



COUNTY OF RUTHERFORD

Invitation for Bid

**Bid Title:
AMBULANCE(S) AND
EQUIPMENT**

Bid Opening Date: November 14, 2013

Bid Opening Time: 2:00 PM,
November 14, 2013

Issued For:
Rutherford County EMS Department
289 North Main Street
Rutherfordton, NC 28139

Issued By:
Rutherford County Finance Department
289 North Main Street
Rutherfordton, NC 28139
Phone: (828) 287-6085

INVITATION

Pursuant to N.C.G.S. 143-129, Rutherford County will accept sealed bids for the purchase of one **(1) Type III, Class One (4x2), Configuration A Ambulance;** at the Office of the Rutherford County Board of Commissioners, 289 North Main Street until **2:00 PM., EST, November 14, 2013.** The bids will be opened publicly and read aloud at **2:00 P.M, November 14, 2013. *Only sealed bids will be accepted.*** No bid will be accepted after the official time and date. Copies of the specifications and bid forms may be obtained by applying to the Rutherford County Finance Department, phone (828) 287-6085, during regular business hours (8:30 AM – 5:00 PM). Electronic copies of the specifications and this bid package will be available at rutherfordcountync.gov under the Emergency Services Department. Rutherford County reserves the right to reject any and/or all bids.

Request For Bid TIMELINE	
Name of the Bid	Ambulance(s) and Equipment
Date of Issuance	October 29, 2013
Pre-Bid Meeting	No Pre-Bid meeting will be scheduled
Deadline for Questions	November 11 , 2013
Deadline for Bid Submittal	November 14, 2013
Recommendation for Award	December 2, 2013

Method of Submittal US Mail, Overnight Delivery or in person.
Electronic and fax proposals are not acceptable
Please submit bid in a SEALED envelope and clearly marked as stated below:

**Rutherford County
Sealed Bid: Ambulance and Equipment
289 North Main Street
Rutherfordton, NC 28139**

Contact Person, Title Terry Baynard, Operations Manager

Email Address terry.baynard@rutherfordcountync.gov

Phone Numbers Phone: (828)-287-6081

Contact Person, Title RaeAnn Turner, Deputy Finance Director

Email Address raeann.turner@rutherfordcountync.gov

Phone Numbers **Phone:** (828) 287-6087 **Fax:** (828) 287-6210

The County is not responsible for delays occasioned by the U.S. Postal Service, the internal mail delivery system of the County, or any other means of delivery employed by the Bidder. If it is questionable that the postal service can deliver your bid on time, it is suggested that it be hand delivered.

Similarly, the County is not responsible for, and will not open, any bid responses that are received after the time stated above. Late submittals will be retained in the bid file, unopened. No responsibility will be attached to any person for premature opening of a bid not properly identified.

BID REQUIREMENTS

Bidders are required to verify compliance with the following requested items (marked with “X”) and include with the bid those items as requested or be prepared to furnish at a later date as specified. Lack of compliance may result in rejection of bid.

1.	X	Return bid on Rutherford County Bid Form with signature. Any bid submitted on forms other than the bid form provided within this document may be disqualified. All bids submitted must be typed or written in ink and signed by the bidder’s designated representative.
2.		Bid Bond: Bond must be included in the bid package at the time of opening.
3.	X	No Bid Bond required.
4.	X	Certificate of Insurance upon notification of award.
5.		Performance Bond upon notification of award.
6.	X	Brochures, catalogs, model numbers or pertinent literature where applicable.
7.		References (preferably from local government units).
8.	X	Signature on bid by authorized personnel.
9.		Minority business forms.
10.	X	Minimum specification and compliance form.
11.	X	Request for Taxpayer Identification Number (W-9). Fill out and submit with sealed bid.

ADDENDA

Any matter of this bid package that requires explanation or interpretation must be inquired by the Bidder, in writing, no later than the date and time specified in "Deadline for Questions" above. All questions may be emailed to RaeAnn Turner (raeann.turner@rutherfordcountync.gov) or Terry Baynard (terry.baynard@rutherfordcountync.gov).

Questions will be responded to in the form of written addenda to all known Bidders. All addenda that you receive shall become a part of the Contract Documents and shall be acknowledged and dated on the bottom of the Bid Form. It is the Bidder's responsibility to ensure that all addenda were received.

WITHDRAWAL OF BID

Any bid may be withdrawn without prejudice prior to the official bid opening time or any publicized postponement thereof, or in accordance with N.C.G.S. 143-129.1.

NOTIFICATION OF AWARD

The successful bidder will be notified within ten (10) calendar days after the bid has been awarded. Rutherford County will notify the successful bidder in writing, by a Purchase Order after all prerequisites and specifications have been met by the bidder and the award has been made. Verbal notification of the award is not considered a liable mode of notification and therefore shall not be recognized as an official notification.

VENDOR'S GUARANTEE

By submitting a bid on these specifications, the vendor binds himself to all conditions in these specifications, irrespective of any formalities in his order acknowledgment. No attachment or part may be substituted or applied contrary to manufacturer's recommendations and standard practice. Any variance with the specifications must be stated with the submitted bid and may, after review of all consequences of the variance, disqualify the bid. Accessories supplies shall be compiled with the rest of the equipment offered.

Contractor guarantees that the equipment is new, unused and current year production model equipped as described in the minimum specifications form. Each unit delivered is guaranteed against faulty material and workmanship for a period of one (1) year or greater if guaranteed by the manufacturer for a longer period by a standard manufacturer's guarantee or if otherwise specified within these specifications after acceptance of delivery by Rutherford County. If during this period, any such faults develop, the unit or part affected is to be replaced without any cost to Rutherford County.

Vehicles shall comply with all Federal Motor Vehicle Safety Standards, National Truck Equipment Association (NTEA) – Ambulance Manufacturer’s Division standards, Ford Qualified Vehicle Modifier (QVM) Program Truck Guidelines (*not limited to Ford brand specifications*) and State of North Carolina Safety Regulations applicable to the specified vehicle on the date of manufacture. Any equipment or accessories required shall be factory-installed and shall be as represented in the manufacturer's current technical data.

VENDOR’S PAYMENT OFFSET

Rutherford County will have the right to offset any vendor payments due by any obligations to the County in arrears (i.e. taxes, etc.). Any payments due will be offset and the amount adjusted accordingly.

SAFETY EQUIPMENT

The bidder certifies that all items or service delivered herein comply with the Federal Occupational Safety and Health Act of 1970, as applicable.

DELIVERY COMPLETION REQUIREMENT

The complete unit, ready for operation, is to be delivered (FOB Destination) to the Rutherford County Garage, 174 Fairground Rd, Spindale, NC 28160. Delivery shall be between the hours of 8:00 AM — 2:00 PM during normal workweek day.

The units "Certificate of Origin" and titling forms must be made out to "**Rutherford County**" **289 North Main Street, Rutherfordton, NC 28139** at time of delivery.

Guaranteed delivery date may be considered in making the award. Any vendor who submits a bid on these specifications agrees to accept our purchase order and agrees to guarantee complete delivery within 90-120 days from date of purchase order, or as otherwise specified. **The delivery time must be stated in the appropriate space on the Bid Form.** The delivery time shall be all inclusive of the time required to receive the truck and other requirements necessary to provide the item as specified in this document.

If delivery requirement cannot be met by the awarded vendor, as indicated on the Bid Form by the vendor, for each day beyond the delivery date there will be a \$100.00 per day late charge deducted from the invoice (holidays and weekends will not be included).

In the event that completion of the contract shall be delayed because of any labor strike on work stoppage, injunction or interference of any public authority, or by reason of any cause or circumstances beyond the control of the vendor and for which he could not have taken reasonable precaution, the completion date may be extended at the discretion of the County. However, the granting of any such extensions shall not be considered as a waiver of the requirement of timely completion or deemed to affect the importance of timely completion.

ALL MERCHANDISE MUST BE SHIPPED PREPAID AND SHALL BE DELIVERED FOB DESTINATION.

INSPECTIONS

Rutherford County reserves the right to inspect all materials furnished for conformity with the specifications on order. The right is reserved to reject and return, at vendor's expense (to include re-stocking fees and risk), any unacceptable shipment.

PRICING

Prices submitted herein shall remain firm, regardless of make/model year changes that may occur as a result of manufacture/production changes, factory shutdowns, delivery schedules, etc. All prices shall be FOB Rutherford County Garage located at 174 Fairground Rd, Spindale, NC 28160. Price shall include complete delivery and assembly, and all charges that may be incurred in fulfilling the terms of this Invitation for Bid.

PAYMENT

Invoices for prepaid transportation charges shall be supported by receipted freight bills. In the case of bids or quotations, all freight charges are borne by the bidder unless otherwise specified in bid.

It is the desire of Rutherford County to pay promptly. It is the vendor's responsibility to submit invoices directly to the Department and address specified on the contract or as "Ship and Bill to" on the Purchase Order.

Invoices shall include Purchase Order number, description of item(s), quantities, unit price, extended price, freight, state and local taxes, and date of delivery. Invoices not on printed billheads shall be signed by vendor. Purchase order number **must** be listed on all shipping labels.

Invoices exceeding the limits established by this contract/purchase order or for materials or services not qualifying under its specifications as ordered are not subject to payment.

Vendors must prove tax information to include vendor's full business name, address, "remit to" address, federal tax identification number or social security number if vendor does not have a federal ID number.

EQUAL OPPORTUNITY

Executive order No. 11246, as amended, relative to Equal Employment Opportunity and all other applicable laws, rules and regulations, including Title VII of the Civil Rights Act of 1964, are incorporated herein by this specific reference. In addition, all laws, rules and regulations applicable to the hiring of disabled veterans and veterans of the Vietnam era and of the hiring of individuals with physical or mental handicaps are incorporated herein by this specific reference.

The Contractor further agrees that:

- A. in the hiring of employees for the performance of work under this contract, the contractor shall not discriminate against any citizen in the employment of a person qualified and available to perform the work under the contract or purchase order, by reason of race, color, religion, sex, age, handicap, national origin or ancestry;
- B. the contractor or any person acting on its behalf, shall not in any manner, discriminate against, intimidate, or retaliate against any employee hired for the performance of work under the contract on account of race, color, religion, sex, age handicap, national origin or ancestry; and
- C. the contractor shall include this language in all subcontracts entered into for the performance of the contract/purchase order.

FAIR LABOR STANDARDS ACT

Contractor warrants and represents that the goods and/or services covered by this contract/purchase order have been manufactured in accordance with the requirements of the Fair Labor Standards Act and all other applicable federal, state and municipal laws, rules and regulations.

ALTERNATIVE BIDS

No alternative bids will be accepted unless otherwise requested.

RISK OF LOSS

All risk of loss to the equipment shall remain with the successful bidder until title to the equipment passes to the County on the acceptance date. After title passes to the County, the County shall bear all risk of loss to the equipment.

BROCHURES

Descriptive literature will be required to substantiate the details specified in bid and to establish, for the purpose of bid evaluation, details of the product the bidder proposes to furnish as to design, materials, method of manufacture, construction, assembly or operation as appropriate. In addition, all differences in specifications must be itemized and clearly explained. Each exception will be considered by the County as to degree of impact and total effect on bid.

The County assumes that silence to exception indicates that the item will comply with specifications. Should the item not comply, and the exception is not indicated, then the item shall be rejected when delivered. All equipment shall be given a general inspection for material, workmanship, and compliance with specifications prior to acceptance. Acceptance is not final until all specifications, with concurrence to exceptions, are met. **The submission of literature will NOT constitute the taking of an exception nor honor any specification change.**

BRAND NAMES

Any reference to brand names in the specifications is made to aid the bidder and indicate more clearly the quality desired and is not mentioned to limit or restrict the bidding to any particular brand.

**GENERAL CONDITIONS:
PARTY IDENTIFICATION:**

AGENCY: "Agency" is hereinafter defined as the customer. The customer is an individual or a group of individuals whom represent the interest of the city, borough, county, parish, state or private enterprise and has been charged with the responsibility of purchasing one or more emergency medical vehicle(s).

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".

VENDOR: "Vendor" is synonymous with "Bidder".

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 AND 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 page and paragraph number(s), the text that the bidder feels he can not comply with 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.

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.

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.

This agency makes no claim that ALL potential issues or improvements are included in the specifications supplied herein. This agency will consider any VALID concern by any bidder and will consider minor specification exceptions or alternates of equal or better performance, provided that the exception(s) are steered toward meeting the "Core design" intent AND the exception(s) are cleared up not less than two days prior to the bid opening date.

CAUTION:

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 six months. 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:

PRODUCT LIABILITY INSURANCE (ONLY IF AWARDED): 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:

- Commercial General Liability - as follows:
 - Each Occurrence: \$1,000,000
 - Damage to rented premises, each occurrence: \$1,000,000
 - Medical Expenses: \$5,000
 - Personal and Adv Injury: \$1,000,000
 - General Aggregate: \$2,000,000
 - Products - Comp/OP Agg: \$2,000,000
- Automotive Liability - Combined Single Limit: \$1,000,000
- Excess Liability - Umbrella Form
 - Each occurrence: \$25,000,000
 - Aggregate: \$25,000,000
- 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 _____

FORD Q.V.M. QUALIFICATION: All Bidders shall be members in good standing of the Ford Motor Company's Qualified Vehicle Modifier Program (Q.V.M.). Each bidder shall supply a copy of his valid Q.V.M. Certification with their bid. If for any reason the Q.V.M. Certification was withdrawn or suspended by Ford Motor Company within the past five years, the bidder shall supply a full written explanation of the Q.V.M. violation, withdrawal or suspension and any corrective actions taken to regain Q.V.M. Certification. This reference is being made even though the specifications describe an ambulance other than a Ford.

Bidder Complies YES _____ NO _____

NATIONAL TRUCK EQUIPMENT ASSOCIATION TESTING

A.M.D. 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 55,000 pounds.

The test shall be conducted by an independent testing laboratory. The module body bid herein shall contain extrusion shapes and general structural layout identical to the test body used in the test.

Safety is this Agency's first concern. Structural integrity is crucial to the safety of the patient, passengers and crew. Any manufacturer's product that has undergone a catastrophic modular dismemberment during a collision shall voluntarily supply the Agency with a report containing the date, a full explanation of the incident and photographs of the modular ambulance involved in the collision. Catastrophic modular dismemberment is defined as any structural failure which results in separation of major body elements such as walls, roof, floor, or doors. Catastrophic modular dismemberment during a collision indicates mechanical defects in the design and/or the direct construction of the modular body.

