

TOWNSHIP OF SOUTH BRUNSWICK, MIDDLESEX COUNTY, NEW JERSEY

SPECIFICATIONS AND PROPOSAL

FOR

ONE AMBULANCE

CONTRACT 23-14

BIDS TO BE RECEIVED ON OR BEFORE 2:00 P.M.

THURSDAY AUGUST 31, 2023

AT

SOUTH BRUNSWICK TOWNSHIP MUNICIPAL BUILDING

MONMOUTH JUNCTION, NEW JERSEY 08852

**Angela Socio
PURCHASING AGENT**

NOTICE TO BIDDERS

The Township of South Brunswick invites sealed bids for:

<u>Bid No.</u>	<u>Item</u>
23-14	1 Ambulance

Bids will be opened and read by the Purchasing Agent at the Municipal Building, 540 Ridge Road, Monmouth Junction, New Jersey on **THURSDAY AUGUST 31, 2023** at 2:00 PM prevailing time. All bids must be addressed and delivered to the Purchasing Agent on or by the designated hour. If any bidder is coming to the office, social distancing and face covering protocols must be adhered to.

Specifications may be obtained from the Angela Socio, QPA by calling 732-329-4000 ext. 7304, or emailing asocio@sbtnj.net or visiting www.southbrunswicknj.gov.

Bids shall be enclosed in a sealed envelope addressed to the Purchasing Agent, Township of South Brunswick, Municipal Building, P.O. Box 190, Monmouth Junction, New Jersey 08852. The contract number and name must be printed on the face of the envelope.

Bids shall be made upon the Standard Proposal Form. Any bid guarantee required will be so specified in the bid documents for that item.

Attention is called to the Federal requirements regarding employment non-discrimination and safety and wage rates.

Bidders are required to comply with the requirements of **N.J.S.A. 10:5-31 et seq.** and **N.J.A.C. 17:27.**

Angela Socio
Purchasing Agent

To be advertised: **Tuesday, August 8, 2023**
Home News & Tribune

SPECIFICATIONS AND INSTRUCTIONS TO BIDDERS FOR PROCUREMENT AND SERVICE CONTRACT

General Provisions

1. Sealed proposals will be received by the Office of the Purchasing Agent at the Municipal Building, 540 Ridge Road; Monmouth Junction, in the County of Middlesex and the State of New Jersey on **THURSDAY AUGUST 31, 2023** Bidders shall be responsible to carefully examine the specifications enclosed herein as well as the conditions under which the "**One Ambulance**" will be purchased. Failure to offer a complete bid, or meet all sections of this invitation, may be deemed just cause for rejection of a bid as not meeting specifications.
2. All bids must be submitted on the attached bidding form furnished by the Township and must be placed in a sealed envelope, plainly marked on the outside, "**Bid For "One Ambulance ."**" If mailed to the Township, the bid shall be addressed to the Purchasing Agent, Township of South Brunswick, Municipal Building, P.O. Box 190, Monmouth Junction, New Jersey 08852 and shall be plainly marked, "**Bid For " One Ambulance."**" All bids shall be received prior to or at the time of bid opening, 2:00 p.m. local time. The Township will not assume any responsibility for bids forwarded by mail. It is the bidder's responsibility to see that bids are presented to the Township Official on the hour and at the place designated. Bids can also be dropped off in a drop box next to Finance's entrance until the building re-opens to general public. Only original documents with original seals and signatures will be accepted. Facsimile transmitted documents will be rejected.
3. Bidders or their authorized agents are invited to be present when the bids are opened and read publicly at the time specified. Bidders must wear a face covering in the building and we are still limited to 10 total people for the bid. Bid results can be obtained at asocio@sbtnj.net. No bid may be withdrawn after the specified opening time and date without loss of bid surety, and all bids become the property of South Brunswick Township and will not be returned to the bidders.
4. Bidders are to submit the non-collusion affidavit with the bid proposal form.
5. Bids will be received and awarded in accordance with Chapter 198 of the Public Laws of 1971, commonly referred to as the Local Public Contract Laws. **(N.J.S.A. 40A:11-1, et. seq.)**
6. The Township reserves the right to reject any or all bids if the Township deems such action to be in the best interest of the Township.
7. A certification of Contractor Non-Conflict of Interest, shall be completed and attached to the bid proposal.
8. A Bid Bond is not required.
9. The Township Council reserves the right to accept or reject any or all proposals, to waive irregularities and technicalities, and to award in whole or in part to the lowest responsible bidder, if it is in the best interest of the Township to do so. Without limiting the generality of the foregoing, any proposal which is incomplete, obscure, or irregular may be rejected; any proposal which omits a bid on any one or more items on the price sheet may be rejected; any proposal in which unit prices are omitted, or in which unit/total prices are unbalanced, may be rejected; any proposal accompanied by any insufficient or irregular certified check, cashier's check or bid bond may be rejected.

The Township Council will award the bid at a public meeting within sixty (60) days after the opening date. The successful bidder will be the one whose product is judged to best serve the interests of the Township when price, product and service are all considered. Bids will be awarded in accordance with Paragraphs 5, 16, 34, and 35.

The Township further reserves the right to award each item separately to the lowest responsible bidder meeting specifications or to make an award on the total bid to the bidder whose total sum is the low bid meeting specifications, whichever in the awarding authority's opinion is in the best interest of the Township.

10. The contractor shall not assign, transfer, convey, sublet, or otherwise dispose of the contract or any part thereof to anyone without the written consent of the Township of South Brunswick.

11. It is understood by all parties that if, during the life of the contract, the contractor disposes of his business concern by acquisition, merger, sale and/or transfer or by any means conveys his interest(s) to another party, all obligations are transferred to that new party. In this event, the new owner(s) will be required to submit a performance bond in the amount of the open balance of the contract.

12. No oral interpretations shall be made to any bidder as to the meaning of any of the contract documents or be effective to modify any of the provisions of the contract documents. Each and every request for an interpretation shall be made in writing and addressed and forwarded to the Purchasing Officer who may send a written instruction to all bidders.

13. The Township reserves the right to postpone the date for presentation and opening of proposals and will give written notice of any such postponement to each prospective bidder as prescribed by law.

14. Bidders shall insert prices for furnishing all of the material described. Prices shall be net including all transportation charges fully prepaid by the contractor F.O.B. destination. No additional charges will be allowed for any transportation costs resulting from partial shipments made at vendors convenience when a single shipment is ordered.

15. Delivery date of the system must be specified on the Bid Proposal Form.

16. All items must conform to the stated description and specifications. Where a special trade name or catalog name and number is specified, bidders may quote on equivalent items, but they must specify the make, identification number, and size of the same, and submit samples thereof to the Township upon request. Failure to show such additional information shall preclude the bidder from furnishing items other than those meeting the standard specifications. In the attached list of specifications, the use of a name of a manufacturer, or any specific brand or make in describing the items does not restrict bidders to that manufacturer or specific article desired; but the goods and materials on which bids are submitted must be of equal quality to those referred to and bidders must affirmatively certify to that fact, and specify that brand or make of article offered. The Township shall determine the equivalence of substitute articles and accept or reject same.

17. The make, identification number and size of articles shall be stated by the bidder when not contained in the list description and specifications.

18. Only manufactured and farm products of the United States, wherever available, shall be used on this contract in accordance with New Jersey Statutes Annotated 40A:11-18.

19. All the plans and specifications in the bid package for **Bid No. 23-14**, together with any addendum issued thereafter, shall become part of the contract awarded to the successful bidder.

20. Each bidder must submit with the bid a letter of Federal approval or Certificate of Employee Information Report approval, or Form AA-302 must be completed upon the award of the bid.

21. The attached proposal sheet(s) constitutes an approximate quantity for each item for bidders information only, and no warranty is given or implied as to the item or total quantity that will be purchased. The Township reserves the right to increase quantities by 20% at the unit price bid.

22. Bids must be signed in ink by the bidder; all quotations shall be made with a typewriter or pen and ink. Any quotation showing any erasure alteration must be initialed by the bidder in ink. Unit prices are to be inserted in spaces provided.

With the exception of power of attorney forms attached to bid bonds and consent of surety forms, only original documents with original seals and signatures will be accepted. Facsimile transmitted documents will be rejected.

23. Failure to sign the bid proposal or give all information requested may result in the bid being rejected.

24. Delivery shall be made in the stated qualities and to the designation as stated on Purchase Orders.

25. Payment will be made after a properly executed Township voucher has been received and formally approved on the voucher list by the Township Council at a subsequent regular meeting. The voucher will be certified correct by the department head who receives the goods or services.

26. No charge will be allowed for cases, boxes, carboys, bottles, etc., nor for freight expenses, expressage or cartage. No empty packages, cases, boxes, carboys, bottles, etc., will be returned to the bidder or contractor and none will be paid for by the Township.

No help for unloading of deliveries can be provided by the Township Council. Suppliers shall notify their truckers accordingly.

The Township is exempt from any sale, excise or Federal transportation taxes and the provisions of the Federal Robinson Patman Act.

27. Chapter 33 of the Public Laws of 1977 provides that no corporation or partnership shall be awarded any State, county, municipal or school district contract for the performance of any work or the furnishing of any materials of supplies, unless prior to the receipt of the bid or accompanying the bid of said corporation or partnership there is submitted a disclosure statement. The disclosure statement shall set forth the names and addresses of all stockholders in the corporation or partnership who own ten percent or more of its stock of any class, or of all individual partners in the partnership who own a ten percent or greater interest therein.

THE ATTACHED DISCLOSURE STATEMENT SHALL BE COMPLETED AND ATTACHED TO THE BID PROPOSAL.

28. The effective period for the contract will be two years unless noted otherwise in the specifications. Continuation of the terms of this contract beyond December 31st is contingent on availability of funds in the following year's budget. In the event of unavailability of such funds, the Township of South Brunswick reserves the right to cancel this contract.

29. All applicable State and Federal regulations are to be met by the successful bidder, including prevailing and minimum wage regulations. It is expected that all hourly rates used to calculate the bid will be prevailing wage rates.

30. A performance Bond is not required.

EXHIBIT A

**MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE
N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)
N.J.A.C. 17:27**

GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affection- al or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, up- grading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprentice- ship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J .S .A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J .A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, col- or, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability,

nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval;

Certificate of Employee Information Report; or

Employee Information Report Form AA-302 (electronically provided by the Division and distributed to the public agency through the Division's website at: http://www.state.nj.us/treasury/contract_compliance).

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to N.J .A.C. 17:27-1.1 et seq.

32. Insurance Requirements.

A. General Instructions. (1) The successful bidder shall not commence work under the Contract until he has obtained all insurance required under this section and such insurance has been approved by the Township, nor shall he allow any subcontractor to commence work on his subcontract until all similar insurance required of the subcontractor is obtained and approved by the Township. Any special insurance required by the Contract itself shall also be obtained by the successful bidder and his subcontractors and approved by the Township before any work is commenced.

(2) Certificates evidencing each insurance coverage shall be submitted by the successful bidder and his subcontractors to the Purchasing Agent and the Township Engineer within twenty-one (21) days after execution of the Contract. All such certificates shall be issued by an insurer acceptable to the Township of South Brunswick, authorized to transact business in the State of New Jersey, and have an A.M. Best & Co. rating of not less than A:VII, naming thereon the Township of South Brunswick as an additional insured. The certificates shall specifically state that the insurance company or companies issuing such insurance policies shall give the Township at least thirty (30) days written notice in the event of cancellation of, or material change in, any of the policies. If coverage on any certificates is shown to expire prior to completion of all terms of the Contract, a new certificate shall be furnished to the

Bodily Injury: \$500,000 per occurrence.
Property Damage: \$500,000 per occurrence.

E. Responsibility of the Contractor. The successful bidder and his subcontractors shall assume all responsibility for and save the Township harmless from any loss or damage to all materials, equipment and machinery involved under the Contract.

F. Builder's Risk Insurance. Where appropriate, the Township may purchase Builder's Risk Insurance and maintain same for the life of the Contract. Such Builder's Risk Insurance shall cover the structures of the partially completed project under construction and be in an amount equal to the Bid Price of the Contract. The insurance shall, at a minimum, insure against the perils of fire, vandalism, malicious mischief and collapse.

33. Worker and Community Right to Know. The manufacturer or supplier of a substance or mixture shall supply the Chemical Abstracts Service number of all the components of the mixture or substance and the chemical name to the Township to assure that every container bears a proper label at a Township facility. This complies with P.L. 1983, Chapter 315, Worker and Community Right to Know Act", subsection b. section 14. Further, all applicable Material Safety Data Sheets (MSDA), a/k/a hazardous substance fact sheet, must be furnished to the Township of South Brunswick.

34. When two or more bids are equal in all respects, and offer equal prices and are the lowest responsible bids or proposals, the township may award the contract to the bidder whose response, in the discretion of the township is the most advantageous, price and other factors considered.

35. Where applicable, if there is a discrepancy between the prices written in words and written in figures, the prices written in words shall govern. Where applicable, if there is a discrepancy whereby the unit price written in words or figures is less than the unit price shown in parentheses, i.e. (Note: not less than \$1.00 per unit), the unit price shown in parentheses shall govern. Where applicable, if there is a discrepancy in the Extended Total of any item, the correct total shall be determined by multiplying the estimated quantity by the unit price written in words and the resulting total shall govern. The correct Extended Total for each item shall then be added to obtain the "Bid Total" or "Total Base Bid" whichever is applicable.

AMERICANS WITH DISABILITIES
Equal Opportunity for Individuals with Disability.

The CONTRACTOR and the OWNER do hereby agree that the provisions of Title II of the Americans With Disabilities Act of 1990 (the "ACT") (42 U.S.C. S12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the OWNER pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the Contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the OWNER in any action or administrative proceeding commenced pursuant to this Act. The Contractor shall indemnify, protect, and save harmless the OWNER, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the OWNER grievance procedure, the CONTRACTOR agrees to abide by any decision of the OWNER which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the OWNER or if the OWNER incurs any expense to cure a violation of the ADA which has been brought pursuant of its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its own expense.

The OWNER shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceedings is brought against the OWNER or any of its agents, servants, and employees, the OWNER shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the Township or its representatives.

It is expressly agreed and understood that any approval by the OWNER of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the OWNER pursuant to this paragraph.

