mounting hole shall be reinforced with a counter bore diameter, thick flat washer. Each bolt shall be threaded into a spiral lock flanged nut or approved equal.

Bidder Complies YES _____ NO _____

FENDER: The rear fenders shall be made of extruded rubber. The rubber fender mounting lip shall be reinforced with a radius matched 0.125 aluminum strip to promote even compression pressure between the fasteners. The mounting fasteners shall be 100% nylon bolt with 100% nylon nuts shall hold the fender to the body. The fastener centers shall not exceed ten inches (10).

Bidder Complies YES_____NO_____

BODY CORNER POST PROTECTION: The lowest front twenty-four inches (24") of the corner post extrusions shall be protected against stones and road debris. The corner post guards shall be formed of .080 thick polished aluminum diamond plate, contour fit to the corner post extrusions and riveted into place. A bead of silver colored, silicone sealant shall be applied across the top edge of the guards. The bottom of edge of the guard shall be left unsealed to promote moisture drainage.

Bidder Complies YES_____NO_____

BODY CORNER POST PROTECTION: The lower rear twenty-four inches (24") of the corner post extrusions shall be protected against stones and road debris. The corner post guards shall be formed of .080 thick polished aluminum diamond plate, contour fit to the corner post extrusions and riveted into place. A bead of silver colored, silicone sealant shall be applied across the top edge of the guards. The bottom of edge of the guard shall be left unsealed to promote moisture drainage.

Bidder Complies YES_____NO_____

REAR KICK PLATE: The rear kick plate shall be made of 0.100-inch-thick Polished aluminum diamond plate and run from corner post to corner post. The height shall be tapered from the skirt-line of the body to the bottom door jamb under the rear access doors and then transition from under the rear doors to the same height as the rear corner guards on the corner post.

Bidder Complies YES_____NO_____

RECESSED TAG AREA: The kick plate shall feature a centered and illuminated recessed area to mount a standard U.S. six inch high by twelve-inch-wide license plate. The recessed area must be located as specified below and aesthetically TIG Welded around the perimeter of the opening. Threaded inserts and bolts to install the tag shall be installed and provided.

Bidder Complies YES_____NO_____

RECESSED TAG AREA LOCATION: The tag area shall be centered in the kick plate.

Bidder Complies YES_____NO_____

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

Bidder Complies YES_____NO_____

REAR STEP LIGHTS: There shall be two (2) LED lights, 8" in length recessed above the rear step hidden behind the kick-plate area, activated by the rear load light activation.

Bidder Complies YES _____ NO _____

FRONT OF BODY: The front of the body shall have skirt-line protection plates made of .080 aluminum diamond plate. The corner posts shall have form fit diamond plate protection height matched to the frontal plates. The height of the protection is twenty-four inches up from the body skirt line.

Bidder Complies YES _____ NO _____

SKIRT RAILS: The entire skirt-line of the body, forward and aft on the rear wheels shall have formed .188" diamond plate skirt rails to protect the body. Each skirt rail shall meet current Federal Specification KKK-A-1822. Each rail shall be chamfered 45 degrees at both ends. There shall also be a series of twelve (12) rectangular holes, six (6) each side. Six (6) of the holes shall face outward and six (6) shall angle downward. The side facing shall be for warning lights and the downward shall be for ground lighting. The rails shall be fastened through the bottom of the rail into the bottom of the modular body. The rails shall not cut into the paint. They shall be mounted through nylon isolators in such a manner that they are spaced off the body.

Bidder Complies YES _____ NO _____

MODULE SKIRT LIGHTING: There shall be installed LED lighting into the module skirt rail to provide additional perimeter warning on the lower section of the module sides. Lighting shall flash and be controlled through the conversion electrical system. Lighting colors shall be RED/RED and installed per the drawing.

Bidder Complies YES _____ NO _____

MODULE SKIRT LIGHTING: There shall be installed LED lighting into the module skirt rail to provide additional perimeter warning on the lower section of the module sides. Lighting shall flash and be controlled through the conversion electrical system. Lighting colors shall be RED/RED and installed per the drawing.

Bidder Complies YES _____ NO _____

MODULE SKIRT LIGHTING: There shall be installed LED lighting into the module skirt rail to provide additional perimeter warning on the lower section of the module sides. Lighting shall flash and be controlled through the conversion electrical system. Lighting colors shall be RED/RED and installed per the drawing.

Bidder Complies YES _____ NO _____

SKIRTRAIL LIGHT SWITCHING: The above-mentioned skirt rail LED lights shall be wired to activate by separate switch in cab console.

Bidder Complies YES _____ NO _____

MODULE SKIRT LIGHTING: There shall be installed Six twelve-inch long sealed White LED lighting heads into the module skirt rail to provide additional perimeter warning on the lower section of the module sides. Lighting shall be controlled through the conversion electrical system. Lighting colors shall be White and inserted into the 3 sections on each side of the module. The ground lights shall remain illuminated for 30 seconds after all doors are closed.

Bidder Complies YES _____ NO _____

LED GROUND SWITCHING: The above-mentioned LED Ground lights shall be wired to activate by separate switch in cab console and with any entry or compartment door. The underbody lights work off a switch in the console or with any entry or compartment door. Lights stay on for 30 seconds after all doors are closed.

Bidder Complies YES _____ NO _____

REAR ACCESS DOOR CHECKS: Rear access doors shall open at least 150 degrees. The door checks shall be 2-piece, heavy duty, cast aluminum, grabber type with gaskets. The door shall have a ½ round stock loop that plunges into a positive rubber/cast socket.

Bidder Complies YES _____ NO _____

RUNNING BOARDS: Running boards (An auxiliary step) shall be constructed of .100 embossed diamond plate with an aggressive traction insert and shall be installed on each side of the cab. There shall be an aggressive insert into the board design. The running boards shall not deflect when stepped on. Built in diamond plate mud flaps shall keep front tire induced road grime off the step.

Bidder Complies YES _____ NO _____

FRONT MUD FLAPS: Mud flaps shall be mounted to the front fenders just behind the front tires. The mud flaps shall be 1/4" thick natural rubber material. Each mud flap shall be sandwiched between the wheel well liner and a torque distribution plate. The torque distribution plate shall be at least .100 thick aluminum plate. Each mud flap shall be through bolted to the fender with at least three (3) fasteners.

Bidder Complies YES _____ NO _____

REAR MUD FLAPS: Mud flaps behind both sets of rear tires shall be supplied and installed. The mud flaps shall be 1/4" thick natural rubber material. Each mud flap shall be sandwiched between the wheel well liner and a torque distribution plate. The torque distribution plate shall be at least .100 thick aluminum plate. Each mud flap shall be through bolted to the wheel well liner with at least three (3) one-quarter inch (1/4") diameter stainless steel bolt.

Bidder Complies YES _____ NO _____

COURTESY STEP LIGHTS: There shall be a pair of courtesy step lights consisting of a Whelen style T0CACCCR 2" light, mounted to the front of the modular body on the lower body diamond plate stone guards. The lights shall be illuminated with the door ajar circuit for the cab doors.

Bidder Complies YES _____ NO _____

CORROSION: The anti-electrolysis procedure for any holes that are drilled for application of materials is to be as follows, After the hole is drilled, the opening(s) are to be treated with Tactile 517 prior to installation of any fasteners to guard against any future corrosion.

Bidder Complies YES _____ NO _____

EXTERIOR FASTENERS: All screw sites require a replaceable nylon insert for the fastener to thread into to isolate the dissimilar metals. Each hole shall be treated with an Electrolysis Corrosion Control compound (Tactile 517) prior to installation of the nylon inserts. All exterior screws shall be stainless steel.

Bidder Complies YES_____NO_____

BODY CORNER CAPS: The front and rear upper body corners shall include a cavity built into the aluminum body that shall not sacrifice the body integrity.

Bidder Complies YES_____NO_____

FRONT CORNER ICC LIGHTS: The front body corner caps shall include DOT approved compliant light fixtures with clear lenses. The lenses shall house ICC fixtures that include amber LED's to be mounted to the front and front corners. There shall also be additional LED lights that alternate red and red within the light to act as additional warning lights.

Bidder Complies YES_____NO_____

FRONT ICC LIGHTS: Clearance lights shall be provided per FMVSS 108. The lights shall illuminate the height of the vehicle, define the vehicle center line. Three (amber) lights shall be provided on the front of the module and be populated with at least two LED's.

Bidder Complies YES_____NO_____

FRONT ICC LIGHT GUARD: The above-mentioned clearance lights shall be provided with a guard manufactured of bright finish material. The guard shall protrude out past the light to protect them from debris.

Bidder Complies YES_____NO_____

REAR CORNER ICC LIGHTS: The rear body corner caps shall include DOT approved compliant light fixtures with clear lenses. The lenses shall house ICC fixtures that include red LEDs to the rear and rear corners. There shall also be additional LED lights that alternate red and red within the light to act as additional warning lights.

Bidder Complies YES_____NO_____

REAR ICC LIGHTS: Clearance lights shall be provided per FMVSS 108. The lights shall illuminate the height of the vehicle and define the vehicle centerline. Three red lights shall be provided on the rear of the module and be populated with at least two LED's.

Bidder Complies YES_____NO_____

REAR ICC LIGHT GUARD: The above-mentioned clearance lights shall be provided with a guard manufactured of bright finish material. They shall protrude out past the light to protect them from debris.

Bidder Complies YES_____NO_____

CORNER CAP WARNING LIGHT SWITCHING: The above-mentioned corner cap LED lights shall be wired to activate in Primary Only.

Bidder Complies YES _____ NO _____

LED LIGHT: There shall be a Kinequip LED (light emitting diodes) light installed on the ambulance. The fixture shall measure 1" tall x 1.75" wide and shall be installed to the ambulance with nylon isolators to separate the stainless fasteners from the surface to eliminate electrolysis. The light shall be a combination of red and amber with four individual LED's. There shall be two red and two amber diodes which shall alternate flash red and amber with an internal flasher within the light. The flange of the light shall be chrome in color. There shall be one light on the outer edge of every compartment door and every entry door, facing rear when the doors are open.

Bidder Complies YES _____ NO _____

AUXILIARY FOG LIGHTS: A pair of fog lights shall be supplied and installed on the front bumper and center aligned with the front head lights. The Whelen Nano 6 LED bail mount shall be installed. The switch shall be mounted in the cab console with the input of the switch powered with the ignition switch. The current draw for the lights shall not flow through the switch itself, but through a relay system. Each light head with 6 white Super LED lights produces 1800 lumens. A spotlight or flood light lens is provided with the purchased light. Vendors' proposed light shall be confirmed and approved by the agency prior to vehicle production.

Location: On top of Front Bumper or as possible to not block airflow

Switch: Rocker Switch in cab console with legend.

Bidder Complies YES _____ NO _____

MOUNTING BRACKETS: Black painted recessed pans shall be provided for Whelen nano 6 LED work lights.

Bidder Complies YES _____ NO _____

AUXILIARY DRIVING/FOG LIGHT SWITCHING: The above-mentioned lights shall be wired thru the chassis ignition and the conversion battery switch.

Bidder Complies YES _____ NO _____

SIDE MARKER LIGHTS: Side marker lights shall be Kinequip Model 112401RD (Red) and shall flash alternately with the rear turn lights. All lights shall be LED.

Bidder Complies YES _____ NO _____

BRIGHT CHROME-LIKE FLANGES: The 600 series taillight group shall be embellished by bright trim flanges.

Bidder Complies YES _____ NO _____

STOP/TAILLIGHT: The stop/taillight fixtures on the rear of the body shall be Whelen Brand series 600 Fully Populated Light Emitting Diode. The lights shall operate as both tail and stop modes and shall be red when illuminated.

Bidder Complies YES _____ NO _____

TURN SIGNAL LIGHT: The turn signal light fixtures on the rear of the body shall be Whelen Brand series 600, Light Emitting Diode. The lights shall operate as left and right turn signal lights and shall be amber arrow when illuminated.

Bidder Complies YES _____ NO _____

BACK UP SIGNAL LIGHT: The backup signal light fixtures on the rear of the body shall be Whelen Brand series 600, halogen light to operate as left and right back up signal lights and shall be clear when illuminated.

Bidder Complies YES _____ NO _____

THIRD BRAKE LIGHT: A third brake light shall be located centered above the rear access doors. The light/lens shall measure at least 15 square inches. The light is to be a Kinequip, model KFL-3BLO1 fixture.

Bidder Complies YES _____ NO _____

THIRD BRAKE LIGHT: When the brake is applied the light will steady burn.

Bidder Complies YES _____ NO _____

EXTERIOR FLOOD and LOAD LIGHTING:

LEFT SCENE LIGHTS: Two scene lights shall be provided on the left side of the module. The lights shall be Whelen LED-24, 900 series. The scene light group shall meet or exceed the present revision of the Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

SCENE LIGHT SWITCHING: The scene lights shall come on with two separate rocker switches labeled Right Flood and Left Flood, located in the center cab console controlled by the master switch. The right (curb side) scene lights shall also come on when the side entry door is opened.

Bidder Complies YES _____ NO _____

RIGHT SCENE LIGHTS: Two scene lights shall be provided on the right side of the module. The lights shall be Whelen LED-24, 900 series. The scene light group shall meet or exceed current revision of the Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

SCENE LIGHT SWITCHING: The scene lights shall come on with two separate rocker switches, located in the cab console. The input of the aforementioned switches shall be controlled by the "Master" switch in the cab console. Each switch shall be rated at a minimum of 20 amperes at 12vdc. One switch labeled "Right Flood" shall control both scene lights on the right side of the body and the other switch labeled "Left Flood" shall control both scene lights on the left side of the body. Each switch shall indicate switch output with a thin red light, built into the switch paddle. The right (curb side) scene lights shall also come on when the side entry door is opened.

Bidder Complies YES _____ NO _____

REAR LOAD LIGHTS: Two rear load lights shall be provided on the rear of the module, above the rear access doors. The lights shall be Whelen LED-24, 900 series. The scene light group shall meet or exceed current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

REAR LOAD LIGHT SWITCHING: The rear load lights shall come on with a separate rocker switch located in the cab console controlled by a master switch. The switch shall be labeled "Rear Flood" and shall control both rear load lights on the rear of the body and above the rear access doors. The rear load lights will come on when rear doors are opened.

Bidder Complies YES _____ NO _____

ADDITIONAL FLOOD LIGHT ACTIVATION: The rearward scene lights shall come on with when the vehicle is placed in reverse in addition to the rear flood/load lights.

Bidder Complies YES _____ NO _____

SCENE AND LOAD LIGHT DEACTIVATION SWITCHES: A deactivation switch designed to defeat/enable power to BOTH Scene and Loads. One defeat switch shall be located at the curb side upper ALS area by vent and on C/S main wall inside rear access door. The switches shall be labeled "Scene/Load Defeat".

Location: (1) on ALS Cabinet, below exhaust vent and (1) on C/S main wall, inside rear entry door.

Bidder Complies YES _____ NO _____

HVAC SYSTEM: The patient area HAC system shall be mounted over the area between the cab and the patient compartment behind the attendant seat at ceiling level. A/C Unit will have a ducted delivery system in the ceiling with eight (8) adjustable vents. There shall be 4" flexible hose from the evaporator to the ceiling mounted distribution channel.

Bidder Complies YES _____ NO _____

HEPA FILTER: The return air grille shall be supplied with a HEPA filter that is designed to fit the slot within the removable powder coated grille. It shall be installed and shall not rattle within the grille. The filter shall be replaceable by this department's fleet maintenance in the field.

Bidder Complies YES _____ NO _____

WATER PUMP: There shall be an inline water pump to assist the water from the OEM chassis to the patient area heating system. This pump is to allow the vehicle to meet the KKK requirements for heating from a Cold Soak situation.

Bidder Complies YES _____ NO _____

AIR PURIFYING UV: The manufacturer shall install an ACTIVTEK brand induct500-115 VAC to 12v system into the HVAC air duct system to assist in air purification. The DHP system shall be active anytime the HVAC system is running via twelve-volt DC power. The air flow shall be transverse to the air inlets of the INDUCT500 system to provide for air contact with the honeycomb cell. Direct view of the INDUCT500 system shall be prohibited by placement of the system away from visual contact. The ACTIVTEK INDUCT 500 utilizes university tested ActivePure® technology (a non-toxic, eco-friendly system) that substantially reduces odors, visible smoke, and various microbes (odors, mold, bacteria, viruses, VOC's etc. incl. MRSA STaph & e.Coli), thereby enhancing infection control and Clean Cab efforts. ActivePure incorporate a proprietary metal combination (incl. Titanium Dioxide) that reacts with the residing UV light to create a Dry Hydrogen Peroxide (DHP) that is safe to breathe continuously and significantly more effective than pure UV or UV-C systems. Designed to be installed inside the ductwork of an in-wall heating and air conditioning unit, INDUCT 500 is compact, self-contained, and requires no cleaning. This system is rated to cover up to 500 square feet and has a proven kill rate of 99.9% effectiveness in published university studies. Annual replacement of the UV bulb is required.

Bidder Complies YES _____ NO _____

REAR AIR CONDITIONING EVAPORATOR: Air Conditioning is hereinafter referred to as A/C. The module shall have an additional, self-contained A/C evaporator unit complete with a dual blower motor driven, high output fan. The fan shall be three speed and shall move 650 cubic feet of air per minute on high. The A/C unit shall also incorporate a hot water heater core for heat. The valves shall operate with the heater/defrost controls. The unit shall be rated at least 32,000 British Thermal Units (BTU) in A/C Mode and 35,000 BTU in Heater Mode. The Vehicle A/C Heater system must meet or exceed current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

CONDENSATION DRAIN PAN: A condensation pan shall be provided to collect water condensation from the evaporator coil. The drain pan shall be formed from 1/8 ABS plastic sheet and shall be listed (tilted) toward the drain fitting. The Evaporator unit shall be mounted so that the weight of the coil, case and blower assembly does not rest on the pan. Additionally, the entire evaporator shall list toward the condensation drain fitting to enhance water flow to the drain hose. The drain hose shall be ½ I. D., collapse resistant and fiber reinforced poly-tubing. The hose shall be routed from the condensation pan to the street.

Bidder Complies YES _____ NO _____

HEATER HOSES: Heater hoses for the cab shall remain OEM. 5/8 inside diameter, EPDM Nomex rubber hoses shall route from the OEM tie in point to the rear heater core.

Bidder Complies YES _____ NO _____

AIR CONDITIONING HOSES: All A/C Hoses shall meet Society of Automotive Engineers (SAE) J-2064. The discharge (High side) hoses shall not be less than 5/16 inside diameter (Size 6). The suction (Low side) hoses shall not be less than 1/2 inside diameter (Size 10). All hoses shall be A.S.T.M. Type D, with a thermoplastic inner liner (Nylon) that is protected by two textile reinforced braided electrometric outer jacket. The hose shall be qualified for use with R-134A, R-404 and R-407. The hose specified herein shall be subjected to a battery of tests per A.S.T.M. D-380. The results shall be supplied by the hose manufacturer. The flexible hoses shall connect to the metal end connections using the Burgaclip connection system and specialized tools, following the vendor's instructions.