Any Bidder with such an incident in his company's past shall prove to the Agency that corrective action has taken place to correct the problem. All of the internal corrective actions shall be tested again to A.M.D. Standard 001 except the test weight shall be a minimum of 55,000 pounds. All A.M.D. Standard 001 testing prior to the incident is deemed invalid regardless of the expiration date of the original test.

A.M.D. 002 - BODY DOOR RETENTION COMPONENTS TEST: The ambulance described herein shall be type tested to the National Truck Equipment Association Ambulance Manufacturing Division, Standard 002 - Body Door Retention Components Test. The test shall be conducted by an independent testing laboratory. The module body bid herein shall contain identical door extrusion shapes, door skin configuration and general structural layout as the test body used in the test.

Safety is this Agency's first concern. Entry and compartment door integrity is crucial to the safety of the patient, public, passengers and crew. If the Bidder has experienced any of the following door conditions as a result of collision, roll over or other accidental impact, then the Bidder shall supply the Agency with a report containing the date, a full explanation of the incident and corrective actions taken.

- a) Any entry door rendered inoperative.
- b) Any door that has come open.
- c) Foreign object penetration into patient cabin through the body structure.

Catastrophic door failure during a collision indicates mechanical defects in the design, hardware and/or the direct construction of the modular door. Any A.M.D. Standard 002 testing prior to the incident is deemed invalid, regardless of the expiration date of the original test.

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

A.M.D. 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 A.M.D. 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 ejection's that occur during a collision indicates mechanical defects in the design of the restraining device or the mounting method; Therefore ALL Bidder A.M.D. Standard 004 testing dated prior to the incident is deemed invalid, regardless of the expiration date of the original test.

A.M.D. 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 Systems 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 is this Agency's first concern. The 12-volt electrical system must be functional 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 the Agency with a report containing the date, a full explanation of the incident and corrective actions taken to prevent future electrical failures.

A.M.D. 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 A.M.D. Standard 006.

A.M.D. 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 A.M.D. Standard 007.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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.

A.M.D. 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 crashworthiness of vehicle(s) proposed.

Crashworthiness 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 crashworthiness 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:

- 1) 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.
- 2) 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.
- 3) 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.
- 4) 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 crashworthiness. 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_____

QUALITY CONTROL - Specification Compliance

QUALITY ASSURANCE: 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 to authorize 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 _____

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 SPECIFICATIONS

CHASSIS MAKE: The apparatus shall be mounted on a commercially available cutaway van type chassis. The chassis manufacturer shall be the vehicle's point of origin. The chassis shall be supplied 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 a 2013 or newer, cutaway van cab, dual rear wheel, two wheel drive chassis equipped as follows below.

TRIM PACKAGE: The highest level trim package shall be supplied from the O.E.M. The package shall include high quality chrome like bright work on the grille face. Chrome plated steel bumper(s) shall also be supplied by the O.E.M.

O.E.M.: The O.E.M. for the ambulance chassis shall be from manufacturer..

Bidder Complies YES_____ NO_____

CHASSIS POWER TRAIN and FUNCTIONAL ITEMS

ENGINE: A V-8, Turbo-charged Diesel engine shall be provided with a minimum displacement of 6.6 liters 260 horsepower at 3100 revolutions per minute with 525 foot pounds of torque at 1600 revolutions per minute. Engine performance shall comply with or exceed the most current revision of KKK-A-1822.

Bidder Complies YES_____ NO_____

SCR SYSTEM: There shall be an Emission Compliant system consisting of a 5.83 gallon Diesel Exhaust Fluid (DEF) is a non-toxic, virtually odorless, and safe solution of purified water and 32.5% automotive-grade urea that is used as a carrying agent for ammonia needed to reduce Nitrogen Oxide (NOx) into Nitrogen and water vapor. The chassis manufacturer will include warning systems when the fluid gets low and then the chassis system will start to shut down and finally limit the chassis to 5mph when the system is empty. On the 159" wheelbase chassis with a rear mounted fuel tank, the SCR tank shall be located forward of the rear axle between the frame rails, to the street side of the driveline.

Bidder Complies YES_____ NO_____

TRANSMISSION: A 6-Speed Automatic, Heavy Duty, Electronically Controlled with overdrive, tow/haul mode and internal transmission oil cooler shall be supplied.

Bidder Complies YES_____ NO_____

ENGINE BLOCK HEATER: There shall be an OEM Engine Block Heater supplied on the chassis as part of the Ambulance Prep Package with the Diesel Engine.

Bidder Complies YES _____ NO _____

GROSS VEHICLE WEIGHT RATING (GVWR): The GVWR of the chassis supplied shall be at least 14,200 pounds.

Bidder Complies YES _____ NO _____

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

Bidder Complies YES _____ NO _____

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

Bidder Complies YES _____ NO _____

AMBULANCE PREPARATION PACKAGE: The chassis provided shall be equipped with the ambulance preparation package designed and installed by the O.E.M. This package shall include the following items:

1. **ALTERNATORS:** Dual alternator option shall be supplied and installed by the O.E.M. Both alternators shall have an output of 145 amperes, measured with an under hood temperature of 200 degrees Fahrenheit. Both alternators shall be controlled by the vehicles on board computer. The alternators' output cable, originally connected directly to the positive post of the under hood battery, shall be rerouted to a 3/8" diameter, solid brass junction post. A 2/O positive battery cable shall reconnect the 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 _____

2. **THROTTLE / AUXILIARY IDLE CONTROL:** O.E.M. throttle shall be provided.

Bidder Complies YES _____ NO _____

3. **REAR AXLE RATIO:** The rear axle type shall be limited slip differential with a 3.73:1 gear ratio.

4. **AUXILIARY TRANSMISSION OIL COOLER:** The primary transmission

fluid cooler shall be built into the engine's radiator. The hot fluid shall exchange heat into cooling tubes within the radiator and then flow through auxiliary automatic transmission oil cooler that is located directly behind the grille. This cooler shall be set in front of the air conditioning condenser and the engine radiator. This auxiliary cooler shall feature three-eighth inch diameter cooling tubes with a minimum of twenty heat transfer plates.

5. **BATTERIES:** Two (2) matching batteries, each battery shall have a cranking performance rating of at least seven hundred and seventy (770) cold cranking amperes with a reserve capacity of at least sixty five (65) amp-hours.
6. **BRAKES:** 4-wheel anti-lock, power assisted hydraulic brakes shall be supplied by the O.E.M. The brakes shall be 4-wheel disc type. The parking brake shall be an independent mechanical drive-line brake, provided by the O.E.M.
7. **STABILIZER BAR:** There shall be a stabilizer bar mounted to the front suspension.
8. **FUEL TANK:** A mid-ship fuel tank shall be supplied with a minimum 57 US gallon capacity. The fuel range shall be at least 250 miles per KKK-A-1822.
9. **SHOCK ABSORBERS:** The front O.E.M. shocks shall be replaced with Bilstein (or equivalent) gas pressure shock absorbers or an approved, proven alternate. The shocks shall be mono-tube gas pressure type with a 46 millimeter digressive piston and a deflective disk valving system. The shocks shall improve vehicle handling, without affecting the ride quality. Ambulance related shields, or other devices shall not interfere with shock replacement.

Bidder Complies YES_____ NO_____

CHASSIS EXTERIOR ITEMS

CHROME APPEARANCE PACKAGE: The Chassis shall be equipped OEM with the following, but not limited to:

- Horns: Dual Electric
- Grille: Chrome
- Wheel Covers: OEM Gray, center cap
- Front Chromed Bumper

Bidder Complies YES_____ NO_____

WINDSHIELD WIPERS: The Chassis shall be equipped OEM with integral intermittent windshield wipers that offer a variety of time delays between cycles.

Bidder Complies YES_____ NO_____

MIRRORS: There shall be a mirror delete optioned by the ambulance manufacturer. The manufacturer in return shall not supply the chassis to the ambulance manufacturer with any holes in the doors. The ambulance manufacturer shall, upon receipt of the chassis, install a pair of remote control mounted VelVac #716800 (or equivalent) mirrors that will project out just far enough to see around a 95" wide ambulance body, but not any wider than that to be knocked off going in and out of a garage door opening. Both shall feature the Deluxe Head with a slightly convex mirror. "Objects are closer than they appear" shall be printed on the base of the mirror glass. The ambulance manufacturer shall install the VelVac harness with controls for both mirrors shall be within the driver area.

Bidder Complies YES_____ NO_____

DAYTIME RUNNING LIGHTS: The chassis shall come with Daytime Running Lights.

Bidder Complies YES_____ NO_____

TIRES: There shall be six (6) OEM provided LT225/75R16E All Season Radial tires. The tires shall be mounted and balanced. In addition, a spare tire shall be mounted and balanced.

Bidder Complies YES_____ NO_____

SPARE TIRE: There shall a spare tire to be the same brand and size as the other six (6) OEM provided tires. The tire shall be mounted and balanced.

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 O.E.M., shall be shipped loose with the completed vehicle.

Bidder Complies YES_____ NO_____

WHEEL SIMULATORS: There shall be a set of four Phoenix Stainless Steel (or equivalent) wheel simulators installed over the OEM steel wheels. The Rear shall be concave to give the appearance of Chromed style wheels and the front shall be convex to again give the appearance of Chromed style wheels.

Bidder Complies YES_____ NO_____

EXHAUST SYSTEM EXIT: The exhaust system shall be with passenger's side exit rearward of the rear dual wheels on the chassis to be cut back to the body sidewall.

Bidder Complies YES_____ NO_____

CHASSIS INTERIOR ITEMS

POWER WINDOWS: The cab doors shall have O.E.M. power windows.

Bidder Complies YES_____ NO_____

DOOR LOCKS: The chassis shall have O.E.M power door locks.

Bidder Complies YES_____ NO_____

CAB SEATS: Adjustable O.E.M. high back, cloth covered bucket type seats shall be provided in the cab. Seat bases must be O.E.M.

**** Install computer mount on passenger side to accommodate Panasonic Toughbook 1917 computer with same bolted through cab floor but allows full seat travel.**

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

SUPPLEMENTAL RESTRAINT SYSTEM: O.E.M. air bags shall be installed, one on the driver and one on the passenger side. Permanent or quick release ambulance conversion components shall not interfere with air bag deployment.

Bidder Complies YES_____ NO_____

CAB STEREO: An O.E.M. AM/FM/CD in dash radio shall be included with the chassis.

Bidder Complies YES_____ NO_____

POWER OUTLETS: Two (2) OEM 12v power outlets shall be included on the chassis and included in the cab as part of the dash configuration.

Bidder Complies YES_____ NO_____

FRONT HVAC: The driver's cabin shall feature an O.E.M. installed air conditioning, heating and ventilation system. The system shall feature variable heat/cooling control, a fan speed selector switch and discharge air control. The control layout shall meet SAE

standards.

Bidder Complies YES_____ NO_____

REAR HVAC CONNECTION PACKAGE: A set of air conditioning and heater tubes shall be routed from the engine compartment to an under body location under the driver's seat. These tubes shall include a supply and return line for each connection type.

Bidder Complies YES_____ NO_____

CAB INTERIOR COLOR: The interior of the cab shall be Medium Pewter 93G.

Bidder Complies YES_____ NO_____

CAB FLOOR COVERING: The cab floor shall be covered with an O.E.M. rubber mat.

Bidder Complies YES_____ NO_____

CAB OVERHEAD LINER: The chassis shall be supplied with a velour, color keyed headliner at the cab ceiling.

Bidder Complies YES_____ NO_____

CRUISE CONTROL: There shall be an OEM supplied cruise control.

Bidder Complies YES_____ NO_____

TILT STEERING WHEEL: There shall be an OEM supplied tilt steering wheel.

Bidder Complies YES_____ NO_____

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

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-1822.

Bidder Complies YES_____ NO_____

BODY MEMBER ALLOY: The side, roof, front and rear sheet shall be derived from 5052-H-32 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-T5 aluminum.

Bidder Complies YES_____ NO_____

BODY WARRANTY: The body shall carry a 15-year warranty following the date of delivery to the end user. The warranty shall cover repairs or replacement of body elements or components that fail due to structural defects in materials and workmanship. The body shall be re-mountable to a future new chassis, of exact specification, without voiding the 15-year body warranty, provided the remount is done by the Original Ambulance manufacturer or its authorized agent in writing.

Bidder Complies YES_____ NO_____

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 to AMD-001 **except the test weight shall be 55,000 pounds or 3.2 times the curb weight** of the finished vehicle. Additionally the same unit shall be subjected to the same test with the body turned on its side. Complete copy of the testing documents with photos, must accompany the bid/proposal, exceptions to this requirement will not be considered. Non-compliant bids will be rejected.

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

SIDE STRUCTURE

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 M.I.G. 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 (2) inch by two (2) inch 6105-T5 aluminum, architectural box tubing. All entry and compartment door adjacent members shall be three sixteenths (3/16") inch (double thickness), two (2) inch by two (2) inch proprietary extruded shape. The main structure shall frame in the compartment openings and provide intermediate skin support. The intermediate structure spacing shall have a nominal dimension of twelve (12) inches. All grid structure shall be welded together with a minimum of 50% of available mating surface.

The side skin shall be bonded to the structural grid using (1.75") wide, VHB (Very High Bond) adhesive tape.

Bidder Complies YES_____ NO_____

SIDE IMPACT RAILS: Occupant seat belts shall be through bolted through one-quarter (1/4) inch by four (4) inch plate on the curbside and one-half (1/2) inch by four (4) inch plates on the street side that are continuously M.I.G. welded or Huck structurally fastened to the structural grid.

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 skin shall return into the body at least 3/4" to meet the jamb extrusion. This method will encourage square openings to receive the pre-hung door assemblies and maintain critical structural locations. The door jamb shall have a full structure frame behind the jamb skin return and not rely strictly on the skin for the compartment jamb. Pre-determined ventilation louvers shall be *formed* into the body sheet, where specified. *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 door-jamb from view.* The only visible seams on the body sheet shall be at the corner posts. The skin shall extend .688" 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 6063-T6. The corner post extrusion shall be 3.25" x 3.25" with a 2" 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" radius giving a .25" wall thickness at the exterior wall of the extrusion. There shall be a .75" 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 funnel shall be .188" wide at the exterior edge and .125" wide at the interior edge. The interior wall of the corner post extrusion that is in-board of the side skin funnel shall be 2" wide so that they line up with the exterior side wall. The interior walls of the corner post extrusion shall be .125" thick and they shall incorporate a 45 degree weld bevel on the interior corners.