It is further agreed and understood that the OWNER assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the CONTRACTOR'S obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the OWNER from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

37. New Jersey Business Registration Requirements

N.J.S.A. 52:32-44 imposes the following requirements on contractors and all subcontractors that knowingly provide goods or perform services for a contractor fulfilling this contract:

1) the contractor shall provide written notice to its subcontractors to submit proof of business registration to the contractor;

2) prior to receipt of final payment from a contracting agency, the contractor must submit to the contracting agency an accurate list of all subcontractors or attest that none was used;

3) during the term of this contract, the contractor and its affiliates shall collect and remit, and shall notify all subcontractors and their affiliates that they must collect and remit to the Director, New Jersey Division of Taxation, the use tax due pursuant to the Sales and Use Tax Act, (*N.J.S.A. 54:32B-1 et seq.*) on all sales of tangible personal property delivered into this State.

A contractor, subcontractor or supplier who fails to provide proof of business registration or provides false business registration information shall be liable to a penalty of \$25 for each day of violation, not to exceed \$50,000 for each business registration not properly provided or maintained under a contract with a contracting agency. Information on the law and its requirements is available by calling (609) 292-9292.

All bidders must have a valid registration at time of award of contract.

Signature _____ **Date** _____
Printed Name & Title _____

SPECIFICATIONS FOR A NEW EMERGENCY MEDICAL VEHICLE

Bidder Instructions:

The following specification describes a new ambulance that is expected to be acquired by this purchaser. The specification describes the needs of this purchaser as far as chassis configuration and module body design. A state of the art vehicle is required. However, manufacturers that utilize prototype equipment or manufacturing processes will not be considered. The builder's manufacturing history shall be supported by documentation where applicable, and by the reference section within this specification. The benchmark for the initial configuration of this ambulance shall be the current KKK Federal Specification for Ambulances or NFPA 1917 Standard for Automotive Ambulances. However, most requirements in this specification exceed the federal specifications because of the specific needs of this purchaser.

Please note that the following specifications represent minimum general terms or requirements. While it is not the intent of this purchaser to preclude any qualified bidder from submitting a proposal, it must be clear that any bidder deviating in any substantial manner from these specifications will be rejected as being non-compliant.

Finally, manufacturers or distributors for manufacturers submitting bids shall include the following information with their proposal:

MINIMUM REQUIRED STANDARDS:

The highest degree of quality, both in the materials and in the building processes, is required for the emergency medical vehicle being proposed. At a minimum the manufacturer being proposed must meet all current mandated and voluntary ambulance design standards in effect at the date of the proposal submission. All current Federal Motor Vehicle Safety Standards (FMVSS) must be met, as well as all current Federal Ambulance Design specifications as well as NFPA Standards.

The bidder shall state the date of certification for the current

KKK-A-1822: _____

NFPA 1917: _____

The manufacturer shall also comply with Ford Motor Company's QVM program. A copy of the manufacturer's current QVM certification must be submitted with the bid.

The current QVM certification is included.

Yes_____ No_____ Initial: _____

PROPOSAL COMPLETION PROCESS:

Various areas in the following specifications require a response from the bidder. In order to aid in the evaluation process all responses must be consistent and, most importantly, legible. Therefore, the areas that are to be completed by the bidder, along with any other materials that may be submitted by the bidder, must be typed. Bids that are submitted with either hand-written responses or with hand stamped responses shall be automatically rejected as being non-compliant.

Does the bidder understand this requirement?

Yes_____ No_____ Initial: _____

SINGLE SOURCE MANUFACTURER:

To simplify warranty coverage and to assure a consistent level of quality throughout the vehicle, a manufacturer is desired that manufactures the major components for the ambulance (excluding the chassis). Major components are defined as the module body, the interior cabinets, and the converter-added electrical wiring system. This purchaser understands that manufacturers may purchase some elements, such as switches, boards, etc. with which to manufacture a system.

Further, this specification requires the vehicle manufacturer to own the design of, as well as the rights to the onboard converter-added electrical system. Generic aftermarket systems that are manufactured by an outside company and installed by the vehicle converter are not acceptable.

These requirements are addressed elsewhere within this specification where the specific defined items are located. Manufacturers who outsource any of the above-referenced components shall be considered non-responsive and will be rejected.

Bidder states that the represented vehicle builder manufactures all of the major components as defined above:

Yes_____ No_____ Initial: _____

Bidder states that the represented vehicle builder owns the design of the converter-added electrical system, as well as all rights to that system and any software that may be required:

Yes_____ No_____ Initial: _____

Component manufacturer (by company name):

Modular Body: _____

Interior Cabinets: _____

Electrical Wiring System: _____

QUOTATION:

The overall quotation shall include a firm price for a vehicle meeting these specifications. The length of time that the price will be held shall be clearly stated in the quotation. The quotation shall include a specific delivery window based on the number of calendar days following the award of the contract. The model year of both the chassis and the conversion shall be clearly stated in the contract.

WARRANTY:

The proposal shall include all warranties that are required in the following detailed specification. Lifetime warranties will not be accepted because of their unclear nature of duration. All warranties must have specific time durations and shall define warranties on specific components. The minimum acceptable warranty periods are noted below. In the blank lines the bidder shall note the terms of the warranties that apply to the manufacturer being proposed.

MODULAR BODY STRUCTURAL WARRANTY: 30 years/Unlimited Miles
Proposed warranty term: ___ years/_____ Miles

Note: The structural warranty, as noted in the structural section of this specification, will include the module doors, continued module body door alignment, and all interior cabinet construction. The remounted body shall be completed with the greater of the existing body structural warranty from the OEM still in effect or an extension of (5) years from the date of completion, whichever is greater. The body structural warranty will be effective under the following conditions: (1) the re-chassis is performed by the original manufacturer, (2) the structural warranty has not expired at the time of the re-chassis, and (3) this purchaser approves any structural repairs at the time of the re-chassis. These terms and conditions must be explicitly stated in the manufacturer's warranty certificate.

Does the structural warranty proposed comply with the above-stated terms and conditions? Yes _____ No _____

ELECTRICAL WARRANTY: 7 years/100,000 Miles
Proposed warranty term: ___ year(s), _____ Miles

CONVERSION WARRANTY: 2 Years/24,000 Miles
Proposed warranty term: ___ year(s), _____ Miles

PAINT WARRANTY: 7 Years/84,000 Miles
Proposed warranty term: ___ year(s), _____ Miles
Corrosion due to electrolysis is warranted as follows:
0 - 4 years = 100% / 5 years = 50% / 6 years = 35% / 7 years = 20%
Proposed warranty term: ___ year(s), _____ Miles
(No paint vendor warranties will be accepted)

For verification of the completed warranty terms stated above the bidder must include printed manufacturer's warranty certificates that meet or exceed the minimum required periods stated above.

Are the manufacturers warranties included? Yes _____ No _____

Warranties shall be transferable for their duration. All warranties shall be from the manufacturer as opposed to a distributor or service center. This is necessary for the protection of the purchaser, and to guarantee a certain known level of service and warranty. If, however, the bidder feels that it is necessary to modify the manufacturer's warranties, then the bidder shall state why this modification is necessary. In addition, the bidder shall provide a full descriptive warranty certificate describing the warranty modification and the fact that it takes specific precedence

over the warranty offered by the manufacturer. If no such certificate is provided, then the modified warranty shall be considered invalid and the manufacturer's warranty shall remain in force. If a warranty modification is proposed through either a distributor or service center, then complete financial statements for that business covering the past five (5) years MUST BE SUBMITTED with the bid. If the manufacturer states that no party is permitted to modify its warranty, then any warranty modification provided by the bidder, despite being in writing, shall automatically be rejected.

Does the bidder conform to the above-written section? Yes___ No___

In order to simplify the evaluation process the following questions must be answered and this section must be initialed by the bidder.

Are the warranties transferable? Yes___ No___
If yes explain.

Has the bidder modified the manufacturer's warranties? Yes___ No___
If yes explain.

If yes was chosen above, has the bidder included modified written warranties? Yes___ No___
If no explain.

If 'yes' was chosen above, has the bidder included financial statements, for the last five (5) years, of the warranty modifier? Yes___ No___
If no explain.

Bidder shall initial that this section is understood and has been answered

SERVICE AVAILABILITY:

Service will be a major factor in the award of this proposal. Convenience and experience will be determining factors in defining acceptable service.

A service facility within a radius as described below will be required. Personnel performing the service shall be trained by the manufacturer with emphasis in the area of electrical service. In order to evaluate the proposed service facility the following information shall be provided on the appropriate lines.

Radius from purchaser: Not more than 50 miles.

Facility name: _____

Address: _____

City: _____ State: _____

Contact: _____

Phone #: 1-(____)-____-_____

Training Description: _____

ENGINEERING SUPPORT:

Due to the complexity of the design of the vehicle, proposals will be accepted only from manufacturers that utilize well-defined engineering techniques. Computer Aided Design (CAD) drawings of both the interior of the patient area and the overall layout of the module body will be mandatory. At a minimum these drawings shall include all exterior elevations, all interior views (4), and a plan view of the roof/ceiling. All options and elements required within these specifications shall be depicted on the prints. The purpose of this requirement is to assure this purchaser that vehicle proposals indeed meet the stated requirements as set forth in these specifications. Generic CAD drawings are not acceptable. The drawings, as submitted, shall accurately depict the exact vehicle that is being proposed. Bidders not including the required drawings will be considered non-responsive and will, therefore, be rejected.

Are the required drawings included with this bid? Yes _____ No _____

DRAWINGS:

The above-referenced drawings shall be furnished in standard 8.5" x 11". Drawings that are "D" size may be required at pre bid. Drawings meeting the criteria set forth in the Engineering Support section above will be considered non-responsive and will, therefore, be rejected. Likewise, bids stating that drawings "will be furnished at a later date" will be rejected on the basis of non-compliance.

Are the drawings included with this bid? Yes _____ No _____

Initial: _____

CONSTRUCTION PHOTOGRAPHS:

The bidder shall include the following photographs with the completed proposal. Proposals not including these photographs will be considered incomplete and will, therefore, be rejected. These prints shall be submitted for evaluation purposes. This purchaser shall compare the photos of the different bidders and shall be the sole decision maker as to which design best suits the specific needs to be fulfilled. Commentary on the photos is not desirable. Photographs shall be in color and shall be large enough and clear enough to supply ample detail. The photographs shall be provided in the exact numerical order listed below. The photographs to be submitted shall include:

1. Interior upper corner showing gusset and extrusion detail.
2. Interior side wall including horizontal frame member.
3. Roof section showing 2" x 2" structural supports on 12" centers.
4. Detail of vertical side wall substructure to include gussets.
5. Floor superstructure prior to installation of the aluminum sub floor.
6. Interior of rear door less Formica trim
7. Interior of rear door detailing door latch linkage
8. Electrical distribution panel complete and wired.
9. Backside of front console switch panel complete and wired.
10. Interior cabinet modules prior to installation.
11. Light head attachment point detailing threaded nylon hole insert.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SAFETY CERTIFICATION:

The verification of construction techniques used throughout the building process must be furnished by the manufacturer/bidder. The installation methods and construction techniques associated with seat belt retention, cabinet construction and installation, oxygen cylinder retention and module to chassis mounting systems must be verified through a controlled Hygee sled test that simulates an actual impact condition. This test must be performed, under both side and frontal impact conditions, to a minimum force of 30 G's. All testing must be performed by a testing agency that is independent of the manufacturer.

As proof of this verification process being performed, the bidder must provide the following information (leave blank if this is not a sled test being verified):

Testing Facility Name: _____
Date Tested: _____ / _____ / _____
'G' Force Tested To: _____ G's

The bidder must perform and certify to dynamic sled or impact testing run on the ambulance body to a load of 30 G's. The body tested shall include normally installed components for each of the following areas of the vehicle. The body structure and installed components shall not show evidence of structural failure or separation from its mounted position as a result of the test. All test results must be witnessed and verified by a Registered Professional Engineer.

Test Required	Date Tested	Force Applied	Signed By
1. Body to Chassis Mounting	_____	_____	_____
2. Access Door Latching	_____	_____	_____
3. Oxygen Cylinder Mount (Main)	_____	_____	_____
4. Oxygen Cylinder Mount (Portable)	_____	_____	_____
5. Attendant Seat Mount	_____	_____	_____
6. Attendant Seat Belt	_____	_____	_____
7. CPR Seat Belt	_____	_____	_____
8. Squad Bench Seat Belt	_____	_____	_____
9. Retention of Main Cabinet Wall	_____	_____	_____
10. Crash Restraint Wall At Head of Bench	_____	_____	_____

Certification of Registered Professional Engineer

I _____ attest that I am a Registered Professional Engineer registered in the State of _____. My Registry Number is _____.

I hereby certify that I and my company, its affiliates and subsidiaries are completely independent of all manufacturers, suppliers, and vendors in the ambulance industry.

Signature _____

Company _____

Date _____

Affix Stamp Above

Documentation Furnished with Proposal: Yes _____ No _____

Finally, a manufacturer is desired that has had an ongoing testing program. The testing, as described above, is to have been performed on a body built using the same materials and designs as those currently used by the manufacturer. Furthermore, the testing program must have been conducted on a continuous basis for a period of time not less than ten (10) years. Therefore, the bidder is required to answer the following questions and to initial the response to confirm that the question is understood and answered truthfully.

How many total sled tests has your company performed? _____ Initials _____

What was the date of the last test: _____ Initials _____

Has this specified body construction method been tested? Yes _____ No _____
Initials _____

If not, what body construction method was tested? _____
Initials _____

Has the testing program been in place for a period of at least ten (10) years? Yes _____ No _____ Initials _____

If the program has not been in place for at least ten (10) years, then how long has the testing program been in place?
_____ Initials _____

Note: This requirement is in addition to the current minimum KKK and NFPA 1917 requirements. The KKK or NFPA requirements do not suffice as a substitute for this requirement as they do not address impact crash testing. It should also be noted that neither photographs of vehicles involved in accidents nor written observations of accident damage suffice to fulfill this requirement. This requirement will be fulfilled only when testing verification, signed by an accredited independent engineer, is furnished with the bid. The testing being described takes place in a controlled environment where meaningful data can be collected and used to further the design and safety of the vehicle. Actual accidents present too many variables that hinder the collection of meaningful data. Bidders who submit photographs or written observations, from customers or manufacturers representatives, should note that such information is

considered invalid and will not be a factor in the purchase decision.

Does the bidder understand these requirements?