Bidder Complies YES _____ NO _____

RETURN AIR GRILLE: Installed around the Heat/AC unit shall be a perforated 13-gauge steel grille. The grille shall allow 156 inches of return air flow to the Heat/AC unit. The grille shall provide complete access to the Heat/AC unit. The grille to have a black powder coat finish. There shall be two quarter turn locks supplied and installed on the grille. The locks shall have a black powder coated finish. Lock pawl activation shall be enabled with a round bitted key.

Bidder Complies YES _____ NO _____

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

Bidder Complies YES _____ NO _____

REAR AC CONTROL / THERMOSTAT: The air conditioning and heat for the patient cabin shall be controlled by a thermostatically sensitive panel located in the action area console. The panel shall feature a three-speed fan control switch, a system "heat-off-cool" switch and a variable temperature control. LED lights shall indicate "cool" and "heat" modes. A digital display shall indicate the patient cabin temperature.

Bidder Complies YES _____ NO _____

INSTALL LOCATION: The electrical item shall be installed in the main action area.

Bidder Complies YES _____ NO _____

LINER PANELS: The patient cabin head liner substrate material shall be one quarter inch thick, composite metal with powder coated finish laminated to center plastic material. An upholstered center panels shall provide access to ceiling wiring and be covered in the same upholstery type as the seat and back rest pads found on the squad bench and/or CPR seat.

Bidder Complies YES _____ NO _____

PATIENT CABIN DOME LIGHT RAIL SYSTEM: The patient cabin shall have a single fixture that extends within eighteen (18") inches of the rear header pad. The light rail shall be 90" long by 4.5" wide. The light rail

shall be fully populated with LED lighting. The lighting shall have 3 levels of intensity (3 levels only with multiplex systems) in addition to having a red lighting feature. The single fixture shall have individual circuit boards containing LED (light emitting diodes) sufficient to meet or exceed the lumen requirements of the Federal Specifications KKK-A-1822 present revision. The light rail output is 7100 lumens on high and 1750 lumens on low in total for the white lighting. The light rail shall be constructed of not less than .090" aluminum and shall be anti-microbial powder coated white to match the ceiling panels. The fixture shall be capped off at both ends to match the light rail extrusion to give the light rail an aesthetically appealing look and all the fasteners shall match the color of the light rail. There shall be switching in the cab to activate light on low and in the patient area to operate the light both in low and high output. There shall also be two full length rows of red LED lights on a separate switch to operate with or without the main white lights. The ceiling light configuration shall meet current Federal Specifications KKK-A-1822.

Bidder Complies YES_____NO_____

15 MINUTE TIMER: A variable 0-to-15-minute, spring wound, mechanical timer switch shall provide temporary illumination of the patient cabin for check out purposes. The switch input shall be wired directly to the vehicle batteries. The switch shall be located on the curbside wall, by the C/S access doors over the squad bench lid. The timer circuit shall comply with the latest revision of KKK-A-1822.

Bidder Complies YES_____NO_____

LIGHTS POWERED BY TIMER: The aforementioned timer shall power all of the center lights, mounted in the ceiling panels. The duration of the light shall vary with the setting of the timer.

Bidder Complies YES_____NO_____

I. V. BAG HANGING HARDWARE, No 1: One self-contained recessed I. V. Hook assembly shall be installed in the ceiling. The I. V. Hook assembly shall fold and stow recessed in a cast aluminum housing. The hooks are to be spiral shaped to preclude I. V. Bag from falling off with push button release for each fluid bag. The I. V. Hook assembly shall hold (2) two bags of fluid. A rubber with Velcro anti-sway device shall be included for IV retention, without depending on adjacent cabinetry.

Bidder Complies YES_____NO_____

LOCATION: Located of the Primary patient, in the close proximity to the Head/Chest area of the patient.

Bidder Complies YES_____NO_____

I. V. BAG HANGING HARDWARE, No 2: One self-contained recessed I. V. Hook assembly shall be installed in the ceiling. The I. V. Hook assembly shall fold and stow recessed in a cast aluminum housing. The hooks are to be spiral shaped to preclude I. V. Bag from falling off with push button release for each fluid bag. The I. V. Hook assembly shall hold (2) two bags of fluid. A rubber with Velcro anti-sway device shall be included for I. V. retention, without depending on adjacent cabinetry.

Bidder Complies YES_____NO_____

LOCATION: Located of the Secondary patient, in the close proximity to the Head/Chest area of the patient.

Bidder Complies YES _____ NO _____

RECESSED CURB SIDE OVER HEAD ASSIST RAIL: The rail shall exceed the current revision of current Federal specification KKK-A-1822. The rail shall be 1 ¼ diameter, 100% stainless steel with gray anti-microbial coating and 72 inches long. All rail fittings shall be TIG welded to the main rail. The rail shall be recessed in an ABS pan 1.5", located curbside of center pad.

Bidder Complies YES _____ NO _____

RECESSED STREET SIDE OVER HEAD ASSIST RAIL: The rail shall exceed the current revision of current Federal specification KKK-A-1822. The rail shall be 1 ¼ diameter, 100% stainless steel and 72 inches long. All rail fittings shall be TIG welded to the main rail. The rail shall be recessed in an ABS pan 1.5", located curbside of center pad.

Bidder Complies YES _____ NO _____

MODULE DOOR INSULATION: A primary layer of 0.250-inch-thick foil encapsulated micro-cellular closed-cell polyethylene with an R rating of 7.75 shall be installed against the outermost door surface. There shall be secondary 2-inch-thick moisture resistant hydrophobic microporous polymeric substance installed to provide added DB absorption and a minimum R rating of 11. Insulation shall be installed in the lower half of the door to achieve approximately 400 square inches minimum of insulation installed. Insulation panel pieces shall be cut with straight edges for structural integrity. The block insulation panels shall be installed using adhesive tape to nearby door structure members. There shall be gaps of one inch minimum to any activating linkage product, wiring, or other item in the door panel area. No upgrade insulation is installed around the upper entry window spacing to provide efficient install and secure mounting of the window mechanism. Gap spacing round each cell within the structure grid and the block foam shall not exceed one-half inch +/- ¼". There shall be a minimum air gap of 0.5 inch between the inner most foil surface and the doors interior surface materials. Insulation shall not interfere with door latch hardware. The total R value of the module entry doors must be greater than or equal to twelve.

Bidder Complies YES _____ NO _____

MODULE DOOR INSULATION: Module entry doors shall have 0.1875-inch-thick mass loaded acoustical ethylene vinyl acetate material attached to the inside surface of the lower exterior skin to provide a noise reduction of 75%. The Black sound proofing material shall be installed to the lower portion of the door interior for a minimum of 400 square inches of installation. No product shall be installed within one inch of any activating mechanism or hardware. The product shall be installed with gap tolerance of one-half inch +/- one quarter inch.

Bidder Complies YES _____ NO _____

SOUND BLOCK: There is to be Sound Block, sound deadening installed prior to the 1/2" subfloor. It shall be adhered directly to the vapor barrier and shall also include the interior of the body over the wheel well housings for a complete floor sound block. The material shall be less than 1/4" thick so as not to impede on the interior headroom. This sound deadening material has an additional insulation value of R-3 measured vertically. This

DBMAX material in combination with other mounted substrates can produce a decibel reduction on average of 47 decibels for frequencies 250 - 5000 HZ.

Bidder Complies YES _____ NO _____

INSULATION WALLS AND CEILING: The walls shall have minimum of 1-inch-thick closed- porous polymeric substance with a minimum R rating of 4. The insulation shall be fitted tightly against the structural members to maximize R-value effectively. Gap spacing around each cell within the structure grid and the block foam shall not exceed 1/16". A layer of 0.250-inch-thick foil encapsulated micro-cellular closed-cell polyethylene with a minimum R rating of 7.75. The material must pass FMVSS 302 testing. There shall be a minimum air gap of 0.5 inch between the inner most foil surface and the interior surface materials. The total R value of the walls must be greater than or equal to 11.75.

Bidder Complies YES _____ NO _____

The ceiling shall have a 1 inch thick closed-cell hydrophobic micro porous polymeric substance with a minimum R rating of 4. The insulation shall be fitted tightly against the structural members to maximize R-value effectively. Gap spacing around each cell within the structure grid and the block foam shall not exceed 1/16". A layer of 0.250-inch-thick foil encapsulated micro-cellular closed-cell polyethylene with a minimum R rating of 7.75. There shall be a minimum air gap of 0.5 inch between the inner most foil surface and the and the ceiling panel. The total R value of the ceiling must be greater than or equal to 11.75.

Bidder Complies YES _____ NO _____

STEPWELL INSULATION PACKAGE: The underside of the curbside step well shall be insulated between the structure with urethane froth insulation and then the underside shall be undercoated to protect the insulation from weather elements.

Bidder Complies YES _____ NO _____

SOUND DEADENING PACKAGE: The doors, and bare interior walls not covered by cabinetry of the ambulance shall be insulated with a premier insulation package that will both offer sound/acoustical and HVAC characteristics for the patient area of the ambulance. The material offers Sound, Air and Moisture barrier by blocks airborne noise from entering the vehicle through open passages. When used between metal surfaces and mounting brackets it acts as a de-coupler and damper reducing the vibration of each surface and minimizing the transfer of noise between the surfaces and the cabin interior. The separation of exterior and interior surfaces by utilizing this product also provides a thermal barrier which enhances the climate control in the vehicle. It is used as a moisture barrier within doors to protect electrical passages and gives a solid feel by filling gaps between panels. The following are some of the characteristics of the material:

- 1) Is a decoupling / damping layer to reduce impact/airborne noise through floors.
- 2) Adds insulation value as it exhibits a R value of 3+.
- 3) Product is made from postindustrial recycled content.
- 4) Passes FMVSS 302 flammability testing.
- 5) Passes automotive physical performance specifications.
- 6) Reduces noise levels up to 75% between the interior and exterior.
- 7) Is made of Non-PVC so it does not deplete the ozone layer.

8) Improves climate control efficiencies.

Bidder Complies YES _____ NO _____

MODULE INSULATION: The module insulation, except the under the floor shall consist of material having the following characteristics, 8mm thick nonabsorbent, reflective and shall have an air cell core. The air cell core shall consist of one layer of polyethylene bubble film that is sandwiched between one (1) layer of 99 percent pure aluminum foil and white colored polyethylene film. The insulation shall be installed with at least ½ air space from exterior skins, exposed to direct sun light. The insulation thermal rate testing shall be conducted in accordance with A.S.T.M. E84-89A, ANSI 2.5, NFPA 255, UBC 42-1, and U. L. 723. The walls shall not be less than R-15.0 down, R-7.31 Horizontally and R5.4 up. The insulation shall have a NFPA Class A and a UBC Class 1 fire rating with a flame spread index of 20 and a smoke developed index of 30. The application shall include a single layer of the insulation on all four walls, doors, compartments, ceiling, and floor.

Bidder Complies YES _____ NO _____

FRONT LIGHT BAR: The front light bar shall be a Whelen Edge+Plus 4500 series surface mounted light bar, located directly under the module drip rail. The universally designed bar shall feature an aluminum extrusion body designed to mount the bar, accommodate lenses, and accommodate interchangeable light heads. All devices specified herein shall operate from 12.8 volts direct current, supplied by the vehicle's charging/battery system. The light bar shall measure 4-1/8" high by 82" Long and protrude out from the body 5-1/8". The bar shall accommodate up to seven devices. The exact configuration and lens colors are specified below. Current draw shall not exceed 3.50 amperes for each rotator, 3.90 amperes for each halogen flashing light. The LED module colors shall be red/clear/red/clear/red/clear/red with all clear lenses on the exterior.

Bidder Complies YES _____ NO _____

LIGHT BAR LOCATION: The aforementioned light bar shall be through bolted to the face of the module front. T-slot bolts shall be supplied by the light bar manufacturer and shall slide along a T-shaped feature that is extruded into the main light bar body. All attachment nuts shall be Nylock type to preclude loosening due to vibration. All fastener sites shall be sealed with silicone to prevent water intrusion. The body skin shall be reinforced by 0.250 inch (1/4") thick aluminum plate to prevent skin pull through should the light bar be struck by low height tree branches.

Bidder Complies YES _____ NO _____

WARNING LIGHT FLASHER: A Vanner Model 9860GCPE Heavy Duty, Duo-mode electronic flasher shall provide momentary power (Flash) the Halogen light heads at a rate of 75 to 80 flashes per minute (+-8%). The device shall have three output legs with maximum output current ratings of: Terminal A with sixty amperes, Terminal B with forty amperes and Terminal C with forty amperes. Primary mode is the standard running mode which flashes alternately between light heads powered off Leg A and those lights powered off Legs B and C. In secondary mode (used at the scene), all lights on Leg C will go out. The device shall function with an input voltage ranging from ten to sixteen volts, direct current (10V - 16V). The flasher shall operate in the most severe environments with an operating ambient air temperature range, around the device of negative forty to positive one hundred twenty-two degrees Fahrenheit. (-40 to 122 F) The input circuit shall be protected with overload protection. The flasher shall feature four flash patterns: Alternate Flash, Triple Burst Flash, Quad

Burst Flash, and Dual Burst Flash. The flasher shall meet or exceed all GSA Triple K-1822 and AMD specifications.

Bidder Complies YES _____ NO _____

FLASH PATTERN: The warning lights shall flash in the sequence described in the present revision of the Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

PRIMARY / SECONDARY SWITCH: The warning light system shall be controlled with a switch(es) located in the cab console. The switch(es) shall allow for "Off" position, "Primary" position, and "Secondary" position. Each output of the switch shall be indicated with a small red lamp, integrated in the switch legend area. The switch shall have an engraved, illuminated legend that clearly defines the function of the switch.

Bidder Complies YES _____ NO _____

OPTICOM: The ambulance shall include a GTT Brand Model 794H LED Opticom unit with a switch in the console with an auto off if vehicle is taken out of drive gear.

Bidder Complies YES _____ NO _____

Opticom Location: The above mentioned Opticom unit shall be ordered and incorporated in the center front warning light.

Bidder Complies YES _____ NO _____

GRILLE LIGHTS A pair of TIRLIN-3 LED lights shall be mounted in chrome flanged housings on the grille supports and mounted in such a way as not to block air flow.

Bidder Complies YES _____ NO _____

WARNING LIGHTS: There shall be installed Whelen TIRLIN3 Red LED lights at the prescribed location to provide indication to others of emergency movement.

Bidder Complies YES _____ NO _____

ADDITIONAL GRILLE LIGHTS: There shall be (2) Whelen TIR LIN3 White LED, Clear Lens installed on the chassis grille in such a manner as to not block air flow.

Bidder Complies YES _____ NO _____

INTERSECTION LIGHTS: There shall be two Whelen LINZ6, RED S-LED warning lights installed on the front chassis fenders to warn intersection traffic.

Bidder Complies YES _____ NO _____

MODULE SIDE WARNING LIGHTS: There shall be four Whelen 900 series Super LED lights in the upper outermost positions.

Bidder Complies YES _____ NO _____

FLANGES: The above lights shall have Whelen's optional bright trim bezel (Flange), to embellish the light head.

Bidder Complies YES _____ NO _____

WARNING LIGHT: There shall be installed a Whelen 900 Series RED LED lights with Clear lens. The light is non-programmable and relies on a separately installed flasher for operation.

Bidder Complies YES _____ NO _____

ADDITIONAL WARNING LIGHTS: There shall be additional warning lights installed on the mid side of the ambulance module toward the rear.

Bidder Complies YES _____ NO _____

FLANGES: The above lights shall have Whelen's optional bright trim bezel (Flange), to embellish the light head.

Bidder Complies YES _____ NO _____

LOCATION: On the side of the module, over each rear wheel well opening on the ambulance body.

Bidder Complies YES _____ NO _____

WARNING LIGHT: There shall be installed a Whelen 700 series Super LED light with Red LED diodes and clear lens.

Bidder Complies YES _____ NO _____

WARNING LIGHT SWITCHING: The above-mentioned lights shall be wired to activate in Primary and Secondary modes.

Bidder Complies YES _____ NO _____

REAR UPPER WARNING LIGHT ZONE: There shall (2) Rear Upper Body Lights: 900 Series LED

Bidder Complies YES _____ NO _____

LOCATION: On the rear of the module, one in each upper outer corner inside of the structural corner post.

Bidder Complies YES _____ NO _____

WARNING LIGHT: There shall be installed a Whelen 900 Series RED LED lights with Clear lens. The light is non-programmable and relies on a separately installed flasher for operation.

Bidder Complies YES _____ NO _____

ADDITIONAL REAR WARNING LIGHTS: There shall be installed (2) Whelen 900 Series LED warning lights.

Bidder Complies YES _____ NO _____

LOCATION: On the rear of the module, aligned with each upper window in the access doors. The light shall flash through the window when the doors are opened.

Bidder Complies YES _____ NO _____

WARNING LIGHT: There shall be installed a Whelen 900 Series Red LED lights with Clear lens.

Bidder Complies YES _____ NO _____

REAR UPPER ZONE WARNING LIGHT: There shall be installed one warning light in the upper rear center of the module zone.

Bidder Complies YES _____ NO _____

FLANGES: The above lights shall have Whelen's optional bright trim bezel (Flange), to embellish the light head.

Bidder Complies YES _____ NO _____

WARNING LIGHTS: There shall be installed (1) Whelen 600 Super LED Amber LED lights with Clear lens.

Bidder Complies YES _____ NO _____

SPOTLIGHT: A Golight #020074GT searchlight with a dash or console mounted wireless remote control ON/OFF toggle switch and a 4-way directional pad shall be provided in the cab. The controls shall be located in easy reach of both driver and passenger. This unit also includes a programmable wireless handheld remote. The spotlight shall be permanently mounted.

Includes (1) Programmable wireless handheld remote.

(1) wireless dash mount remote

LITE-GO20074

Bidder Complies YES _____ NO _____

SPOTLIGHT MOUNT: The light shall be mounted on the cab roof.

Bidder Complies YES _____ NO _____

DRIVER AND VEHICLE TELMATICS MONITORING: There shall be installed a proprietary ECU based vehicle data monitoring system to monitor vehicle activities such as Odometer, Speed, Emergency Light activation, Siren, driver behavior, Battery condition, excessive idling, and efficiencies of systems. This system shall have the ability for Driver ID input to determine the identity of the driver commanding the vehicle. The system shall provide audio feedback to the driver to reduce risk on non-emergency calls by monitoring input behaviors. This system shall provide fleet data to reduce risk and liability for the agency by transmitting the performance through a multi-cell antennae externally mounted. This system when active is capable to reduce fuel burn and emissions through improved driving behavior. There shall be LED diagnostics on all inputs. The following voice commands will provide feedback with the enabled system through a speaker in the front and or rear, "Rear Door Open", "Compartment Open", "Driver Log In", "Battery Level Low", "Emergency Master Mode Activated", And "Exceeding Posted Speed Limit". Some alarms would be deactivated when the emergency master of the main electrical system is activated.