Bidder Complies YES _____ NO _____

ROOF CONSTRUCTION

ROOF RAIL EXTRUSIONS: The roof corners of the modular body shall be made from an extruded aluminum structure that has an alloy of 6063-T6. The roof rail extrusion shall be 4.55" x 3.5" with a 2" radius on the outer corner. A full length drip rail shall be incorporated into the roof rail corner post extrusion, No Exceptions. 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" radius giving a .25" wall thickness at the exterior wall of the extrusion. There shall be a .75" 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. The funnel shall be .188" wide at the exterior edge and .125" wide at the interior edge. There shall be a .75" x .125" 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" 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" wide so that they line up with the 2.25" roof bows. The interior walls of the roof rail extrusion shall be .125" 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.

Bidder Complies YES _____ NO _____

ROOF BOWS: The roof sheet shall be supported by full width .125" x 2" x 2.25" architectural box tubing. The roof bows shall be located on twelve (12) inch centers. The roof bows shall be M.I.G. welded to the roof rail extrusions with no less than four (4) and one-half (1/2) 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: Additional structural support will be added as a result of the 2" ducted heat and A/C delivery system. 2" x 2" three sided extruded channel with two sides being .125" thick and the bottom surface for fastener acceptance to be .160" shall be full length of the body. There shall also be three (3) of the same three sided extrusions that are 95.75", two (2) of the same three sided extrusions that are 18.125", one (1) of the same three sided extrusion that is 49.75 and seven (7) of the same three sided extrusions that are 12". There shall also be two (2) 2" x 4" three sided extruded channel with two sides being .125" thick and the bottom 4" surface for fastener acceptance to be .160". Each of these extrusions shall be one 95.75" and 49.75". On the street side about midway shall be two (2) 1/4" plates of aluminum that are 14" x 12" and fully welded in place on two of the four sides.

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

Bidder Complies YES_____ NO_____

FLOOR CONSTRUCTION

FLOOR MEMBERS: All floor structures shall be 6105-T5 aluminum, one-quarter (1/4) inch by one and one half (1-1/2) inch by three (3) inch aluminum, architectural proprietary shape with bevels built into the extrusion die to allow for full weld penetration on the edge of the extrusions. If there is no bevel built into the extrusion die, then the extrusion must be modified to achieve it. The die must be designed so that the inside of the corner has the same thickness of aluminum as the remaining four sides.

Bidder Complies YES_____ NO_____

GUSSETS: The floor member to side wall gussets shall be made of 5052-H32 aluminum plate, one quarter (1/4) inch thick by four (4) by four (4) inch. A gusset shall be located 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. A minimum of three (3) full body width floor members shall connect

to and support the side wall assemblies. Each member shall be made of 6063-T6 aluminum. One of the members shall be one-quarter (1/4) inch by one and one half (1-1/2) by three (3) inch rectangular architectural box tubing and be located just forward of the wheel housing. The forward member shall be six inch aluminum association channel and the aft member (if clearance allows) shall be one-eighth (1/8) inch by one and one half (1-1/2) inch by two (3) inch architectural box tubing. With a formed reinforcement, quarter (1/4") return flange. On the last floor cross member, the rear wall is fully supported by the floor structure.

Bidder Complies YES_____ NO_____

ALUMINUM PLATES: One and one half (1-1/2) inch x six (6) inch thick plates shall either be M.I.G. welded or Huck 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.

Bidder Complies YES_____ NO_____

WATER TIGHT PATIENT CABIN: The sub floor shall be shielded from moisture. A forty (40) mil thick 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: The door skin shall be .090 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 duro-meter closed cell UV protected weather strip with relief holes for even compression for a proper and complete seal from the door to the door jamb. The corners shall be welded without using adhesives for bonding. Glued on weather stripping is not acceptable due to inconsistent bond quality inherent in lazy-S patterns created by hand with glue that comes in collapsible tubes.

The door frame shall also add torsion resistance to the door assembly. The door jamb and frame shall be cut 45 degree on each corner from the door edge corner, each of the four corners shall consist of a keyway that is designed to drive into each corner and maintain a perfect 90 degree angle. 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 C-shaped, horizontal members shall be formed from one hundred twenty five (125) mils thick aluminum sheet. A minimum of two (2) horizontal members shall be welded in. A vertically oriented C-channel shall be welded to the webs of both horizontal channels for additional buckling resistance.

Compartment doors shall have horizontal extruded tubing structure added to maintain skin flatness.

Bidder Complies YES_____ NO_____

ENTRY DOOR WINDOW(S): The entry door(s) shall incorporate recessed areas that are molded 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.

Bidder Complies YES_____ NO_____

DOOR PANELS: The inside entry door panels shall be made of (.080") 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") 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 that is designed to drive into each corner and maintain a perfect 90 degree angle. Additionally, the jamb shall be continuously M.I.G. 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 door-jamb 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. The hinge attachment bolts shall be one quarter inch diameter by one inch long stainless steel Type TT (Thread Rolling Screws) hex head bolts. All tapped holes for hinge bolts shall be treated with an anticorrosion compound prior to installation of each hinge bolt. Thread cutting screws are not acceptable. Each hinge leaf shall have a Mylar insulation strip (3M Scotch No 8411) between the leaf and the Jamb/Door.

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.

Refer to each compartment for verification of one or two rotary latches. All double hung compartment doors shall have two rotary latches per door. All striker pins shall be headed to prevent the door(s) from opening under impact.

Bidder Complies YES _____ NO _____

MOUNTING

MOUNTING SYSTEM: The outside dimension, across the frame rails on this chassis is forty-two inches. The aftermarket provider shall drill (not torch) two additional holes within seven inches of the end of the OEM frame. Outrigger mounts on this chassis are not acceptable. Outriggers are not necessary and restrict compartment depth. Each mount shall accommodate a natural rubber vibration isolator and support for the body's mounting sill. All mounting sills shall be made of one inch thick by three inch wide solid aluminum flat bar. A grade L-9 seven sixteenth inch diameter by four inch long hex-head bolt shall be used to bolt the sill down at each isolator site.

Bidder Complies YES _____ NO _____

MODULE CONFIGURATION

OVER ALL LENGTH: The overall length of the vehicle shall not exceed twenty three (23) feet, nine (9) inches. The departure angle and length shall meet or exceed the current revision of Federal Specification KKK-A-1822.

Bidder Complies YES_____ NO_____

MODULE LENGTH: The module length shall be at least one hundred seventy two (172) inches.

Bidder Complies YES_____ NO_____

MODULE WIDTH: The module width shall comply with the current revision of Federal Specification KKK-A-1822. The module shall be ninety five (95) inches wide, excluding lights and accessories.

Bidder Complies YES_____ NO_____

MODULE HEAD ROOM: The module shall not be less than seventy two (72) inches actual measured headroom. The measurement shall be taken from the patient compartment floor to the ceiling panels.

Bidder Complies YES_____ NO_____

CAB EXTENSION: The cab length shall be extended ten (10) inches beyond the O.E.M. cab back. With the seat backs set in a normal, comfortable angle, both driver and passenger seats must have 100% of the O.E.M. seat travel without interference between the seat and the finished bulkhead wall. A rigid integral aluminum channel frame shall be built into the body front to accommodate this requirement. The channel frame shall extend from the module floor to the roof rail as well as a horizontal channel that is height aligned with the cab roof. The cab extension frame work shall enhance the strength of the cab and shall be positioned to receive twenty five (25), 1/4" x 28 cab to body attachment bolts. The cab extension area shall be professionally finished in heavy duty vinyl upholstered plywood panels. The vinyl color shall be keyed to the cab and all fasteners shall be concealed with snap on, upholstered button shaped caps. Fiberglass cowls or cab extensions are not acceptable. Fiberglass extensions tend to crack leak and offers little structural enhancements to the cab.

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_____

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_____

VENTILATION: All compartments, except the oxygen compartment, 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. The oxygen cylinder compartment shall be the only compartment with louvers through the inner and outer door panel up high with at least nine (9) square inches of free-vented area and louvers punched into the compartment side wall, below floor line to exhaust the compartment air when the door is close.

Bidder Complies YES_____ NO_____

CURB SIDE ACCESS DOOR: The curbside access door shall be at least 73 13/16" high by 31" wide measured at the door jamb opening.

Bidder Complies YES_____ NO_____

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 SWING: The compartment door checks shall be installed to allow the door to open ninety degrees (90) from the fully closed position.

Bidder Complies YES_____ NO_____

CURB SIDE ACCESS DOOR LOCATION

Bidder Complies YES_____ NO_____

STEP WELL: A curbside entry door shall feature a single 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. 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 step well shall meet or exceed the current revision of Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

LEFT FRONT COMPARTMENT: This compartment shall be located in the left front corner of the modular body. The minimum compartment dimensions shall be 58 13/16" high x 18 5/8" wide x 19 7/16" deep.

Bidder Complies YES_____ NO_____

COMPARTMENT INTERIOR WALLS: All compartment interior walls are to be constructed of .100 diamond plate for increased strength.

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_____

COMPARTMENT LIGHT: (1) One light shall be mounted in the ceiling of the "M-1" compartment. The light shall be surface mount and shall utilize standard 1156 bulb.

Bidder Complies YES_____ NO_____

VENTILATION: There shall be two sets of five 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 _____

LIGHT, COMPARTMENT, ADDITIONAL:

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 have 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.

ORIGINATION POINT: The aforementioned conduit shall originate in the left front middle, 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 FRONT MIDDLE COMPARTMENT: This compartment is located adjacent and rearward to the left front compartment. The minimum compartment dimensions shall be 31 1/2" High x 44 1/2" Wide x 19 7/16" Deep.

Bidder Complies YES _____ NO _____

COMPARTMENT DOORS: A set of double hinged compartment doors shall be set for this compartment. Each door shall have a single handle and two rotary latches.

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 uni strut infinely 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 _____

RIGHT REAR COMPARTMENT: This compartment shall be located in the right rear corner of the body. The minimum compartment dimensions shall be 79 13/16" High x 25 5/8" Wide x 21" Deep.

Bidder Complies YES _____ NO _____

COMPARTMENT INTERIOR WALLS: All compartment interior walls are to be constructed of .100 diamond plate for increased strength.

Bidder Complies YES _____ NO _____

COMPARTMENT FLOOR: This compartment shall feature a four inch (4") dropped floor. The edge of the compartment shall be continuously welded to the lower door jamb.

Bidder Complies YES _____ NO _____

ADJUSTABLE DIVIDERS: Two semi-rigid adjustable dividers shall be formed of 5052-H32 aluminum .090 thick sheet. One 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. The second divider shall be thirty inches (30") high by fourteen inches (14") deep; measured from the track; and have a two inch return flange formed along the thirty inch edge for mounting. All corners on the dividers shall be rounded or chamfered. The exposed edges 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 compartment.

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 _____

COMPARTMENT LIGHT: (1) One light shall be mounted in the ceiling of the "M-5" compartment. The light in this compartment shall be recessed flush utilizing the same 1156 bulb.

Bidder Complies YES_____ NO_____

RIGHT REAR FORWARD COMPARTMENT: This compartment shall be located just forward of the right rear compartment aft of the rear wheel opening. The minimum compartment dimensions shall be 17 1/4" High x 13 13/16" Wide x 19 3/16" Deep.

Bidder Complies YES_____ NO_____

VENTILATION: All compartments, except the oxygen compartment, 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. The oxygen cylinder compartment shall be the only compartment with louvers through the inner and outer door panel up high with at least nine (9) square inches of free-vented area and louvers punched into the compartment side wall, below floor line to exhaust the compartment air when the door is close.

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 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_____

COMPARTMENT LIGHT: (1) One light shall be mounted in the ceiling of the "M-6" compartment. The light shall be surface mount and shall utilize standard 1156 bulb.

Bidder Complies YES_____ NO_____

RIGHT FRONT COMPARTMENT: This compartment shall be located in the right front corner of the module body. The minimum compartment dimensions shall be 46 5/8" High by 25 1/4" 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 one rotary latch.

Bidder Complies YES _____ NO _____

RIGHT FRONT BATTERY COMPARTMENT: This compartment shall be located in the lower right front corner of the module body. The minimum jamb pass through dimensions shall be 12 1/8" High x 25 1/4" Wide x 21.4" Deep. The 2-battery tray shall accommodate two group 31 series batteries and be mounted on full extension slides with a 250 pound per pair rating.

Bidder Complies YES _____ NO _____

VENTILATION: All compartments, made from aluminum sheet, shall have at least eight louvers of ventilation to the outside below floor line. The oxygen cylinder and backboard compartments shall also be louvered through the inner and outer door panel up high with at least nine (9) square inches of free-vented area.

Bidder Complies YES _____ NO _____

COMPARTMENT DRAWER FRONT: 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_____

LOAD HEIGHT: Load height is defined as the vertical measurement from the level ground to the finished floor plane. The load height specified herein shall not exceed the current Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

FUEL FILLER AND HOUSING: The filler neck supplied by the O.E.M. 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 O.E.M. 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 O.E.M.. 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 FG4503-1-163. 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 O.E.M.'s Body Builders Layout Book. The filler cap shall be supplied by the O.E.M..

Bidder Complies YES_____ NO_____

BODY PROTECTION AND BRIGHT WORK
REAR BUMPER

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 aluminum 6063-T6 rectangular tubing. The bumper shall be bolted directly to the chassis frame. In addition the top of the bumper shall be mounted below the body skirt-line, so that minor collisions do not damage the body. The bumper will collapse under the body.

Bidder Complies YES_____ NO_____

OUTER PONTOONS: The outer bumper ends (pontoons) shall be covered in .100 polished aluminum diamond plate. The outer corners shall have an angle of 50 degrees. 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 eleven inches (11") and not more than eleven and one-half inches (11 1/2").

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 have aggressive traction. The step shall have a red/white reflexite reflective strip across the flip up step. A stainless steel piano hinge shall have a staked in, 1/4" diameter pin, one inch knuckles and one Type-F 1/4" through bolt every four inches.

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_____

SKIRT RAILS: The entire skirt-line of the body, forward and aft on the rear wheels shall have formed .375' 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. 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_____

BODY CORNER POST PROTECTION: The lower seventeen inches (17") 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_____

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 front body stone guards. The height of the protection is seventeen inches up from the body skirt line.

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 from the skirt-line of the body to the bottom door jamb under the rear access doors.

Bidder Complies YES_____ NO_____

RECOVERY EYES: Two vertically oriented, heavy duty cast iron tow eyes with a one inch threaded stud shall be through bolted to a one half inch thick steel plate that is continuously welded to the end of the O.E.M. Frame. The recovery eyes shall be recessed into the kick panel so that the tangency of the eyes are co-planer with or set back up to one inch. The recovery (tow) eyes shall not be trip hazard to personnel entering and leaving the rear access doors.