Yes _____ No _____ Initials: _____

If the bidder does not perform sled testing, then the bidder is asked to take exception to this requirement so that the purchaser may evaluate bids on a legitimate basis. Bidders not taking exception shall have all appropriate documentation, as described above, included with the proposal. Bidders who do not take exception, and who do not include all appropriate documentation will be considered non-responsive and will, therefore, be rejected. This also applies to any subsequent sections of this specification that require sled testing where the bid response indicates

KKK-A-1822 CERTIFICATION LABEL:

The vehicle shall have weight/payload, electrical load, and the current KKK-A-1822 certification stickers installed in the O2 compartment. Failure to provide these certification labels will be cause for rejection of the completed vehicle. Labels that are found to be falsified will also be cause for rejection of the completed vehicle. The purchaser reserves the right to request documentation showing that all required testing has been completed at the time of the bid opening. Failure to provide this documentation, if requested, will result in the bid being rejected without further consideration.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

KKK-A-1822F CERTIFICATION CHANGE NOTICE 10:

This vehicle shall be up to and through Change Notice 10 compliant.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BODY INTEGRITY VERIFICATION:

In addition to the testing described in the preceding section the bidder must also ensure the integrity of the patient compartment of the vehicle in the event of an accident by performing dynamic testing to demonstrate compliance to International Standard ECE R29 and SAE Standards SAE J2422 and SAE J2420 applied to the rear of the body. Testing shall involve a Dynamic Preload side impact on a 20 degree fixture at 13,000 foot lbs, a 22,000 roof load and a rear impact at 32,600 foot lbs. Impact shall be provided by a 13,000 lb platen cart moving at the speeds prescribed to achieve the necessary impact energy. The impact cart shall include DAS, a propulsion system capable of ± 0.25 mph speed control, remote braking and Ethernet communication in concert with an installed barrier facility.

During the above described testing, two Hybrid III 50th percentile mannequins shall be installed, one in the standard attendant's seat, and one on the squad bench area. Bidder will be required to demonstrate via photos or other evidence as may be approved by this agency that the mannequin restraint systems worked properly and that the mannequins remained in their original positions.

Does the bidder comply with this requirement? Yes _____ No _____
Initial _____

Full documentation, signed by a professional engineer from the testing laboratory shall be provided with the bid proposal.

INTERIOR OCCUPANT PROTECTION:

For the safety of the EMS providers working in the patient area, the vehicle shall be equipped with an interior occupant protection system incorporating an emergency inflatable airbag system at both the attendant and the CPR seat locations. In the event of a vehicle rollover, the bags shall be triggered by an electronic sensor to inflate and protect the occupants against severe head strikes typical of such accidents.

The attendant seat location shall be protected by an inflatable head cushion technology as well as a unique inflatable tubular system to prevent the attendant from impinging into the danger zones of the inhalation area.

The CPR seat location shall be protected by a combination of an inflatable tubular system at the forward side to protect against entry into the inhalation area as well as a system of progressive resistance head protection cushions. The progressive resistance head protection cushions shall incorporate layers of foam of increasing densities. Should a head strike occur, then the increasing density of the cushion as the impact progresses shall lessen the likelihood that the head will reach the cabinet material behind the cushions. It should be noted that standard single density foam cushions will not meet the requirements of this section. The bidder must have performed both actual impact tests as well as computer simulations in order to test the efficacy of this material in reducing head strike intensities to a survivable rate.

All airbag seating locations shall have been tested with a variety of occupant sizes. Those tests shall include Hybrid III fully instrumented test mannequins including 5% child (115 lbs.), 50% female (163 lbs.), and 95% male (195 lbs.). Testing shall have included at least fourteen (14) fully instrumented destructive dynamic roll crashes and an additional six (6) side impact destructive crashes. Roll crash testing shall be performed at 17-19G's while side impacts shall be approximately 27G's.

The vehicle must have been certified as compliant to standards ECE R29, SAE J2420, and SAE J2422. The bidder must show evidence that their service facility is trained and certified to service or to replace the airbags should the need arise. Such certification shall be attached to the proposal (NO EXCEPTIONS).

Each seating position shall include seat belts as follows:

Attendant seat: Four point seat belt. CPR seat: Four point seat belt.
Ends of bench: Four point seat belt. Bench Center: Four point seat belt.

Each seat belt shall have been tested to verify its latching capabilities and performance as well as the extent to which it allows movement by the "spooling effect" within the retractor. Those tests shall verify that this spooling effect allows less than three inches (3") of belt travel before latching.

There shall be a barrier constructed at the head of the squad bench that will provide a 16" high restraint which, when working in conjunction with

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REFERENCES:

The proven durability and reliability of this product is of the utmost concern. Each bidder submitting a proposal must furnish references consisting of in-service units of similar chassis make and conversion processes being proposed.

All references shall include owner, address, contact name and phone number, and the model owned. A minimum of ten (10) references shall be provided:

1. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

2. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

3. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

4. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

5. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

6. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

7. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

8. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

9. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(____)-____-_____

Model: _____ Year: _____

10. Owner: _____

Address: _____

LIABILITY:

The bidder shall defend, indemnify, and save harmless the purchaser and its officials from all claims, demands, payments, suits, actions, recoveries, and judgments of every description, whether or not well founded in law, brought or recovered against it, by reason of any act or omission of said bidder, his agents or employees, in the execution of the contract or in consequence of insufficient protection or for the use of any patented invention by said bidder, and a sum sufficient to cover aforesaid claims may be retained by the purchaser from money due or to become due to the bidder under this contract, until such claims have been discharged or satisfactorily secured.

Each bidder must furnish a Certificate of Insurance showing aggregate total of insurance which shall not be less than twenty-five million dollars (\$25,000,000).

Certificate of Insurance included with proposal? Yes _____ No _____

In addition, the bidder is to assume any risk of loss to the ambulance until the ambulance is delivered to this purchaser.

Does the bidder understand this requirement? Yes _____ No _____

PAYMENT:

Payment shall be made on delivery of the purchased item, or upon completion of all work contracted for (whichever occurs later) and performed to the satisfaction of the purchaser.

Does the bidder comply with this requirement? Yes _____ No _____

If no explain:

FORD FIN DISCOUNT:

This department has a Ford Fleet Incentive number for which to purchase Ford chassis's. Should a Ford chassis be provided in this bid, the bidder shall register with Ford, the chassis purchase using the FIN code listed below. This department understands the fleet incentive dollar amount is subject to change and availability.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DELIVERY PROCESS:

The vehicle shall be delivered over the road to the purchaser. Delivery shall be stated in number of calendar days after award of contract and receipt of chassis. The purchaser has the right to reject the vehicle if it does not conform to these specifications to the satisfaction of the purchaser.

Does the bidder understand this requirement? Yes _____ No _____

PRICE AND TAXES:

All prices quoted shall be for a definite fixed price unless otherwise specified. Prices shall exclude Federal, State, and other taxes to the extent that this purchaser is exempt. All pricing shall be F.O.B.

BID COMPLETION REQUIREMENTS:

1. All proposals shall be submitted in a hard-bound binder. In order to facilitate evaluation, the binder shall be divided by header into the following minimum sections:

- A. Proposal: Bidders proposal showing product bid, model year, price, and delivery date.
- B. Specification: Purchasers advertised specifications completed as required.
- C. Design: CAD generated drawings of both interior and exterior of the product being proposed.
- D. Warranty: Complete written certificates of Modular, Electrical, Paint, and Conversion warranties.

Bidder's proposal meets all of the requirements listed above. Yes _____
No _____ Initials: _____

TYPE OF BIDS TO BE SUBMITTED:

In the event that the bidder represents more than one ambulance manufacturer meeting the manufacturer requirements outlined herein, then the bidder shall only bid the highest quality vehicle that the bidder represents. Under no circumstances will multiple bids from the same bidder on different manufacturers be accepted. Should a bidder submit two or more bids representing more than one manufacturer, then all bids submitted by that bidder will be rejected as being non-compliant with the requirements of this specification. This purchaser is seeking quality equipment. Bidders are asked to bid only the product of the highest level of quality represented by that bidder.

Is this requirement understood and met?

Yes _____ No _____ Bidder's initials: _____

INFORMATION TO BE SUBMITTED WITH PROPOSAL:

The information requested within this bid must be furnished in full. Any bidder not completing this proposal or not furnishing any required information will not be considered. If a bidder will not furnish a material or fabrication process exactly as described in this specification, then that difference must be designated in the list of exceptions. If a substitution is being proposed, then the bidder must note the section to which the alternative is being proposed and provide technical data, supported by a registered engineer, supporting the fact that the substitute is equal to or better than the item as specified. If this data is not submitted with the bid, then the bid shall be rejected as being non-compliant. Bidder added narrative describing a substitution as being a clarification, exceeding, being equal to, etc. will not be accepted. Statements such as these, with or without the technical data described in this section, will cause the bid to be rejected as being non-compliant. This purchaser reserves the right to require samples of any deviating material to be provided for evaluation.

Does the bidder comply with these requirements?
Yes _____ No _____ Initial: _____

DIRECTIONS FOR RESPONDING TO EACH SECTION:

Each individual section of the specification shall be followed by three (3) response lines. The lines shall read as follows:

- Above section bid exactly as written. _____
- Section not provided. _____
- Bidder is offering an alternative to this section. _____

On the line to the right of each statement the bidder shall mark an X to signify the appropriate response. If a bidder is offering an alternative to the written section, then an exception must be taken for the section. The exception must be accompanied by data supported by a registered engineer to demonstrate the equivalency of the alternate item. The bidder shall note that the data submitted must correspond with the substitutions offered. If the data submitted does not cover all substitutions offered, then the bid shall be rejected as being non-compliant.

Does the bidder understand this requirement?
Yes _____ No _____ Initial: _____

EXCEPTIONS TO SPECIFICATIONS:

Exceptions to these specifications shall be noted below. All exceptions taken shall be recorded per the guidelines defined above. Each exception shall be noted by page number and item header. If additional space is required for exceptions, then the bidder shall use additional paper as necessary, however the same format shall be used.

Page #: _____ Header: _____

Exception: _____

Page #: _____ Header: _____

Exception: _____

Page #: _____ Header: _____

Exception: _____

Page #: _____ Header: _____

Exception: _____

Page #: _____ Header: _____

Exception: _____

Page #: _____ Header: _____

Exception: _____

Page #: _____ Header: _____

Exception: _____

Page #: _____ Header: _____

CHASSIS:

The chassis required for this project is specified in detail below. Failure of the bidder to provide the chassis as specified will be grounds for rejection of the bidder's proposal as being non-responsive. Exceptions will be made only if the bidder can prove that a required feature is unavailable from the chassis O.E.M. Due to the changing environment of chassis availability, model year and specifications, these listed specifications may be updates to the current year model requirements.

CHASSIS, 2024 FORD 4 X 4, 169" F-450 CAB/CHASSIS:

The vehicle converter shall supply a 2024 169" wheelbase Ford F-450 4X4 cab/chassis. The chassis shall include Ford's Ambulance Prep Package.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ENGINE AND RELATED EQUIPMENT:

- 7.3L 2V DEVCT NA PFI V8
- Engine Block Heater.
- 40 gallon fuel tank mounted between the frame rails aft of the rear axle.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

TRANSMISSION:

- Automatic. TorqShift electronic 10-Speed SelectShift with overdrive
- Transmission Oil Cooler.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

REAR AXLE:

- Ratio: 4.10:1 limited slip

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

OVERALL WEIGHT RATINGS:

- GVW: 16,500 lbs.
- Front Springs: 7,000 lbs. Combined Rating @ Ground
- Rear Springs: 12,000 lbs.
- Shock Absorbers: 1.38" Front and Rear, Heavy Duty Gas Type
- Stabilizer Bar: Front and rear

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

TIRES AND WHEELS:

- Quantity of seven (7) tires with spare shipped loose
- Tire size to be 225/70R19.5 Load Range 'G'
- Rear tires: traction, front tires: all season radials
- 19.5" aluminum wheels

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

BRAKES:

- Front and Rear: Four wheel disk with antilock
- Power Assist: Hydro Boost
- Parking Brake: Foot Operated, hand release

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

INTERIOR APPOINTMENT STANDARDS:

- HD Ford XR-50 power steering
- Tilt/telescoping steering with factory speed control
- Dual padded sun visors
- Power door locks
- Power windows
- Power/Heated mirrors with clearance lights
- 12V power point
- Adjustable gas and brake pedals
- Heat/Air conditioning
- Dual O.E.M. cloth-covered captain's chairs with inside folding arm rests
- Rubber floor covering
- Second generation driver and passenger air bags
- An AM/FM stereo/CD/MP3 player with two (4) speakers installed in cab
- Factory gauges for oil pressure, fuel capacity, and water temperature.
The converter-added digital display shall provide both ammeter and voltmeter.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ADDITIONAL APPOINTMENT STANDARDS:

- XLT trim package
- Chrome front bumper and grille surround
- Tinted glass
- Dual electric horns
- Interval wipers
- ICC lights
- Halogen jewel effect headlights
- Daytime running lights
- Sound reduction package
- Integrated auxiliary idle control
- Auxiliary heat/AC connections
- Front license plate bracket
- Under hood service light
- Two front tow hooks
- SOS Post Crash Alert System
- Perimeter Anti-theft alarm
- Remote keyless entry
- Shift on the fly

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BATTERIES:

The vehicle shall be equipped with two (2) 750 cca batteries located in the OEM location under the chassis hood. The total cca rating for this vehicle shall be 1,500 cca.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ALTERNATORS:

Dual O.E.M. Motorcraft alternators shall be installed by the chassis manufacturer. These alternators shall be internally regulated and shall provide a total of 320 amps.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

WARRANTY:

The chassis manufacturer's standard vehicle warranty policies shall apply.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CHASSIS SPECIAL INSTRUCTION

CHASSIS HARDWARE AND ACCESSORIES:

The items to follow represent chassis modifications, hardware, and accessories that are required. Failure to provide these features will be cause for rejection of the bidder's proposal as being non-responsive.