Remote vehicle monitoring Gen 3 system Telematics

Antenna to be mounted on chassis cab roof,

12 months of subscription software license included in purchase.

one speaker in chassis cab SPEA-SH80, in console,

Driver ID Fob reader installed on front console

Includes (5) ID-FOBS for driver identification (ship with vehicle)

TELEMATICS FEATURES:

- Real-time driver and fleet monitoring
- Real-time driver safety coaching with voice alerts
- GPS location services
- Accelerometer & turning data
- Vehicle Accessory Information (i.e.: lights & siren on)
- Maintenance Alerts
- Battery Monitoring
- Fuel Use Monitoring
- Ambulance Status
- Geo-Fencing
- OBD2 Codes
- Collision Alerts
- Data collected, preserved, and stored even in cellular dead zones
- 360-degree & in-cab Camera Documentation saved to cloud (coming soon)
- Live Maps and Geofencing
- Route Replay
- Vehicle Reports
- Filter by vehicle, vehicle type, idle or moving, etc.
- Service Monitoring & Reminders
- Customizable Alerts
- Exportable Files

Bidder Complies YES _____ NO _____

MAIN DEVICE LOCATION: The main device shall be located behind the passenger's seat: therefore, ALL digital input wiring and antenna coaxial cable shall ORIGINATE in the passenger's seat base in the cab.

AUXILIARY SINGLE STEREO SPEAKER: One 4-inch speaker shall be wired to the telematics system. The speaker shall be located as designated in the shop order instructions. This speaker shall be in the action area.

Bidder Complies YES _____ NO _____

THREE BATTERY SYSTEM: The ambulance conversion and chassis shall run with three maintenance free twelve-volt batteries as specified below. At least two batteries shall be wired in parallel to maximize starting amperage. At least two batteries shall be wired to work together, simultaneously per Ford QVM bulletin number sixty-three. The third battery may be wired for other purposes. The vehicle starting system requires at least TWO (2) batteries to adequately crank the engine.

Bidder Complies YES _____ NO _____

BATTERIES: Three (3) batteries shall be installed to provide main power for the vehicle. Two of the batteries shall remain OEM under hood and the other battery shall be located in the right front lower modular body compartment stated in this specification.

Bidder Complies YES _____ NO _____

BATTERY BRAND: All three (3) of the batteries shall be the same model and type. Each battery shall be rated at a minimum OEM rating. The batteries shall be warranted by the battery manufacturer for at least three years (thirty-six months) from the date of delivery to the agency.

Bidder Complies YES _____ NO _____

AUTO BATTERY SWITCH SHUT DOWN: The main conversion power shall automatically shut down five minutes after the ignition switch is turned to the OFF position. This will function shall save battery power should the conversion switch be left on during inactive time.

Bidder Complies YES _____ NO _____

POWER MODULE DOOR LOCKS: Each compartment and/or entry doors listed below shall Lock or Unlock with a single depression of a momentary switch. Each door shall be fitted with a bidirectional, momentary electric solenoid designed to operate a mechanical rod in a linear fashion. The rod shall mechanically interface with the door lock mechanism inside the door. All rod connections shall be designed for high cycle operation without mechanical disconnection. The battery compartment shall NOT have the power lock/unlock feature. This compartment shall remain key operated.

Bidder Complies YES _____ NO _____

DOOR LOCK SWITCH: The aforementioned door lock(s), shall be wired to activate with the OEM cab door locks and their switches in the cab.

Bidder Complies YES _____ NO _____

OEM KEY FOB OPTION: The aforementioned door lock(s), shall be wired to activate with the OEM cab door locks and their switches in the cab as well as the OEM remote key fob activator.

Bidder Complies YES _____ NO _____

DOOR LOCK SWITCHES: The module entry doors shall have internal integrated electric door lock activation switches.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (M1A): There shall be installed an electric solenoid powered actuator for the compartment door lock.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (M1): There shall be installed an electric solenoid powered actuator for the compartment door lock.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (M-2): There shall be installed an electric solenoid powered actuator for the compartment door lock.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (M-3): There shall be installed an electric solenoid powered actuator for the compartment door lock.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (Module Rear Entry): There shall be installed an electric solenoid powered actuator for the door locks.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (M-5): There shall be installed an electric solenoid powered actuator for the compartment door lock.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (M-6): There shall be installed an electric solenoid powered actuator for the compartment door lock.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (Curbside Entry): There shall be installed an electric solenoid powered actuator for the door lock.

Bidder Complies YES _____ NO _____

POWER DOOR LOCK (M-7): There shall be installed an electric solenoid powered actuator for the compartment door lock.

Bidder Complies YES _____ NO _____

REMOTE KEYPAD #1: There shall be a remote keypad installed on the ambulance for unlocking the doors that have electric door lock actuators.

Bidder Complies YES _____ NO _____

REMOTE KEYPAD LOCATION: The keypad shall be installed on the curbside entry door.

Bidder Complies YES _____ NO _____

HIDDEN DOOR LOCK SWITCH: A weatherproof momentary switch shall be installed, concealed from view.

Bidder Complies YES _____ NO _____

LOCATION: The switch shall be located in the license plate recess in the rear kick-plate, up high, by the tag light area.

Bidder Complies YES _____ NO _____

CAB CAMERA MONITOR: The vehicle shall include a single 7" color monitor that is mounted within clear view of the driver, but not to obstruct view out the front windshield at eye level. The monitor shall be connected to a camera(s) mounted as optioned on the ambulance.

Bidder Complies YES _____ NO _____

CAMERA #1: There shall be a camera mounted on the rear of ambulance body to allow the driver to view as they are backing up. Unless otherwise specified, the camera shall be mounted over the rear doors as close to the centerline of the vehicle as possible. The system shall include all the necessary cables and adapters to connect the system together with power as needed. The monitor shall automatically be tied in so that when the vehicle is placed in reverse, it will automatically illuminate the monitor and through the monitor controls shall allow for the monitor to be illuminated when the vehicle is in any gear.

Bidder Complies YES _____ NO _____

BACK UP ALARM: The apparatus shall include a 97 to 107 decibel back up alarm, activated by shifting into reverse.

Bidder Complies YES _____ NO _____

CUT-OFF SWITCH, BACK UP ALARM: The backup alarm shall include a momentary type cut off switch to silence the alarm. The alarm enable circuit shall automatically reset when the transmission is shifted out of REVERSE, hence the backup alarm will sound when the vehicle is placed in REVERSE again.

Bidder Complies YES_____NO_____

ELECTRICAL SYSTEM 12 Volt General

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

Bidder Complies YES_____NO_____

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

Bidder Complies YES_____NO_____

12 VOLT WIRE: All wires within the ambulance harnesses shall meet current Federal specification KKK-A-1822. All wire insulation shall be GXL cross-linked polyethylene. Permanent wire identification and wire function shall be printed on 4 centers along the full length of the wire. Wire conductors shall be stranded copper.

Bidder Complies YES_____NO_____

WIRE PROTECTION: All wire within the conversion shall be protected and run in split convoluted loom with a melting temperature of 300 degrees, Fahrenheit. All wire harnesses shall be clamped and routed to eliminate possibility of damage due to cut/chaffed wire. Grommets made of rubber or plastic shall be used where harnesses pass through metal or wood. Large holes and irregular shaped wire passages shall use automotive edge trim to protect the wire conduit/loom. Wire harnesses shall be neatly clamped into protective routing areas away from heat sources, unfriendly edges or moving devices.

Bidder Complies YES_____NO_____

CIRCUIT BOARD: The single relay control board is a fully integrated relay control board designed and built to IPC Class 3* guidelines. The VF4 style socket relay is rated at 20A at 24 VDC with built-in on-board diode suppression. Three status indicators for Blown Fuse, Coil Power and Load allow for intuitive operation and troubleshooting. Also included is a medium sized ATO blade style fuse / circuit breaker holder that is rated for 20A. Wiring connections are made via a WAGO Cage Clamp removable lockable connector, which provides a secure, vibration proof and corrosion resistant wire termination. Installation time is reduced by as much as

75%. All of these features are mounted in a 2"x2" DIN Rail mountable package. Clearly, the Single Relay Control Board is a best-in-class solution for Emergency Vehicle relay applications.

Bidder Complies YES _____ NO _____

CIRCUIT BREAKERS: All conversion related circuits shall be protected with manual reset blade breakers. The value of the breaker for each circuit shall not exceed 75% of the rated capacity of the weakest component in the circuit.

Bidder Complies YES _____ NO _____

FLASHER UNIT: There shall be a 14S flasher unit installed to allow the indicator lights to flash in the cab console.

Bidder Complies YES _____ NO _____

CAB CONSOLE: An ergonomically designed console with a A-A plywood substrate shall be contour matched to the cab floor. The console shall be a parallel wall design with a twelve- and one-half inch over all width. End panels and center console bulkhead panels shall add rigidity and square to the console. The substrate shall be laminated per the following finish specification.

Bidder Complies YES _____ NO _____

SWITCH PANEL, CAB CONSOLE: A switch panel made from 3/16 thick, translucent, acrylic sheet. The acrylic material shall evenly disperse label, indicator illumination. The Sheet shall be coated with a black colored, rigid plastic film. A CNC router shall engrave, permanent switch legends, switch holes, meter holes, and indicator legends. The switches shall be organized in two rows. The top row shall start with an Emergency Master, followed by all of the emergency related switches. The bottom row shall start with a Master Switch, followed by all of the non-emergency related switches. The switch panel features an auto-dimming capability as related to a light sensor in the voltmeter. Each switch features a reinforced hub as part of the integral sealed housing. The Sealed rocker switches are LED illuminated. Each switch meets or exceeds IP66 ratings for contamination.

Bidder Complies YES _____ NO _____

REAR SWITCH PANEL, ACTION AREA: A switch panel made from 3/16 thick, translucent, acrylic sheet. The acrylic material shall evenly disperse label, indicator illumination. The Sheet shall be coated with a black colored, rigid plastic film. A CNC router shall engrave, permanent switch legends, switch holes, meter holes, and indicator legends. The sealed switches shall be organized in one row and control all patient compartment functions, dome lights, action area light, exhaust vent, inverter (if equipped), HVAC, suction pump and any added features.

Bidder Complies YES _____ NO _____

MASTER SWITCH: The patient area master switch shall be located in the cab switch console.

Bidder Complies YES _____ NO _____

VOLTMETER: The charging system voltage condition shall be indicated through a conventional two-inch diameter, analog type gauge. The voltmeter shall be wired through the ignition switch and indicate system voltage ranging from eight to sixteen volts, direct current.

Bidder Complies YES____NO____

COMPARTMENT AJAR INDICATOR LIGHT: A LED 1/2" round Amber light shall be installed into the cab console's main switch panel with an engraved legend "COMPT OPEN" with LED backlighting below. This light color shall be AMBER. The light shall meet current Federal Specification KKK-A-1822.

Bidder Complies YES____NO____

INDICATOR LIGHT FUNCTION: The door ajar indicator light shall flash when two conditions are met:

- 1) The main conversion power switch is turned to the ON position.
- 2) Any compartment or entry door is opened.

The door ajar light shall come ON with a door that is not COMPLETELY latched.

Bidder Complies YES____NO____

CONVERSION POWER "ON" INDICATOR LIGHT: An indicator location, labeled "Amb Pwr", referring to "Ambulance Power" shall be engraved in the cab console's main switch panel. There shall be a half inch round Green LED indicator light when the conversion power is present. The light shall meet current Federal Specification KKK-A-1822.

Bidder Complies YES____NO____

INDICATOR LIGHT FUNCTION: The "Amb Pwr" indicator light shall burn steady when the main conversion power switch is turned to the ON position.

Bidder Complies YES____NO____

DOOR AJAR INDICATOR LIGHT: A LED illuminated legend "Door Ajar" shall be below a half inch round RED LED indicator light in the cab console's main switch panel. This light color shall be RED. The light shall meet current Federal Specification KKK-A-1822.

Bidder Complies YES____NO____

DOOR/COMPARTMENT AJAR BUZZER: In addition to the standard door and compartment ajar lights, there shall be a buzzer to be installed in the cab console to activate at the same time the lights flash.

Bidder Complies YES____NO____

SWITCHPANEL ILLUMINATION: Illumination of the switch panels shall be provided by LED strips attached to the underside of the switch panels. The strips shall be powered by 12volt DC.

Bidder Complies YES____NO____

SECONDARY PATIENT AREA SWITCHPANEL: There shall be a secondary switch panel installed in the patient area to interact with the RMR electrical system. This switch panel shall have an LED lighted bezel below each switch to identify the defined function. The sealed switches shall function through a solid-state module to control identified functions instantly without requiring a reset of switch on the other side of the module. The standard switches included in this panel shall be:

Master
HVAC
Left Domes
Right Domes
Suction
Exhaust
Inverter (If equipped)
Oxygen compartment light

The LED lighted switches of this system shall meet the IP66 standards for decontamination cleaning.

Bidder Complies YES _____ NO _____

A Second Switch panel is installed in the patient area with the following standard features.

Master
HVAC
Left Domes
Right Domes
Suction
Inverter (if equipped)
Exhaust

This system requires a Digital Thermostat as a separate item.
Additional switches are possible as separate options

Bidder Complies YES _____ NO _____

OPTIONAL CONTROL SWITCH: There shall be an additional control switch for the oxygen main tank control valve in the patient area at the second switch panel of the RMR electrical system. The switch shall have an LED illuminated legend and feature a sealed rocker switch system. The switch is rated to meet IP66 contamination cleaning standards.

Bidder Complies YES _____ NO _____

OPTIONAL CONTROL SWITCH: There shall be an additional control switch for the red dome lights in the patient area at the second switch panel of the RMR electrical system. The switch shall have an LED illuminated legend and feature a sealed rocker switch system. The switch is rated to meet IP66 contamination cleaning standards.

Bidder Complies YES _____ NO _____

CURBSIDE SWITCHPANEL MOUNTING: There shall be a padded angled mounting location for the secondary switch panel location. The mounting box shall be minimal in size and outside of the head strike zones.

Bidder Complies YES _____ NO _____

DUAL REAR AC CONTROL / THERMOSTAT: The air conditioning and heat for the patient cabin shall be controlled by a dual thermostat system. One thermostat to be installed at the action area, the second at a remote location as shown on the sales prints. The panels shall feature a three-speed fan control switch, a system "heat-off-cool" switch and a variable temperature control. LED lights shall indicate "cool" and "heat" modes. A digital display shall indicate the patient cabin temperature.

Bidder Complies YES _____ NO _____

INSTALL LOCATION: The electrical item shall be installed in the main action area.

Bidder Complies YES _____ NO _____

INSTALL LOCATION: The electrical item shall be installed in on the wall near the curbside stepwell area.

Bidder Complies YES _____ NO _____

CAB CONSOLE FINISH: The console body shall be finished with a 20 mil Easy Grip film. The Easy Grip shall be a self-adhesive as well as bonded to the substrate with high bond contact adhesive. All joints shall be inconspicuous and bonded along the edges.

Bidder Complies YES _____ NO _____

AUXILIARY CAB CONSOLE: A ergonomically designed extension console shall be contour matched to the Main ambulance conversion console. The console shall be a tapered design with a fourteen- and one-half inch width at the front of the console and a twelve-inch width at the rear of the console. The height shall not exceed the height of the engine cover console measured at the rear. The length of the console, measured at the center, shall be at least twenty-one inches.

Bidder Complies YES _____ NO _____

NOTEBOOK SLOT: The aforementioned extension console shall feature a four inch by full width slot specifically designed to hold notebooks and/or clipboards. The inside finish of the slot shall be of the same material as the outside laminate. The slot shall be located in the rearward most end of the extension console.

Bidder Complies YES _____ NO _____

CAB ARMRESTS: A permanent mounted padded armrest shall be bolted to the driver's and passenger's side of the cab center console.

Bidder Complies YES _____ NO _____

CAB CONSOLE FINISH: The console body shall be finished with a 20 mil Easy Grip film. The Easy Grip shall be a self-adhesive as well as bonded to the substrate with high bond contact adhesive. All joints shall be inconspicuous and bonded along the edges.

Bidder Complies YES_____NO_____

GROUND STRAPS: Four (4) 7/8" wide by 1/8" thick, fine strand, woven straps shall provide a ground path from the module body to the chassis frame. Woven straps filter out RFI noise originating from alternators, strobe power supplies and other devices, that may find their way into intercom, stereo, and two-way communication radios. Each end of the ground straps shall be through bolted with 3/8" diameter, grade 5 or 8, hex head bolts and lock nuts. Each connection site shall be cleaned to the bare metal prior to fastening the strap. The connections shall have a di-electric anti corrosion spray applied.

Bidder Complies YES_____NO_____

12 VOLT POWER INVERTER: A highly reliable Vanner LIFESINE 1100 electronic power conversion unit that utilizes advanced technology shall be supplied, installed, and wired to the outlets specified herein. A built-in automatic transfer switch shall transfer all loads from the inverter to the shoreline when the shoreline cord is plugged into 125 vac shoreline power. The device shall convert 12-volt DC battery power into 1100 watts of precisely regulated pure sine wave 120-volt AC power. The device shall hold output power between 115 volts and 125 volts while also providing a 3-stage up to 55-amp DC battery charger capacity. The battery charger is compatible with sealed AGM, flooded lead-acid and deep -cycle gel-cell batteries. Portable charging equipment power is available through a direct supplied 20-amp DC maximum source port. The 55-amp total charging capacity is then reduced by the demand through the direct power sourcing port.

The device shall not consume more than 57 amperes at 12 volts direct current (DC). The device IS certified by Underwriters Laboratories to the present revision of the Federal Specification KKK-A-1822. This LIFESINE 1100-LSC12-1100 unit is designed with safety first by Vanner to exceed GSA, NFPA, AMD and CAAS GVS specifications and testing requirements. The location of the inverter is specified below.

Bidder Complies YES_____NO_____

POWER SOURCE FOR PORTABLE EQUIPMENT No 1: Power sources are located and included with a purchased inverter.

Bidder Complies YES_____NO_____

LOCATIONS: The power sources shall be located with one in the chassis cab console and one behind the patient action area panel.

Bidder Complies YES_____NO_____

POWER SOURCE: The aforementioned power provision shall be fed off of the output of the ignition switch or when the battery charger/conditioner is connected to the shoreline.

Bidder Complies YES_____NO_____

BATTERY CHARGER/CONDITIONER: When the system is connected to shore/utility power, the battery charger (built into the aforementioned inverter) will automatically charge the batteries, then keep them fully charged. The system's microprocessor controls the charging sequence, starting with the high charger (55 Amp) mode. When the batteries are fully charged, it switches to the ready/maintenance mode to keep the battery "topped up". The battery charger shall be designed to charge either lead acid flooded (wet) or gel type batteries.