Bidder Complies YES_____ NO_____

Access to the recovery eyes shall be made through a finished access hole through the Diamond plate "Kick panel" under the rear doors. The access holes shall be at least five inches in diameter and the edges of the holes shall be covered in automotive edge trim. The trim must be bonded to the kick plate in addition to the clamp on ribbing that shall be built into the trim.

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 T.I.G. 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 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 1/2 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 diamond plate and be provided on each side of the cab. 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_____

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_____

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 Tectyl 517 prior to installation of any fasteners to guard against any future corrosion.

EXTERIOR FASTENERS: All screw sites require a replaceable nylon insert for the fastener to thread into to isolate the dissimilar metals. Additionally each hole shall be treated with an Electrolysis Corrosion Control compound (Tectyl 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.

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 clear within the light to act as additional warning lights.

FRONT I.C.C. LIGHTS: Clearance lights shall be provided per FMVSS 108. The lights shall illuminate the height of the vehicle, and 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 I.C.C. LIGHT GUARD: The above mentioned clearance lights shall be provided with a guard manufactured of bright finish material. The 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 LED's to the rear and rear corners. There shall also be additional LED lights that alternate red and amber within the light to act as additional warning lights.

REAR I.C.C. 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 I.C.C. 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 _____

TAIL LIGHT GROUP: Highly conspicuous, Whelen (or equivalent), Package shall be provided as follows.

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 _____

LIGHT SIZE: The light style shall be Whelen 900 series (or equivalent) and shall be provided as follows.

BRIGHT CHROME-LIKE FLANGES: The aforementioned tail light group shall be embellished by bright trim flanges.

Bidder Complies YES _____ NO _____

STOP/TAIL LIGHT: The stop/tail light fixtures on the rear of the body shall be Whelen Brand series 900 (or equivalent), Fully Populated Light Emitting Diode to 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 900 (or equivalent), Light Emitting Diode to 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 900 (or equivalent), 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 (or equivalent).

THIRD BRAKE LIGHT: Is to flash five (5) times when brake a applied and then 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 900 series (or equivalent). The scene light group shall meet or exceed the present revision of the Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

BRIGHT CHROME-LIKE FLANGES: The scene light group shall each have bright chrome trim flanges.

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 900 series (or equivalent). The scene light group shall meet or exceed current revision of the Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

BRIGHT CHROME-LIKE FLANGES: The scene light group shall each have bright chrome trim flanges.

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 900 series (or equivalent). The scene light group shall meet or exceed current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

BRIGHT CHROME-LIKE FLANGES: The rear load light group shall each have bright chrome trim flanges.

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_____

A/C UNIT LOCATION: On the floor behind the attendant seat. A/C Unit will have a ducted delivery system in the ceiling with eight (8) adjustable vents. And two additional adjustable vents above and behind the attendant seat

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 580 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 23,511 British Thermal Units (BTU) in A/C Mode and 48,000 BTU in Heater Mode. The Vehicle A/C Heater system must meet or exceed current Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

HEATER HOSES: Heater hoses for the cab shall remain O.E.M.. 5/8 inside diameter, E.P.D.M. rubber hoses shall route from the O.E.M. tie in point to the rear heater core.

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 aluminum 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 1/2 I.D., collapse resistant and fiber reinforced polytubing. The hose shall be routed from the condensation pan to the street.

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 fittings shall be leak proof. All hose to fitting clamps shall be machine crimped, plated steel ferrule type.

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

PRE 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_____

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 is 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_____

CEILING DUCTED INSULATED AIR CONDITIONING DELIVERY: One duct shall route over the primary patient and attendant, and one shall run over the lap area of squad bench. Each duct shall contain four spherically adjustable registers, evenly spaced, total of 8. There shall also be two registers located directly behind the attendant's seat.

Bidder Complies YES_____ NO_____

REAR AC CONTROLS: An ON/OFF switch shall be located in the action area. The switch will not control fan speed. A separate three speed fan speed control switch shall be located in the action area control panel.

Bidder Complies YES_____ NO_____

LINER PANELS: The patient cabin head liner substrate material shall be one quarter inch thick, hardwood plywood. The substrate shall be covered with a minimum 28 mil thick gloss white laminate. 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_____

INTERIOR LIGHTING

PATIENT CABIN DOME LIGHTS: The patient cabin shall have eight dual intensity, Kinequip (or equivalent) LED dome lights in the ceiling. The domes centers shall be aligned along two, four light banks. The left bank shall provide light directly over the patient; the right bank shall provide light directly over the aisle/squad bench. The dome lights and configuration shall meet current Federal Specifications KKK-A-1822.

Bidder Complies YES_____ NO_____

PATIENT CABIN ADDITIONAL LIGHTS: In addition to the dome lighting, three surface mounted round dome lights shall be installed centered between the right and left bank of dome lights. The lights shall be 12 Volt Kinequip (or equivalent)(7" Dia.) LED Dome Light or approved equal. A cutoff switch located in the action area panel will be installed.

Bidder Complies YES_____ NO_____

FLUORESCENT LIGHT LOCATION: The aforementioned fluorescent light shall be located in the center panel of the patient cabin ceiling. The longitudinal light position shall emphasize light intensity on the patient.

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.

LIGHTS POWERED BY TIMER: The aforementioned timer shall power all of the fluorescent 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. 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. Located of the Secondary patient, in the close proximity to the Head/Chest area of the patient.

Bidder Complies YES_____ NO_____

I.V. BAG HANGING HARDWARE, No 3: 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. Located of the Primary patient, in the close proximity to the Knee/Waist 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 and 72 inches long. All rail fittings shall be T.I.G. 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 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, A.N.S.I. 2.5, N.F.P.A. 255, U.B.C. 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 N.F.P.A. Class A and a U.B.C. 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_____

MODULE FLOOR INSULATION: The floor shall have 0.1875 inch thick mass loaded acoustical ethylene vinyl acetate material composite with 0.125 inch thick needled polyester attached to the inside floor surface to provide a noise reduction of 75%. A layer of 0.250 inch thick foil encapsulated micro-cellular closed-cell polyethylene with a minimum R rating of 11.55. Patient compartment floor is now fully insulated for sound deadening and enhanced temperature control without increasing load height. The total R value of the floor must be greater than or equal to 11.55

Bidder Complies YES_____ NO_____

FRONT ADDITIONAL LIGHTING: There shall be four additional lights on the front of the modular body. They shall be in line with the front body KKK-1822 required lights and in line with the KKK-1822 required lights. Two either side of the center light.

Bidder Complies YES_____ NO_____

ALTERNATIVE LIGHT BAR PACKAGE

L.E.D. LIGHT HEAD AND COLOR: The four (4) super light emitting diode colors of the aforementioned light heads shall be (2) WHITE and (2) AMBER. Lens color of above light to be clear. The above light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

ALTERNATIVE LIGHTBAR SWITCHING: The switching of the lighting package that makes up the alternative light bar package shall be through the Primary/Secondary switching system. All red lights shall be through the primary side of the switch and any clear lighting (if optioned) shall be through the secondary side.

Bidder Complies YES_____ NO_____

PUBLIC ADDRESS (Visual) WARNING LIGHTS

WARNING LIGHT FLASHER: There is not to be an external flasher unit. The LED warning lights shall each flash independently of each other. There shall be no preset flash pattern and it will not comply with the present revision of KKK-A-1822. This agency chooses to have this flash pattern as we feel that it is as effective as the required flash pattern incorporated within the verbiage of the present revision of 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_____

WARNING LIGHT SPECIFICATIONS:

LIGHT HEAD FLANGE: Whelen (or equivalent) bright, chrome (Flange), on all 9 x 7 light head(s).

Bidder Complies YES_____ NO_____

GRILLE WARNING LIGHTS:

LIGHT HEAD: A Whelen (or equivalent) Halogen Light head shall be supplied. The light head shall measure 3 1/6" High by 7 1/4" Wide and recess into the body by 1 3/4". The light head shall feature a soldered in permanent linear Halogen bulb. The light head shall comply with current Federal specification KKK-A-1822.

HEADLIGHT VALENCE LIGHT, DRIVER (LEFT SIDE):

LIGHT HEAD: A Whelen Engineering, Model No 70R000F*R LED Light (or equivalent) head shall be supplied in the aforementioned location. The light head shall measure 3 1/6" High by 7 1/4" Wide and recess into the body by 1 3/4". The light head shall feature Light Emitting Diodes. The light head shall comply with all photometric, chromaticity and physical requirements set forth in the current revision of Federal specification KKK. The lens shall feature a smooth outer surface designed to filter light frequency (Color) evenly over the area of the entire light head. A certificate of Compliance shall be made available to the agency upon request.

LIGHT HEAD LENS COLOR: The lens color of the aforementioned light head shall be RED.

Bidder Complies YES_____ NO_____

VALANCE LIGHT HOUSING: A polished, cast aluminum light housing, specifically designed to accommodate the aforementioned light head, shall be securely mounted to the O.E.M. Headlight valance area directly under the headlight. The light housing shall contour match the O.E.M. Headlight valance and employ machine thread screw bosses to for attachment of the light head. After market, proprietary and vacuum formed replacement grilles are too expensive to replace and does not meet the OEM requirements for airflow to the engine. Light head attachment screws shall be machine threads into nonferrous metal. Coarse threaded Wood/Sheetmetal screws into plastic is not acceptable.

Bidder Complies YES_____ NO_____

HEADLIGHT VALANCE LIGHT, PASSENGER (RIGHT SIDE):

LIGHT HEAD: A Whelen Engineering, Model No 70R000F*R LED Light (or equivalent) head shall be supplied in the aforementioned location. The light head shall measure 3 1/6" High by 7 1/4" Wide and recess into the body by 1 3/4". The light head shall feature a Light Emitting Diodes. The light head shall comply with all photometric, chromaticity and physical requirements set forth in the current revision of Federal specification KKK. The lens shall feature a smooth outer surface designed to filter light frequency (Color) evenly over the area of the entire light head. A certificate of Compliance shall be made available to the agency upon request.

LIGHT HEAD LENS COLOR: The lens color of the aforementioned light head shall be RED.

Bidder Complies YES_____ NO_____

VALANCE LIGHT HOUSING: A polished, cast aluminum light housing, specifically designed to accommodate the aforementioned light head, shall be securely mounted to the O.E.M. Headlight valance area directly under the headlight. The light housing shall contour match the O.E.M. Headlight valance and employ machine thread screw bosses to for attachment of the light head. After market, proprietary and vacuum formed replacement grilles are too expensive to replace and does not meet the OEM requirements for airflow to the engine. Light head attachment screws shall be machine threads into nonferrous metal. Coarse threaded Wood/Sheetmetal screws into plastic is not acceptable.

Bidder Complies YES_____ NO_____

LIGHTS: (2) Whelen 700 (or equivalent), Super RED LED/CLEAR LENS,
The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

INTERSECTION LIGHTS (2) – FRONT FENDERS: 700 Series L.E.D. These light heads shall be Super LED with RED light emitting diodes. Whelen's (or equivalent) bright, chrome like trim bezel (Flange), Part No 7E FLANGE shall embellish both light heads. Lens color of above light to be clear. The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

FRONT OUTER, UPPER BODY LIGHTS (2): 900 Series L.E.D. This light head shall be Super LED with RED light emitting diodes. Lens color of above light to be clear. The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

SIDE FACING, UPPER BODY LIGHTS (4): 900 Series L.E.D. These light heads shall be Super LED with RED light emitting diodes. Lens color of above light to be clear. The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

SIDE FACING, REAR INTERSECTION LIGHTS (2): 700 Series L.E.D. These light heads shall be Super LED with RED light emitting diodes. Lens color of above light to be clear. The above LED light(s) shall be programmable to flash without an external flasher.

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

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

REAR UPPER BODY LIGHTS (4): 900 Series L.E.D. These light heads shall be Super LED with RED light emitting diodes. Lens color of above light to be clear. The above LED light(s) shall be programmable to flash without an external flasher.

LOCATION (2): On the rear of the module, one in each upper outer corner inside of the structural corner post.

LOCATION (2): 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_____

REAR CENTER UPPER BODY LIGHT: 600 Series L.E.D. This light head shall be Super LED with AMBER light emitting diodes. Lens color of above light to be clear. 600 LED to be AMBER. The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

ADDITIONAL WARNING LIGHTS, ON REAR: NONE

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 _____

SPOT LIGHT: A hand held 140,000 candle power, 100 watt halogen spot light shall be provided in the cab. Spotlight is to have cigarette adapter and not hardwired. The housing shall be an impact resistant, one piece Uni body UV treated black colored neoprene. The light shall feature a momentary rocker switch to prevent the light from burning while not in the user's hand. This light shall feature a coil type cord that is at least three feet long retracted and fifteen feet extended. The weight of this light shall not exceed three pounds. *ABS Spotlight Holder* - Mount on bulkhead wall behind passenger seat.

Bidder Complies YES _____ NO _____

TWO BATTERY SYSTEM: The ambulance conversion and chassis shall run with two maintenance free twelve volt batteries as specified below. Both batteries shall be wired in parallel to maximize starting amperage. The batteries shall be wired to work together simultaneously per Ford QVM bulletin number sixty three.

BATTERY BRAND: Both batteries shall be the same brand, model and type. Each battery shall be rated at a minimum of seven hundred fifty cold cranking amps at thirty two degrees Fahrenheit with a minimum of sixty five amp-hours of reserve capacity. 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 _____

BATTERY LOCATION: Both batteries shall be located in the right front lower modular body compartment stated in this set of specifications in lieu of the engine compartment.

Bidder Complies YES _____ NO _____

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

Bidder Complies YES_____ NO_____

BATTERY SWITCH: A conversion disconnect switch shall be supplied. Constant battery power shall be supplied for device memories. None of the chassis functions shall be affected by this switch per Fords Qualified Vehicle Modifiers program, bulletin No 63. Additionally, an indicator light shall illuminate on the cab console panel.

Bidder Complies YES_____ NO_____

CAMERA SYSTEM: The vehicle shall include a single camera backup monitoring system. The system shall include, but not limited to a 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 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_____

CAB MONITOR MOUNT: The vehicle shall include an ABS monitor housing, mounted on cab ceiling.