FORD OPTION SYNC4:

Type 1 Ford chassis is to include the Ford Sync 4 radio.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FORD OPTION 17V:

Type 1 Ford chassis is to include the Ford Option 17V package that includes the following. Power Adjustable Pedals, Autolock/AutoUnlock, Electrochromic Rear View Mirror, Power Driver Seat(eight way), Heated Driver seat on Crew or Extended Cab Only, Keyless Entry Keypad, Rear Window Defrost, Remote Start, Halogen Fog lights.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PASS THROUGH:

There shall be pass-through access between the cab and the patient compartment. A flexible weather-tight bellows shall be installed around the perimeter of the opening between the back of the cab and the front of the module body.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PASS THROUGH WINDOW:

A sliding pass-through window shall be provided between the cab and the patient compartment. The window shall include a latch to secure the window in the 'closed' position.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ALUMINUM WHEELS

The chassis shall be ordered equipped with OEM aluminum wheels in lieu of steel. Install OEM wheel hub caps.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MUD FLAPS, REAR:

The vehicle converter shall install individual rubber mud flaps behind each rear wheel. The mud flaps may incorporate the converter's corporate logo provided that the logo is incorporated into the rubber material and not a separate piece.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DOCK BUMPERS:

Install rubber across the entire face of the rear step/bumper including the end caps. These bumpers shall serve to protect the diamond plate from damage due to minor contact.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DIAMOND PLATE RUNNING BOARDS:

Diamond plate running boards shall be installed on each side of the cab at the cab entry points. The running boards shall be .125" thick 3003-H14 alloy polished aluminum diamond tread plate. The design of the running boards shall include multiple perforations for better foot traction and drainage. They shall include a splash shield at the forward end to protect the vehicle from spray and road debris.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REAR STEP/BUMPER ASSEMBLY:

The rear of the vehicle shall be equipped with a step/bumper assembly to be fabricated from .125" polished aluminum diamond Treadplate. The assembly shall be spaced out from the rear kick plate a minimum of 1.5". The center section of the assembly shall pivot up and over center on two (2) .5" bolts to stay in the 'up' position. This section shall be a minimum of 9.5" deep and shall be constructed with grip-strut on the stepping surface to provide for better footing. The ends of the assembly shall be fixed diamond tread plate. The distance between the top of the step and the ground shall not be less than 16". The fold-up portion of the step shall be firmly held down with two (2) pin and socket holders to prevent rattling while the vehicle is in motion.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REAR STEP/BUMPER REINFORCEMENT:

The standard rear step shall be reinforced with 2" x 2" steel angle for added impact protection.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LIQUID SPRING REAR SUSPENSION WITH DUMP:

The vehicle shall include a Liquid Spring system installed in the rear suspension. The system shall include a dump feature, wired through the left rear entry door magnetic switch, to lower the cot loading height.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LUND INTERCEPTOR BUG SHIELD:

A smoked contoured Lund Interceptor bug shield shall be installed on the chassis hood.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FRONT STABILIZER BAR:

A Roadmaster brand stabilizer bar shall be installed on the front suspension of the vehicle.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BATTERIES:

The battery system, as noted in the "Chassis" section of this specification, shall include two OEM batteries to be installed in the manufacturers under hood battery tray locations.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BATTERY HEAT SHIELDS:

Battery heat shields will be provided and installed for all batteries located beneath the hood.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REVERSE ALARM:

An audible alarm shall be installed to activate when the vehicle is placed into reverse gear. There shall be, installed on the front console and wired through the vehicle electrical system, a momentary cutoff switch to disable the alarm. This switch shall automatically reset each time the vehicle is placed into reverse gear.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CAMERA SYSTEM MONITOR:

Supply and install a RVS1619N multi channel monitor on the OEM windshield mount. Monitor to be used with 360 camera system.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CAMERA SYSTEM: PATIENT VIEW

A camera system shall be installed as noted below. A separate monitor will not suffice to fulfill this requirement.

Quantity: 1
Locate: patient area viewing, over pass-thru
Configure: Use channel B on monitor to view patient area

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CAMERA SYSTEM: BIRDS EYE VIEW

Bidder shall supply and install a 360 degree camera system. This system shall consist of four (4) cameras feeding into the front cab monitor providing a 360 degree view around the vehicle. The system must stitch these views together to give an appearance on the screen of flying just above the unit where all four sides are visible at the same time. Each camera is to include a housing for protection from the elements. Systems that do not include this protective housing will not be acceptable. Each housing is to incorporate four (4) red LED lights with clear lenses. Each light is to incorporate three (3) LEDs. These lights are to have the ability to function in emergency response mode, as additional turn signals, and when the vehicle is placed into reverse. The housings shall be designed in such a way as to not allow the lights wash out the view from the monitor.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

Rear Parking Sensor System – RPS System

In an effort to avoid backing accidents and improve safety the ambulance manufacturer shall supply and install a rear parking sensor system. The system shall include four reversing sensors to detect obstacles up to 4.5 feet away.

The sensor system shall include three detection zones give the following warnings:

- 1 = slow beep within 2.5-4.5 feet
- 2 = medium beep within 1.3-2.5 feet
- 3 = steady tone within 1.3 feet

The sensors shall only activate in reverse and include a visible LED and audible three setting speaker. The system shall operate from 0 degrees to 176 degrees.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MINIMUM BODY DIMENSIONS:

The completed vehicle shall have the following minimum dimensions:

(Exterior)

- Height: 91"
- Width: 96.25"
- Length: 157"

(Interior)

- Height: 68"
- Aisle 48"
- Length: 153"

OVERALL DIMENSIONS (Including Chassis, Module and Step):

- Height: 112"
- Width: 100"
- Length: 291"

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

MODULAR BODY STRUCTURAL DESIGN REQUIREMENTS:

The module body shall be designed and fabricated with the following key elements in mind:

1. The greatest possible load carrying capacity is desired.
2. The safety of all vehicle occupants is of paramount concern.
3. The body design, including construction materials and fabrication techniques shall be proven to be durable.
4. The body shall be easily retrofitted to a new chassis should that need ever arise.

With these concerns in mind the following requirements have been established for the purposes of this specification:

The vehicle converter shall design and construct its own module bodies, and maintain an engineering staff at its manufacturing facility to handle any custom body changes that may be necessitated by this design. It is the intent of this purchaser to receive a finished product of the highest standards of quality available. Vehicle manufacturers who design and build their own bodies and who have the expertise of an engineering staff will possess a greater capacity as far as handling a custom project of this type than manufacturers who purchase their bodies from an outside vendor. Accountability and quality of the design and construction of the body are enhanced when the vehicle converter manufactures the body.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

GENERAL BODY DESCRIPTION:

The construction process described within this specification will ensure that the body shall remain structurally intact. However, to achieve this level of quality and durability, the module body, including all doors, must be constructed correctly initially. This specification requires that the module body, including all doors, be built within a tolerance of one five-thousandths of one inch. To achieve this the vehicle manufacturer must use, as standard practice, precision computerized equipment such as found in Strippet machines and microprocessor controlled milling machines and chop saws. Use of precision equipment will ensure that all door openings, door handles and latches, body windows, and warning light assembly installation locations are of the correct size and square to the body. Cutting done by hand, such as with a jigsaw, is not desired unless it involves the chassis, or unless a warning light assembly must be located in such a way that it depends on the layout of the finished vehicle. (E.g. when a light must be centered within a paint stripe since the exact stripe location will not be determined until the module is built and mounted.) In addition, utilization of computerized equipment will simplify the production of replacement body panels in the event of an accident since the computer can duplicate a given part exactly. This includes documentation of all body light locations.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PAYLOAD REQUIREMENTS:

The vehicle payload shall meet or exceed that called for in the current KKK-A-1822 specification or NFPA 1917 standard. The vehicle manufacturer shall, upon notice by this purchaser, provide a written statement from an independent engineer that the model being offered has met this set of criteria. Before delivery of the completed unit the manufacturer shall weigh the vehicle. A written statement of those weights shall be affixed to the inside of the street side front #1 compartment door. This purchaser reserves the right to have the finished vehicle weighed independently upon delivery. If it is found that the written statement of weight provided by the manufacturer is inaccurate beyond what may be reasonably explained as a slight difference in the calibration of the scales, then the vehicle will be rejected. It should be noted that this purchaser, while interested in attaining the greatest possible payload, is unwilling to compromise on the structural requirements of a strong, durable, and safe body. All bidders must understand these factors supercede concern over payload, and that the lightest body (greatest payload) will not necessarily be deemed sufficient to meet the stringent quality and safety requirements set forth herein.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MODULE BODY CONSTRUCTION AND WARRANTY:

The module body shall be constructed per the following detailed specifications. Generally speaking the body shall be of all-aluminum construction. Aluminum is shown to reduce weight over several other materials. It also possesses anti-corrosion properties that are essential for a vehicle of this type. The exact aluminum material requirements are explained in further detail below. The choice of materials and the design shall allow the manufacturer to warrant the materials and workmanship of the module body for a period of thirty (30) years as set forth in the warranty section of this specification. The manufacturers structural warranty shall specifically cover:

- The continued and correct alignment of both compartment and access doors.
- Seam or joint separation in door construction.
- Aluminum interior cabinetry.

The warranty shall be fully transferable to a new owner should the vehicle ever be sold. In addition, should the manufacturer bidding this proposal re-chassis the vehicle within the period of the initial structural warranty, then an additional 5 years shall be added to the remaining amount of warranty coverage left at the time of re-chassis. This warranty shall be revalidated in five-year increments each time the body is mounted to a new chassis provided that the warranty has not expired, that this purchaser authorizes any necessary repairs, and provided that the original

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

CORNER POST SUPPORTS:

The body structure must be able to support the loaded weight of the vehicle in the unlikely event of a rollover. A structure is required that will enhance the safety of both patients and attendants in the event of an accidental collision. The foundation of a solidly built module body is the utilization of strong corner posts in both the sidewalls and the roof. A one-piece 90-degree radius post is required. The posts shall include a full length W shaped extrusion that forms a fully encased web inside the post for strength. This reinforcing member shall angle inward just before it joins the radius to form a small slot where the edges of the aluminum skin will be inserted prior to the final welding. Because the structural integrity of a body is derived from the corner posts, subfloor, and framework, corner posts that are a part of the exterior body skin (e.g. rolled corner posts) will not be considered, nor will corner posts which do not have an integral center reinforcement as part of the extrusion.

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

CORNER POST STRENGTH:

The corner post extrusions shall possess a minimum ultimate tensile strength of 27,000 psi (6063-T5).

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ROOF EXTRUSIONS:

The horizontal roof extrusions shall conform to the same construction description as the vertical wall extrusions. They will, however, include an extruded drip rail as a part of the one-piece posts. Because the drip rail is a part of the post itself there will be no seams between the rail and the body above the rail. In addition there shall be drip rails installed above all body doors that are not full height. These rails shall attach via a durable adhesive.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

WALL AND ROOF SKIN SUPPORTS:

The exterior wall and roof skins shall be supported on the inside by 2" square tubing with .125" wall. These structural supports shall be strategically located at the load-bearing points of the module body. The roof structural support beams shall be spaced on minimum 12" centers for adequate load support. Wall tubing of less than .125" thickness will not be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

HORIZONTAL WALL SUPPORT:

In addition to the vertical wall supports there shall be a horizontal beam, located in the beltline area, to provide additional protection in the event of a side body collision.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

GUSSET ENHANCEMENT:

Gusset supports, made from 2" square tubing, shall be installed throughout the vehicle for added strength. Each gusset shall be a minimum of 5" long at its longest point. A minimum of twenty-four (24) of these gussets shall be welded into the vehicle support structure. Areas of installation shall include but not be limited to: all door openings, all body corners, and above all wheel wells. Designs that utilize no gussets, or gussets of lesser material size or strength, are not acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

EXTERIOR BODY PANELS:

The materials selected for the body skin have been chosen because of this vehicles expected heavy-duty cycle and the good wear characteristics that this material has shown in the field. The material shall be a minimum 5052-H34 alloy with an ultimate tensile strength of 38,000 psi. This material has been chosen because it is less prone to fail due to stress than other weaker materials such as 5052-H32 alloy.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

EXTERIOR BODY PANELS:

The thickness required for exterior body panels is:
-Side, front, and rear walls: .125"
-Ceiling and floor panels: .090"
Note: The roof shall be constructed with a single sheet of 5052-H34 .090" thick aluminum. This one-piece construction is preferred over a multiple piece design. The roof shall incorporate a 3/8" crown designed to allow water to drain.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FLOOR CONSTRUCTION:

Floors that are uneven or are incapable of adequately supporting the load being carried on the vehicle are unacceptable. For that reason thin floor panels and/or a lack of floor supports are not desirable. To prevent buckling, sagging, oil canning or any other structural breakdown of the flooring system a detailed description of the required construction process is provided.

The body subfloor shall be constructed of .090" 5052-H34 aluminum. The floor, from the front to the rear and from curbside to street side shall be supported by a minimum 2" x 3" tubular beams with a .25" wall. The floor just behind the axle shall be supported by a minimum 1.5" x 3" tubular beam with a .25" wall. All beams shall be strategically located at the load bearing points of the floor and welded into place. The interior of this vehicle shall contain no wood or wood products of any kind. The subfloor, above the aluminum sheet shall be specially constructed to provide both acoustic and thermal protection for the patient interior. It shall consist of the .090" aluminum with tubular understructure as noted above. The underside of this area is to be sprayed with a sound reduction coating. In addition, a .125" damping pad, a .125" sound barrier sheet, and a .625" aluminum composite floor panel shall be installed prior to installation of the vinyl floor covering. The purchaser reserves the right to inspect the process proposed by the bidder and to make determinations regarding the acceptability of that process. The resultant subfloor shall have no organic, wood, or wood products and shall be guaranteed against rotting or water absorption for a minimum of fifteen years. It shall not support or attract mold or fungus.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SKIN TO SUPPORT ATTACHMENT:

All exterior aluminum body panels shall be attached to the underlying structural supports via high performance polyurethane two sided tape. The tape shall have a polyurethane foam core for environmental resistance and an acrylic adhesive for a durable bond. The tape will be used as an insulating agent to hold the panels tightly against the structural supports, thus eliminating vibration and oil-canning. In addition to the tape attachment system, all panels shall be welded to structural members at the perimeters only. Welding in the center of the panels is not desired as the process will cause heat distortion of the body panels and lessen the overall quality of the finished appearance. Use of the tape, as described here, will eliminate heat distortion without damaging the structural integrity of the module body.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SKIN TO SUPPORT ATTACHMENT:

Each body panel shall be welded to all horizontal frame members, including the roof extrusions. In addition, the panels shall be welded to the vertical corner posts. In the case of the roof, the perimeter of the one-piece roof sheet shall be stitch welded. This method of attachment shall provide a total welding application to the entire perimeter of the body skin and a taped/insulating application to the interior surfaces of all walls. Methods of panel attachment that utilize rivets will not be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STRUCTURAL INTEGRITY VERIFICATION:

Structural integrity, as stated elsewhere in this specification, is of extreme importance to this purchaser. As such, it is required that the manufacturer maintain a program of simulated crash tests. The manufacturers Hygee sled testing program must be current and have been maintained on a continuous basis for a period of time not less than ten years. In addition, the sled testing shall have subjected a body, built to the above-written specifications, to a minimum of 30 G's in both side and frontal impact conditions. Neither photographs of vehicles that have been involved in accidents, nor statements or observations relevant to an accident, be it from a customer or a manufacturers representative, shall suffice as a substitute for this requirement. The sled testing must take place in a controlled environment whereupon meaningful engineering data can be gathered and applied to the structural design of the module body. Accidents that take place outside of this controlled environment do not yield any meaningful data. Therefore, real world accidents are considered anecdotal and cannot realistically be used by the manufacturer to judge the safety of a design.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MODULAR DOOR DESIGN:

Door panel separation, dirt accumulation at seams, paint imperfections, misalignment, and even malfunctions whereupon the door cannot be operated have been observed in many styles of door construction. These problems, along with the expected rugged use of the vehicle doors, shall be eliminated with a good overall design and construction process. With these thoughts in mind the modular doors shall be constructed as follows:

OUTER DOOR SKIN:

The door facing and edges shall be formed from a single sheet of aluminum. The aluminum used for the doors shall not be less than 5052-H34 alloy with an ultimate tensile strength of 38,000 psi. The material shall be .125" thick. All module doors shall be flush fit to the body side. The door panels must be welded at the corners.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INNER DOOR REINFORCEMENT:

Each door shall include an internal extrusion for added reinforcement. The extrusions shall extend around the entire perimeter of the door. Additional reinforcement shall be installed through the center of the door and around each window where applicable. In addition to the extrusions reinforcing each outer door pan, the extrusions themselves shall be reinforced through a dual joining method. First, each mitered corner, where the frame corners join, shall be fitted with a one-way solid aluminum insertable key. This key shall prevent the corner from pulling apart, and shall act as a solid aluminum internal gusset. Secondly, each corner where the frame joins shall be welded to further prevent any separation. The end result will be a rigid door that will not bend or flex and that will eliminate the other commonly seen structural defects described above.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INNER DOOR PAN:

An inner door pan shall fit flush with the inner edges of the door. Inner door pans that do not fit flush will have sharp or ragged edges exposed and will not be acceptable. The panels must be attached to the door structure with machine screws and "T" style Nutserts to prevent spinning stripping. Sheet metal screws or rivets will not be accepted. Lastly, a closed cell cross-linked polyolefin foam tape shall be used beneath the inner door panels to isolate the panels from the door frames. This process will prevent door rattling.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DOOR SEAL:

All module doors shall incorporate an extruded rubber seal located around the perimeter of the door. The seal shall insert into a groove in the inner door extrusion. Seals that are installed around compartment openings will be easily torn by the movement of equipment across them. In addition, glue will not be permitted except in the case of a double door compartment. The requested design does not include a groove on the underlying door edge of a double door compartment. That edge alone will require an adhesive. Glue for all seals is not desirable because of increased replacement time and insufficient durability.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DOOR JAMB:

All doorjamb must be separate from the body skin and must be welded to the 2" x 2" tubular body frame members so as to ensure continued door alignment and proper latching. The compartment frame shall be designed in such a manner as to provide extra protection around the compartment openings. The reinforcement tube shall be at least 1" wide. For added strength, the frame shall be at least .188" thick where screws are attached.

Prior to door installation the doors shall be true fit to the doorjamb. The fitting, prior to installation, shall provide added assurance that the door aligns properly with the doorjamb.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

HINGING:

All doors shall have full-length stainless steel hinges. The hinges shall be .070" thick and shall incorporate a .25" diameter pin.

All hinges shall have un-slotted mounting holes for an exact and permanent installation. Hinges that utilize slotted mounting holes are unacceptable because of the continued adjustments that they require.

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

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

HOLD-OPEN DEVICES:

The following door hold-open devices shall be installed:

- Compartment doors: Gas filled, 100-degree extension actuator
- Side access door: Gas filled, 110-degree extension actuator
- Rear doors: Cast Products grabber style devices

Spring-loaded devices are not desired because of their weaker holding capabilities and a lack of smooth door operation.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

DOOR HANDLES AND LATCHING SYSTEM:

A door latching system is required that provides safety to all on-board personnel and security to all stored equipment. The patient area must be capable of being quickly secured. The following minimum features are to be designed into the module door latching system:

- All door handles shall be rugged automotive style handles that are near flush with the outer door panel.
Each handle shall actuate a Nader rotary safety latch.
- The handle and latching system shall be designed by their manufacturer to accommodate electromagnetic activation. Paddle style or D ring style handles that must be retrofitted for this application are unacceptable.
- The entire exterior handle assembly shall be Tri/Mark Series 2200 cast metal that is chrome plated and buffed to a high luster.
- All doors shall have an exterior key lock.
- All three patient area access doors shall include both interior and exterior latch activators. The rear doors shall have an activator installed on the outside of each door. The interior activators shall be located in a recessed pan on the door. A manual lock/unlock device shall be located within the pan. This pan shall be powder coated cast aluminum for extra durability and for ease of decontamination. No plastic products shall be used for this application.
- Exterior double door compartments shall include two exterior latching devices, one on each door.
- The rear and side entry doors shall incorporate an emergency release lever located at each rotary latch. The emergency release handle shall allow emergency exit if a latch failure would occur.

The latching system shall be a proven system that has been subjected to the simulated sled tests as described elsewhere in this specification. Latching systems that have not been subjected to these tests will not have reliable data available as to installation and retention characteristics. Again, only controlled testing fulfills this requirement. Neither pictures of accidents, nor common observations gathered from damage surveys will suffice.

PATIENT AREA DOOR OPENINGS:

REAR DOORS:

Two (2) doors shall be provided at the rear of the module body. The overall opening of the access to be a minimum of 52.3" in height x 46.75" in width. Both inside and outside door handles shall be installed on each rear door. Left rear doors that can only be activated from the inside are not acceptable. These doors are to incorporate emergency release levers as described above.

SIDE DOOR:

One (1) side door shall be provided on the curb side of the module body. The opening shall have minimum overall dimensions of 67.1" in height x 30" in width.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INSULATION:

The patient area, including the doors, shall be insulated with 2" Technicon polyfiber for both thermal and acoustic insulation. The headliner area of the vehicle shall also include a barrier insulation of Reflectix material for increased protection.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STREETSIDE FRONT COMPARTMENT:

The compartment described above shall feature the following minimum dimensions:

Clear Door Opening: 16.7" wide x 81.1" high
Actual Dimension: 21.5" wide x 84.1" high x 20.3" deep

This compartment shall be accessed through a single hinged door meeting the standards for door construction, hinging, and latching outlined within this specification. The compartment shall house the vehicle's primary O2 cylinder and shall be vented to the outside in such a way as to prevent moisture from entering the compartment. Under no circumstances shall vents be installed within the compartment door. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125" polished aluminum diamond plate that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STAINLESS STEEL COMPARTMENT SILL PLATES:

A stainless steel sill plate shall be installed on the compartment lower extrusion.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STORAGE RACK, COMPARTMENT:

Fabricate an aluminum "L" section, 16" deep with a 9" left hand return. Mount horizontal return approximately 40" above the compartment floor.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SWEEP OUT COMPARTMENT FLOOR:

The floor of the compartment(s), as noted below, shall be flush with the door frame so as to provide a sweep-out style compartment bottom. There shall be no lip at the forward edge of the compartment bottom, or any other obstruction, that may hinder the purchaser's ability to sweep the compartment free of dirt and/or debris.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SPECIAL INSTRUCTION, BODY MODIFICATIONS

Install a plate of Ultra Slippery Cast Nylon 6 on the compartment floor in front of the oxygen cylinder mount to assist in sliding the cylinder to the mount. Install the plate at the same height as the bottom plate of the cylinder mount.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STREETSIDE INTERMEDIATE COMPARTMENT

The compartment described above shall feature the following minimum dimensions:

Clear Door Opening: 26.7" wide x 32.3" high
Actual Dimension: 32.2" wide x 35.5" high x 20.3" deep

This compartment shall be accessed through a single hinged door meeting the standards for door construction, hinging, and latching outlined within this specification. The remainder of the compartment shall be utilized for storage of miscellaneous items as required by this purchaser. This compartment shall be vented to the outside in such a way as to prevent moisture from entering the compartment. Under no circumstances shall vents be installed within the compartment door unless they are required for airflow to equipment installed within this compartment. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125" polished aluminum diamond plate that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STAINLESS STEEL COMPARTMENT SILL PLATES:

A stainless steel sill plate shall be installed on the compartment lower extrusion.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SHELVING FOR VERTICAL EXTERIOR COMPARTMENT:

A shelf shall be installed in the location(s) noted below. All shelving is to be fabricated from 3003-H14 aluminum diamond plate. This material is to be .125" thick. All shelving is to include a 2" integral lip to prevent equipment from sliding off of the shelf. The compartment light shall meet the lighting criteria as described elsewhere within this specification.

Quantity: 1
Locate: centered

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STREETSIDE WHEEL WELL COMPARTMENT

The compartment described above shall feature the following minimum dimensions:

Clear Door Opening: Available wide x 6.1" high
Actual Dimension: Available wide x 8.1" high x 20.3" deep

The compartment described above shall include a compartment door affixed to an aluminum diamond plate slide-out tray. The door/tray assembly shall include Accuride slides along with a latching mechanism to assure that the tray will remain in the "closed" position. The door and compartment construction methods and materials utilized shall match those listed within the appropriate section of this specification.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STREETSIDE REAR COMPARTMENT:

The compartment described above shall feature the following minimum dimensions:

Clear Door Opening: 42.0" wide x 58.3" high
Actual Dimension: 46.6" wide x 61.5" high x 20.3" deep

This compartment shall be accessed through double hinged doors meeting the standards for door construction, hinging, and latching outlined within this specification. Electrical utility devices, compressors, inverter, vacuum pump, and circuit breaker box to be located against the left wall of this compartment. The remainder of compartment space shall be used for miscellaneous storage by the purchaser and shall be vented to the outside in such a way as to prevent moisture from entering the compartment. Under no circumstances shall vents be installed within the compartment door. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125" polished aluminum diamond plate that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SHELVING FOR VERTICAL EXTERIOR COMPARTMENT:

A shelf shall be installed in the location(s) noted below. All shelving is to be fabricated from 3003-H14 aluminum diamond plate. This material is to be .125" thick. All shelving is to include a 2" integral lip to prevent equipment from sliding off of the shelf. The compartment light shall meet the lighting criteria as described elsewhere within this specification.

Quantity: 3
Locate: space evenly

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

COMPARTMENT NOTCH

Cut, provide notch in exterior compartment for interior cabinet or accessory easement.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

EXPANDED METAL CAGE:

The manufacturer shall provide an expanded metal cage around the installed electrical equipment as noted below. The cage shall include access ports with grip-lock around the edges to protect against sharp corners.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DIVIDER FIXED, VERTICAL COMPARTMENT

A 16" vertical divider shall be installed as noted below. The divider shall be non-adjustable and shall be fabricated from the same material used in the construction of the compartment in which it is to be installed. All utility electrical devices to be located here

Quantity: 1
Locate: 10" from left hand wall

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STAINLESS STEEL COMPARTMENT SILL PLATES:

A stainless steel sill plate shall be installed on the compartment lower extrusion.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CURBSIDE REAR COMPARTMENT:

The compartment described above shall feature the following minimum dimensions:

Clear Door Opening: 21.1" wide x 75.1" high
Actual Dimension: 22.0" wide x 78.1" high x 20.3" deep

This compartment shall be accessed through a single hinged door meeting the standards for door construction, hinging, and latching outlined within this specification. This compartment shall be primarily utilized for storage of purchaser-supplied backboards and other miscellaneous items as required by this purchaser. This compartment shall be vented to the outside in such a way as to prevent moisture from entering the compartment. Under no circumstances shall vents be installed within the compartment door. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125" aluminum that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STAINLESS STEEL COMPARTMENT SILL PLATES:

A stainless steel sill plate shall be installed on the compartment lower extrusion.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DIVIDER FIXED, VERTICAL COMPARTMENT

A 16" vertical divider shall be installed as noted below. The divider shall be non-adjustable and shall be fabricated from the same material used in the construction of the compartment in which it is to be installed.

Quantity: 1
Locate: 11" from right hand wall

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STAIR CHAIR POCKET:

A pocket that is 40" high x 10" wide x 1.2" deep shall be recessed into the inner compartment door panel. The pocket shall be installed as close to the bottom and hinged side of door as possible.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

COMPARTMENT LINING:

The compartment shall be sprayed with a textured scratch resistant coating as noted below.

Color: light gray

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SWEEP OUT COMPARTMENT FLOOR:

The floor of the compartment(s), as noted below, shall be flush with the door frame so as to provide a sweep-out style compartment bottom. There shall be no lip at the forward edge of the compartment bottom, or any other obstruction, that may hinder the purchaser's ability to sweep the compartment free of dirt and/or debris.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DIVIDER LINING:

The compartment divider shall be sprayed with a textured scratch resistant coating as noted below.

Color: light gray

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CURBSIDE FRONT COMPARTMENT:

The compartment described above shall feature the following minimum dimensions:

Clear Door Opening: 16.5" wide x 81.1" high
Actual Dimension: 21.5" wide x 84.1" high x 28.5" deep

This compartment shall be accessed through a single hinged door meeting the standards for door construction, hinging, and latching outlined within this specification. This compartment shall also be accessible from the vehicle interior front wall area. This compartment shall be utilized for storage of purchaser-supplied jump kits and other miscellaneous items as required by this purchaser. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125" aluminum that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STAINLESS STEEL COMPARTMENT SILL PLATES:

A stainless steel sill plate shall be installed on the compartment lower extrusion.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SPECIAL BODY REQUIREMENTS:

The requirements set forth in the following section of this specification represent items and features that may not be offered as standard by the bidder. If the bidder is unable to furnish any items listed in this section, then that inability must be listed and explained in the bidder's list of exceptions. Failure to do so will result in rejection of the bidder's proposal as being non-responsive.

COMPARTMENT MATERIAL, ALUMINUM:

All streetside exterior compartments to be fabricated from .125" polished aluminum diamond plate that is continuously welded at all seams.