Bidder Complies YES _____ NO _____

BUILT-IN BATTERY CHARGER: The aforementioned built-in battery charger shall be wired to the vehicle batteries to allow charging/conditioning when the shoreline is energized.

Bidder Complies YES _____ NO _____

The power inverter shall reside in the left front middle compartment.

Bidder Complies YES _____ NO _____

COMMUNICATIONS RADIO(S) RELATED:

TWO-WAY RADIO EQUIPMENT & INSTALLATION: Bidders shall include the supply and installation of two-way radio equipment that meet this agency's needs. Specifications for radios may be obtained directly from Brian Mezzapelle, Chief of Storm Engine Company Ambulance Corps.

Bidder Complies YES _____ NO _____

RADIO POWER

POWER SOURCE FOR COMMUNICATION RADIO(S) No 1: Positive and Negative polarity ten-gauge wires shall be supplied and installed for subsequent installation of communications radio(s). The wires shall be barreled off and protected by a thirty (30) ampere automatic reset circuit breaker.

Bidder Complies YES _____ NO _____

POWER SOURCE: The power provision shall be fed off of the output of the conversion main power (Battery) switch.

Bidder Complies YES _____ NO _____

LOCATION: The aforementioned power source shall be located in the center console, in the cab.

Bidder Complies YES _____ NO _____

POWER SOURCE FOR COMMUNICATION RADIO(S) No 2: Positive and Negative polarity ten-gauge wires shall be supplied and installed for subsequent installation of communications radio(s). The wires shall be barreled off and protected by a thirty (30) ampere automatic reset circuit breaker.

Bidder Complies YES _____ NO _____

POWER SOURCE: The power provision shall be fed off of the output of the conversion main power (Battery) switch.

Bidder Complies YES _____ NO _____

LOCATION: The aforementioned power source shall be located in the center console, in the cab.

Bidder Complies YES _____ NO _____

POWER SOURCE FOR COMMUNICATION RADIO(S) No 3: Positive and Negative polarity ten-gauge wires shall be supplied and installed for subsequent installation of communications radio(s). The wires shall be barreled off and protected by a thirty (30) ampere automatic reset circuit breaker.

Bidder Complies YES _____ NO _____

POWER SOURCE: The aforementioned power provision shall be wired through a relay and controlled by the vehicle's ignition switch. Power for the aforementioned device or power supply shall not pass through the ignition switch itself.

LOCATION: The aforementioned power source shall be located in the center console, in the cab.

Bidder Complies YES _____ NO _____

POWER SOURCE FOR COMMUNICATION RADIO(S) No 4: Positive and Negative polarity ten-gauge wires shall be supplied and installed for subsequent installation of communications radio(s). The wires shall be barreled off and protected by a thirty (30) ampere automatic reset circuit breaker.

Bidder Complies YES _____ NO _____

POWER SOURCE: The power provision shall be fed off of the output of the conversion main power (Battery) switch.

Bidder Complies YES _____ NO _____

LOCATION: The power source shall be located behind the Action area control panel in the patient cabin.

Bidder Complies YES _____ NO _____

POWER SOURCE FOR COMMUNICATION RADIO(S) No 5: Positive and Negative polarity ten-gauge wires shall be supplied and installed for subsequent installation of communications radio(s). The wires shall be barreled off and protected by a thirty (30) ampere automatic reset circuit breaker.

Bidder Complies YES _____ NO _____

POWER SOURCE: The power provision shall be fed off of the output of the conversion main power (Battery) switch.

Bidder Complies YES _____ NO _____

LOCATION: The power source shall be located behind the Action area control panel in the patient cabin.

Bidder Complies YES _____ NO _____

POWER SOURCE FOR COMMUNICATION RADIO(S) No 6: Positive and Negative polarity ten-gauge wires shall be supplied and installed for subsequent installation of communications radio(s). The wires shall be barreled off and protected by a thirty (30) ampere automatic reset circuit breaker.

Bidder Complies YES _____ NO _____

POWER SOURCE: The aforementioned power provision shall be wired through a relay and controlled by the vehicle's ignition switch. Power for the aforementioned device or power supply shall not pass through the ignition switch itself.

LOCATION: The power source shall be located behind the Action area control panel in the patient cabin.

Bidder Complies YES _____ NO _____

ANTENNA LEADS

ANTENNA BASE: The antenna base shall be a series KE-794 with an integrated cable to terminate where the customer decides at the pre-construction meeting.

Bidder Complies YES _____ NO _____

ANTENNA BASE: The antenna base shall be a series K-94 with an integrated cable to terminate lined up with the edge of the curbside entry door, centered side to side as near as possible.

Line up with edge of curbside entry door, centered side to side as near as possible.

Bidder Complies YES _____ NO _____

ANTENNA BASE: The antenna base shall be a series K-94 with an integrated cable to terminate where the customer decides at the pre-construction meeting.

Bidder Complies YES _____ NO _____

ANTENNA BASE: The antenna base shall be a series KE-794 with an integrated cable to terminate where the customer decides at the pre-construction meeting.

Bidder Complies YES _____ NO _____

ORIGINATION POINT: The Coaxial cable shall originate on the module roof. The port is located approximately 24 inches back rearward of roof port #1.

Roof Port No 2 is located approximately 24 inches back rearward of roof port #1.

Bidder Complies YES _____ NO _____

ANTENNA BASE: The antenna base shall be a series K-94 with an integrated cable to terminate where the customer decides at the pre-construction meeting.

Bidder Complies YES _____ NO _____

ANTENNA BASE: The antenna base shall be a series KE-794 with an integrated cable to terminate where the customer decides at the pre-construction meeting.

Bidder Complies YES _____ NO _____

ORIGINATION POINT 3: The Coaxial cable shall originate on the module roof. The port location shall be centered side to side and is located approximately 24 inches back rearward of roof port #2.

Roof Port No 3 is located approximately 24 inches back rearward of roof port #2.

Bidder Complies YES _____ NO _____

ANTENNA BASE: The antenna base shall be a series K-94 with an integrated cable to terminate where the customer decides at the pre-construction meeting.

Bidder Complies YES _____ NO _____

ANTENNA BASE: The antenna base shall be a series KE-794 with an integrated cable to terminate where the customer decides at the pre-construction meeting.

Bidder Complies YES _____ NO _____

ORIGINATION POINT: The Coaxial cable shall originate on the module roof. The port location shall be located approximately 24 inches back rearward of roof port #3.

Roof Port No 4 is 1 is located approximately 24 inches back rearward of roof port #3.

Bidder Complies YES _____ NO _____

ANTENNA BASE: The antenna base shall be a series K-94 with an integrated cable to terminate where the customer decides at the pre-construction meeting.

Bidder Complies YES _____ NO _____

DOOR/COMPARTMENT AJAR BUZZER: In addition to the standard door and compartment ajar lights, there shall be a buzzer to be installed in the cab console to activate at the same time the lights flash.

Bidder Complies YES _____ NO _____

125V SHORELINE AND OUTLETS

SHORELINE INLET No 1: The primary 125 Volt shoreline inlet, rated at 20 Amperes shall be supplied. The plug style shall be a straight blade (NEMA 5-20P) style with a U-shaped ground. The inlet shall automatically eject the shoreline connector when the vehicle ignition switch is placed in the START position. The shoreline inlet shall employ a novel internal switch that closes and opens the 125 Volt circuit after the mating connector is inserted and before the connector is removed to eliminate arcing at the connector contacts. This will prolong the life of the inlet and the shoreline connector. The inlet shall be protected with a weatherproof cover.

Bidder Complies YES _____ NO _____

SHORELINE INDICATOR LIGHT: There shall be a green indicator light to power to the shoreline system within the ambulance body. The light shall be an LED 130v light fixture that is shock and vibration proof. The light fixture shall have a 100,000-hour life for long lasting service in the field. Being LED technology, the fixture shall have an extremely low heat generation. The LED indicator light fixture shall be located above the shoreline inlet.

Bidder Complies YES _____ NO _____

SHORE LINE COVER: The shoreline inlet shall be protected with a white weatherproof cover.

Bidder Complies YES _____ NO _____

SHORELINE EJECT TIMER: The shoreline timer shall be an Inpower VCM-05-01SF to allow the auto-eject to be wired to the ignition switch ILO splicing into the OEM starter circuit.

NOTE: This allows the auto-eject to be wired to the ignition switch In lieu of splicing into the OEM starter circuit and is required any this vehicle

Bidder Complies YES _____ NO _____

125 VAC OUTLETS

EXTERIOR 125 OUTLET No. 1: The following outlets shall be UL listed, 125 Volt, 2-pole 3 wire grounding, Straight blade NEMA 5-15 outlets. The receptacles shall feature a heavy duty wrap around steel yoke that is locked in for maximum strength and security. The line contacts inside the outlet shall be made of brass with a triple-wipe connection. The grounding contacts shall be made of brass with a double-wipe connection. The outlet shall be connected to the feed wires utilizing the screw terminals. All stranded wire connectors shall utilize machine crimped fork terminals. Solid strand Romex or any other type of solid core wire shall not be used.

Each outlet shall be installed in a UL listed, recessed, fiberglass back box with a minimum of one- and three-quarter inch of box depth. Surface mounted "Weatherproof" boxes are not acceptable. The outlet cover shall be near flush and stainless steel. The outlet must be grounded and protected by a GFI (Ground Fault Interrupted) Breaker. Each outlet body must illuminate when power is applied to the outlet. Each Outlet shall be clearly

labeled with a permanent RED colored decal with clear, easy to read text defining the outlet voltage. The text shall be a contrasting color to the red background.

LOCATION: M-2 Compartment

Bidder Complies YES_____NO_____

OUTLET POWER SOURCE: The outlet(s) shall be wired to operate off either Shoreline #1 or Inverter #1.

Bidder Complies YES_____NO_____

EXTERIOR 125VAC OUTLET No. 2: This outlet shall be wired the same as outlet number 1. Placement of this outlet shall be determined by selection of location.

LOCATION: M-3 Compartment

Bidder Complies YES_____NO_____

OUTLET POWER SOURCE: The outlet(s) shall be wired to operate the same as outlet #1.

Bidder Complies YES_____NO_____

125 VAC OUTLET No. 1: The following outlets shall be UL listed, 125 Volt, Hospital grade, Straight blade NEMA 5-15R outlets. Each outlet shall be installed in a UL listed, recessed, fiberglass back box with a minimum of one- and three-quarter inch of box depth. The outlet cover shall be stainless steel. The outlet must be grounded and protected by a GFI (Ground Fault Interrupted) Breaker. Each outlet body must illuminate when power is applied to the outlet. Each outlet shall be clearly labeled with a permanent RED colored decal defining the outlet voltage.

Bidder Complies YES_____NO_____

OUTLET LOCATION: This 125 Volt outlet shall be located in the patient cabin's, main "Action Area", with location as shown on the approval drawings.

Bidder Complies YES_____NO_____

125 VAC OUTLET No. 2:

OUTLET LOCATION: This 125 Volt outlet shall be located inside of the right front ALS Cabinet. The outlet shall be mounted on the back wall of the cabinet (related to inside access) in the upper right corner. The location of the outlet shall be defined on the proposal drawings.

Bidder Complies YES_____NO_____

125 VAC OUTLET No. 3:

OUTLET LOCATION: This 125 Volt outlet shall be located inside of the right front ALS Cabinet. The outlet shall be mounted on the back wall of the cabinet (related to inside access) in the upper right corner. The location of the outlet shall be defined on the proposal drawings.

Bidder Complies YES _____ NO _____

125 VAC OUTLET No. 4:

OUTLET LOCATION: Cabinet I-1

Bidder Complies YES _____ NO _____

INTERIOR 12 Volt Direct Current (DC) OUTLETS:

12 VOLT OUTLET No 1: This outlet shall be a 12-volt, direct current, 20 Ampere, automotive "cigar" lighter size commercial outlet. This outlet shall be located and wired as specified below. The outlet shall be separately protected and shall be electrically isolated from other electrical functions on the vehicle. This outlet shall be wired per current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

OUTLET LOCATION: This 12 Volt outlet shall be located in the patient cabin's, main "Action Area", on the back wall.

POWER SOURCE: The input for the outlet shall be wired to the output of the battery switch.

Bidder Complies YES _____ NO _____

12 VOLT OUTLET No 3: This outlet shall be wired the same as outlet #1.

LOCATION: Cabinet I-1

POWER SOURCE: The input for the outlet shall be wired exactly like outlet Number One.

Bidder Complies YES _____ NO _____

12 VOLT OUTLET No 4: This outlet shall be wired the same as outlet #1.

Bidder Complies YES _____ NO _____

OUTLET LOCATION: This 12 Volt outlet shall be located inside of the right front ALS Cabinet. The outlet shall be mounted on the back wall of the cabinet (related to inside access) in the upper right corner. The location of the outlet shall be defined on the proposal drawings.

POWER SOURCE: The input for the outlet shall be wired exactly like outlet Number One.

Bidder Complies YES _____ NO _____

12 VOLT USB OUTLET: This outlet shall be a 12-volt, direct current, 4.8Ampere with 2.4 amp per slot fast charge USB outlet. This outlet shall be located and wired as specified below. The outlet shall be separately protected and shall be electrically isolated from other electrical functions on the vehicle. The outlet includes a waterproof cover.

Bidder Complies YES _____ NO _____

OUTLET LOCATION: 12 Volt outlet shall be located in the patient cabin, Action Area panel.

Bidder Complies YES _____ NO _____

ELECTRONIC SIREN: The Whelen 295HFSA7 siren hardware shall consist of a control head with a remote mounted amplifier. The mono or dual sound output shall include 8-programmable operating profiles and include a removable microphone. The siren control head shall feature a rocker type power switch, rotary function/Mode switch, a Manual momentary button switch and a microphone volume control potentiometer.

Bidder Complies YES _____ NO _____

SIREN SPEAKERS: Cast Products model No SA4327-1 siren speakers shall be supplied and installed through the front bumper. Each speaker shall have a 100-watt driver and shall emit from the front OEM bumper. The horn shall feature a bumper contour matched bezel that provides a mounting rim large enough for four counter sink fastener holes. The ambulance manufacture shall use four (4) stainless steel, #2 Phillips oval head 1/4-20 x 2" machine screws with stainless steel nylon type locking nuts, stainless steel split lock washer and flat washers to fasten each speaker to the bumper. The siren and speakers shall meet or exceed all performance criteria set forth in Federal specification KKK-A-1822D 3.14.6. For any non-similar metal surfaces a corrosion inhibitor compound prior to final installation of the speakers.

Bidder Complies YES _____ NO _____

SIREN OR HORN SELECTOR SWITCH: The OEM horn ring shall control the OEM electric horn and the siren's manual momentary input controls. A switch shall connect the horn ring to either the OEM HORN or to the SIREN. The switch shall be located in the cab console's switch panel. The switch legend, that clearly defines the switch function shall be engraved in the switch panel. The legend shall be illuminated when the head light switch is on.

Bidder Complies YES _____ NO _____

AIR HORN SYSTEM: The apparatus shall be supplied with an authoritative sounding air horn system that is loud enough to overwhelm almost every usual audible distraction. The air horns shall, when enabled, emit a loud (138 decibel) signal with tremendous power for the duration of the users' depression of the Activation switch. The system shall contain two horns of UNEQUAL length to cover a wider frequency range.

AIR HORN ACTIVATION: The air horns shall be activated through a twelve-volt solenoid valve. The solenoid valve shall feature an orifice size large enough to allow 20 CFM of air volume to pass through at fifty pounds per square inch of pressure. The solenoid valve shall be activated by a momentary switch. The

solenoid valve shall automatically shut off when the switch is released. The foot switch shall be ENABLED as follows:

Bidder Complies YES _____ NO _____

AIR HORN SUPPLY TANK: There shall be an air horn supply tank to store the air that is generated by the compressor to supply the specified horns. This tank that shall be determined by engineering and the air horn manufacturer shall be secured to the chassis frame rails.

Bidder Complies YES _____ NO _____

AIR HORN ENABLE: The aforementioned air horn switch shall not activate the air horns, unless BOTH cab doors are closed. This is designed to prevent accidental discharge of the air horns by someone getting in and out of the passenger or driver's seat.

Bidder Complies YES _____ NO _____

AIR HORN ACTIVATION REQUIREMENTS: The ignition shall be activated for the air horns to be active.

Bidder Complies YES _____ NO _____

COMPRESSOR FOR AIR HORNS: A Buell Model No 6540 maintenance free, Oil-less Air compressor shall be supplied and installed. This intermittent duty (6 minutes ON, 25 minutes OFF) compressor shall be dedicated for the air horn use only. The compressor shall generate 1.15 cubic feet per minute (CFM) of air volume at zero pounds per square inch and shall have a compression capacity of at least 125 pounds per square inch. The compressor shall run and stop automatically with a pressure switch that is set to come on at ninety-five (95) pounds per square inch and SHUT OFF at One hundred twenty-five (125) pounds per square inch. The compressor inlet port shall be filtered. The compressor shall supply compressed air to a pressure vessel listed below. The pressure vessel shall not exceed 3.0 gallons (693 cubic inches) of volume. Amperage draw shall never exceed 18 amperes at 12.0 volts, even at start up.

Bidder Complies YES _____ NO _____

The specified air horn compressor shall be located in the M6 compartment.

Bidder Complies YES _____ NO _____

AIR HORN LOCATION: The air horn trumpets shall be located under the front OEM bumper.

Bidder Complies YES _____ NO _____

LEFT AIR HORN: The left air horn shall be a Buell-Strombos model No 1061. The horn shall feature all brass construction, hand spun brass bell, a stainless-steel diaphragm and heavily chrome plated exterior finish. The horn shall emit 140 decibels at one meter with a frequency of four hundred ninety-three (493) Hertz.

Bidder Complies YES _____ NO _____

RIGHT AIR HORN: The left air horn shall be a Buell-Strombos model No 1062. The horn shall feature all brass construction, hand spun brass bell, a stainless-steel diaphragm and heavily chrome plated exterior finish. The horn shall emit 140 decibels at one meter with a frequency of three hundred ninety-six (396) Hertz.

Bidder Complies YES _____ NO _____

ADDITIONAL SIREN SPEAKERS: There shall be an additional siren installed on the ambulance. The secondary siren shall be a Whelen Howler siren with amplifier and dual drivers. There shall be custom bracket as needed to accommodate the chassis application.

Bidder Complies YES _____ NO _____

MOUNTING BRACKET: There shall be a specific mounting bracket a Whelen model HWLRB22 used to install the howler siren speaker.