Bidder Complies YES_____ NO_____

MAIN CIRCUIT BOARD: The circuit board casing shall be constructed of 1/2" A-A cabinet grade plywood laminated with 28 mil white colored mica. The case shall be comprised of a back, bottom and two sides to maximize available surface area for components. The circuit board shall be located on the inside of the module body easily accessible through simple to operate cabinet door(s). Screw on access panels or hinged panels not large enough to access replaceable components is not acceptable. The circuit board shall be a central location for all of the conversions' main electrical components. Components located on the board shall include the circuit breakers, circuit relays, main power solenoids, flashers, Strobe power supplies (when specified), and all point to point harness terminal blocks. All of the components shall be logically located on the board to permit neat, organized wire bundles throughout the board. All component wires shall have a minimum of a 6" service loop in event the wire terminal is replaced. Wire bundles within the circuit board area shall be wire tied neatly. Circuit boards with a "Bird's Nest" appearance is not acceptable. The circuit board shall meet or exceed Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

CIRCUIT BREAKERS: All conversion related circuits shall be protected with auto reset pole breakers. The value of the breaker for each circuit shall not exceed 75% of the rated capacity of the weakest component in the circuit. All nuts on the breaker studs shall have lock washers to prevent loose connections on the breakers.

Bidder Complies YES_____ NO_____

LOAD MANAGER: Sequential switching of lamp loads is extremely important on this vehicle. An "Emergency Master" switch that simultaneously energizes a large number of lights can momentarily reduce the vehicle's voltage. Similarly the simultaneous removal of these loads can cause high alternator output voltage transients which may damage sensitive electronic equipment. The LOAD MANAGER sequencer assures that loads are applied and removed gradually, thus eliminating the possibility of inducing failures in the vehicle's equipment. The load manager shall be a precision, solid state controller which sequentially switches "ON" seven relays at 1/2 second intervals. Individual switches shall enable the operator to select output "ON or "OFF" status, at any time. The sequencer shall be initiated by the "Emergency Master" switch. The sequencer priority shall be set at the pre-build conference. The aforementioned LOAD MANAGER shall monitor the vehicles battery voltage. When the electrical loads have exceeded the charging system output, the voltage falls. When the voltage falls to 11.5 volts, the LOAD MANAGER will begin to shed up to five loads. The load shed priority shall be set by the circuit significance, followed closely by circuit draw. The LOAD MANAGER will shed loads until the voltage level begins to rise. A LOAD MANAGER bypass switch shall be installed on the circuit board to override. The device Warranty shall be covered by the device manufacturer for a period of three years.

Bidder Complies YES_____ NO_____

ENGINE COVER CONSOLE: The OEM Ford engine cover console shall have an ABS cover. The cover shall be contoured matched to the OEM console. The cover shall be attached to the OEM console with Phillips heads fasteners.

Bidder Complies YES_____ NO_____

FLEX SHAFT LIGHT: A 12 Volt Osram flex shaft light shall be mounted on the passenger's side of the cab console, near the dash to illuminate the area in front of the passenger without distracting the driver. The light head shall pivot about the shaft.

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.

Bidder Complies YES_____ NO_____

GAUGE PACKAGE:

AMMETER: The charging system condition shall be indicated through a conventional two inch diameter, analog type gauge. The ammeter shall utilize a sender as described under the alternator paragraph specified herein. The display shall be illuminated when the head light switch is turned on to the "park light" or "head light" position. The meter shall read +/- 300 amp.

Bidder Complies YES_____ NO_____

VOLT METER: The charging system voltage condition shall be indicated through a conventional two inch diameter, analog type gauge. The volt meter 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 back lighted "Compt Open" light shall be engraved in the cab console's main switch panel. This light color shall be AMBER. The light shall meet current Federal Specification KKK-A-1822.

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_____

BATTERY POWER "ON" INDICATOR LIGHT: An indicator light, labeled "Amb Pwr" shall be engraved in the cab console's main switch panel. The light color shall be GREEN. The light shall meet current Federal Specification KKK-A-1822.

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 back lighted "Door Ajar" light shall be engraved in the cab console's main switch panel. This light color shall be RED. The light shall meet current Federal Specification KKK-A-1822.

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_____

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

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_____

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 dielectric anti corrosion spray applied.

Bidder Complies YES_____ NO_____

12 VOLT POWER INVERTER: A highly reliable Vanner 1050CUL electronic power conversion unit that utilizes MOSFET power semiconductors and a micro processor controller shall be supplied, installed and wired to the outlets specified herein. A Built in 30A automatic transfer switch shall transfer all loads from the inverter to the shore line, when the shore line cord is plugged into 125 vac shoreline power. The device shall convert 12 volt DC battery power into 1,050 watts of precisely regulated modified sine wave 125 volt AC power. The device shall hold output power between 114 volts and 126 volts AT a frequency of 59.9 to 60.1 Hertz. The device shall not consume more than 105 amperes at 12 volts direct current (DC). The device shall be certified by Underwriters Laboratories to the present revision of the Federal Specification KKK-A-1822. The location of the inverter is specified below.

Bidder Complies YES_____ NO_____

POWER SOURCE FOR PORTABLE EQUIPMENT No 1: Positive and Negative polarity fourteen gauge wires shall be supplied and installed for subsequent storage of portable equipment. The wires shall have 36" tails and be barreled off and protected by a tem (10) ampere automatic reset circuit breaker.

LOCATIONS: The power sources shall be located (1) console, in the cab and (1) behind the A/A 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.

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

Bidder Complies YES_____ NO_____

LOW VOLTAGE INDICATOR: There will be an amber indicator light located in the cab console to illuminate if the vehicle voltage drops below 11.8 volts DC. If the voltage remains under 11.8 volts DC in excess of 120 seconds, there shall be a warning buzzer in addition to the light.

Bidder Complies YES_____ NO_____

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.

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

LOCATION: The power source shall be located behind the passenger's seat, 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.

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

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

Bidder Complies YES_____ NO_____

COMMUNICATIONS

COMMUNICATIONS RADIO ANTENNA PRE-COAX No 1: This coaxial cable shall be RG58-U type. Leave an 18 service loop at the mod roof and a 36 tail at the interior termination point. A tag shall specify the other termination point for each coax provided.

ORIGINATION POINT: The Coaxial cable shall originate on the module roof. The port location shall be centered side to side and approximately 36" back from the front edge of the module roof.

TERMINATION POINT: The Coaxial cable shall terminate in the cab / drivers' cabin behind the passenger seat.

Bidder Complies YES_____ NO_____

COMMUNICATIONS RADIO ANTENNA PRE-COAX No 2: This coaxial cable shall be RG58-U type same as #1.

ORIGINATION POINT: The Coaxial cable shall originate on the module roof. The port location shall be centered side to side and approximately 36" back from the front edge of the module roof.

TERMINATION POINT: The Coaxial cable shall terminate in the action area console, located in the patient cabin, above the main work station.

Bidder Complies YES_____ NO_____

COMMUNICATIONS RADIO ANTENNA PRE-COAX No 3: This coaxial cable shall be RG58-U type same as #1.

ORIGINATION POINT: The Coaxial cable shall originate on the module roof. The port location shall be centered side to side and centered front to rear, on the module roof.

TERMINATION POINT: The Coaxial cable shall terminate in the action area console, located in the patient cabin, above the main work station.

Bidder Complies YES_____ NO_____

COMMUNICATIONS RADIO ANTENNA PRE-COAX No 4: This coaxial cable shall be RG58-U type same as #1.

ORIGINATION POINT: The Coaxial cable shall originate on the module roof. The port location shall be centered side to side and approximately 36" forward of the rear edge of the module roof.

TERMINATION POINT: The Coaxial cable shall terminate in the cab / drivers' cabin behind the driver seat.

Bidder Complies YES_____ NO_____

COMMUNICATIONS RADIO ANTENNA PRE-COAX No 5: This coaxial cable shall be RG58-U type same as #1.

ORIGINATION POINT: The Coaxial cable shall originate on the module roof. The port location shall be centered side to side and approximately 36" forward of the rear edge of the module roof.

TERMINATION POINT: The Coaxial cable shall terminate in the cab / drivers' cabin behind the driver seat.

Bidder Complies YES_____ NO_____

COMMUNICATIONS RADIO ANTENNA PRE-COAX No 6: This coaxial cable shall be RG58-U type same as #1.

ORIGINATION POINT: The Coaxial cable shall originate on the module roof. The port location shall be centered side to side and approximately 36" forward of the rear edge of the module roof.

TERMINATION POINT: The Coaxial cable shall terminate in the cab / drivers' cabin behind the driver seat.

Bidder Complies YES_____ NO_____

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 nonconductive, spiraled rigid coil designed to maintain the original shape of the liner, throughout the length of the conduit run.

ORIGINATION POINT: The aforementioned conduit shall originate inside the main electrical cabinet.

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

Bidder Complies YES_____ NO_____

CONDUIT No 2: One and one-half inch diameter. The conduit quality shall be as described for conduit No 1.

ORINATION POINT: The aforementioned conduit shall originate inside the main electrical cabinet.

TERMINATION POINT: The aforementioned coaxial cable shall terminate in the cab behind the driver's seat.

Bidder Complies YES _____ NO _____

125 VOLT - SHORE-LINE SYSTEM

SHORE LINE INLET: The primary 125 Volt shore line inlet, rated at 30 Amperes shall be supplied. The plug style shall be a twist-lock style (NEMA L5-30) with a ground. This inlet shall be protected with a weather proof, gray colored cover.

Bidder Complies YES _____ NO _____

INLET LOCATION: Rear of body

Bidder Complies YES _____ NO _____

BLOCK HEATER WIRING: The O.E.M. Block heater shall be wired to the shoreline. A 20 ampere, 125 volt female cord type plug shall be supplied so that the block heater can be disabled during warmer months.

Bidder Complies YES _____ NO _____

INTERIOR 125 Volt Alternating Current (AC) OUTLETS:

125 VAC OUTLETS: 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, galvanized steel back box with a minimum of one and three quarter inch of box depth. The outlet cover shall be stainless steel. The outlet and Back Box must be grounded and protected by a G.F.I. (Ground Fault Interrupted) Breaker. Additionally 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 _____

125 VAC OUTLET No. 1:

OUTLET LOCATION: This 125 Volt outlet shall be located in the patient cabin's main "Action Area", on the back wall.

OUTLET ORIENTATION: The outlet shall be oriented vertically in the location

defined above. The U-shaped ground connector socket shall be at the TOP of the outlet.

Bidder Complies YES_____ NO_____

125 VAC OUTLET No. 2:

OUTLET LOCATION: This 125 Volt outlet shall be located in the patient cabin's main "Action Area", on the back wall.

OUTLET ORIENTATION: The outlet shall be oriented vertically in the location defined above. The U-shaped ground connector socket shall be at the TOP of the outlet.

Bidder Complies YES_____ NO_____

125 VAC OUTLET No. 3:

OUTLET LOCATION: This 125 Volt outlet shall be located in the on the interior curb side, within the main wall panel and just above the top of the squad bench. The location of the outlet shall be defined on the proposal drawings.

OUTLET ORIENTATION: The outlet shall be oriented vertically in the location defined above. The U-shaped ground connector socket shall be at the TOP of the outlet.

Bidder Complies YES_____ NO_____

125 VAC OUTLET No. 4:

OUTLET LOCATION: This 125 Volt outlet shall be located in the patient cabin's, telemetry area that is located just aft of the street side CPR side seat. The outlet shall be mounted on the back wall so that the depth of the back box does not protrude into adjacent cabinets.

The location of the outlet shall be defined on the proposal drawings.

OUTLET ORIENTATION: The outlet shall be oriented vertically in the location defined above. The U-shaped ground connector socket shall be at the TOP of the outlet.

Bidder Complies YES_____ NO_____

HEATER 125 VOLT: A 115 volt ceramic 5200 BTU., 1500 Watt heater shall be provided. The heater shall be mounted in the attendant seat base, facing the curb side wall. Heater installations facing rearward is unacceptable due to fire hazards related with cot liners. Located in the ALS

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.

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

OUTLET ORIENTATION: The outlet shall be oriented vertically in the location defined above. The U-shaped ground connector socket shall be at the TOP of the outlet.

Bidder Complies YES_____ NO_____

POWER SOURCE: The input for the aforementioned outlet shall be wired directly to the vehicle batteries.

Bidder Complies YES_____ NO_____

12 VOLT OUTLET No 2: This outlet shall be wired the same as outlet #1.

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

OUTLET ORIENTATION: The outlet shall be oriented vertically in the location defined above. The U-shaped ground connector socket shall be at the TOP of the outlet.

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

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

OUTLET LOCATION: This 12 Volt outlet shall be located inside of the right front A.L.S. 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.

OUTLET ORIENTATION: The outlet shall be oriented vertically in the location defined above. The U-shaped ground connector socket shall be at the TOP of the outlet.

Bidder Complies YES_____ NO_____

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

Bidder Complies YES _____ NO _____

ELECTRONIC SIREN: The siren control head shall feature a rocker type power switch, rotary function/Mode switch, a Manual momentary button switch, Diagnostic indicator lights a hardwired microphone and a microphone volume control potentiometer. The eight-position rotary switch shall feature the following modes:

The siren hardware shall consist of an amplifier and a remote mounted control head, Whelen WS295SLSA1(or equivalent). The two channel siren amplifier shall operate two 100 watt RMS speaker drivers: RAD, PA, MAN, HF, WAIL, YELP, PIER.

Bidder Complies YES _____ NO _____

SIREN HEAD LOCATION: The siren head shall be located in a molded in position of the front edge of the engine cover console.

Bidder Complies YES _____ NO _____

SIREN SPEAKERS: Each speaker shall have a 100 watt driver and shall emit through the cast aluminum horn, specifically designed to custom fit against the contours of the O.E.M. Front bumper. The cast horn to bumper fit shall be tight and aesthetically pleasing. The edges of each hole, in the bumper, shall be clean and shall have rust preventative treatment, prior to final installation of the speakers. The siren and speakers shall meet or exceed current Federal KKK-A-1822.

Bidder Complies YES _____ NO _____

SIREN OR HORN SELECTOR SWITCH: The O.E.M. horn ring shall control the O.E.M. electric horn and the siren's manual momentary input controls. A switch shall connect the horn ring to either the O.E.M. 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 _____

GENERAL CABINET CONSTRUCTION

SUBSTRATES: The interior cabinets and components shall be constructed of Formaldehyde free, exterior grade, A-A plywood. The glue line between the layers shall be phenolic based. The glue shall be of similar chemical make up to the phenolic glue used in Marine grade plywood, as designated by the A.P.A. (American Plywood Association). The

exposed layers shall be hard wood on both sides of the sheet. The layers shall be 99% void free. Cabinet cases shall be made from at least (1/2) thick, 5-ply plywood. Bench lids and doors shall be made from at least (3/4) thick, 7-ply plywood.