The curbside forward compartment and rear long board storage compartment to be fabricated from welded .125" flat plate.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

COMPARTMENT DOOR, ALUMINUM DIAMOND PLATE:

All exterior compartments that are fabricated from aluminum diamond plate, shall include aluminum diamond plate inner compartment door panels.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRICAL EQUIPMENT MOUNTING:

Miscellaneous electrical and utility equipment, aside from the onboard electrical system itself, shall be installed in the streetside rear compartment.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

HEADROOM:

The interior headroom of the finished vehicle shall be: 68"

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STEPPING SURFACE IN SIDE ENTRY DOOR:

The stepping surface inside the side entry door is to be fabricated from aluminum diamond treadplate.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

6" DROP SKIRT DESIGN:

The curbside skirt, forward of the rear wheel well shall be dropped six (6) inches. Two integral aluminum diamond plate steps shall be installed within the side access door step well for improved accessibility to the patient compartment. Under no circumstances shall this be accomplished by bolting an additional step to the step well. The design must be such that all steps are integral. The use of bolts, rivets, or any other type of fastener is prohibited.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STREETSIDE OF BODY LOWERED 6":

The street side body skirt, forward of the rear wheel well, shall be dropped six (6) inches. The extra room is to be provided inside the compartments in this area.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SOUNDPROOFING:

To insure good working conditions and to create a stable patient environment, the vehicle shall be manufactured with particular attention paid to sound control. The following process must be performed throughout the manufacturing cycle of the vehicle:

1. Underbody shall be completely sprayed with sprayable, non-flammable latex sound control coating
2. Body Interior walls, roofs and interior compartment walls shall be sprayed with sprayable non-flammable latex sound control coating
3. The interiors of all access doors shall be sprayed with sprayable non-flammable latex coating
4. The backs of all interior cabinets shall be wrapped in antiphon damping material
5. Door interiors are to be lined with polydamp intefoam extensional damping pad
6. The body structural tubes shall filled with non-resonating dampening material
7. Side stepwell areas are to be backed with PT Damping Pad
8. All walls shall be insulated with 2" Technicon polyfiber acoustic insulation. Headliners shall be double insulated with 2" Technicon Polyfiber and a Reflectix barrier.
9. A .125" damping pad, a .125" sound barrier sheet, and a .625" composite floor panel sandwiched between aluminum sheets shall be installed prior to installation of the vinyl floor covering.
10. A chassis tuned VI-Tech mounting system shall be used to provide

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ROOF POCKET:

The roof of the body shall be designed with an integral recessed pocket to allow for the recessed rooftop condenser as specified below.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MODULE BODY HARDWARE:

The following section lists hardware items that are to be installed on the vehicle body.

WINDOWS, MODULE BODY ENTRY DOORS:

The rear module body access doors shall include windows. The two rear doors shall feature fixed windows. Each of these windows shall measure 16.5"h x 17"w and shall be glazed and tinted in accordance with FMVSS. The windows shall have dark privacy glass. The windows shall meet FMVSS glazing standards. No films are to be used. The windows shall be encased in extruded aluminum frames. Under no circumstances will RV style windows, windows that rely on rubber gaskets, windows that do not feature extruded aluminum frames, or windows that do not meet the above stated minimum dimensions be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

WINDOW, SLIDING FOR SIDE ENTRY DOOR

The side entry door shall have a sliding privacy window. The window shall measure 16.5"h x 17"w and shall be glazed and tinted in accordance with FMVSS. The window shall have dark privacy glass. The window shall meet FMVSS glazing standards. No films are to be used. The windows shall be encased in extruded aluminum frames. Under no circumstances will RV style windows, windows that rely on rubber gaskets, windows that do not feature extruded aluminum frames, or windows that do not meet the above stated minimum dimensions be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DOOR HANDLES:

The vehicle is to include Tri-Mark free floating door handles. The handles shall include a chrome finish and are to activate the door latches through the use of pre-stretched stainless steel cables. Latches using cables made of any other material or that are not pre-stretched are not acceptable. The interior door panels are to be three piece with a removeable center section allowing access to the latch mechanism for lubrication and maintenance.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

EMERGENCY RELEASE PROVISION, SIDE DOOR:

The manufacturer shall install emergency release latches at the top and bottom of the interior of the side entry door. These will allow egress in the event of a door latch failure. The release knobs are to activate the rotary at the top and bottom of the door.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

EMERGENCY RELEASE PROVISION, REAR DOORS:

The manufacturer shall install emergency release latches at the top and bottom of the interior of the rear entry doors. These will allow egress in the event of a door latch failure. The release knobs are to activate the rotary at the top and bottom of each door.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BODY MOUNTS:

This purchaser requires a mounting system that provides a stable and durable attachment of the module body to the chassis frame. To accomplish this requirement the following body attachment method shall be used:

A minimum of (4) four Mounting platforms shall be attached along the outside of each chassis frame rail for a total of (8) eight. Each platform shall consist of (1) top plate of .375" thick steel and (2) side reinforcement plates made of .25" steel. There shall be a .375" full backing plate where the mount attaches to the frame rail. The plates shall be welded along all seams with a heavy continuous weld. The body substructure shall include a 1" by 3" solid aluminum tie down bar welded to each sub structure cross member. To complete the body to chassis attachment, a tuned mounting system shall be used. The elastomer mount shall be custom-tuned to the specific chassis type for vibration reduction, structure borne noise attenuation and to provide low profile, low frequency isolation necessary for ideal patient compartment conditions. Standard chassis furnished mounting donuts will not meet the requirements of this specification. The mount shall be attached to each platform by (2) .625" Grade 8 bolts with washers and locking nuts. The platform shall be attached to the chassis frame rail with a minimum of (3) .625" diameter Grade 8 bolts with washers and locking nuts. The fail safe elastomer isolation mount shall then attach to the aluminum body tie down bar with a .75" diameter Grade 8 bolt, a washer, and a locking nut.

The mounting system must have been subjected to a documented Hygee dynamic frontal impact test of at least 30 G's to verify the integrity of the mounting system in the event of a serious accident. No exceptions to this requirement are permissible.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SPLASH SHIELDS:

Stainless steel splash shields are to be installed on the lower front face of the module body just aft of the cab access doors. These shields are to have a #8 mirror finish and shall match the height of the diamond plate corners guards that are to wrap around the lower corner posts on the side of the body.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RUBBER FENDERS:

Extruded rubber fender flares shall be installed above each wheel well opening. The mounting of these flares shall provide for no contact between the fender fasteners and the aluminum body skin. This is done to eliminate any contact between dissimilar metals and the electrolysis that may result.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RUB RAILS:

Polished stainless lower body rub rails shall be installed on each side of the module body. Each rail shall be securely installed yet simple to remove and replace in the event of damage. Each rail is to be a three piece assembly to include a channel style rub rail and two removable end caps. These rails are to have a #8 mirror finish. Rubber rub rails are not acceptable to this purchaser.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

EXTENDED CORNER GUARDS:

Polished aluminum diamond tread plate corner guards shall be installed on the lower 4 corners of the body. The guards are to be formed to match the contour of the body corner posts.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REAR RISER, ALUMINUM DIAMOND PLATE

Install a polished aluminum diamond tread plate riser between the bottom of the rear entry door opening and the bottom of the body. The manufacturer shall include any necessary holes to accommodate other items installed in this area.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REAR ACCESS DOOR HOLD-OPEN DEVICES:

Cast Products "Grabber" style rear door hold-open devices shall be installed to maintain the rear access doors in the 'open' position. One loop shall be installed on each door, and the appropriate socket shall be installed on the body. These devices are to be chrome finish in lieu of Cast Products' standard finish.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRIC LOCKS, COMPARTMENT DOORS:

Power activated door locks shall be installed on all exterior compartment doors. Locks shall be activated by switches located at each patient area access door and in the front radio console. Each lock may be individually overridden by the use of a key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRIC LOCKS, ACCESS DOORS:

Power activated door locks shall be installed on patient area access doors. Locks shall be activated by switches located at each patient area access door. Locks may be overridden by a manual slide lever or by the door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

TOUCH PAD LOCKS:

The power door locks specified above shall be operable from an exterior programmable touch pad system located as noted below.

Locate:

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DOOR LOCKS WIRED THROUGH OEM SWITCHES:

The power door locks specified above are to be wired to the O.E.M. chassis door lock switches.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RECESSED LICENSE PLATE HOLDER WITH BACKUP LIGHTS:

A Cast Products #C-3002 recessed license plate bracket shall be installed per the instructions listed below. The bracket will include lighting in the top to illuminate the license plate. It shall also include two (2) LED lights, one (1) on either side of the license plate, that will be wired to illuminate when the vehicle is placed into reverse gear.

Locate: center in riser

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REFLECTORS ON ENTRY DOORS:

Red reflectors shall be installed on the inside on the patient area doors.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DRI-DEK IN EXTERIOR COMPARTMENTS:

Dri-Dek material shall be cut to size and installed on the bottoms of all exterior compartments and shelves. Include front wall cabinet.

Color: Red

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PAINT AND STRIPING:

A paint process is required that provides the highest possible gloss as well as superior color and luster retention characteristics. In addition, the paint process must provide a high resistance to chemical sprays, salt sprays, humidity, and temperature changes. Lastly, this process, given the expected life of the vehicle and its heavy-duty cycle, must resist chipping. The final paint application shall be free of material application imperfections such as orange peel, streaking, or a dull finish. Once painted, the vehicle shall be inspected under a black light to bring any small imperfections, not seen with the naked eye, to attention. Any such imperfections shall be repaired prior to the conclusion of the paint inspection process. The final application shall provide a high gloss finish.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PREPARATION:

To produce an acceptable paint finish, the following paint process must be used:

All body doors and hardware must be removed prior to any wash, prime, or final paint application. All material impurities and oils must be removed from the bare aluminum body. The entire module body, excluding the underside, will have all visible welds ground down and all material imperfections filled. The entire body, including the compartment doors, must be finished with a DA. It is also required that all door jamb areas be sanded to insure that no areas are missed with the DA process mentioned above. All holes (e.g. for hinge mounting, etc.) shall be plugged at this stage to prevent any cleaning agents from entering the module body framework. The body shall be prepared for paint by spraying with a high strength detergent followed by a water rinse. Next the body and compartment doors are to be sprayed with a phosphoric acid-based cleaner to remove dirt and oil and to etch the body for superior paint adhesion. The application of the acid-based cleaner shall be followed with a water rinse. Next, a conversion coating shall be applied to the body to enhance paint adhesion and to prevent corrosion. The body shall be rinsed with de-ionized water to prevent salts from accumulating on the surface. The body will, then, be baked dry prior to the application of Sikkens sealer/primer. Again, all module doors, though handled separately from the body, shall undergo the same process as described above.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PAINT:

Immediately after application of the sealer/primer the manufacturer shall apply a finish color coat of Sikkens BTLV 650 paint. The color coat is to be immediately followed by a clear coat. Once all coats are applied the unit is to be baked dry. This base coat/clear coat 'wet on wet' process is required over any other proposed process. Processes not meeting these specific requirements must be explained thoroughly within the bid.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

POST-PAINT PROCESS:

Following the drying of all paint coats the unit is to be thoroughly inspected as noted above. The unit is to be polished and any blemishes repaired. All paint lines must be sanded and cleaned.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PAINT MANUFACTURER'S INSPECTIONS:

The manufacturer shall maintain an outside paint audit system. As part of that audit the paint manufacturer shall regularly receive and test sample paint panels that are painted along with module bodies. The paint manufacturer shall also provide regular onsite inspections of the vehicle manufacturers paint process to assure a consistent level of quality. Audit reports from these inspections shall be provided to management.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ADDITIONAL CORROSION PREVENTION MEASURES:

All locations where fasteners penetrate the outer skin of the module body shall be coated with ECK anti-corrosion agent. In addition, all fasteners that penetrate the outer skin of the module body shall be treated with an anti-corrosion agent to assure the maximum protection against vehicle corrosion and electrolysis.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

NON-METALLIC HOLE INSERTS:

All locations where light heads and fenders attach to the aluminum body shall utilize threaded Nylon inserts to isolate the fasteners from the aluminum module body skin and structure. This practice, along with the other measures described above, shall act to minimize the threat of electrolysis.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PAINT WARRANTY:

The paint warranty provided by the converter must meet all warranty standards as set forth elsewhere within this specification. Bidder must submit a manufacturer's paint warranty certificate with the bid. Failure to do so will result in automatic rejection of the bidder's proposal.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CHASSIS PAINT COLOR:

The OEM chassis manufacturer's bright white paint shall be ordered on the chassis.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BODY PAINT COLOR:

The final paint application to the vehicle body shall be made with Sikkens Autocryl acrylic urethane paint.

Color: White
Number: Z1 Oxford White

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

VEHICLE STRIPING:

A special paint stripe shall be applied per the paint process description above. The stripe design shall match the photographs, diagrams, and/or drawings as provided by the purchaser as may be required. The successful bidder shall provide, prior to any paint application, CAD drawings that depict the required stripe as it will appear on the finished vehicle. The paint color and number shall be as follows:

Paint color: Red
Paint number: FLNA3026

Paint a 12" belt stripe that includes and angled upsweep on the rear body sides that wrap the roof extrusions and stop. Include a 21" break in the vertical upsweep for installation of an 18" star of life. Leave a white paint space gap on the horizontal portion of the belt stripe rear of the upsweep and continue the belt stripe rearward and wrap the rear extrusions and stop. Continue the stripe across the rear entry doors. Note Chevron around the rear entry doors. Include a front face down sweep and extend a 9" stripe forward across the chassis. Mask a 0.25" white paint space gap (to serve as pin stripe) 0.25" in from outer edge of all paint stripe edges. Paint a skirt stripe even with the top of the rear corner guards that extends forward across the module body and cab. Mask a 0.25" white paint space gap (stripe) 0.25" in from the top edge of stripe. The 12" and 9" dimensions listed above is total overall width of the stripe including 0.25" gap and painted

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BLACK PIN STRIPE:

The single color stripe, as described above, shall include a 1/4" black pinstripe that surrounds the entire accent stripe.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REAR CHEVRONS:

Install Diamondgrade chevron striping on the rear of the body around the rear doors. Install inboard of the corner posts and below the upper driprail.

COLORS: RED #983-72
FLUORESCENT YELLOW GREEN #983-23

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ENTRY DOOR CHEVRONS:

The three patient entry door inner door panels will have red and white printed Scotchlite arrow style warning graphic on center door panels.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SPECIAL INSTRUCTION, LETTERING:

Install 5 8" long sections of conspicuity tape evenly spaced on the inside of both the left and right cab door outer edges.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CABINET DOORS, PLEXIGLAS, HANDLES AND HARDWARE:

Information relative to interior door materials, handles, and hardware is provided below:

HANDLES FOR PLEXIGLAS DOORS:

All interior sliding Plexglas doors are to include extruded pull handles.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LATCHES FOR HINGED DOORS:

The hinged doors within the patient compartment are to utilize Southco Stainless Steel flush-style latches as noted below. These latches shall feature recessed pull ring style handles. The latches shall be both positive (mechanical latching) and passive (latches automatically).