Bidder Complies YES _____ NO _____

GENERAL CABINET CONSTRUCTION

SUBSTRATES: The interior cabinets and components shall be constructed of exterior water boil proof resin (WBP). The glue line between layers shall be of similar chemical makeup as the phenolic resin used in marine Grade plywood, as designated by the APA (American Plywood Association). Phenolic resins are designed to eliminate formaldehyde off gassing often associated with most hardwood plywood. The exposed layers of the substrate shall be hard wood on both sides of the sheet, these layers shall be 99% void free. Cabinet cases are to be made from at least 12mm thick, minimum 5 ply. Bench Lids and Doors shall be made from at least 18 mm thick, minimum 7 ply.

Bidder Complies YES _____ NO _____

CABINET INTERIOR FINISH: Cabinet interior shall be laminated with white colored, high impact, abrasion resistant laminate. The contact adhesive shall be a high bond contact adhesive, specifically designed to bond plywood to laminate. The laminate shall be at least 28 mills thick.

Bidder Complies YES _____ NO _____

LAMINATE: A high impact, phenolic backed, high impact, and abrasion resistant laminate shall be used. The laminate shall be at least 45 mills thick. This material as well as all interior components shall meet or exceed FMVSS. #302 (Burn rate of interior components). Color selection shall be specified at the pre-build conference.

Bidder Complies YES _____ NO _____

CABINET ASSEMBLY: To maximize fastener bite, cabinet substrate parts shall be stapled with pneumatic fired equipment. The length of the fastener shall be at least 2.25 times the thickness of the material being pierced through. In addition to staples, the entire cabinet assembly must be screwed together with a minimum #8 screw size and a length not less than 2.25 times the thickness of the pierced substrate. Screw heads shall be countersink type and driven flush. Reinforcement cleats shall be bonded to the inside corners where the

backside of the face of the cabinet meets the case of the cabinet. The glue used shall be, yellow colored waterproof resin type.

Bidder Complies YES _____ NO _____

CABINET TRIM: All trim throughout the interior conversion shall be anodized aluminum or formed stainless steel. All exposed corners within the patient compartment shall have padded or rounded corners. Rounded corners shall be at least .250-inch radius. Rounded corners shall not compromise maximum cabinet assembly strength. The trim shall be bonded with a high strength adhesive.

Bidder Complies YES _____ NO _____

FIT AND FINISH: Mitered joints throughout the interior conversion shall have a gap-less, hairline fit. Sliding polycarbonate door assemblies shall be scratch free and all edges shall be smooth and free of saw marks and sharp edges. Cabinet to cabinet joints shall not require more than 7/32 diameter welting to create a finished/well-fit look. Cabinets shall fit tightly against the ceiling as well.

Bidder Complies YES _____ NO _____

FUNCTION: Doors and drawers shall fit the opening. When specified, flush fitting doors shall have even door to opening gaps. All doors shall open and close bind free. Drawers shall slide in and out freely, without drag. All drawers shall be mounted on side mounted, full extension drawer slides, rated no less than 75 pounds per pair. All hinged wood core doors shall have positive latches. High traffic, high cycle doors shall have adjustable tension, brass bodied catches. All hinged polycarbonate doors shall have adjustable tension, brass bodied catches.

Bidder Complies YES _____ NO _____

CABINET DOORS

SLIDING POLYCARBONATE DOORS: Polycarbonate shall hereinafter be specified as installing LEXAN™ materials. Unless specified otherwise, all cabinets along the street and curb side of the vehicle shall have a mitered framed, sliding transparent LEXAN™ door assembly. The LEXAN™ shall be at least 3/16 inch thick. Each door shall be fitted with a full length, extruded aluminum door handle. The door pull extrusion shall also add bend resistance to the door. The door track/Frame extrusion shall incorporate a flocked natural rubber track insert to prevent the doors from sliding free during transit. The corners of the assembly shall have drive-in corner spline. Each spline shall be riveted into place. All extrusions shall be anodized.

Bidder Complies YES _____ NO _____

HINGED LEXAN™ DOORS: Polycarbonate shall hereinafter be identified as Lexan. The LEXAN™ shall be at least 3/16 inch thick. The desired thickness shall be noted within this specification at each door location. The door orientation, hinge style and latch shall also be noted at each door location as well. The door edges shall be rounded and smooth since it will be the finished edge that will be visible.

Bidder Complies YES _____ NO _____

SOLID HINGED DOOR: When a solid door is specified, a 3/4" (19mm) thick door shall be supplied on the cabinet. The substrate shall be 7-ply, A-A (Cabinet grade), hardwood plywood. The door shall be flush fitted to the opening and have uniform gap spacing around the perimeter of the door. The door shall be hung on a continuous, stainless steel piano hinge with mounting screws, spaced every two inches along the full length of the pre-punched hinge. The door shall be finished on both sides with white cabinet liner laminate on the inside and the same-colored mica as the cabinet fascia on the outside.

Bidder Complies YES _____ NO _____

MICA COLOR: The mica color selection shall be White with a Glossy finish. A sample of the subject mica color shall be supplied at the post award conference.

Bidder Complies YES _____ NO _____

CABINET INTERIOR FINISH: Cabinet interior shall be laminated with white colored, high impact, abrasion resistant laminate. The contact adhesive shall be a high bond contact adhesive, specifically designed to bond plywood to laminate. The laminate shall be at least 28 mills thick.

Bidder Complies YES _____ NO _____

POLYCARBONATE COLOR: The polycarbonate throughout the vehicle shall be transparent and with a slight gray tint. All doors shall be at least one quarter of one inch thick (1/4"), shatter proof and scratch resistant. The edges of the doors shall be worked and burned smooth. The material shall be flexible enough to be cold formed (Bent) at ninety degrees, without fracturing the material. Brittle material is not acceptable.

Bidder Complies YES _____ NO _____

HANDLES, LEXAN WINDOW DOORS: Full height, anodized aluminum, extruded drive on handles shall be supplied on each 3/16" door. The handle shall wrap around the leading edge of each door and mount with one-way angular, blind mounting teeth designed to be driven on.

Bidder Complies YES _____ NO _____

ATTENDANT SEAT: There shall be a high back captain's seat mounted in the patient area. The seat shall have an integrated child safety seat with a pull-down backrest and concealed 4-point child restraint. The seat shall be mounted per the requirements in the latest revision of KKK-A-1822. The seatbelt on the main part of the seat shall be an integrated, Per4Max 4-point that is supplied and tested by the seat manufacturer as a complete package. The Main overall color of the seat shall be Gunmetal, with the center flip down child seat cover to be taupe. The seat shall be on standard EVS slide track mounted to an EVS base of choice.

Bidder Complies YES _____ NO _____

SEAT BASE: There shall be a powder coated metal seat that is tested to be utilized with the Emergency Vehicle Seating Child integrated seat. The metal base shall be mounted to the ambulance floor and secured to modular body sub-structure according to the manufacturer's guidelines.

Bidder Complies YES _____ NO _____

AIR CONDITIONING EVAPORATOR CABINET: The patient cabin shall be equipped with a rear air conditioning and heat unit. AC Unit to be located above the walkthrough at the bulkhead. The design shall provide adequate air return to meet or exceed the current revision of the Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

CABINET J: The cabinet will be installed on Bulkhead Wall, under Talk Thru window. This cabinet shall meet current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

SPECIAL LOCATION STORAGE CABINET AREA COUNTER SURFACE: The designated cabinet shall have a cabinet top surface made from one half inch thick solid surfacing material. The color shall compliment the color scheme of the mica, floor, and upholstery in the remaining areas of the vehicle interior. The material shall be tested to the same material as the "Action Area". The successful bidder shall disclose the make of the solid surfacing material they are providing to the agency on their "Shop Order".

Bidder Complies YES _____ NO _____

SOLID SURFACE COLOR: The color of the solid surface material specified above shall be Northern Melange-9195ML

Bidder Complies YES _____ NO _____

DUAL FLUSH DOORS: Two oppositely hinged, 3/4" (19mm) thick doors shall be supplied on the aforementioned cabinet. The doors shall be flush fitted to the opening and have uniform gap spacing around the perimeter of the doors. Each door shall be finished with white cabinet liner laminate on the inside and the same-colored mica as the cabinet face on the outside.

Bidder Complies YES _____ NO _____

DOOR EDGE FINISH: The edges of the aforementioned doors shall be covered with anodized aluminum, U-shaped trim. The trim shall be miter cut and wrapped around the perimeter of each door (On ALL four sides), including the hinged side. The trim shall be bonded to the door edge and clamped. No screws or other mechanical fastener shall be used to fasten the trim work to the door(s). The corners of the doors shall be broken (rounded) after application. Vinyl "Iron on" or mica edge banding is not acceptable.

Bidder Complies YES _____ NO _____

HINGE ORIENTATION: The doors shall be hinged along the outside edge of each door.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCHES: Two round pull style chrome positive latches shall be supplied and installed on the cabinet door, one at the top and one at the bottom. A small "preload" on the latches shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Hinge: 1 1/2" Stainless Steel Piano Hinge

Bidder Complies YES _____ NO _____

SHELF STANDARDS: The aforementioned cabinet shall be equipped with non-incremental, aluminum, C-shaped shelf standards.

Bidder Complies YES _____ NO _____

ADJUSTABLE SHELF: A shelf shall be supplied in the cabinet. The shelf shall be made of 1/2" thick substrate and finished in white colored laminate. Both sides of the shelf shall be laminated. The shelf shall be secured to four shelf clips with a Phillips head wood screws, from the bottom of the shelf. An anodized aluminum angle shall be securely fastened to the front edge of the shelf. The vertical leg of the angle shall provide a lip along the front edge.

Bidder Complies YES _____ NO _____

CURBSIDE UPPER CABINET: The curbside upper cabinet is located on the curbside (right side) of the patient cabin, over the squad bench. The cabinet length shall be maximized and start within two inches of the curbside entry door opening and mate to the right rear wall of the patient cabin.

Bidder Complies YES _____ NO _____

CABINETS "K1 & K2": An interior cabinet shall be provided above the squad bench, on the curb side of the vehicle. This multipurpose cabinet interior shall be finished in high impact, white colored mica that is impervious to disinfectants and cleaners. The cabinet shall have two openings, each with a fixed divider set back from the face.

Bidder Complies YES _____ NO _____

SINGLE FLIP UP POLYCARBONATE DOOR: A Single 3/8" (0.375 in) thick, overlay flip up door shall be supplied on the cabinet.

Bidder Complies YES _____ NO _____

HINGES: The hinges to hold up the access door shall be powder coated zinc Reel Torque style with a 30-pound torque setting each. Each hinge has a built-in friction action to provide a holding force of present amount to cause the hinge to resist movement in either direction. This hinge is intended to act as a hold open for a cabinet light door while the vehicle is not in motion.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. A small "pre-load" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

REAR GLOVE BOX STORAGE: There shall be glove box storage for three (3) boxes of gloves located over the rear entry doors, at each end of cabinet, with open space in middle for mounting a clock. The gloves shall dispense through oblong slots cut into the individual 3/8-inch-thick Lexan doors, hinged at the top and feature a brass bodied, roller bearing type catch at the bottom.

Bidder Complies YES _____ NO _____

HINGED POLYCARBONATE DOOR: A 3/8" (0.375 in) thick, overlay hinged door with three oblong, dispense through holes shall be supplied on the aforementioned cabinet. The outer door edges and the oblong hole edges in the door shall be router semi-round and burned smooth. Each oblong hole shall align with the center of each divided cabinet cell. The design intent for the oblong holes is to be capable of dispensing gloves through the door, directly from the box.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. A small "pre-load" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

LEFT FRONT CABINET, CABINET "H": Cabinet "H" is the storage cabinet behind the attendant seat.

Bidder Complies YES _____ NO _____

SOLID HINGED DOOR: A 3/4" (19mm) thick door shall be supplied on the aforementioned cabinet. The door shall be flush fitted to the opening and have uniform gap spacing around the perimeter of the door. The door

shall be finished with white cabinet liner laminate on the inside and the same-colored mica as the cabinet face on the outside.

Bidder Complies YES _____ NO _____

DOOR EDGE FINISH: The edges of the aforementioned door(s) shall be covered with anodized aluminum, U-shaped trim. The trim shall be miter cut and wrapped around the perimeter of the door (On ALL four sides), including the hinged side. The trim shall be bonded to the door edge and clamped. No screws or other mechanical fastener shall be used to fasten the trim work to the door(s). The corners of the doors shall be broken (rounded) after application. Vinyl "Iron on" or mica edge banding is not acceptable.

Bidder Complies YES _____ NO _____

HINGE ORIENTATION: The aforementioned door shall be hinged along the left edge of the door.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. A small "preload" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

RIGHT FRONT CABINET (I): The right front cabinet is hereinafter known as ALS cabinet. The cabinet shall be constructed of Wood with laminate surfaces. All fixed and adjustable shelf surfaces shall be covered in Easy Grip material. All fixed and adjustable shelf lips shall be covered with anodized aluminum trim. All shelves shall have a ¾ lip. The ALS cabinet shall provide at least 22.0 cubic feet of storage and configured as follows.

Bidder Complies YES _____ NO _____

Cabinet I-1: This cabinet is located on the top section of the ALS (Cabinet I)

SOLID HINGED DOOR: A ¾" thick door shall be supplied on the cabinet. The door shall be flush fitted to the opening and have uniform gap spacing around the perimeter of the door. The door shall be hung on a continuous, stainless steel piano hinge with mounting screws. The door shall be finished on both sides with the same-colored laminate as the cabinet face.

Bidder Complies YES _____ NO _____

DOOR EDGE FINISH: The edges of the aforementioned door(s) shall be covered with anodized aluminum, U-shaped trim. The trim shall be miter cut and wrapped around the perimeter of the door (On ALL four sides),

including the hinged side. The trim shall be bonded to the door edge and clamped. No screws or other mechanical fastener shall be used to fasten the trim work to the door(s). The corners of the doors shall be broken (rounded) after application. Vinyl "Iron on" or mica edge banding is not acceptable.

Bidder Complies YES _____ NO _____

HINGE ORIENTATION: The aforementioned door shall be hinged along the top edge of the door.

Bidder Complies YES _____ NO _____

LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. There shall be a key included for locking purposes. A small "preload" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

CABINET I-2: The middle section shall be 40% of the overall cabinet height. This cabinet shall meet current Federal specification KKK-A-1822. Access from the inside shall be as follows below.

Bidder Complies YES _____ NO _____

DOUBLE HINGED POLYCARBONATE DOORS: Two 3/8" (0.375 in) thick, overlay hinged doors shall be supplied on the aforementioned cabinet. The edges of the doors shall be contoured semi-round and smooth. The spacing between the doors shall be uniform and both doors shall be height aligned.

Bidder Complies YES _____ NO _____

HANDLES, LEXAN WINDOW DOORS: Full height, anodized aluminum, extruded drive on handles shall be supplied on each 3/16" door. The handle shall wrap around the leading edge of each window door and mount with one-way angular, blind mounting teeth designed to be driven on. Glue or tape on handles will come loose and are not acceptable.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCHES: Two round pull style chrome positive latches shall be supplied and installed on the cabinet door, one at the top and one at the bottom. A small "preload" on the latches shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

RIGHT FRONT CABINET OUTSIDE ACCESS: The right front cabinet of the module shall have outside access through the right front (M-7) compartment door.

Bidder Complies YES _____ NO _____

INTERIOR COLOR: The above cabinet interior surfaces shall be laminated with high impact, 28 mil, white colored laminate.

Bidder Complies YES _____ NO _____

SHELF STANDARDS: The aforementioned cabinet shall be equipped with non-incremental, aluminum, C-shaped shelf standards.

Bidder Complies YES _____ NO _____

ADJUSTABLE SHELVES: Three shelves shall be supplied in the cabinet. Each shelf shall be made of 1/2" thick substrate and finished in 28 mil white colored laminate. Both sides of the shelf shall be laminated. The shelf shall be secured to four shelf clips with Phillips head wood screws, from the bottom of the shelf. An anodized aluminum angle shall be securely fastened to the front edge of the shelf. The vertical leg of the angle shall provide a lip along the front edge.

Bidder Complies YES _____ NO _____

CABINET I-3: The lower section shall be approximately 25% of the overall cabinet height. The cabinet shall be made of aluminum and composite components as designed. It must meet current Federal specification KKK-A-1822. Access from the inside shall be as follows below.

Bidder Complies YES _____ NO _____

RIGHT REAR CABINET: The right rear exterior compartment specified herein shall be completely concealed from interior view by a right rear cabinet of wood substrate materials. All exposed surfaces of this cabinet shall be fully laminated with color keyed laminate. The vertical outer corner shall feature a radius anodized aluminum trim. The trim shall originate from the top of the mated squad bench and terminate into the ceiling.

UPHOLSTERY PAD: An upholstered pad covering the entire forward-facing wall, over the squad bench shall be provided. The pad shall include at least 1/2" thick foam padding covered in the same heavy-duty vinyl covering specified for the squad bench cushions and the remaining upholstery package.

Bidder Complies YES _____ NO _____

INSIDE ACCESS INTO RIGHT REAR COMPARTMENT: Inside access to the right rear cabinet shall be positioned above the squad bench seat cushion level, on the wall facing the aisle. The access opening shall accommodate clear access to splints, collars or other medical appliances that are stored in the right rear exterior compartment. The access opening from the interior is eight inches wide and thirty-two inches tall. If the agency determines that specific size openings are required, they shall declare these during post-award, pre-construction meetings.

Bidder Complies YES _____ NO _____

HINGED POLYCARBONATE DOOR: A 3/8" (0.375 in) thick, overlay hinged door shall be supplied on the aforementioned cabinet. The edges of the door shall be contoured semi-round and smooth.

Bidder Complies YES _____ NO _____

HINGE ORIENTATION: The aforementioned door shall be hinged along the right edge of the door.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. A small "pre-load" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

SQUAD BENCH WOOD: A squad bench shall be installed on the curbside of the patient compartment. the squad bench system shall be constructed of wood laminated as appropriate. Seating shall be installed as described writing these specifications. All seat belts and anchorage shall comply with FMVSS. 209 and 210. The Squad Bench shall comply with current KKK-A-1822. A back and head rest shall be supplied for all seated personnel along the squad bench.

Bidder Complies YES _____ NO _____

BIO-WASTE RECEPTACLE: A biological waste receptacle shall be installed in a roll-out drawer. The drawer body shall be fully laminated and shall be mounted on full extension side mounted drawer slides with 100 pound per pair load rating. The slides shall feature a quick disconnect to allow the drawer to be removed for cleaning. The drawer body receptacle shall accommodate a sharps container and a solid waste container. A white colored "Bio-waste" symbol and legend shall be applied to the drawer front.