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 F.M.V.S.S. #302 (Burn rate of interior components). Color selection shall be specified at the pre-build conference. Laminate Color shall be gloss white.

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 water proof 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. Additionally 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 gapless, 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. Additionally, 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 identified as Lexan. 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 polycarbonate 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. Additionally the corners of the assembly shall have drive-in corner splines. Each spline shall be riveted into place. All extrusions shall be anodized.

Bidder Complies YES_____ NO_____

HINGED POLYCARBONATE DOORS: Polycarbonate shall hereinafter be identified as Lexan. The polycarbonate 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 facia on the outside.

Bidder Complies YES_____ NO_____

BULKHEAD, PATIENT / DRIVER CABIN: A permanent partition shall be installed between the driver's cabin and the patient cabin. The partition shall be through bolted

through cab extension structural C-channels. The C-channels shall be integrated into the front section of the module body. The channel flanges shall be directed toward the cab interior to permit through bolting of the bulkhead panel and cabinetry.

WALK THROUGH: The access opening shall be at least 17 1/2" Wide by 46 1/2" High. The walk through shall exceed current Federal specification KKK-A-1822.

Bidder Complies YES _____ NO _____

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

Bidder Complies YES _____ NO _____

POLYCARBONATE COLOR: The polycarbonate throughout the vehicle shall be transparent with a gray medium tint. All doors shall be at least three sixteenths of one inch thick (3/16"), shatter proof and scratch resistant. The edges of the door shall be worked and burned smooth. The material shall be flexible enough to be cold formed (Bent) at ninety degrees, without fracturing the material.

Bidder Complies YES _____ NO _____

HANDLES, POLYCARBONATE 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: EVS, Child Safety Seat, 3-Pt, ILOS

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, 3-point that is supplied and tested by the seat manufacturer as a complete package.

Bidder Complies YES _____ NO _____

SEAT BASE: There shall be a powder coated metal seat that is tested to be utilized with the integrated Child Safety 4-point harness that is hidden behind the removable back pad. The metal base shall be concealed behind a wood substrate with mica laminate to be color keyed to the patient area interior. There shall be a flush mounted wood door on a stainless steel hinge with a spring loaded lever latch.

Bidder Complies YES _____ NO _____

SOLID HINGED DOOR: A 3/4" (19mm) thick door shall be supplied on the aforementioned 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 facia 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 mitre 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_____

HINGE: 1 1/2" Stainless Steel Piano Hinge

LOCKING LATCH: A positive latch shall be supplied and installed on the aforementioned cabinet door. The latch shall be powder coated Black and be near flush when in the "Closed" position. The latch shall be fitted with a cylinder type lock that prevents door latch activation, when locked. Door latch activation shall be triggered by depressing a flush fitted release button that unlatches a lever. The spring loaded lever shall rotate about an axis near the surface of the door panel and extended a rotating pawl behind the latch side door frame. The depth of the pawl shall be adjustable to the latch side door frame. A small "preload" on the latch shall be imposed to prevent the door from rattling.

Bidder Complies YES_____ NO_____

ARM RESTS: The aforementioned captains' chair attendant seat shall have an arm rest for both arms of the seated attendant. The arm rests shall swivel upward to facilitate easy egress.

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 on the floor behind the Attendant seat. 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_____

BULKHEAD UPPER CABINET: This cabinet shall be located behind and over the seated attendant. The access door shall be hinged along the top with a "C" shaped handle at the bottom. The hinges to be reel torque style and there shall be an adjustable roller ball grabber catch to hold the door in the closed and latched position.

Bidder Complies YES_____ NO_____

BULKHEAD UPPER CABINET: This cabinet shall be located behind and over the seated attendant. The access door shall be hinged along the top with a "C" shaped handle at the bottom. The hinges to be reel torque style and there shall be an adjustable roller ball grabber catch to hold the door in the closed and latched position.

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

LEFT FRONT CABINET, CABINET "H": Cabinet "H" is the electrical cabinet behind the attendant seat on top of the AC Unit. This cabinet will house the modular electrical components to include two air vents in the door.

Bidder Complies YES_____ NO_____

PLASTIC VENT: A fifteen square inch free air flow ventilation hole be cut into the above door. The edges of the cut out shall be banded. The hole shall be covered with an aesthetically appealing, molded plastic louver cover. The louver cover shall be black in color and secured with at least one No 8 screw in each corner.

Bidder Complies YES_____ NO_____

SOLID HINGED DOOR: A 3/4" (19mm) thick door shall be supplied on the aforementioned 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 facia 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 mitre 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 right edge of the door.

Bidder Complies YES_____ NO_____

HINGE: 1 1/2" Stainless Steel Piano Hinge

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_____

RIGHT FRONT CABINET:

RIGHT FRONT CABINET: The right front cabinet is hereinafter known as ALS cabinet.

All fixed and adjustable shelf surfaces shall be covered in Easy Grip material. All cabinet interior walls and ceiling shall be finished in white laminate. All fixed and adjustable shelf lips shall be covered with anodized aluminum trim. All shelves shall have a 3/4 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 right front patient area. **SINGLE FLIP UP POLYCARBONATE DOOR:** Single 3/8" (0.375 in) thick, overlay flip up door shall be supplied on the cabinet.

Bidder Complies YES_____ NO_____

CABINET I-2: The middle section shall be custom. This cabinet shall meet current Federal specification KKK-A-1822. Access from the inside shall be as follows below. **DOUBLE SOLID HINGED DOORS WITH POLYCARBONATE INSERT:** Two

oppositely hinged, 3/4" (19mm) thick door frames, with a 3/16" (0.188) thick transparent inserts shall be supplied on the aforementioned cabinet. The substrate of the door frames shall be 7-ply, A-A (Cabinet grade), hardwood plywood. The door frames shall be drop cut from one piece of plywood, laminated on both sides and mated to the transparent, polycarbonate inserts secured on the backside (inside) of the door. The doors shall be flush fitted to the opening and have uniform gap spacing around the perimeter of the doors. Each door shall be hung on a continuous, stainless steel piano hinges with mounting screws, spaced every two inches along the full length of each pre-punched hinge. Each door shall be finished on both sides with white cabinet liner laminate on the inside and the same colored mica as the cabinet facia 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 mitre 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. This will allow for the dual doors to be hinged open left and right for full cabinet access without the use of a large single door.

Bidder Complies YES_____ NO_____

C-HANDLES: The door shall be fitted with a four inch wire pull with a brushed chrome finish.

Bidder Complies YES_____ NO_____

DOOR CATCH: An opposing ball bearing catch shall be supplied and installed on the cabinet door. The catch body shall be made of brass with Built in tension adjustment to relax or intensify the "grip" on the door.

Bidder Complies YES_____ NO_____

HINGE: 1 1/2" Stainless Steel Piano Hinge

OUTSIDE ACCESS: This cabinet shall have outside access through the right front compartment door.

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 cabinet shall be equipped with four aluminum shelf standards. The shelf standards shall be adjustable in one-half inch increments.

Bidder Complies YES _____ NO _____

ALS ADJUSTABLE SHELVES: A 20 mil, abrasion resistant, durable, textured plastic film shall be hereinafter referred to as Easy Grip. This adjustable shelf surfaces shall be covered in Easy Grip material to minimize the appearance of wear patterns.

Two adjustable shelves shall be supplied in the aforementioned cabinet. Each shelf shall be made of 1/2" (13mm) thick, 5-ply plywood with a 3/4" Lip on all edges facing an access opening. The top of each shelf and inside the aforementioned lips shall be finished in "Easy Grip". The outwardly exposed edges and the bottom of the shelf shall be finished in white colored cabinet liner laminate. Additionally the shelf shall be trimmed in anodized aluminum "lip over" trim. The trim shall cover the top surface of the 3/4" lips and the perimeter of the shelf bottom.

Each shelf shall be secured with four (4) shelf clips to the incrementally adjustable shelf standard tracking on the sides of the cabinet. There shall be two shelf standards are both left and right sides of the adjustable shelf. Fixed Shelf with J-trim (Install even with bottom of the left door)

Bidder Complies YES _____ NO _____

CABINET I-3: The lower section be custom drawers. Must meet current Federal specification KKK-A-1822. Access from the inside shall be as follows below.

CABINET-DRAWER: The aforementioned cabinet shall be fitted with a rollout drawer. The drawer body shall be constructed of 12mm (1/2") thick A-A cabinet grade plywood. This includes both sides back and bottom. The drawer body shall be laminated on ALL surfaces inside, outside and on all edges. (Including the bottom). The laminate shall be 28 mil white colored mica. The laminate shall be bonded to the drawer body with high bond contact adhesive specifically formulated for this application. The drawer body shall maximize the interior cabinet volume. The drawer body height shall be the height of the cabinet opening less one and one-half (1 1/2"). Vinyl or pressed particle board drawer bodies are unacceptable due to weight and durability constraints.

Bidder Complies YES _____ NO _____

DRAWER FRONT: A 3/4" (19mm) thick drawer front shall be fitted on the aforementioned drawer. The substrate shall be 7-ply, A-A (Cabinet grade), hardwood plywood. The drawer front shall be flush fitted to the opening and have uniform gap spacing around the perimeter. The drawer front shall be hung on the drawer body with two inch long mounting screws, spaced every three inches along the sides and bottom of the drawer body. The drawer front shall be finished on both sides with white cabinet liner laminate on the inside and the same colored mica as the cabinet facia 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 mitre 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_____

LOCKING LATCH: A positive latch shall be supplied and installed on the aforementioned cabinet door. The latch shall be powder coated Black and be near flush when in the "Closed" position. The latch shall be fitted with a cylinder type lock that prevents door latch activation, when locked. Door latch activation shall be triggered by depressing a flush fitted release button that unlatches a lever. The spring loaded lever shall rotate about an axis near the surface of the door panel and extended a rotating pawl behind the latch side door frame. The depth of the pawl shall be adjustable to the latch side door frame. A small "preload" on the latch shall be imposed to prevent the door from rattling.

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_____

OUTSIDE ACCESS DELETION: This cabinet level shall NOT have outside access through the right front compartment door. This level shall be blocked off from outside access for security.

RIGHT REAR COMPARTMENT COVER:

RIGHT REAR COMPARTMENT COVER: All exposed surfaces of this patient area side of the M5 compartment 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 to protect occupants sitting on the squad bench. 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_____

SQUAD BENCH

SQUAD BENCH: A squad bench shall be installed on the curbside of the patient compartment. Seating shall be installed as described within these specifications. All seat belts and anchorage shall comply with F.M.V.S.S. 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 supplied and installed in the squad bench. 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 enclosed and secured in a molded enclosure, free of crevices. The molded enclosure shall be covered with a red lexan hinged door, inset a molded in perimeter rim. The door pull shall be full length. A white colored "Bio-waste" symbol and legend shall be applied to the door.

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_____

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_____

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 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.

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 _____

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 thicknesses 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_____

TOP (UPPER) CABINETS – STREET SIDE

CABINET "A": An upper, interior cabinet shall be provided directly over the rearward section of the Base wall cabinet. This cabinet shall accommodate a power air exhaust blower with a removable service panel. 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_____

SHELF STANDARDS: The cabinet shall be equipped with four aluminum shelf standards. The shelf standards shall be adjustable in one-half inch increments.

Bidder Complies YES_____ NO_____

ADJUSTABLE SHELF: A shelf shall be supplied in the cabinet. The shelf shall be made of 1/2" thick, 5-ply plywood 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_____

SLIDING POLYCARBONATE DOORS: The cabinet shall be equipped with two sliding 3/16" polycarbonate doors within a closed anodized aluminum track/frame. The sliding polycarbonate door track shall be an extruded, anodized aluminum shape designed to accommodate a flopped, felt type track for the doors to slide in and lightly resist movement. The mitered corners shall be splined together and riveted. The extrusion shape shall cover one half of one inch of cabinet fascia around the perimeter of the track frame.

Bidder Complies YES_____ NO_____

HANDLES, POLYCARBONATE 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_____

CABINET "B": 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_____

SHELF STANDARDS: The cabinet shall be equipped with four aluminum shelf standards. The shelf standards shall be adjustable in one-half inch increments.

Bidder Complies YES_____ NO_____

ADJUSTABLE SHELF: A shelf shall be supplied in the cabinet. The shelf shall be made of 1/2" thick, 5-ply plywood 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_____

SLIDING POLYCARBONATE DOORS: The cabinet shall be equipped with two sliding 3/16" polycarbonate doors within a closed anodized aluminum track/frame. The sliding polycarbonate door track shall be an extruded, anodized aluminum shape designed to accommodate a flocked, felt type track for the doors to slide in and lightly resist movement. The mitered corners shall be splined together and riveted. The extrusion shape shall cover one half of one inch of cabinet fascia around the perimeter of the track frame.

Bidder Complies YES_____ NO_____

HANDLES, POLYCARBONATE 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_____

BASE WALL CABINET

BASE WALL CABINET: The base wall cabinet is located on the Street side (Left side) of the patient cabin. 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 SURFACE TYPE: The action area shall be finished with the primary color laminate.

Bidder Complies YES_____ NO_____

CABINET "C": An interior cabinet shall be provided at the rear end of the base cabinet on the street side. This cabinet interior shall be finished in high impact, white colored laminate. Must meet current Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

SLIDING POLYCARBONATE DOORS: The cabinet shall be equipped with two sliding 3/16" polycarbonate doors within a closed anodized aluminum track/frame. The sliding polycarbonate door track shall be an extruded, anodized aluminum shape designed to accommodate a flocked, felt type track for the doors to slide in and lightly resist movement. The mitered corners shall be splined together and riveted. The extrusion shape shall cover one half of one inch of cabinet fascia around the perimeter of the track frame.

Bidder Complies YES_____ NO_____

HANDLES, POLYCARBONATE 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_____

CABINET ACCESS: The above cabinet shall be accessible through the inside and outside of the module. Exterior Access shall be made through a separate right front compartment door. Exterior access common to enlarged entry doors are not acceptable.

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. Must meet current Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

SHELF STANDARDS: The cabinet shall be equipped with four aluminum shelf standards. The shelf standards shall be adjustable in one-half inch increments.

Bidder Complies YES_____ NO_____

ADJUSTABLE SHELF: A shelf shall be supplied in the cabinet. The shelf shall be made of 1/2" thick, 5-ply plywood 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_____

SLIDING POLYCARBONATE DOORS: The cabinet shall be equipped with two sliding 3/16" polycarbonate doors within a closed anodized aluminum track/frame. The sliding polycarbonate door track shall be an extruded, anodized aluminum shape designed to accommodate a flocked, felt type track for the doors to slide in and lightly resist movement. The mitered corners shall be splined together and riveted. The extrusion shape shall cover one half of one inch of cabinet fascia around the perimeter of the track frame.