Locking:

Non-Locking:

Note: Locking latch locations are to be noted on the drawings.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PLEXIGLAS COLOR:

The Plexiglas interior cabinet doors shall be clear.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INHALATION PANEL:

To prevent contamination of the inhalation panel the panel shall be fabricated using no wood or wood based products. The material used shall be an aluminum composite material. This material shall not absorb liquids and shall not attract bacteria, molds or fungi. The material is to be covered with Formica material in a color matching that required within this document.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INHALATION PANEL CLOSEOUT:

A D/A finished aluminum panel will be installed on the bottom of the inhalation panel. The close-out will include a hinged-down door for access to the O2 bypass valves.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AVONITE COUNTER TOP WITH COVED INTERIOR EDGES:

The patient area countertop(s) shall be constructed of solid surface material. The countertops shall incorporate a 1" radiused retention lip around the perimeter of the material. This radiused corner shall also be tapered to avoid any sharps edged. The area where the lip meets the horizontal surface of the counter shall be rounded and smooth as opposed to a 90 degree mating of materials. A radius cove molding shall be installed at either end of the countertops where the material meets the cabinet wall. The rear edge of the material, adjoining the side wall of the vehicle, shall be sealed with silicone. In addition, any and all areas that require seams due to manufacturing processes shall be sealed with silicone. This material shall be uniform throughout so that scratches can be buffed out without causing adverse effects on the appearance of the material. The Avonite color required is noted below:

Color: Grey Granite

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INTERIOR COLORS, UPHOLSTERY AND SEATING:

The patient area interior design is specified below:

INTERIOR COLOR SCHEME:

The patient area interior shall feature the materials and colors listed below.

INTERIOR COLOR SCHEME: GRAYSTONE
FLOOR: LONPLATE BLACK
RISERS: STAINLESS STEEL
WALLS: GUNMETAL CG TECH
CABINETS: FASHION GRAY PAINT
UPHOLSTERY: FLINT GRAY
COUNTERTOP: GREY GRANITE

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INTERIOR WALLS/DOOR PANELS:

The interior wall and door panels in the patient area are to be finished with a non-laminate material possessing the following properties:

- Finger print resistant
- Resistant to yellowing
- Temperature resistant between -40 degrees and 212 degrees F.
- Resistant to oils, greases, weak acids and salts
- Verified tensile strength of 34mpa

No wood or wood-based products are to be used within the specified material.

Color: Gunmetal

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

INTERIOR STORAGE AREAS:

All interior storage cabinets, including the interior of the squad bench, shall be painted for ease of cleaning. The paint shall have a smooth glossy finish. Under no circumstances shall carpet be used within these storage cabinets as it is impossible to decontaminate. The paint color is listed within the "Interior Color" section of this specification. The paint shall be treated with an antimicrobial agent.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

RISERS:

The interior of this vehicle shall be constructed without the use of wood or wood-based products. The risers shall be constructed of a reinforced structural composite consisting of a high density polypropylene core laminated between two layers of .024" aluminum skin. The composite shall then be covered by a Formica laminate to match the interior of the vehicle. The finished riser panels shall be impervious to water or other forms of moisture and must be guaranteed against rotting or decomposition. Formica laminate will not be installed on the risers if stainless steel riser options are selected.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

STAINLESS STEEL RISER:

The curbside riser beneath the squad bench and the cabinet wall riser shall be covered with a single sheet of stainless steel. The stainless material shall be installed flush with the riser and trimmed at the top and both sides so as to cover the edges. The bottom of the material shall be formed at a 90 degree angle so that, upon installation, the 4" rolled floor will seal against the stainless steel. Designs that do not include this stainless steel riser will not be considered as they will not be capable of protecting the riser from damage due to cot movement, Etc. In addition, stainless steel risers that have exposed edges, or that are more than one piece, will not be acceptable. Drawer and tip-out faces will be constructed with brushed aluminum laminate. Actual stainless steel faces must be specified as an additional requirement and at additional cost.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STAINLESS STEEL LOWER DOOR PANELS:

The lower portion of the patient area entry doors shall be covered with single sheets of stainless steel. If the "Interior Color" section of this specification calls for an accent stripe, then the stainless steel shall stop at the bottom of this stripe. Designs that do not incorporate this feature will not be considered as they will not be capable of protecting the door panels from damage due to cot movement, foot traffic, Etc.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ATTENDANT SEAT:

A USSC bucket type seat shall be installed on the seat base in the rear-facing position. The seat shall be upholstered to match the vehicle interior, and shall be capable of adjustment from front to rear and is to include an integral child safety seat. The seat shall include an integral 4pt seatbelt as described under the "seatbelt" section of these specifications.

ATTENDANT SEAT SWIVEL:

The attendant's seat described above shall include a swivel mount.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SEAT BELTS HARNESS RESTRAINT:MBRACE

Each seating position shall include a 4pt seat belt. Each belt shall include a 4 retractor system to allow all four belts to be fully retractable. Each belt shall also include quick one click design to ease their use. The belt at each position is to be outfitted with a removable vest designed to guide the belt into the proper position, prevent the buckle from moving up or down and side to side, and offer better support and comfort to the seat occupant. The harness to include Horton Mbrace air bags. Mbrace air bags and Rolltek airbags are All-Fire function and will deploy with a front end collision in addition to rollover.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ALUMINUM INTERIOR CABINETS, STREET SIDE:

This specification requires an all aluminum modular cabinet design. Aluminum, a minimum of .063" thickness, is required over wooden cabinetry due to its lighter weight, greater durability, and the ease with which it can be decontaminated. The main cabinet wall shall be of modular construction. All individual cabinets shall be of welded construction. To insure the safety of patients and attendants in the rear of the vehicle, the main cabinet wall installation shall have been tested to a minimum frontal impact of 30 G's per the requirements of the Safety Certification section of this specification. The main cabinet wall may not be constructed of any wood or wood product. Wooden cabinetry can warp, expand, contract, splinter, separate, or crack. Wood will also harbor bloodborne pathogens whereas aluminum can be easily cleaned. Aluminum will remain stable and securely mounted (no fibers to compress) over many years and miles of continuous service. For these reasons, wooden cabinets, even when laminated with another material, will not be acceptable. Bids received that utilize any material other than that which is specified above will be considered non-responsive and will be rejected without further consideration.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CABINET TRIM:

The interior of the ambulance module shall have radius corner extrusions. The radius shall be a minimum of one and a half inches. The radius trim shall also include a removable cap that can be field replaced if damage occurs. (No Exception)

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INTERIOR CABINETRY, STREET SIDE

All of the aluminum cabinetry within the vehicle shall be of welded construction. Methods of cabinet construction that utilize rivets or adhesives of any type will not be considered.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ALUMINUM CABINET WARRANTY:

The all aluminum cabinet construction, as described within this section, shall be warranted against any structural defects for a period of time not less than 30 years. This warranty shall be stated within the manufacturer's structural warranty document, and shall not be subject to any mileage limitations.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CABINET BEHIND ATTENDANT SEAT:

A vertical storage cabinet shall be located behind the attendant seat. The upper storage area shall house the primary electrical distribution area. The lower section shall be used for miscellaneous storage. The left and right cabinet walls shall be fitted with Unistrut shelf track for an aluminum adjustable shelf. Each area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum. The interior of the cabinet shall be painted and trimmed as described in the cabinet construction section of the specification.

Number of Doors: 2 (Including Electrical Cabinet)
Number of Shelves (Adjustable): 2
Number of Shelves (Fixed): 1

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CABINET BEHIND ATTENDANT SEAT:

A vertical storage cabinet shall be located behind the attendant seat. The upper storage area shall house the primary electrical distribution area. The lower section shall be used for miscellaneous storage. The left and right cabinet walls shall be fitted with Unistrut shelf track for an aluminum adjustable shelf. Each area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum. The interior of the cabinet shall be painted and trimmed as described in the cabinet construction section of the specification.

Number of Doors: 2 (Including Electrical Cabinet)
Number of Shelves (Adjustable): 2
Number of Shelves (Fixed): 1

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STREETSIDE CABINET LAYOUT:

All of the cabinets located within this section shall meet the same standards for construction, design, materials, and testing as designated in the previous section.

Configure: All street side cabinets to be 18" deep
Cabinet A: UPPER LINEN
Electrical Distribution
20" wide x 17.5" high
Hinged Solid door
Cabinet B: LOWER LINEN
20" wide x 49.5" high
(2) adjustable shelves
Hinged Solid door
Cabinet 1: ABOVE ACTION AREA
36" wide x 10" high
Sliding Plexiglas door
Cabinet 1a: ANGLED END CABINET, UPPER FORWARD CPR SEAT
12" wide x 14" high
(1) shelf
Right hinged vertical Padded door, locking latch
CPR SEAT: 28" wide 52" high, excluding cushions
Cabinet 3: UPPER REAR
50" wide x 14" high
Sliding Plexiglas doors
(1) adjustable shelf
Cabinet 5: REAR OF CPR SEAT, LOWER
16" wide x 14" high
Bottom hinged Plexiglas door
Cabinet 6: Beneath action area counter
48" wide x 14" high
Sliding Plexiglas doors

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CPR SEAT PROTECTION:

The CPR seat location shall be protected by a combination of an inflatable tubular system at the forward side to protect against entry into the inhalation area as well as a system of progressive resistance head protection cushions.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

TESTING:

All airbag seating locations shall have been tested with a variety of occupant sizes. Those tests shall include Hybrid III fully instrumented test mannequins including 5% child (115 lbs.), 50% female (163 lbs.), and 95% male (195 lbs.). Testing shall have included at least fourteen (14) fully instrumented destructive dynamic roll crashes and an additional six (6) side impact destructive crashes. Roll crash testing shall be performed at 17-19G's while side impacts shall be approximately 27G's.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CERTIFICATIONS:

The vehicle must have been certified as compliant to standards ECE R29, SAE J2420, and SAE J2422. The bidder must show evidence that their service facility is trained and certified to service or to replace the airbags should the need arise. Such certification shall be attached to the proposal (NO EXCEPTIONS).

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STREET SIDE CABINET WALL:

The street side main cabinet wall shall be constructed from aluminum as described above. Each cabinet within the cabinet wall shall be designed and constructed as an individual welded aluminum box. Each box shall be insulated and soundproofed. The boxes shall then be bolted together to form the main cabinet wall. This design will allow for future modifications to the cabinetry should equipment storage requirements be updated. The cabinet wall assembly shall be further insulated against noise and temperature extremes. The entire assembly shall be bolted to the module body structure. Cabinets that are welded or otherwise permanently affixed to the module body structure will be unacceptable. Such permanent installation methods limit the ability to make design updates at a later time. They also increase the time and cost involved with regard to remounting the body onto a new chassis should that occasion ever arise. Likewise, cabinets mounted with the use of either rivets or adhesives of any kind will not be considered without exception.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CABINET SHELVING:

All interior cabinet shelves shall be fabricated from aluminum. The shelves shall utilize mini Unistrut adjustable shelf track.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

TESTING AND STRUCTURAL INTEGRITY:

The cabinet wall design and construction methods described within this specification shall have been subjected to Hygee sled testing as described within the "Safety Certification" section of this document. This testing shall have been performed to a minimum of 30 G's. This testing is in addition to all other testing, whether mandated or voluntary, that has been performed. The cabinet wall shall not be, in any way, responsible for any portion of the module body's structural integrity. However, the cabinet wall, as well as the methods and materials used to attach the wall to the vehicle, must be structurally sound in the unlikely event that this vehicle is involved in an accident. This testing is required as an added assurance that the vehicle interior is crash-stable and safe for all vehicle occupants. Proposals that include cabinet wall designs that have not been subjected to this testing will be rejected on the basis of being non-responsive.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CPR SEAT HEAD PROTECTION:

The progressive resistance head protection cushions shall incorporate layers of foam of increasing densities. Should a head strike occur, then the increasing density of the cushion as the impact progresses shall lessen the likelihood that the head will reach the aluminum cabinet material behind the cushions. It should be noted that standard single density foam cushions will not meet the requirements of this section. The bidder must have performed both actual impact tests as well as computer simulations in order to test the efficacy of this material in reducing head strike intensities to a survivable rate.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RESTOCKING CABINET FRAMES, STREETSIDE:

The street side cabinet(s) listed below shall feature sliding Plexiglas doors that hinge upward for cleaning and restocking of the cabinet in addition to the normal sliding mode of operation. The extruded door frame shall be installed at the top with a full length piano hinge. This will allow the entire frame to flip upwards providing complete access to the cabinet. The door and frame shall be held in the "up" position with two gas-charged cylinders, and in the down position with two sliding dead bolt type latches. The remainder of the door construction shall adhere to the appropriate section of this specification.

Locate: Upper rear cabinet
Cabinet above action area panel

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LOCKABLE DOOR:

A single lockable door shall be installed on the cabinet noted below and designated in the vehicle drawings. The door shall include a Southco locking/latching device, and shall be constructed of Formica-covered material.

Locate: Cabinet below electronics

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SHARPES/WASTE DISPOSAL:

A sharps/waste disposal area shall be installed in a recessed area, fabricated from aluminum, in the inhalation counter top. The lid for this area shall include a spring-loaded hinged-down door through which access will be made to the waste container. The neck of the sharps container will protrude through the top surface of the lid for sharps disposal access. The hinged aluminum lid will provide access to both containers for removal and replacement.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

GLOVES, STREETSIDE CABINETRY:

Install a glove box in inhalation wall, for 4 boxes. The cabinet must be fabricated from aluminum, and recessed into the back wall. Hanging or mounted glove holders are not acceptable.