Bidder Complies YES _____ NO _____

DRAWER SLIDES: The aforementioned drawer shall be equipped with ball bearing, full extension drawer slides rated at one hundred and thirty pounds at an eighteen-inch length, per pair. The length of the slide shall be at least the length of the drawer body and shall travel at least the length of the slide plus one inch over travel. The slides shall be mounted to the side of the drawer body and cabinet case. The slide sectional envelope shall not exceed one half inch wide by two and three eighth inches high. In order to thoroughly clean the drawer and the case, the drawer slides shall feature a quick detach lever in each slide, to allow the drawer to be removed from the case without tools.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. A small "pre-load" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

LOCATION: The sharps container is to be at the foot of the squad bench, the trash container in the action area.

Bidder Complies YES _____ NO _____

WASTE CONTAINER: One six quart (346 cubic inch), rimmed plastic waste container shall be supplied and fitted into the "Bio-waste" enclosure.

Bidder Complies YES _____ NO _____

SHARPS CONTAINER: A puncture proof, disposable sharps container located at the head of the squad bench with a 2-gallon capacity shall be supplied for safe disposal of used/contaminated syringes.

Bidder Complies YES _____ NO _____

UNDER LID STOWAGE: The squad bench shall provide storage under the access lids. This multipurpose storage area shall be finished in high impact, white colored laminate. Must meet current Federal specification current KKK-A-1822.

Bidder Complies YES _____ NO _____

SQUAD BENCH LIDS: Two (Split) squad bench lids shall be supplied over the squad bench storage area.

Bidder Complies YES _____ NO _____

HINGE, SQUAD BENCH LID(S): All squad bench lids shall be installed with butt style, hinges. The hinges shall be through bolted for longevity of the vehicle. There shall be a minimum of two hinges per lid.

Bidder Complies YES _____ NO _____

LID CHECKS: Each squad bench lid shall have a bi-directional gas spring lid check (Hold open). The force value selected, and ball stud locations shall provide lift assistance after twenty degrees of bench lid lift angle. The ball stud mounts shall be at least 10 millimeter.

Bidder Complies YES _____ NO _____

LID LATCH: One latch to hold each lid down shall be supplied. The lid latch shall be stamped stainless steel construction and latches automatically by simply closing the bench lid. There shall be a slot milled into the underside of the bench lid to accept a manufactured keeper that will prevent the lid from pulling away from the latch. The paddle latch will be through bolted to the keeper with the retaining nuts on the backside of the keeper as a complete assembly. This assembly has been tested to SAE J3058 standards and passed with the ability to contain 80 pounds in the entire area of the squad bench. A label shall be affixed to the squad bench area.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied near the squad bench exterior indicating the lids to the squad bench are restrained with a compliant latch. The latch assembly of the squad bench were tested to SAE J3058 standards to 80 pounds and found passing. The operator should not exceed the 80-pound weight rating for the entire squad bench storage area. This item is compliant to section 3.11.3 of KKK-A-128F dated July 1, 2017.

Bidder Complies YES _____ NO _____

EDGE TRIM: The edge of the squad bench lid shall be finished with aluminum anodized "J" trim. The trim is to be supplied with countersunk holes to allow for screws to be installed flush, so the screw head does not catch anything.

Bidder Complies YES _____ NO _____

RESTRAINT NET: A detachable net shall be installed at the head of the squad bench. In the event of sudden stop or frontal accident, the design intent of the net is to minimize injuries to unbelted personnel seated on the squad bench. The net is a safety barrier between the occupant/personnel and the bulkhead cabinetry. The net shall be a grid of 2 wide safety web, spaced on maximum centers of 8 inches.

The net shall be secured at six points. All points must be secured to 0.250-inch-thick Aluminum tapping plates: or body structure with wall thickness of 0.250 inch: or through bolted to cabinet interface reinforcement brackets that are bolted to 0.250 thick welded body structure. The net shall be tightly stretched and attached to the following surfaces:

One point on the ambulance floor on the aisle side of the squad bench.

One point at the top of the squad bench near the curb side wall.

Two points at the curb side wall, near the side entry door.

Three points in the ceiling.

All Restraint Net attachment devices shall be aviation quality and pull strength tested. Tested to 2,000-pound force applied in shear (Horizontally). Detachment of the net shall be done without the need for a removal or installation tool(s). Each device shall feature a cadmium plated steel attachment ring that is forged in one continuous ring, without a split or seam. Each device shall be sewn onto the net webbing with a 1 3/4-inch square shaped thread path and diagonal X-shaped thread path to assure web to ring security.

Bidder Complies YES _____ NO _____

STREETSIDE TOP CABINETS: The cabinets shall be constructed of a wood and laminate materials to provide long lasting durability in use.

CABINET "B" WOOD: An upper, interior cabinet shall be provided directly over the "Action Area". This multipurpose cabinet interior shall be finished in high impact, white colored laminate. The cabinet shall be ergonomically angled toward the CPR seat. Must meet current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

SLIDING SECURE LATCH RESTOCKING WINDOW: There shall be a restocking sliding SECURE LATCH window installed at the location indicated. This window features several advanced safety features allowing it to meet the new SAE J3058 safety standard. This slider window features a full-length spring-loaded low-profile bar latch at both ends of the slider window that lock into an aluminum extrusion when the window is closed. The center of the window has aluminum inter-locking stiffeners of panel to distribute outward impact loads across both panels. The window shall be able to be opened with one motion and with one hand. To close the user can push the window and slam -latch to closing. This window also features a lower release bar that allows the window to be opened to a restocking position for a majority clear access to the contents of the cabinets without accessing through the sliding window. The restocking feature is to be used when the vehicle is not in motion. This window has been tested to SAEJ3058 testing methods in a third-party testing facility and found to safely restrain 30 (thirty) pounds of contents. Windows that do not meet the SAEJ3058 safety requirements are not acceptable to this agency.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any Secure Latch Restocking Sliding Window system indicating its ability to restrain 30 pounds of contents within the stowage area. This secure latch sliding window system has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

SHELF STANDARDS: The aforementioned cabinet shall be equipped with non-incremental, aluminum, C-shaped shelf standards.

Bidder Complies YES _____ NO _____

ADJUSTABLE SHELF: A shelf shall be supplied in the cabinet. The shelf shall be made of 1/2" thick substrate and finished in white colored laminate. Both sides of the shelf shall be laminated. The shelf shall be

secured to four shelf clips with Phillips head wood screws, from the bottom of the shelf. An anodized aluminum angle shall be securely fastened to the front edge of the shelf. The vertical leg of the angle shall provide a lip along the front edge.

Bidder Complies YES _____ NO _____

CABINET "CPR": An upper, interior cabinet shall be provided directly over the CPR side seat in the Base wall cabinet. This multipurpose cabinet interior shall be finished in high impact, white colored mica that is impervious to disinfectants and cleaners.

Bidder Complies YES _____ NO _____

SINGLE FLIP UP POLYCARBONATE DOOR: A Single 3/8" (0.375 in) thick, overlay flip up door shall be supplied on the cabinet.

Bidder Complies YES _____ NO _____

HINGES: The hinges to hold up the access door shall be powder coated zinc Reel Torque style with a 30-pound torque setting each. Each hinge has a built-in friction action to provide a holding force of present amount to cause the hinge to resist movement in either direction. This hinge is intended to act as a hold open for a cabinet light door while the vehicle is not in motion.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. A small "pre-load" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

BASE WALL CABINET: The base wall cabinet is located on the Street side (Left side) of the patient cabin. The cabinets shall be constructed of high-quality wood materials. The overall height of the Base Wall Cabinet shall be approximately 75% of the overall head room. This cabinet shall be built in ONE piece. The laminate along the fascia shall be ONE piece on single color laminate selections. A CPR Side Seat shall be provided on the street side aligned with the primary patient abdomen.

Bidder Complies YES _____ NO _____

ACTION AREA: The action area is a work surface located on the forward end of the Base Wall Cabinet and adjacent to the attendant seat. The work surface shall be at least 5.5 square feet. The work area height shall be 24 inches to 29 inches. The work surface shall have a three-quarter inch (3/4") high lip.

Bidder Complies YES _____ NO _____

ACTION AREA COUNTER SURFACE: The action area counter surface shall be made from one half inch thick solid surfacing material. The color shall compliment the color scheme of the mica, floor, and upholstery in the remaining areas of the vehicle interior. This material shall be installed by certified personnel trained on the specific brand of solid surfacing material being installed. The successful bidder shall disclose the make of the solid surfacing material they are providing to the agency on their "Shop Order".

The proposed solid surfacing material shall meet the following minimum technical specifications:

TEST	TEST VALUE	TEST METHOD
Stain Resistance:	24	ANSI 5.2.1
Barcol Hardness	60-62	Barcol Impressor
Flexural Strength, PSI	8250	ASTM D-790
Flexural Modulus, PSI x 10	1.41	ASTM D-790
Dart Impact, 2lb dart	No Fracture	30" Drop
Fire Rating	Class A / Class 1	ASTM E-84
Sample Thickness	0.785 inches	

Color Fastness Pass ANSI Z124.3-1986

The samples shall show no significant change in color after 200 hours of exposure.

Wearability Pass ANSI Z124.3-1986

After completion of 10,000 scrub cycles, no wear through shall be observed.

Cleanability Pass ANSI Z124.3-1986

The average absolute loss of white light reflectance after application and removal of standard dirt with liquid detergent shall be 0.0%. No additional cleaning shall be necessary.

Chemical Resistance Pass ANSI Z124.3-1986

Solid Surface material is defined as a composite of high-tech resins and natural minerals giving the bold and elegant perception of stone. The material shall be 100% solid meaning the surface color goes all the way through. This material shall be chemically engineered to resist stains, nicks, and scratches. The material shall be nonporous and shall not support the growth of mold mildew and bacteria.

Bidder Complies YES _____ NO _____

SOLID SURFACE COLOR: The color of the solid surface material specified above shall be Northern Melange-9195ML

Bidder Complies YES _____ NO _____

SOLID SURFACE EXTENSION: There shall be an extension of the solid surface countertop to in front of the O1 cabinet. The material shall be matching in color to the main countertop with a one-inch lip.

Bidder Complies YES _____ NO _____

ACTION AREA BOARD: There shall be a single board containing the basic electrical and oxygen control systems of the patient area. This board shall be covered in black secure grip material. Proper spacing shall be maintained between electrical and oxygen connections. The board shall be hinged by dual action concealed hinges and secured by quarter turn captive head bolts. The use of hinges and bolts allows for inspection of the connections during routine maintenance procedures.

Bidder Complies YES _____ NO _____

CABINET O1: This cabinet shall be located in the forward action area for storage of medical tubing, air ways, ventilation face masks, and/or miscellaneous items. Must meet current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

SINGLE HINGED POLYCARBONATE DOOR: A 3/8" (0.375 in) thick, overlay hinged door shall be supplied on the aforementioned cabinet. The edges of the door shall be router semi-round and burned smooth.

Bidder Complies YES _____ NO _____

HINGES: Stainless-Steel Spring-Loaded Style.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. A small "preload" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

SHELF STANDARDS: The aforementioned cabinet shall be equipped with non-incremental, aluminum, C-shaped shelf standards.

Bidder Complies YES _____ NO _____

ADJUSTABLE SHELF: A shelf shall be supplied in the cabinet. The shelf shall be made of 1/2" thick substrate and finished in white colored laminate. Both sides of the shelf shall be laminated. The shelf shall be secured to four shelf clips with Phillips head wood screws, from the bottom of the shelf. An anodized aluminum angle shall be securely fastened to the front edge of the shelf. The vertical leg of the angle shall provide a lip along the front edge.

Bidder Complies YES _____ NO _____

CABINET "D": An interior cabinet shall be provided directly over the rearward "Telemetry Area just aft of the CPR side seat within the base cabinet on the street side. This cabinet will be ergonomically angled towards the CPR seat. This multipurpose cabinet interior shall be finished in high impact, white colored laminate. The cabinet shall be ergonomically angled toward the CPR seat. Must meet current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

SLIDING SECURE LATCH RESTOCKING WINDOW: There shall be a restocking sliding SECURE LATCH window installed at the location indicated. This window features several advanced safety features allowing it to meet the new SAE J3058 safety standard. This slider window features a full-length spring-loaded low-profile bar latch at both ends of the slider window that lock into an aluminum extrusion when the window is closed. The center of the window has aluminum inter-locking stiffeners of panel to distribute outward impact loads across both panels. The window shall be able to be opened with one motion and with one hand. To close the user can push the window and slam -latch to closing. This window also features a lower release bar that allows the window to be opened to a restocking position for a majority clear access to the contents of the cabinets without accessing through the sliding window. The restocking feature is to be used when the vehicle is not in motion. This window has been tested to SAEJ3058 testing methods in a third-party testing facility and found to safely restrain 30 (thirty) pounds of contents. Windows that do not meet the SAEJ3058 safety requirements are not acceptable to this agency.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any Secure Latch Restocking Sliding Window system indicating its ability to restrain 30 pounds of contents within the stowage area. This secure latch sliding window system has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

SHELF STANDARDS: The aforementioned cabinet shall be equipped with non-incremental, aluminum, C-shaped shelf standards.

Bidder Complies YES _____ NO _____

ADJUSTABLE SHELF: A shelf shall be supplied in the cabinet. The shelf shall be made of 1/2" thick substrate and finished in white colored laminate. Both sides of the shelf shall be laminated. The shelf shall be secured to four shelf clips with Phillips head wood screws, from the bottom of the shelf. An anodized aluminum angle shall be securely fastened to the front edge of the shelf. The vertical leg of the angle shall provide a lip along the front edge.

Bidder Complies YES _____ NO _____

CABINET "E": An interior cabinet shall be provided at the rear of the base cabinet on the street side. This multipurpose cabinet interior shall be finished in high impact, white colored laminate. Must meet current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

SLIDING SECURE LATCH RESTOCKING WINDOW: There shall be a restocking sliding SECURE LATCH window installed at the location indicated. This window features several advanced safety features allowing it to meet the new SAE J3058 safety standard. This slider window features a full-length spring-loaded low-profile bar latch at both ends of the slider window that lock into an aluminum extrusion when the window is closed. The center of the window has aluminum inter-locking stiffeners of panel to distribute outward impact loads across both panels. The window shall be able to be opened with one motion and with one hand. To close the user can push the window and slam -latch to closing. This window also features a lower release bar that allows the window to be opened to a restocking position for a majority clear access to the contents of the cabinets without accessing through the sliding window. The restocking feature is to be used when the vehicle is not in motion. This window has been tested to SAEJ3058 testing methods in a third-party testing facility and found to safely restrain 30 (thirty) pounds of contents. Windows that do not meet the SAEJ3058 safety requirements are not acceptable to this agency.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any Secure Latch Restocking Sliding Window system indicating its ability to restrain 30 pounds of contents within the stowage area. This secure latch sliding window system has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

CABINET ACCESS: The above cabinet shall not be accessible through the outside of the module.

Bidder Complies YES _____ NO _____

SHELF STANDARDS: The aforementioned cabinet shall be equipped with non-incremental, aluminum, C-shaped shelf standards.

Bidder Complies YES _____ NO _____

ADJUSTABLE SHELF: A shelf shall be supplied in the cabinet. The shelf shall be made of 1/2" thick substrate and finished in white colored laminate. Both sides of the shelf shall be laminated. The shelf shall be secured to four shelf clips with Phillips head wood screws, from the bottom of the shelf. An anodized aluminum angle shall be securely fastened to the front edge of the shelf. The vertical leg of the angle shall provide a lip along the front edge.

Bidder Complies YES _____ NO _____

CABINET "F": An interior cabinet shall be provided directly below the "Telemetry" Area. This multipurpose cabinet interior shall be finished in high impact, white colored laminate. Must meet current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

CABINET "F-2": An interior cabinet shall be provided directly below the rearward "Telemetry" Area just aft of the CPR side seat within the base cabinet on the street side. This multipurpose cabinet interior shall be finished in high impact, white colored mica that is impervious to disinfectants and cleaners. The cabinet shall add at least 1.6 cubic feet of interior stowage accommodations described in Federal specification KKK-A-1822E 3.11.1.

Bidder Complies YES _____ NO _____

SOLID HINGED DOOR: A 3/4" (19mm) thick door shall be supplied on the aforementioned cabinet. The door shall be flush fitted to the opening. The door shall be flush fitted to the opening and have uniform gap spacing around the perimeter of the door. The door shall be finished on both sides with the same-colored mica as the cabinet face.

Bidder Complies YES _____ NO _____

DOOR EDGE FINISH: The edges of the aforementioned door(s) shall be covered with anodized aluminum, U-shaped trim. The trim shall be miter cut and wrapped around the perimeter of the door (On ALL four sides), including the hinged side. The trim shall be bonded to the door edge and clamped. No screws or other mechanical fastener shall be used to fasten the trim work to the door(s). The corners of the doors shall be broken (rounded) after application. Vinyl "Iron on" or mica edge banding is not acceptable.

Bidder Complies YES _____ NO _____

HINGE ORIENTATION: The aforementioned door shall be hinged along the bottom edge of the door.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A black positive latch shall be supplied and installed on the cabinet door. A small "preload" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a black lever latch, indicating its ability to restrain 8 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

BIO-WASTE RECEPTACLE No 1: The receptacle shall accommodate a sharps container and a solid waste container per the following paragraphs. Both the sharps and the solid waste containers shall be attached to a

tilt-out door, utilizing an aluminum bracket designed to support the bottom of both containers. A white colored "Bio-waste" symbol and legend shall be applied to the aforementioned door.

Bidder Complies YES _____ NO _____

NON-LOCKING LATCH: A round pull style chrome positive latch shall be supplied and installed on the cabinet door. A small "pre-load" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES _____ NO _____

STOWAGE LABEL: A label shall be applied for any door, drawer, or other stowage area secured by a Round Southco latch, indicating its ability to restrain 10 pounds of contents within the stowage area. This latch has been tested and is compliant within the requirements of SAE J3058 as required under Federal specification KKK-A-1822F section 3.11.3.

Bidder Complies YES _____ NO _____

SHARPS CONTAINER: A puncture proof, disposable sharps container located at the head of the squad bench with a 2-gallon capacity shall be supplied for safe disposal of used/contaminated syringes.

Bidder Complies YES _____ NO _____

BIO-WASTE LOCATION: The primary biological waste receptacle shall be supplied and installed in the wall cabinet, rearward of the CPR seat.

Bidder Complies YES _____ NO _____

WASTE CONTAINER: One eight 1/8 quart (462 cubic inch), rimmed plastic waste container shall be supplied and fitted to the aforementioned "Bio-waste" enclosure. The waste container shall accommodate solid waste into disposable, red colored "Biological waste" liners. The "waste" and the "Sharp object disposal (Sharps)" containers shall be two separate receptacles, located adjacent to the other. The waste containers' material shall withstand strong disinfectant cleaners.

Bidder Complies YES _____ NO _____

CPR SEAT: A left side "CPR" side seat shall be provided on the street side and aligned with the primary patient's abdomen. The seat shall be at least twenty-four (24") inches wide and normal squad bench seat height. Upholstered seat pads shall be located within the seat area for the seat, back, both arms and hips. The CPR seat area shall have rounded corners.