Bidder Complies YES_____ NO_____

HANDLES, POLYCARBONATE 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_____

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 POLYCARBONATE DOORS: The cabinet shall be equipped with two sliding 3/16" polycarbonate doors within a closed anodized aluminum track/frame. The sliding polycarbonate door track shall be an extruded, anodized aluminum shape designed to accommodate a flocked, felt type track for the doors to slide in and lightly resist movement. The mitered corners shall be splined together and riveted. The extrusion shape shall cover one half of one inch of cabinet fascia around the perimeter of the track frame.

Bidder Complies YES_____ NO_____

HANDLES, POLYCARBONATE 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_____

CABINET ACCESS: The above cabinet shall be accessible through the inside and outside of the module. Exterior Access shall be made through a separate right front compartment door. Exterior access common to enlarged entry doors are not acceptable.

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_____

SLIDING POLYCARBONATE DOORS: The cabinet shall be equipped with two sliding 3/16" polycarbonate doors within a closed anodized aluminum track/frame. The sliding polycarbonate door track shall be an extruded, anodized aluminum shape designed to accommodate a flocked, felt type track for the doors to slide in and lightly resist movement. The mitered corners shall be splined together and riveted. The extrusion shape shall cover one half of one inch of cabinet fascia around the perimeter of the track frame.

Bidder Complies YES_____ NO_____

HANDLES, POLYCARBONATE 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_____

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_____

TELEMETRY AREA: A four inch wide upholstery covered and padded arm rest shall be installed. The arm rest shall create a 3/4" to 1" lip on the leading edge of the telemetry area.

Bidder Complies YES_____ NO_____

TELEMETRY AREA SURFACE TYPE: The "Telemetry area" shall be finished with the primary color laminate.

Bidder Complies YES_____ NO_____

CABINET O1 and O2: 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_____

LOCKING METAL DRUG BOX: Locking drug box supplied 10 x 12. Note: Changing Cabinet Door.

SLIDING POLYCARBONATE DOORS: The cabinet shall be equipped with two sliding 3/16" polycarbonate doors within a closed anodized aluminum track/frame. The sliding polycarbonate door track shall be an extruded, anodized aluminum shape designed to accommodate a flocked, felt type track for the doors to slide in and lightly resist movement. The mitered corners shall be splined together and riveted. The extrusion shape shall cover one half of one inch of cabinet fascia around the perimeter of the track frame.

Bidder Complies YES_____ NO_____

HANDLES, POLYCARBONATE 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_____

RESTRAINT SYSTEM(S): The Seat Belt System(s) shall be in the following locations: There are to be three 2-point restraints on the Squad Bench.

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 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_____

There are to be one 2-point restraint on the CPR Side Seat.

Bidder Complies YES_____ NO_____

FLOOR AND SUBSTRATE: The floor of the module shall be (3/4) thick 7-Ply, Formaldehyde free, exterior grade, A-C plywood. The glue line between the layers shall be phenolic based. The glue shall be of similar chemical make up to the phenolic glue used in Marine grade plywood, as designated by the A.P.A. (American Plywood Association).

Bidder Complies YES_____ NO_____

FLOOR COVERING: The floor substrate shall be free of dents, voids and moisture prior to application of the floor covering. The plywood substrate shall be 3/4" (19mm) 7-ply exterior grade plywood. The substrate sheet shall be cut from a 60 inch wide by 144 inch long oversized sheet. 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. On longer bodies, the only ONE seam is permitted as long as the full length of the seam is located directly over the center of a 0.250 x 2 x 3 box tube floor member AND the seam does not fall in the aforementioned "High Traffic" areas. The floor covering shall be one piece throughout the patient cabin regardless of the body length. The flooring material shall be commercial grade sheet floor with diamond plate like impression on the surface. The floor covering shall be Lonseal Lonplate No 161 "Metallic Gray"

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

PRIMARY COT MOUNT: The main cot mount shall be a dual position, Stryker model No 6377. The mounts shall be set in the center of aisle and seven inches (7) left of center position.

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 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. All cot plate structure shall be continuously welded to the floor structure members. Bolt tapping is acceptable ONLY over blind areas, where through bolting would require removal of the rear fuel tank AND access has been blocked off by permanent, critical structure or components. Plate tapping shall not be done unless the plate is at least one (1") inch thick. 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 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 _____

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 _____

COT LOCATION No 2: This cot position shall be set up for a primary wheeled cot set approximately eight inches left of center laterally (side to side) in the aisle or as close to the left side wall cabinet as practical. 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 Federal KKK-A-1822.

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, 1/4 inside diameter with an abrasion resistant, green colored outer jacket. The hose manufacturer's name, part number, inside dimension and working pressure rating shall be permanently marked along the entire length of the hose. 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 P.S.I. And shall be leak tested at 150 P.S.I. Per Federal specification KKK-A-1822. Pressure drop across the outlet shall be less than 2.0 P.S.I. 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.

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.

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.

LOCATION: The aforementioned 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 Ferno Washington model 521 or a approved, certified equal with the following minimum features and quality level shall be installed in the location specified below. This universal, adjustable portable cylinder rack shall be supplied and installed to accommodate one cylinder. The bottle rack shall accommodate either D-size, Jumbo D-size or E-size cylinders made of steel OR aluminum. The entire rack shall be constructed of heavy gauge stainless steel and aluminum alloy. The rack design shall include a stainless steel cylinder neck restraint that does not interfere with oxygen regulator controls. A heavy duty nylon strap and metal buckle shall keep the cylinder into the rack. The rack shall be through bolted to reinforced, structural members or brackets that tie in directly to the body of the ambulance.

Bidder Complies YES_____ NO_____

PORTABLE CYLINDER BRACKET : None Supplied with completed vehicle

Bidder Complies YES_____ NO_____

MAIN CYLINDER RESTRAINT No 1: One user supplied M-size compressed medical gas cylinder shall be carried and secured, vertically inside the left front exterior compartment. Cylinder rack shall be through bolted to the back wall. A rust free cylinder rack with (2) heavy duty pull style, web straps with quick spring loaded release shall be type tested to AMD Test 003 Oxygen Tank Retention system Test. The cylinder valve shall also be visible and accessible from the inside through a clear polycarbonate door.

Bidder Complies YES_____ NO_____

NECK STRAP: There shall be an additional webbed strap looped onto the racks upper most securing strap. The strap is to have two loops. The bottom loop will be the section secured to the upper most strap and the upper loop shall be secured onto the neck of the oxygen or medical air bottle to help secure it in place in the case of an upward exertion.

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_____

CYLINDER 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_____

VACUUM SYSTEM:

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 secured in a "boxed in" padded shelf.

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_____

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.

Bidder Complies YES_____ NO_____

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 ACCESS INTERIOR RELEASE: NONE

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.

CURB SIDE ENTRY DOOR GRAB HANDLE: The curbside entry door shall be equipped with a two point, 1 ¼ diameter, stainless steel, 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, handicap style grab handle to aid in door closure and entry assistance. The handle shall measure at least ten 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_____

DOOR PANELS: The inside door panels shall be made of .080 aluminum diamond plate. The edges of the diamond plate 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 screw shall have a neoprene lock washer.

Bidder Complies YES_____ NO_____

CURBSIDE LOWER DOOR PANEL: The inside door panel shall be made of .080 aluminum diamond plate. The edges of the diamond plate 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 screw shall have a neoprene lock washer.

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. 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. Window will be fixed position. All glass shall be tinted safety glass.

Bidder Complies YES_____ NO_____

WALK THROUGH DOOR: The walk through door specified here in shall comply with current Federal specification KKK-A-1822. The door will slide on parallel extruded aluminum tracks, behind the passenger's seat in the cab. The door shall be fastened to a glide plate featuring nylon wheels specifically designed for the track. A upper and lower track is required.

The door substrate shall be (3/4") exterior grade, A-A plywood and laminated with color matching laminate.

The door shall be fitted with a sliding polycarbonate window assembly with a minimum see through area of 150 square inches. An adjustable tension, brass bodied CATCH will hold the door OPEN and a slam action LATCH to hold the door closed. The latch shall be installed on the cab side of the door.

Bidder Complies YES_____ NO_____

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

Bidder Complies YES_____ NO_____

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 to the top of the action area board.

Bidder Complies YES_____ NO_____

UPHOLSTERY

UPHOLSTERY MATERIALS: All padding and upholstered seating shall be covered in 36 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.

Bidder Complies YES_____ NO_____

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 36 ounce vacuum form ready vinyl per the specification. The color of the vinyl shall be 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 street side of the patient compartment shall be manufactured of 1/4" luan non voided plywood with padding and covered with 36 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 be 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 preformed 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 hardwood plywood 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 hardwood plywood 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 hardwood plywood 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.

Bidder Complies YES_____ NO_____

PAINT SYSTEM TYPE: The paint shall be Poly-Urethane type electrostatic application process is required and 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 overspray.

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, overspray 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."

Bidder Complies YES_____ NO_____

MECHANICAL ADHESION PROMOTER: The entire module shall be degreased. Degreaser shall be applied to manufacturer's recommendations. Body to be inspected for flaws and imperfections and to assure built to order specification's . All surfaces shall be sanded with 150 grit paper and all imperfections repaired.

Bidder Complies YES_____ NO_____

CHEMICAL ADHESION PROMOTER: The module shall be hot-water washed at (140 degrees or greater). Then the aluminum Body shall be treated with Alumi prep 33 acid etching followed by a complete 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 deionized water mixed.

Bidder Complies YES _____ NO _____

PRIMER: Apply 3 coats of BTLV HI Solids Polyurethane. The unit is then baked at 140 degree metal temperature for one hour. Assure minimum at 2 mil thickness. Primer shall be sanded with 360 grit paper to assure flat, orange peel free surface.

Bidder Complies YES _____ NO _____

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.

Bidder Complies YES _____ NO _____

CLEAR COAT: The clear coat shall be manufactured by the same company as the primer and base coat. Three coats of "clear coat polyurethane shall be applied per the manufacturer's instructions.

Bidder Complies YES _____ NO _____

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 Fah. Mix wash primer CR 1:1 with wash hardner.
- 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. Additionally each hole shall be treated with an Electrolysis Corrosion Control compound prior to installation of the nylon inserts. All exterior screws shall be stainless steel.

Bidder Complies YES _____ NO _____

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 36 month Corrosion coverage with no exclusions.

Bidder Complies YES _____ NO _____

REFLECTIVE TAPE: The door frame shall have a three quarter inch (3/4") wide white reflective tape applied to the door frame. The tape shall illuminate the outline shape of the door when the door is opened.

Bidder Complies YES _____ NO _____

PAINT SCHEME AND LETTERING

MAIN BODY COLOR: The main body color shall be Oxford White. 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 SCHEME AND LETTERING

PAINT BELT AND COLORS: The main body color shall be Oxford White with the county logo in silver and blue color stripe size of stripe will be decided prior to painting. The stripe shall originate on the left front fender, following O.E.M. contours, until the belt can become 11 inches high. The belt shall wrap around the body until it terminates on the right front fender, unless specified otherwise in the paragraph below. We also have a design and color scheme that will be given to the elected bid winner for the colors of the belt and design.

Bidder Complies YES _____ NO _____

PAINT BELT TRANSITION: There shall be a 1/8" set back at the transition between the corner post and the body skin. This will eliminate future cracking at the seam.

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_____

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_____

AMICO O2 MINDER, TRANSDUCER: NONE

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_____

AMBULANCE MARKING PACKAGE - ROOF STAR: A 32" roof star shall be included as a part of the lettering and "star of life" symbol decal package (as described in the current Federal specification KKK-A-1822).

Bidder Complies YES_____ NO_____

FIRE EXTINGUISHER: One (5) five pound A-B-C type fire extinguisher shall be supplied loose with the vehicle on delivery.

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, located just above the diamond plate kick plate.

Bidder Complies YES_____ NO_____

REGULATOR: A fixed output medical regulator shall be supplied with the apparatus. The output shall be fixed a 50 psi. 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.

Bidder Complies YES_____ NO_____

Rack, One D or E cylinder, Ferno-Washington #FW 521, EACH, Ship Loose

AMBULANCE STRETCHER: The ambulance shall be supplied with a Stryker 6082 MX-Pro Cot:

Bidder Complies YES_____ NO_____

COT OPTION: Stryker, Mattress, Bolster

COT OPTION: Stryker, Restraint Package, Standard

COT OPTION: Stryker Safety Bar; (with Lift Option)

COT OPTION: Stryker Hook, "J" Hook

COT OPTION: Stryker Rel Hndl Left Hand (Std on cot)

CONVERSION WARRANTY: 7 Year, 70,000 mile Mechanical & Electrical including Workmanship.

Bidder Complies YES_____ NO_____

STANDARD PAINT WARRANTY: 7 Year, 70,000 mile; 36 Month Paint coatings corrosion warranty

Bidder Complies YES_____ NO_____

BODY STRUCTURE WARRANTY – 15 YEARS

Bidder Complies YES_____ NO_____

Red and Yellow chevrons on rear of truck with 3M reflective trim to meet new 2013 specs.

BID PROPOSAL FORM

It is the intent of this proposal to secure a bid for the equipment herein described in the accompanying specifications. The bid price enclosed includes the equipment specified, freight, shipping, delivery and training.

ITEM NO	DESCRIPTION	QUANTITY	PRICE
1	Ambulance and Equipment in accordance with Invitation for Bid issued October 21, 2012.	1	\$ _____ *Do not include tax. Taxes should not be included in bid price.

Manufacturer: _____

Model No: _____

Model Year: _____

Delivery Date: _____

Cab and Chassis Warranty: _____

Body Warranty: _____

FOB: Destination

Freight Costs: Price shall include all shipping and transportation costs.

Delivery Date: Within __ days from date of purchase order.

Company Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Telephone: _____ Fax: _____

Email Address: _____

BID FORM — Page 2 of 2

By signing and submitting this Bid, the Bidder certifies that:

- It is under no legal prohibition on contracting with Rutherford County.
- It has no known, undisclosed conflicts of interest.
- It has read, understands, and is in compliance with the specifications, terms and conditions stated herein, as well as its attachments, and any referenced documents.
- The prices offered were independently developed without consultation or collusion with any of the other Bidders or potential Bidders or any other anti-competitive practices.
- It grants Rutherford County permission to copy all parts of this Offer, including without limitation any documents and/or materials copyrighted by the Offeror, for Rutherford County's internal use in evaluating Offeror's Proposal, or in response to a public records request under North Carolina public records.
- No offer of gifts, payments or other consideration were made to any County employee, officer, elected official, or consultant who has or may have had a role in the procurement process for the services and or goods/materials covered by this contract.
- It will provide the equipment, materials or services specified in compliance with all Federal, State, and Local Statutes and Rules if awarded by the County.
- The signatory is an officer or duly authorized agent of the Bidder with full power and authority to submit binding bids for the goods or services as specified herein.
- It will accept such terms and conditions in a resulting contract if awarded by the County.