Bidder Complies YES _____ NO _____

BACK REST: The CPR side seat shall feature a padded, fixed back rest with chamfered upper corners.

Bidder Complies YES _____ NO _____

RESTRAINT SYSTEM(S): There shall be installed a REV Per4Max restraint system harness at each seating location declared. This seating harness system shall incorporate a four-point harness of two shoulder belts with retractors and two stationary lap belts that intersect to a single high function ergonomic latch. The harness shoulder belts shall incorporate innovative technology through patent pending controlled deceleration technology which softens the impact of a crash on the EMSP user. The seat belt harness also incorporates an indicator that alerts the operator when it requires replacement. The color of the seat belt system shall be black. This seat belt system shall meet current FMVSS safety standards.

Bidder Complies YES _____ NO _____

The Per4Max Seat Belt System(s) shall be in the following locations:

RESTRAINT SYSTEM(S): The rear seating locations shall consist of the Per4Max 4-Point restraint system. The Per4Max Advanced Restraint System is a "Vehicle mounted" 4-Point restraint system dispersing loads to 4 points of reinforced structure within the vehicle as opposed to concentrating loads on the seat frame. It promotes a seated position with a wide range of mobility. The seated position in conjunction with the seat system, has been proven to be safer than isolated standing positions in a moving vehicle. As well it is easy to use encouraging greater use in the field than more cumbersome systems involving additional latches, levers, and cables. The seatbelt harness shall incorporate an indicator of contrasting color when the seatbelt has been involved in a high impact condition to indicate need for replacement. These seatbelts are FMVSS applicable tested and approved.

There shall be two Per4Max restraints on the Squad Bench and one Per4Max restraints on the CPR Side Seat.

Bidder Complies YES _____ NO _____

SECONDARY PATIENT RESTRAINT SYSTEM: There shall be a location for a secondary patient on top of the squad bench located on the curbside interior of the patient area of the ambulance. To secure the patient there shall be three inertia style retractable straps that match up to three 9" sleeved buckles on the face of the squad bench and 5" sleeved retractors by the squad bench lid hinge. The straps and buckles shall be mounted to comply with the pull test requirements in the present revision of KKK-A-1822.

Bidder Complies YES _____ NO _____

FLOOR AND SUBSTRATE: The underlayment shall be Thermo-Lite Board Tough, made with a medium weight woven fiberglass lay-up, this product is acceptable for standard structural load applications. The material density shall be 40 lbs. per cubic feet for the 3/4" thickness material used for underlayment application. The material is a unique closed cell, lightweight composite product, manufactured with cross-linked polymer foam and fiberglass, that offers high specific strength and toughness. The non-absorbent material is extremely durable, provides an excellent bonding surface, has good impact strength, sound, and thermal insulation, and is resistant to contamination.

Bidder Complies YES _____ NO _____

FLOOR COVERING: The flooring material shall be commercial grade sheet floor. No substrate seams are allowed in high foot traffic areas. This means NO SEAMS are permitted within 132" of the rear access doors or near the side access door. The core of the flooring shall be the same color as the surface. The floor covering

shall be one piece throughout the patient cabin regardless of the body length. The floor covering shall be Lonseal Londeck Ridgeline #801 Smokey Black.

Bidder Complies YES _____ NO _____

FLOORING MAIN EDGE: The one-piece patient cabin floor covering material shall run the full width of the aisle space plus roll up (3") three inches along the Base wall cabinet, squad bench and the right rear cabinet (when applicable). Both roll-up areas shall be recessed approximately 1/2" into the face of the cabinets.

Bidder Complies YES _____ NO _____

REAR THRESHOLD: The rear threshold shall be made of 16 gauge brushed stainless steel sheet. The threshold shall conceal the end of the vapor sheet, sub floor, and flooring. The threshold shall mate to the top of the rear access door jamb and cover at least six inches of flooring. Installed over the stainless-steel threshold shall be two 2.5" wide "nonskid" tape, strips applied. The color of the tape shall be safety yellow with black diagonal stripes.

Bidder Complies YES _____ NO _____

C/S THRESHOLD: The C/S threshold shall be made of .100 polished aluminum diamond plate.

Bidder Complies YES _____ NO _____

COT MOUNT HARDWARE: Install Customer supplied Stryker #6390 Power Load system

PRIMARY COT MOUNT: Prep for main cot mount, install support plate in floor, Cot mount shall be Customer/Dealer Supplied Stryker model No 6390 Power Load System.

COT FASTENER MOUNTING METHOD: All mounting bolts shall be 3/8" diameter, socket head cap screws with at least 16 threads per inch. All mounting blocks shall be supplied and manufactured by the cot mount manufacturer. The mounting blocks may protrude above the flooring surface by up to 3/16", as long as all of the edges are chamfered. The aforementioned cap screws shall not protrude above the upper surface of the mounting block.

All cap screws shall be through bolted through 1/2 (.500) inch thick, 6061-T-6 Aluminum plate structure. One and one half (1-1/2) inch x six (6) inch thick plates shall either be MIG welded, or Chuck structurally fastened to the floor grid for both cot mount and attendant seat fastening locations. All fastening hardware shall be either through bolted or tapped depending on under floor clearances due to chassis installed components. Mounting bolts shall not point toward fuel filler or fuel vent hoses, in accordance with good engineering practices set forth by the Society of Automotive Engineers and Ford's Qualified Vehicle Modifiers' program.

Bidders shall meet or exceed mechanical strength described in the aforementioned minimum fastening method. Material thickness and/or through bolt criteria is mandatory even if the vendor has current certification to A.M.D. Standard 004 utilizing lesser materials.

Bidder Complies YES _____ NO _____

12v power feed location FRONT for Stryker power load 6390

The 12-volt feed will be drilled and fed through the template FRONT hole for a Stryker power load system. The 12volt power shall be brought through the floor, with Heat shrink connectors installed.

Bidder Complies YES_____NO_____

COT POSITION No 1: This cot position shall be set up for a primary wheeled cot set centered laterally (side to side) in the aisle. The longitudinal location shall be set 30 inches measured from the backrest of the attendant's seat (set all the way toward the front of the patient cabin) to the head of the primary cot frame, per current KKK-A-1822.

Bidder Complies YES_____NO_____

PRIMARY COT POSITION REINFORCEMENT: There shall be a singular piece of aluminum reinforcement installed running the length of the primary cot position in the modular ambulance. It shall be secured to the modular tubes by welding or Huck fasteners.

Bidder Complies YES_____NO_____

PRIMARY COT: The aforementioned cot fastener shall be set up to use a Stryker Model No. Power-Pro Cot.

Bidder Complies YES_____NO_____

COT HOOK: A Stryker Cot hook for the power load system of solid aluminum shall be through bolted to the power load system near the rear access doors. The design intent is to prevent accidental cot roll off during loading and unloading a one-man cot. The hook shall snag a tubular drag bar that is built into the cot frame. The cot hook shall be placed in a position where the under carriage of the cot can be erected and locked into place before release of the drag bar.

Bidder Complies YES_____NO_____

OXYGEN, AIR and VACUUM SYSTEMS

OXYGEN HOSES: All oxygen system service hoses, fittings and devices shall be made of nonferrous materials. Hoses used to pipe Medical Oxygen shall be electrically non-conductive, ¼ inside diameter with an abrasion resistant, green colored outer jacket. The hose manufacturers name, part number, inside dimension and working pressure rating shall be permanently marked along the entire length of the hose. All hoses shall have a working pressure rating of at least 250 pounds per square inch, withstand a system test pressure of 150 PSI / 1033 kPa test prescribed in current Federal specification KKK-A-1822. Each ambulance shall be tested.

Bidder Complies YES_____NO_____

OXYGEN OUTLETS - GENERAL: Each outlet shall be comprised of an "Inlet Box" and a "Latch Plate" as defined herein. The "inlet box" shall be a universal inlet service box with a 165 mm type "K" (3/8") OD Copper inlet pipe stub which is silver brazed to a brass, one piece, (1 5/16") inlet body. The "inlet box" shall be

designed specifically for positive pressure gas service and feature a primary and secondary check valve. Each check valve shall be rated at 1,379 kPa (200psi).

The "Latch Plate" shall insert into the universal "Inlet Box". The "Latch Plate" is comprised of the outer cover plate and latching mechanism that will define the adapter type/Brand that will ultimately connect the patient to the oxygen system. The outlet cover shall be color coded GREEN in addition to having a clear permanent legend that identifies the gas type. Dual gas specific safety pins shall be integrated in the face of the outlet "Latch Plate" for safety.

Outlet adapter types shall be easily changed by simply removing the "Latch plate" specifically designed for brand "A" to brand "B" without any further plumbing changes.

As with all medical gas outlets specified herein, all outlets shall be hydrostatically tested and cleaned for oxygen service. All medical gas outlets specified herein shall be UL (Underwriters Laboratory) listed and CSA approved. All outlets will be subject to a line pressure of 50 PSI And shall be leak tested at 150 PSI Per Federal specification KKK-A-1822. Pressure drop across the outlet shall be less than 2.0 PSI At normal working pressure.

Bidder Complies YES _____ NO _____

OXYGEN OUTLET No 1: This outlet latch shall be designed to accept (Ohio) style, quarter turn / quick release adapters. This Oxygen outlet shall be provided where specified below.

Bidder Complies YES _____ NO _____

LOCATION: The Oxygen outlet shall be located in the primary action area switch and outlet console.

Bidder Complies YES _____ NO _____

OXYGEN OUTLET No 2: This outlet latch shall be designed to accept (Ohio) style, quarter turn / quick release adapters. This Oxygen outlet shall be provided where specified below.

Bidder Complies YES _____ NO _____

LOCATION: The Oxygen outlet shall be located in the primary action area switch and outlet console.

Bidder Complies YES _____ NO _____

OXYGEN OUTLET No 3: This outlet latch shall be designed to accept (Ohio) style, quarter turn / quick release adapters. This Oxygen outlet shall be provided where specified below.

Bidder Complies YES _____ NO _____

LOCATION: The Oxygen outlet shall be located in curb side wall, over the squad bench and near the curbside entry door.

Bidder Complies YES _____ NO _____

PORTABLE CYLINDER BRACKET No 1: A Cast Products Inc Duramount model OA1205-D-1 Dual D bracket of polished aluminum with certifications passing SAE J3043 testing as required by KKK-A-1822F change notice 10 shall be installed in the location specified below. This portable cylinder rack shall be supplied and installed to accommodate two cylinder. The bottle rack shall accommodate D-size cylinders up to 4.3 inches in diameter. The entire rack shall be constructed of heavy gauge aluminum alloy. The rack design shall include an aluminum neck yoke with rubber padding. An integrated and factory installed spring tension clamp system shall retain the bottle at the neck with single neck release lever present to release the bottle. The rack shall be through bolted to reinforced, structural members or brackets that tie in directly to the body of the ambulance. The bracket shall accommodate all in one regulators.

Bidder Complies YES _____ NO _____

MAIN CYLINDER RESTRAINT No 1: One agency supplied compressed, medical gas cylinder shall be carried and secured, vertically inside the left front exterior compartment. A bracket shall be firmly bolted to the back wall of the compartment that allows for an Aluminum laser cut and multi-bend engineering bracket to be installed in either an M or H tank height setting. The bracket features pass thru holes for four (4) heavy duty ratchet style, web straps. The Entire system has been tested to the latest revision of SAE relevant testing and passed. The cylinder valve shall also be visible and accessible from the inside through a clear polycarbonate door.

Bidder Complies YES _____ NO _____

CYLINDER TYPE: This rack shall be for a MEDICAL OXYGEN cylinder. The oxygen system input hose shall be suspended over this rack. This input hose shall feature a nonferrous 9/16-18 RH bottle nut and regulator barb. This connection shall comply with the diameter index safety system (DISS) set forth by the Compressed Gas Association (CGA) for safety.

Bidder Complies YES _____ NO _____

CYLINDER RACK LOCATION: The main oxygen cylinder shall be stored in the left front compartment. The cylinder rack shall be through bolted on the back wall, near the right-hand wall of the compartment. The cylinder neck shall be visible and accessible through the viewing window.

Bidder Complies YES _____ NO _____

M SETUP: The oxygen retention bracket shall be set for an "M" size steel or aluminum cylinder.

Bidder Complies YES _____ NO _____

OXYGEN REGULATOR: A fixed output medical regulator shall be supplied with the apparatus and installed at the time of the oxygen system pressure test. With the regulator set at 50 +/- 5PSI, a 100 LPM minimum flow rate shall be available at all oxygen outlets. The regulating valve with inlet filter shall have a line relief valve set at 200 PSI maximum. A manual gauge shall be affixed to the regulator with scale graduated in not more than 100 PSI increments. The output of the regulator may vary as the tank pressure lowers or flow rate is changed. The regulator shall have a CGA 540 thread for the bottle and a 9/16- 18 tpi threaded male connector

for the input hose to the system. This regulator shall perform as required at an inlet pressure range from 150 PSI to 2600 PSI tank pressure.

Bidder Complies YES _____ NO _____

REGULATOR WRENCH: There shall be a cast aluminum main oxygen cylinder wrench installed in the compartment with the main oxygen cylinder rack. The wrench shall include a cable lanyard that secures the wrench to the compartment wall allowing enough length of cable to loosen and tighten the regulator fitting on the customer installed main oxygen cylinder. The wrench shall be stored in place with either a hat channel bracket or Velcro to keep it secured while the vehicle is in motion.

Bidder Complies YES _____ NO _____

ELECTRONIC OXYGEN SYSTEM SHUT-OFF: An oxygen shut off valve shall be supplied and installed on the "Low pressure" side of the oxygen system. The design intent is to shut off the flow of oxygen to the oxygen outlets when the outlets are not in service. This shall eliminate oxygen loss at the Outlets, even if the user does not shut off the main valve located on the tank. The oxygen outlets shall be supplied with oxygen when a 12-volt switch labeled "Electric O2" is switched into the ON position. The switch shall send voltage to a solenoid valve with a 100% duty cycle rating. The valve body shall be made of a nonferrous metal and shall be cleaned for medical oxygen use. Oxygen shall flow through an orifice with a minimum diameter of 0.156 (5/32) inch. If the valve design is sensitive to flow direction, then the input and output ports shall be clearly and permanently marked by the solenoid valve manufacturer.

MANUAL BY-PASS: A manual fail safe bypass circuit, built into the solenoid valve body. Access to this circuit shall be made with a control knob that is clearly marked on the attendant control panel. The manual bypass control knob shall turn one half turns or less to open the valve completely.

Location: In Action Area

Bidder Complies YES _____ NO _____

SCBA BOTTLE BRACKET: One SCBA (Self Contained Breathing Apparatus) bottle bracket shall be installed in the location described below. The bracket shall be NFPA compliant. The bracket shall feature two spring clips and an L-shaped wall bracket that forms a support for the bottom end of the (customer supplied) cylinder. A ZICO model UN-6-30-2-SF "Walkaway" bracket shall be supplied. Alternate brackets may be considered if they can show NFPA compliance and survive a 50,000 cycle install and release test and still show little wear on the clip or the test cylinder. ZICO bottle clips are double coated with a non-marring, high build polymer coating. The clips shall also feature rounded corners and out turned ends to eliminate dig in on the surface of the (customer supplied) cylinder.

Bidder Complies YES _____ NO _____

COLLISION RESTRAINT STRAP: The above ZICO SCBA Bracket shall feature a ZICO part No 1010-20-000 collision restraint strap that complies with NFPA 1901-96, section 10.1-6. The strap shall be capable of holding the (customer supplied) SCBA bottle in place during a 20G force crash test.

Bidder Complies YES _____ NO _____

LOCATION: The SCBA bottle bracket shall be bolted to the trailing compartment door of the left front middle compartment. The compartment door shall feature added tapping plates to secure the bracket to the door. Fastening the bracket to the inside door panel alone is not acceptable and is not NFPA compliant.

Bidder Complies YES _____ NO _____

VACUUM (SUCTION) PANEL: A variable vacuum regulator and gauge panel shall be installed in the action area control panel. The vacuum regulator shall vary vacuum delivered to a 1200 cubic-centimeter collection jar specified below. The Vacuum gauge shall not be mounted on the collection jar itself.

Bidder Complies YES _____ NO _____

COLLECTION JAR: The suction system shall be equipped with a shatter proof, graduated, 1200cc, transparent collection container. The container shall be regulated through the Sscor panel and installed per manufacturers recommendations. The collection jar shall be retained by a SSCOR retention clip. The retention bracket when installed per directions is SAE J3043 retention testing compliant.

LOCATION: In Action Area, to the left of A/A console box.
with SSCOR canister retention clip

Bidder Complies YES _____ NO _____

COLLECTION JAR PLUMBING: The collection jar shall be connected directly to the regulator panel in the action area console.

Bidder Complies YES _____ NO _____

SUCTION PUMP: The suction pump shall be installed in the left middle compartment, adjacent to the action area panel. The exhaust tube shall be routed to the outside of the vehicle. The pump shall be mounted on rubber vibration isolators to minimize any vibration noise emitted into the patient cabin. The pump shall provide a free air flow of at least 20 liters per minute and achieve a minimum of (11.81 in) Hg vacuum within four seconds after the suction tube is closed. This 49-state pump shall meet or exceed current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

SUCTION PUMP LOCATION: The suction pump shall be installed in the left front middle compartment. The pump shall be mounted to the ceiling of this compartment on rubber vibration isolators.

Bidder Complies YES _____ NO _____

EQUIPMENT HOOKS: There shall be two (2) Ferno Washington model #559 hooks installed to hold equipment stored by this agency. The placement of the hooks shall be determined at the post award conference.

- (1) M-2, Wall #1 for turn-out gear
- (1) M-2, Wall #3 for turn-out gear

Bidder Complies YES _____ NO _____

FIRE EXTINGUISHER: One (5) five-pound A-B-C type fire extinguisher shall be installed in customer specified location.

Bidder Complies YES _____ NO _____

FIRE EXTINGUISHER: One additional (5) five-pound A-B-C type fire extinguisher shall be Installed at a location as determined by the agency and denoted on the work order.

Bidder Complies YES _____ NO _____

EXTERIOR ENTRY AND COMPARTMENT DOOR HANDLES: Large chrome plated, die cast paddle handles shall be provided to open all module doors. Blind fasteners shall be used to fasten the handles to the door from the backside. Blind Stabilizer pins shall be incorporated on the backside of the handle for alignment purposes. Every paddle handle shall have an isolation gasket between the paddle body and the door skin. All door skin surfaces shall be painted prior to installation of the handle hardware. All paddles, on single hung and leading double doors shall be locking type and keyed the same. Trailing doors shall: have non-locking paddle handles, mounted on the outside of the door. The Handle shall have a bright chrome like finish mounted into the bright chrome dish. When the door is in the locked position, the handle shall extend when pulled like an automotive handle (free floating) to show the operator that the door is locked and needs to be unlocked to be opened. Systems that utilize a handle that does not free float shall not be accepted as it could bind up the inner hardware and shorten the life of the door operation and timing.

INTERIOR ENTRY AND COMPARTMENT DOOR HANDLES: The interior handle shall be lever type. A Lock/Unlock lever shall be installed below the inside lever handle and be clearly marked Lock/Unlock. The inner chrome plated handle shall have a black powder coated cast aluminum bezel for strength. There shall be no plastic parts utilized in this installation.

Bidder Complies YES _____ NO _____

EMERGENCY INTERIOR LATCH RELEASE: There shall be a red tipped lever to activate a rotary latch at both the top and bottom interior of each patient access door. These shall be used should the door rods become unattached from either the handle or latch assembly. The mechanisms shall be at the point of latching to the Nader pin. An inserted rubber bezel shall be installed into the door panel around the release lever to provide an aesthetic trim to the opening.

Bidder Complies YES _____ NO _____

ENTRY DOOR PANELS / WINDOWS / HARDWARE

INTERIOR GRAB HANDLE COLOR: The interior grab handles listed below will be powder coated with anti-microbial, gray in color.

Bidder Complies YES _____ NO _____

CURB SIDE ENTRY DOOR GRAB HANDLE: The curbside entry door shall be equipped with a two point, 1 ¼ diameter, stainless steel with gray anti-microbial coating, handicap style grab handle to aid in door closure and entry assistance. The handle shall measure at least eighteen inches long. The handle shall run horizontally, directly above the inside door latch. The door handles shall be fastened directly to the horizontal door structure that is welded to the door assembly.

Bidder Complies YES _____ NO _____

REAR ACCESS DOOR GRAB HANDLES: Each rear access door shall be equipped with a two point, 1 ¼ diameter, stainless steel with gray anti-microbial coating, handicap style grab handle to aid in door closure and entry assistance. The handle shall measure at least twelve inches long.

The handle shall run horizontally, directly above the inside door latch. The door handles shall be fastened directly to the horizontal door structure that is welded to the door assembly.

Bidder Complies YES _____ NO _____

ENTRY DOOR PANELS: All UPPER and LOWER entry door panels shall be color matched Mica laminate over a smooth aluminum substrate. The center panel shall be upholstery over a smooth aluminum substrate.

Bidder Complies YES _____ NO _____

REAR ENTRY DOOR WINDOWS: Will have an automotive style window. The window will be recessed in a factory stamped opening. The windows will be near flush. They will be in a fixed position. The window shall have a special coating applied which allows for a default fogged effect. When minor current is applied, the window shall transition to clear. Each window will have a nominal area of 320 square inches.

Bidder Complies YES _____ NO _____

SIDE ENTRY DOOR WINDOW: The curb side (Right) entry door shall be equipped with an automotive style window. The window will be recessed in a factory stamped opening. The window will be near flush. The window shall have a special coating applied which allows for a default fogged effect. When minor current is applied, the window shall transition to clear. Window will be fixed position. All glass shall be tinted safety glass.

Bidder Complies YES _____ NO _____

AUTO SHADE INVERTER: An inverter shall be installed to convert the vehicles 12v power to the appropriate voltage as needed to power the auto shade windows to a clear condition.

Bidder Complies YES _____ NO _____

MODULE ENTRY DOOR INSULATION: Module entry doors shall have 0.1875-inch-thick mass loaded acoustical ethylene vinyl acetate material attached to the inside surface of the exterior skin to provide a noise reduction of 75%. There shall be 2-inch-thick moisture resistant hydrophobic, micro-porous, polymeric substance adhered to the ethylene vinyl acetate material to provide added DB absorption and a minimum R rating of 11. The insulation shall be fitted tightly against the structural members to maximize R-value

effectively. Gap spacing round each cell within the structure grid and the block foam shall not exceed 1/16". A layer of 0.250-inch-thick foil encapsulated micro-cellular closed-cell polyethylene with an R rating of 7.75. There shall be a minimum air gap of 0.5 inch between the inner most foil surface and the doors interior surface materials. Insulation shall not interfere with door latch hardware. The total R value of the module entry doors must be greater than or equal to 12.

Bidder Complies YES_____NO_____

MODULE ENTRY DOOR SOUND PROOFING: Module entry doors shall have 0.1875-inch-thick mass loaded acoustical ethylene vinyl acetate material attached to the inside surface of the exterior skin to provide a noise reduction of 75%.

Bidder Complies YES_____NO_____

ASSIST RAIL: This rail shall be naturally accessible to assist persons entering the rear of the module in maintaining their balance. The rail shall be 1 ¼ diameter, 100% stainless steel with gray anti-microbial coating and 18" long. All rail fittings shall be TIG welded to the main rail. The rail shall be located prior to order confirmation. Grab rails that utilize separate, setscrew rail fittings are not reliable and not acceptable.

Bidder Complies YES_____NO_____

TALK THROUGH WINDOW: The Cab to Module communications window shall be provided.

Bidder Complies YES_____NO_____

LOCKING PIN: The sliding cab to patient area window shall have a locking pin consisting of metal 1/4" pin with a lanyard retainer to keep from losing the pin when not latched. The pin shall be from the driver's side of the window. The pin shall meet or exceed current Federal specification KKK-A-1822.

Bidder Complies YES_____NO_____

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

Bidder Complies YES_____NO_____

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

Bidder Complies YES_____NO_____

SPACE ALLOCATION AT ACTION AREA: There shall be space allocated on the action area board within reach of the attendant for a customer communication radio to be installed. This space allows for a recessed full body radio head.

Bidder Complies YES_____NO_____

"DAY BRIGHT" LIGHTING: The interior of the cabinets noted below shall be illuminated with White LED flat rope lighting and shall be recessed into the backside of the cabinet perimeter aluminum tracking. The lights must be in the front of the cabinet shining towards the backside of the cabinet in order to see what is in the cabinet without the light being blocked by the components stored in the cabinet. The idea is to illuminate the interior of the cabinet and not to shine outward toward the personnel looking inside the cabinet. There shall be a switch in the patient compartment switch panel to turn the light(s) on and off as desired by the crew.

Bidder Complies YES _____ NO _____

Daybright Cabinet light location 1:
Daybright Lighting will be installed in Cabinet B

Daybright Cabinet light location 2:
Daybright Lighting will be installed in Cabinet D

Daybright Cabinet light location 3:
Daybright Lighting will be installed in the cabinet over the CPR Seat.

Daybright Cabinet light location 4:
Daybright Lighting will be installed in Cabinet E

Daybright Cabinet light location 5:
Daybright Lighting will be installed in Cabinet I-1

Daybright Cabinet light location 6:
Daybright Lighting will be installed in Cabinet K-1

Daybright Cabinet light location 7:
Daybright Lighting will be installed in Cabinet K-2

Daybright Cabinet light location 8:
Daybright Lighting will be installed in the lower pass-thru cabinet.

Daybright Cabinet light location 9:
Daybright Lighting will be installed in Cabinet I-2.

Daybright Cabinet light location 10:
Daybright Lighting will be installed in Cabinet I-3.

ACTION AREA LIGHTING: A 12-volt LED light shall be provided directly over the forward, street side work surface. A 12-inch swivel fixture shall be provided. The light shall have an on/off rocker switch on the body of the light housing.

Bidder Complies YES _____ NO _____

LOCATION: The light shall be mounted above the action area.

Bidder Complies YES _____ NO _____

UPHOLSTERY MATERIALS: All padding and upholstered seating shall be covered in 56-ounce vacuum form ready vinyl. Sewn seams in the seat covers and cushions shall be minimized. Upon request, the manufacturer shall be capable of supplying vacuum formed, seamless vinyl covered upholstery. The color shall be color keyed to the laminate color selections made.

SEAT / BACKREST CORE MATERIAL: The vinyl covered foam shall meet current Federal Specification KKK-A-1822. Seat cushions shall be ergonomically contoured. All core material shall be open cell, high resilience foam.

Bidder Complies YES _____ NO _____

UPHOLSTERY COLOR: All padding and upholstered seating shall be covered in 56-ounce vacuum form ready vinyl per the specification. The color of the vinyl shall be Gunmetal Dark Gray.

Bidder Complies YES _____ NO _____

TROUGH COVER: All upholstered pad that is built to cover the trough running down the center line of the vehicle separating the curbside and streetside of the patient compartment shall be manufactured of 1/4" non-voided substrate with padding and covered with 56-ounce vinyl. The color of the vinyl shall be the same as the remainder of the upholstery in the patient area. The cover shall be fastened to the headliner using stainless steel screws with washers that will accept button covers that are color matched to the trough cover.

Bidder Complies YES _____ NO _____

UPHOLSTERY JOINERY TYPE: All padding and upholstered seating shall feature upholstery covered foam that eliminates sewn, visible seams. All cushion corners shall be vinyl wrapped. NO sewn seams are permitted, even at the corners. Seat cushion vinyl shall be pre-formed to the cushion shape to eliminate ALL visible seams. Seat cushions with welting/piping and sewn corner seams are not acceptable since blood and other liquid form biological discharge can penetrate the seam holes and reside in the foam. All vinyl surfaces shall be pulled tight against the foam, utilizing a high-density substrate backing board. Loose fitting vinyl coverings are not acceptable.

Bidder Complies YES _____ NO _____

FULL CUSHIONS: The post and wheel cups normally placed on the squad bench for secondary stretchers shall be DELETED in favor of full seat cushions without cutouts. The seat cushions shall be the same size as the squad bench lid and WITHOUT cutouts. The user chooses to use a backboard in lieu of a stretcher for a secondary patient.

Bidder Complies YES _____ NO _____

HEAD PROTECTION - CURB SIDE ACCESS DOOR: A seamless pad specifically designed to protect the head during egress is required. The pad shall consist of a two-inch thick foam sheet over a high-density substrate backing board and covered in seamless vinyl upholstery.

Bidder Complies YES _____ NO _____

HEAD PROTECTION - REAR ACCESS DOORS: A seamless pad specifically designed to protect the head during egress is required and shall comply with current Federal Specification KKK-A-1822. The pad shall consist of a two-inch thick foam sheet over a high-density substrate backing board and covered in seamless vinyl upholstery.

Bidder Complies YES _____ NO _____

PAINT

100% PAINT FILM COVERAGE: All stages of primer and paint shall cover all surfaces. Hinge mating surfaces on the doors and jambs shall be painted. Bare aluminum and primer only preparation is not acceptable under door hinges. Doors shall be painted without actuation handles installed and doors removed from body. Paint film thickness to be no less than 4.1 mil thickness.

PAINT SYSTEM TYPE: The paint shall be Poly-Urethane type electrostatic application process without exception.

An electrostatic paint spray system is a highly efficient technology for the application of paint to specific work pieces. Negatively charged atomized paint particles and a grounded work piece create an electrostatic field that draws the paint particle to the work piece, minimizing over spray.

For this technology, an ionizing electrode, typically located at the paint gun atomizer tip, causes paint particles to pick up additional electrons and become negatively charged. As the coating is deposited on the work piece, the charge dissipates through the ground and returns to the power supply, completing the circuit. The electrostatic field influences the path of the paint particles. Because the charged particles are attracted to the grounded work piece, over spray is significantly reduced. Paint particles that pass a work piece can be attracted to and deposited on the back of the piece. This phenomenon is known as "wrap."

MECHANICAL ADHESION PROMOTER: The entire module shall be degreased. Degreaser shall be applied to manufacturers recommendations. The module body is to be inspected for flaws and imperfections, and to assure built to order specifications. All surfaces shall be initial sanded with 180 grit paper and all imperfections repaired.

CHEMICAL ADHESION PROMOTER: The module shall be hot-water washed at (140 degrees or greater). Then the aluminum Body shall be treated with Alumiprep 33 acid etching followed by a complete De-ionized body rinse. To ensure all surfaces are cleaned, this step shall be repeated a second time. The entire unit shall be wet coated with Alodine 5700 conversion coating, and de ionized water mixed. The module body is baked at 160 degrees to dry.

PRIMER: The module shall then have 2 coats of epoxy primer. The unit is then baked at 140-degree metal temperature for one hour. The module body will then undergo any bodywork or filler that is required at transition(s). A third coat of epoxy primer is applied and cured. The module body will then be final sanded prior to Paint color application. Primer shall be sanded with 320 grit paper to assure flat, orange peel free surface.

TOP-COAT (PAINT): Entire module shall be degreased. Degreaser shall be applied to manufactures recommendations. Two coats of BTLV High Solids color shall be applied.

CLEAR COAT: The clear coat shall be manufactured by the same company as the primer and base coat. Two coats of "clear coat" polyurethane shall be applied per the manufacturer's instructions.

3M POLISHING SYSTEM: Prior to 100% paint cure, the paint on the ambulance body shall be sanded to 1200 grit and polished flat per 3Ms Perfect-It product program for smooth finish.

Bidder Complies YES _____ NO _____

CORROSION: Anti-electrolysis procedures include but are not limited to the following.

- 1) Ensure all bare substrate is dry and free from contamination.
- 2) If bare substrate is showing signs of corrosion/oxidation, sand and remove. Use 180 grit until area is removed.
- 3) Thoroughly blow off areas to remove sand dust and metal shavings.
- 4) Thoroughly degrease to be pre-primed using the wipe-on, wipe-off method with clean white rags. (Use good quality automotive Degreaser)
- 5) Apply Wash primer CR using a brush to all mated surfaces. Allow to flash for 15 minutes at 70 deg F. Mix wash primer CR 1:1 with wash-hardener.
- 6) Apply Urethane caulk to all mated surfaces before assembly to reduce the possibility of corrosion.

EXTERIOR FASTENERS: All screw sites require a replaceable nylon insert for the fastener to thread into. This will isolate the dissimilar metals. Each hole shall be treated with an Electrolysis Corrosion Control compound prior to installation of the nylon inserts. All exterior screws shall be stainless steel.

PAINT WARRANTY: The conversion paint shall be warranted to the original owner for a period of 7 years, 70,000 miles. The color shift shall be no greater than Delta E of 4.0 with minimum gloss retention of 60 gloss units at twenty-degree angle. Warranty to include a 36-month Corrosion coverage with no exclusions.

Bidder Complies YES _____ NO _____

UNDERCOATING: The bottoms side of the module shall be undercoated, with an exception to any area affected by exhaust system direct heat. Application standards for the undercoating shall be achieved or exceeded as directed by QVM or governing standards.

Bidder Complies YES _____ NO _____

REFLECTIVE TAPE: The module door frames shall have a three-quarter inch (3/4") wide white reflective tape applied to the door frame interior. The tape shall reflect direct light at night to illuminate the outline shape of the door when the door is opened.

Bidder Complies YES _____ NO _____

MAIN BODY COLOR: The main body color shall be oxford white (Ford YZ). The paint finish shall be laid onto the body in a flat, orange peel free, mirror like shine on all four sides.

Bidder Complies YES _____ NO _____

PAINT LOWER HALF OF BODY & CAB/CHASSIS RED: Paint the lower half of both the body and the F450 cab/chassis red from the cab windowsill down similar to the photo on file.

Upper Section of The Cab and Module to Be O.E.M. White.

Lower Section of The Cab and Module to Match DuPont Imron Red #51078U. Paint Break to Be Just Under Cab Windowsills. Taper Down Towards Front of Fenders.

Cab Hood to Be White

Bidder Complies YES _____ NO _____

REFLECTIVE / PRISMATIC TAPE: The aforementioned center step shall have a bright, conspicuous prismatic, reflective tape strip applied the rearward facing edge of the step. The tape shall have alternating colors (Red and White). The tape color shall begin and end in Red, and each segment shall measure between seven and nine inches.

Bidder Complies YES _____ NO _____

ROOF PAINT: Color match to sides, top finish to exceed industry standard of 5 plus mill thickness.

Bidder Complies YES _____ NO _____

LETTERING: All lettering on exterior of module shall be installed by the dealer/customer.

Bidder Complies YES _____ NO _____

LETTERING & GRAPHICS: To be installed locally by the ambulance dealer for ease of future replacement.

24 k gold leaf lettering w/ outline and drop shadow.

6-inch reflective stripe

½-inch gold leaf stripe

KKK package w/ door seals

Rear chevron 6-inch red on white Diamond Grade

To match the current Storm Engine Company Ambulance

DRIP RAILS: A bright drip rail shall be provided over each compartment. Full height compartments are exempt because the perimeter roof rail drip rails will cover these compartments.

Bidder Complies YES _____ NO _____

DRIP RAILS: A bright drip rail shall be provided over each compartment. Full height compartments are exempt because the perimeter roof rail drip rails will cover these compartments.

Bidder Complies YES _____ NO _____

OWNER'S MANUAL: There shall be shipped loose with each completed unit a card with USB flash data file with pertinent information from the build of the vehicle.

Bidder Complies YES _____ NO _____

AMBULANCE MARKING PACKAGE: The vehicle shall be supplied with a lettering and "star of life" symbol decal package as described in current Federal specification KKK-A-1822. The "ambulance marking package" is to be shipped loose with the vehicle. The "star of life" symbols shall meet Figure 4 required by KKK-A-1822.

Bidder Complies YES _____ NO _____

ROOF STAR OF LIFE: There shall be installed on the module roof a reflective star of life symbol large sized.

Bidder Complies YES _____ NO _____

SAFETY PLACARDS: There shall be installed in the chassis cab and patient area descriptive placards in durable materials to remind occupants to fasten seatbelts and to refrain from smoking.

Bidder Complies YES _____ NO _____

MANUFACTURER LOGOS: There shall be self-adhesive logos provided and installed for the unit.

Bidder Complies YES _____ NO _____

REFLECTOR PACKAGE: Six reflectors shall be supplied on the outside of the module body. The reflectors shall be located at skirt line level and the area size shall be at least 3.75 square inches. Each side shall have one AMBER forward reflector and one RED rearward reflector. The rear of the body shall have one RED reflector per side, located just above the diamond plate kick plate.

Bidder Complies YES _____ NO _____

CONVERSION WARRANTY: 7 Year, 70,000 mile Mechanical & Electrical including Workmanship.

Bidder Complies YES _____ NO _____

7 Year, 70,000-mile Standard Paint Warranty.

Bidder Complies YES _____ NO _____

36-Month Paint Coatings Corrosion Warranty.

Bidder Complies YES _____ NO _____

20-Year Body Structure Warranty.

Bidder Complies YES _____ NO _____

FINAL DELIVERY: The ambulance shall be driven under its own power from the manufacturer to the customer to ensure a proper break-in period for the vehicle. Prior to final delivery, the dealer must completely inspect and service the ambulance, wash & wax the exterior and detail the interior. Delivery shall be to the customer's location at no additional charge at a date and time mutually agreed upon by the customer and the dealer. Fuel shall be topped off prior to final delivery.

Bidder Complies YES_____NO_____

END OF SPECIFICATIONS