Authorized Printed Name: _____

Authorized Signature: _____ Date: _____

****Rutherford County reserves the right to accept or reject any and/or all bids. Prices submitted shall remain firm for a period of 60 days from bid opening date.***

DELIVERY ADDRESS	BILLING ADDRESS
Rutherford County EMS Department Attn: Richard Pettus, Director 174 Fairground Rd Spindale, NC 28160	Rutherford County Attn: Paula Roach, Finance Director 289 North Main Street Rutherfordton, NC 28139

GENERAL TERMS AND CONDITION

- 1. LANGUAGE, WORDS USED INTERCHANGEABLY** - The word County refers to the County of Rutherford, North Carolina throughout this document. Similarly, Bidder, Proposer, Contractor, Vendor, Supplier refers to the person or company submitting an offer to sell its goods or services to the County.
- 2. BID TABULATION AVAILABILITY** — Bid tabulations will available after public bid opening; however, bids will be evaluated at a later time.
- 3. BIDDER QUALIFICATIONS** - No Bid shall be accepted from, and no contract will be awarded to, any person, firm or corporation that is in arrears to the County upon debt or contract, that is a defaulter, as surety or otherwise, upon any obligation to the County, or that is deemed irresponsible or unreliable by the County. If requested, Bidders shall be required to submit satisfactory evidence that they have a practical knowledge of the particular goods/services bid and that they have the necessary financial resources to provide the proposed goods/services as described in this Bid document.
- 4. BID FORM** - Each Bidder must submit an original Bid and additional copies (if required) on the forms attached. The Bidder shall sign his/her Bid correctly, and the Bid may be rejected if it shows any omissions, alterations of the form, additions not called for in the Bid, or any irregularities of any kind. In case of a discrepancy between the unit price and the extended price, the unit price shall prevail.
- 5. SPECIFICATION DEVIATIONS BY THE BIDDER** - Any deviation from the specifications MUST be noted in detail, and submitted in writing on the Bid Form. Completed specifications should be attached for any substitutions offered, or when amplifications are desirable or necessary. The absence of the specification deviation statement and accompanying specifications will hold the Bidder strictly accountable to the specifications as written herein. Failure to submit this document of specification deviation, if applicable, shall be grounds for rejection of the item when offered for delivery. If specifications or descriptive papers are submitted with Bids, the Bidder's name should be clearly shown on each document.
- 6. BIDDER REPRESENTATION** - Each Bidder must sign the Bid with his/her usual signature and shall give his/her full business address on the form provided in this Bid.
- 7. COLLUSIVE BIDDING** - The Bidder certifies that the bid submitted by said Bidder is done so without any previous understanding, agreement or connection with any person, firm, or corporation making a bid for the same contract, without prior knowledge of competitive prices, and it is, in all respects, fair, without outside control, collusion, fraud or otherwise illegal action.
- 8. BROCHURES** - Bids shall include adequate brochures, latest printed specifications and advertising literature, describing the product offered in such fashion as to permit ready comparison with our specifications on an item-by-item basis where applicable.
- 9. SPECIFICATION CHANGES, ADDITIONS AND DELETIONS** - All changes in Bid documents shall be through written addendum and furnished to all Bidders. Verbal information obtained otherwise will **NOT** be considered in awarding of Bids.
- 10. BID CHANGES** - Bids, amendments thereto, or withdrawal requests received after the time advertised for Bid Opening, will be void regardless of when they were mailed.
- 11. INDEMNIFICATION** - The Contractor shall, and hereby agrees to, protect, defend, indemnify and hold harmless the County of Rutherford, its officers and employees from any and all claims, settlements, judgments, and damages of every kind and nature made, to include all costs associated with the investigation and defense of any claim, rendered or incurred by or on behalf of the County, its officers, and employees, that may arise, occur, or grow out of any errors, omissions, or negligent acts, done by the Contractor, its employees, Subcontractors or any independent Consultants working under the direction of either the Contractor or Subcontractor in the performance of this Agreement.
- 12. DELIVERY DATE** - The delivery time or completion date, as stated in the Bid Form, shall be the time required to deliver the complete item(s) after the receipt of the order or award of the Contract. Where multiple items appear on a Bid request, the Bidder shall, unless otherwise stated by the County, show the delivery time for each item separately.

If only a single delivery time is shown, it will mean that all goods included in the Bid can and will be delivered on or before the specified date. The Bidder agrees that the delivery will be completed in the time stated, assuming that the time between the Bid Opening and the placing of the order does not exceed the number of days so stipulated. The right is reserved to reject any Bid in which the delivery time indicated is considered sufficient to delay the operational needs for which the goods/services are intended.

- 13. ACCELERATED PAY DISCOUNTS** - Accelerated discounts should be so stated on the Signature Page. If quick pay discounts are offered, the County reserves the right to include that discount as part of the award criteria. Prices bid must, however, be based upon payment in net thirty (30) days after receipt, inspection and acceptance. In all cases, quick pay discounts will be calculated from the date of the invoice or the date of acceptance, whichever is later.
- 14. AVAILABILITY OF FUNDS** Purchases under this contract beyond the end of the current fiscal year are contingent upon the appropriation of funds for such purposes during the ensuing fiscal year(s).
- 15. BID REJECTION OR PARTIAL ACCEPTANCE.** The County reserves the right to accept or reject any or all Bids. The County further reserves the right to waive technicalities and formalities in Bids, as well as to accept in whole or in part such Bids where it is deemed advisable in protection of the best interests of the County.
- 16. PIGGYBACK PROCUREMENT METHOD.** Upon request, the results of this bid must be extended to any other Rutherford County department. In addition, the opportunity to purchase from this bid may be extended to other government entities. Any such usage must be in accordance with the policies of the respective entity and with the approval of the Contractor. The Contractor may determine it is necessary to charge delivery fees for entities located outside of the southeastern coast of North Carolina. The County is not an agent of, partner to, or representative of these entities and is not obligated or liable for any action or debts that may arise out of such piggyback procurements. Each entity will issue its own purchase order and be responsible for its own payments.
- 17. BID CURRENCY/LANGUAGE** - All bid prices shall be shown in US Dollars (\$). All prices must remain firm for the duration of the contract regardless of the exchange rate. All bid responses must be submitted in English.
- 18. PAYMENTS** .Payments will be made for all goods/services delivered, inspected and accepted net 30 days after receipt of an acceptable original invoice.
- 19. MODIFICATION, ADDENDA AND INTERPRETATIONS** .Any apparent inconsistencies, or any matter requiring explanation or interpretation, must be inquired into by the Bidder in writing prior to the deadline set for questions. Any and all such interpretations or modifications will be responded to in the form of written addenda. All addenda shall become part of the contract documents and shall be acknowledged and dated on the Signature Page.
- 20. LAWS AND REGULATIONS** - The Agreement shall be governed, interpreted and enforced in accordance with all applicable federal, State of North Carolina, and local laws, ordinances, licenses and regulations of a governmental body having jurisdiction and shall apply to the Agreement throughout, as the case may be.
- 21. SUBCONTRACTING** . No portion of this Bid may be subcontracted without the prior written approval by the County.
- 22. ELECTRONIC BID SUBMITTAL** - Bid submittals sent by electronic devices (e.g. facsimile machines, e-mail) are not acceptable and will be rejected upon receipt. Bidders will be expected to allow adequate time for delivery of their bid either by airfreight, postal service, or other means.
- 23. MISCELLANEOUS** - The County reserves the right to reject any and all bids or parts thereof. The County reserves the right to inspect Bidder's facilities prior to the award of this bid. The County reserves the right to negotiate optional items with the successful Bidder.
- 24. MODIFICATION OF AGREEMENT** - No modification of Agreement shall be binding unless made in writing and signed by the County Manager in the form of a contract amendment.
- 25. OVERSHIPMENTS, UNDERSHIPMENTS** . Goods shipped in excess of quantity ordered may be returned at Bidder's expense. Similarly, when under-shipments are received, the County reserves the right to leave the purchase order/contract open until goods are received, or to close the transaction if more cost effective for the County.

26. CANCELLATION - Either party may cancel the award in the event that a petition, either voluntary or involuntary, is filed to declare the other party bankrupt or insolvent or in the event that such party makes an assignment for the benefit of creditors.

27. PATENT GUARANTEE - Bidder shall, with respect to any device or composition of Bidder's design or Bidder's standard manufacture, indemnify and hold harmless the County, its employees, officers, and agents, from costs and damage as finally determined by any court of competent jurisdiction for infringement of any United States Letters Patent, by reason of the sale of normal use of such device or composition, provided that Bidder is promptly notified of all such actual or potential infringement suits, and is given an opportunity to participate in the defense thereof by the County.

28. TERMINATION OF AWARD FOR CAUSE - If through any cause, the Contractor shall fail to fulfill in a timely and proper manner its obligations or if the Contractor shall violate any of the covenants, agreements or stipulations of the award, the County shall thereupon have the right to terminate the award by giving written notice to the Contractor of such termination and specifying the effective date of termination. In that event, and as of the time notice is given by the County, all finished or unfinished goods/services, reports or other materials prepared by the Contractor shall, at the option of the County, become its property, and the Contractor shall be entitled to receive compensation for any satisfactory work completed, prepared documents or materials as furnished. Notwithstanding the above, the Contractor shall not be relieved of liability to the County for damage sustained by the County by virtue of breach of the award by the Contractor and the County may withhold any payments to the Contractor for the purpose of set off until such time as the exact amount of damages due the County from the Contractor is determined.

29. TERMINATION OF AWARD FOR CONVENIENCE - The County may terminate the Agreement at any time by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least thirty (30) calendar days before the effective date of such termination. In that event, all finished or unfinished goods/services, reports, materials(s) prepared or furnished by the Contractor under the Agreement shall, at the option of the County, become its property. If the Agreement is terminated by the County as provided herein, the Contractor shall be paid for all goods/services which have been authorized, provided, and approved up to the effective date of termination. The County will not be subject to any termination fees from the Contractor.

30. FORCE MAJEURE - Force majeure shall be any of the following events: acts of God or the public enemy; compliance with any order, rule, regulation, decree, or request of any governmental authority or agency or person purporting to act therefore; acts of war, public disorder, rebellion, terrorism, or sabotage; floods, hurricanes, or other storms; strikes or labor disputes; or any other cause, whether or not of the class or kind specifically named or referred to herein, not within the reasonable control of the Party affected. A delay in or failure of performance of either Party shall not constitute a default hereunder nor be the basis for, or give rise to, any claim for damages, if and to the extent such delay or failure is caused by force majeure. The Party who is prevented from performing by force majeure shall be obligated, within a period not to exceed fourteen (14) days after the occurrence or detection of any such event, to give notice to the other Party setting forth in reasonable detail the nature thereof and the anticipated extent of the delay, and shall remedy such cause as soon as reasonably possible, as mutually agreed between the Parties.

31. ASSIGNMENT - Bidder shall not assign this order or any monies to become due hereunder without the prior written consent of the County. Any assignment or attempt at assignment made without consent of the County shall be void.

32. EQUAL OPPORTUNITY - The Contractor and all Subcontractors will not discriminate against any employee or applicant for employment because of race, creed, color, sex, religion, national origin, age, marital status, families with children, sexual orientation, disability or handicap, except where age and sex are essential bona fide occupational requirements, or where disability or handicap is a bona fide occupational disqualification.

33. SPECIFIC DELIVERY SCHEDULE County holiday closures are typically New Year's Day, Martin Luther King's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and the day following, Christmas Eve and Christmas Day. Deliveries generally will not be accepted on those dates. (Please note these dates on your calendars for deliveries, sales calls, etc. throughout the year.)

Notice of a late delivery arrival should be made no more than twenty-four (24) hours prior to the originally scheduled time. Otherwise, the County may not be available to facilitate the receiving and the shipment will be returned to you or its originating point.

34. TIME PERIOD - Offered pricing shall remain firm for a minimum of 60 days after the due date of the Bid unless indicated otherwise. Accepted pricing shall remain firm for the duration of the Agreement.

35. EXTENSION - Any or all of the awards made as a result of this Request for Bid may be extended for an additional period of time if mutually agreed between the parties.

36. FREIGHT - Freight charges are to be included in the quoted price of the goods, rather than as a separate item unless otherwise noted.

37. FOB POINT — The FOB Point, in terms of loss or damage, as well as where title to the goods is passed, shall be FOB - Destination.

38. METHOD OF AWARDING - The County reserves the right to make awards based on the entire bid or on an item by item basis. However if you offer your bid based on an "all or none" condition, the County may consider your bid non-responsive and reject the entire bid.

39. TAXES - Rutherford County is exempt from federal taxes but does pay applicable state sales tax and certain other use taxes. Taxes should not be included in the bid proposal unless so requested and these shall be reflected separately. Any charges for taxes from which the County is exempt will be deducted from invoices before payment is made.

40. BID INFORMATION IS PUBLIC — All documents submitted with any bid shall become public documents and is subject to inspection under the 'Open Records Law'. By submitting any document to Rutherford County in connection with a bid, the submitting party recognizes this and waives any claim against the County and any of its officers and employees relating to the release of any document or information submitted. Each submitting party shall hold Rutherford County and its officers and employees harmless from any claims arising from the release of any document or information made available to the County arising from any bid opportunity.

41. PURCHASE ORDER - A purchase order is an acceptance of your offer as stated in your bid. When a purchase order is accepted as an offer to buy, you must provide the County with a written acknowledgement of a promised ship date and freight carrier, or advise the County that merchandise has shipped or will ship on a particular time and date and the method of shipment.

42. NO GIFT STANDARD - Rutherford County is committed to upholding the highest ethical standards in all of our business practices. This standard recognizes the need to avoid even the perception of improper gifts or favors to employees. Therefore, it is required that all vendors abide by our "No Gift" standard. The "No Gift" standard also applies to all offers of discounts or free items at any place of business targeted toward a County employee and not available to the general public, regardless of the value.

43. SUSPENSIONS AND DEBARMENT - The Contractor certifies pursuant to 48 CFR Part 9 that neither it nor its principles are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this Contract by any federal agency. The Contractor certifies that it is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in any contracts with Rutherford County or the State of North Carolina.