Size: Customer glove box size, 5.5" x 11.0" x 4.0"
Configure: (1) cut hole in action panel sized for finished dimensions of glove cabinet.
(2) attach angle flanges around border of cut out on back face of action panel. (insulation side)
(3) slide glove cabinet into cutout. Fasten with counter sunk holes from inside of glove cabinet to surrounding return of angle flanges.
Glove box to be fully recessed into the wall.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INTERIOR CABINETS, CURB SIDE:

All of the cabinets located within this section shall meet the same standards for construction, design, materials, and testing as designated in the previous section. Failure of the bidder to provide cabinets meeting these criteria shall be grounds for rejection of the bid as being non-responsive.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SQUAD BENCH STORAGE:

A storage area, fabricated from .125" 5052-H32 aluminum, shall be installed beneath the squad bench cushions. This storage area shall be painted and trimmed per the cabinet construction section of this specification. Access to this area shall be gained by raising the bench cushions. This area shall be as large as possible given the presence of the wheelhouse directly beneath this area. Note that storage areas made of wood, whether or not they are laminated or otherwise covered with another material, will not be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BENCH END RESTRAINT:

There shall be a barrier constructed at the head of the squad bench that will provide a 19" high restraint which, when working in conjunction with the above three point belt system will assist in securing the occupant in the event of a rollover collision.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BENCH HOLD OPEN:

241b. Gas piston style hold-open devices shall be installed on the flip-up squad bench cushion. These devices will provide for smooth and simple operation. For that reason substitute hold-open devices, such as ratchet style devices, will not be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BENCH HOLD DOWN:

Paddle style latches shall be installed on each flip-up bench cushion to hold the cushions in the 'closed' position. The operation of these latches shall be passive and shall required intentional unlatching in order to raise the squad bench cushion. Each latch is to be flush mounted in the face of the squad bench riser.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SQUAD BENCH EDGE PROTECTION:

An aluminum angled trim piece shall be installed along the bottom edge of each bench cushion. Each piece shall be bent to follow the contour of each cushion on the horizontal plane. These trim pieces shall provide added protection for the upholstery against extensive wear.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BENCH BACKREST:

A full backrest cushion shall be installed on the wall over the squad bench. The cushion is to extend the full width of the squad bench and shall be trimmed to match the interior of the vehicle. The upholstery shall be as described in the upholstery section of this document.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BENCH CEILING CABINET:

A cabinet shall be installed at ceiling level over the full length of the squad bench. This cabinet is to be fabricated from .063" 5052-H32 welded aluminum. The interior of the cabinet shall be painted per the cabinet construction description listed elsewhere within this specification. The cabinet is to be accessed through hinged Plexiglas doors that are held in the 'open' position by gas piston hold-open devices. This cabinet is to be a maximum of 9" H to allow enough clearance between the bottom of the cabinet and the top of the seat below to meet KKK-F requirements.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INSIDE/OUTSIDE ACCESS:

An inside/outside dual access storage area shall be provided as indicated below. This area shall be accessible through both an exterior compartment door, and an interior cabinet door.

Locate: Curb side rear
Door Style: Hinged Plexiglas

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ALUMINUM INTERIOR CABINETS, FORWARD WALL:

Like all other cabinets in the patient area that are to be fabricated and installed by the manufacturer, the cabinets on the forward wall are to be fabricated from aluminum as dictated in the appropriate section above. Again, failure of the bidder to meet the criteria established within this specification with regard to cabinet design, construction, materials, and testing will be cause for rejection of the bid as being non-responsive.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FRONT WALL CABINET:

A cabinet shall be provided on the front wall of the patient area just inside the side access door. This cabinet shall run from floor to ceiling and shall be fabricated from .125" welded aluminum. The cabinet shall be anchored at both the top and bottom for stability. This stability must have been tested through a Hygee sled test of at least 30g's. Under no circumstances shall this cabinet be welded to any module body structural member. This storage area shall be used to house purchaser supplied bagged equipment and supplies.

Finish Material: texture painted surface
Color: per interior color scheme section
Shelf Quantity: 4 (.125" thick material)
Shelf Type: 1 fixed, 3 adjustable
Shelf Liner: DriDeck

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

GLOVE STORAGE ABOVE FRONT WALL CABINET:

Storage for (2) glove boxes shall be provided in the header above the front wall cabinet. The face of the storage area will be covered in matching interior vinyl and include openings for access to each storage area. The header will be hinged for restocking or removal of glove boxes. Surface mount glove holders are not acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FRONT WALL CABINET HINGED DOORS:

Access to the front wall cabinet, as described above, shall be provided per the description below.

Door Type: Hinged Plexiglas
Quantity: 4 (Equal size)
Locate: Front wall cabinet
Latch Style: Southco

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

GLOVE BOX, FRONT WALL CABINET:

Provide storage for (2) boxes of glove on the back wall of cab console.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MODULE INTERIOR ACCESSORIES AND TRIM:

The following section addresses interior accessories and trim features. All installation locations, as noted below, shall be strictly adhered to by the bidder. The items in this section will directly influence the quality of care given to the patient, as well as the safety of the attendants. For these reasons the installation locations listed below must be met without exception.

IV HOOKS:

Cast Products recessed swing-down IV hangers shall be installed per the instructions listed below. These hangers are to be near flush mounted into the patient area ceiling to reduce their interference with the walkway when not in use. The arms of each hanger shall be rubberized so as to reduce the possibility of injury that may occur if contact is made with them. This style IV hanger shall be sufficient to meet Federal KKK-1822-E.

Quantity: 2
Locate: Mid chest of cot, center position
Midsection of bench, aisle edge

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ANTI-MICROBIAL COATED COT CEILING GRAB RAIL:

A grab rail shall be installed in the ceiling as noted below. This rail is to be constructed of stainless steel. Integral stanchions shall be welded into place at fixed points along the length of the rail for attachment to the ceiling. The rail shall attach through aluminum mounting plates that are welded to the module roof structure for strength and durability. Because contamination occurs most often as a result of contact, this feature must be treated with an anti-microbial agent consisting of an inorganic ceramic coating embedded with silver ions. This coating shall be effective against a broad range of microbes including bacteria, molds, algae and fungi.

Split Rails For Cot: Two 2' sections
Locate: Each side of CPR seat over cot

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ANTI-MICROBIAL COATED BENCH CEILING GRAB RAIL:

A grab rail shall be installed in the ceiling as noted below. This rail is to be constructed of stainless steel. Integral stanchions shall be welded into place at fixed points along the length of the rail for attachment to the ceiling. The rail shall attach through aluminum mounting plates that are welded to the module roof structure for strength and durability. Because contamination occurs most often as a result of contact, this feature must be treated with an anti-microbial agent consisting of an inorganic ceramic coating embedded with silver ions. This coating shall be effective against a broad range of microbes including bacteria, molds, algae and fungi.

Size: 6'
Locate: Curbside edge of center ceiling plate

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

VERTICAL GRAB RAIL WITH ANTI-MICROBIAL COATING:

A vertical grab rail shall be installed as noted below. This rail is to be constructed of stainless steel with a brushed finish. The rail is to attach to the mounting location at each end. The attachment points shall be reinforced for added strength and durability. Because contamination occurs most often as a result of contact, this feature must be treated with an anti-microbial agent consisting of an inorganic ceramic coating embedded with silver ions. This coating shall be effective against a broad range of microbes including bacteria, molds, algae and fungi.

Quantity: 2
Size: 2'
Locate: right rear wall near rear doors
Locate: step well side of bench restraint.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PATIENT AREA DOOR GRAB RAILS:

Angled door handles shall be installed on the interior door panels of each access door. The handles shall be one-piece and shall be constructed of stainless steel. The handles shall feature smooth radius corners and flange mounts at each attachment point. Because contamination occurs most often as a result of contact, this feature must be treated with an anti-microbial agent consisting of an inorganic ceramic coating embedded with silver ions. This coating shall be effective against a broad range of microbes including bacteria, molds, algae and fungi.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CEILING:

The patient area ceiling shall be constructed of a bright white Alcopla aluminum composite material consisting of a polyethylene core laminated between two sheets of coated aluminum. The headliner shall be smooth, impervious to moisture, easy to clean and durable. It shall have the same rate of expansion and contraction as the aluminum body. Headliner that is padded or upholstered in any way will not be considered, nor will any headliner made of wood or wood products due to the lower degree of durability and the risk of contamination inherent in such materials. Plastic, fiberglass or ABS headliner material is not acceptable due to the cracking commonly causing by the differing rates of expansion. Lastly, the headliner material shall be treated with an antimicrobial agent. The bidder, at the request of the purchaser, may be required to submit proof of the application along with a detailed description of the agent used and the types of organisms that it effects.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FIRE EXTINGUISHER:

Two (2) 5# ABC fire extinguishers, with mounting brackets, shall be supplied on the completed vehicle per the notations below.

Quantity: 2
Locate: (1) Curbside forward compartment, left wall
above floor
Locate: (1) front wall above pass thru

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PATIENT AREA RADIO SPEAKERS:

Two (2) speakers shall be installed in the patient area. The speakers shall include a volume switch that is integral to the rear action area switch panel. The volume shall be controlled by individual up/down switches of the type described in the electrical section of this specification.

Speaker Location: Over rear doors

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

COT MOUNTS AND ACCESSORIES:

The following cot mounting hardware shall be installed per the instructions listed below. The installation shall meet the hardware manufacturer's installation guidelines. In addition, the installation process shall have been subjected to Hygee sled testing as outlined elsewhere within this document.

Does your installation meet the sled testing requirements?

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

COT MOUNT:

The bidder shall supply and install a Stryker Power Load system in the completed vehicle.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STRYKER UNIVERSAL FLOOR PLATE, INDUCTIVE:

The manufacturer shall supply and install a Stryker Performance Load floor plate assembly kit, to include the rail, in the center position. This unit includes the charger prewire.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

COT FLOOR PLATES:

Stainless steel floor plates, .050" thick, shall be installed on the patient area floor below the cot wheels. The floor plates shall be attached to the floor with #6 flathead stainless steel screws. The entire perimeter of each plate shall be sealed to the floor with silicone to protect the area beneath the plates from contamination.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

COT:

One (1) new cot shall be provided complete with mattress and straps as noted below. The cot shall be installed in the vehicle and shall be properly adjusted for use.

Cot Model: Power Pro XT
Options: Custom Spec. Contact local Stryker representative for specifics.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STRAPS: PATIENT HANDLING EQUIPMENT:

EQUIPMENT STRAPS:

Description: Equipment mounting straps are to be installed where indicated. The straps to be 2" Wide heavy-duty nylon straps. The straps to include a Velcro hook & loop closure system that doubles back on itself through a "D" ring doubling the holding power. The anchor ends shall be fasten to the compartment walls with full width footman's loops. Velcro only straps are not acceptable do to the tendency to loosen. Buckle straps are not acceptable as they are difficult to adjust tightly yet remain manageable to secure.

Locate: Streetside forward compartment, right hand wall
Equipment: Reeves stretcher

Locate: Streetside forward compartment, above shelf
Equipment: short board, KED

Locate: Curbside rear compartment, below shelf
Equipment: Stryker Stair Pro stair chair

Locate: Curbside rear, against divider
Equipment: Long Boards

Locate: Curbside rear, against left wall
Equipment: Scoop

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LIGHTBARS:

Lightbar information, as may be required, is noted below:

FRONT LIGHTBAR FOR 96" BODY:

The lightbar specified below shall be installed per the lightbar mounting instructions that follow. This lightbar shall be a maximum of 86" wide for installation with a 96" wide body.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FRONT LIGHT BAR:

The light bar, as described below, shall be provided per the information listed below. Installation of this light bar on the vehicle shall follow the instructions given under the "Light Bar Mounting" section of this specification.

Manufacturer: Whelen
Model: Liberty II 54"
Configure: (1) IJ2DEDE
(1) photo cell
(1) drivers side cable exit
(2) IBDL DUO Long White|Red
(2) IBDL DUO Long White|Blue
(1) IBDS DUO Short White|Red
(1) IBDS DUO Short White|Blue
(1) IA3 LED Aley Lights
(1) Opticom, GT795H
(2) F4795HT TIR LED Take Down

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/WLED|WLED|WLED|WLED|TD|--GTT--|TD|WLED|WLED|WLED|WLED\  
/ RLED|RLED|RLED|RLED| |BLED|BLED|BLED|BLED \  
| ALLEY | ALLEY |  
\ WLED| |WLED /  
\RLED| |BLED/
```

Lightbar cable to enter drivers side
Program a front panel switch to steady burn all white light segments.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FRONT LIGHT BAR MOUNTING:

The light bar specified above shall be installed per the instructions listed below. The light bar model is also provided for clarification purposes.

Light Bar Location: Cab roof with Permanent Mount
Light Bar Model: Whelen bar described above

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS:

Warning lights are to be installed per the following instructions:

FLASHING SEQUENCE FOR LED LIGHTING

The following light head grouping and sync shall be established as separate controllable circuits.

- Warning light groups: - front and side M9 warning
- rear M9
- grille lights
- chassis intersection lights
- rear wheel intersection lights
- rear M6

Program: wire individually in field programmable options.

Note: Each wire should also have field programmable Option for steady burn (a.K.A constant hot).

Note: Each sync wire should be able to turn on/off within Field programmable options.

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

FLASH PATTERN PROGRAMMABILITY:

The selected M Series lighting shall feature programmable flash patterns. A dedicated switch is to be provided in the front control panel to change the flash pattern of the specified emergency warning lights.

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

HEADLIGHT FLASHER:

The vehicle headlights shall alternately flash through the activation of the appropriate switch on the cab control console. This feature shall be accomplished through a solid state flashing device that is a part of the primary electrical control board.

A programmable phase control shall be built into the system board to allow alteration of the light flashing sequence. The flash pattern must be capable of being switched from an alternating pattern to a pulsating pattern.

The phase of "on" time can be programmed to flash when desired for an effective light pattern. For instance: If the left grill light is flashing "on", the right flashing headlight is desired to be "on". Different flash patterns may be achieved through programming.

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

L.E.D. WARNING LIGHTS ON COMPARTMENT DOORS:

Install custom made L.E.D. light strip(s) on the compartment door interior door panels. The light strip shall be comprised of an array of L.E.D. lights, centered behind a integral lens for maximum light disbursement. Each light strip is to be twelve inches in length with 3" sections of alternating light colors as noted below. When mounted the lens shall be flush with the aluminum diamond plate inner panel. The light strip shall flash when the compartment door is open, and the red flashing light circuit is activated. The lens shall be designed to provide a bright and intense light from a distance. As distance is decreased the light shall become less intense, preserving night time visibility for people working near the vehicle. L.E.D. lamps shall be used due to their "cold" operating temperature, low amp requirement, and long life expectancy. The lights are to provide additional lighting to warn traffic and pedestrians of open compartment doors, and to provide additional safety for the attendants.

Quantity: 7
Color: Red/amber
Compartment: All exterior compartment doors.
Configure: lights to flash if door is open and battery switch is on

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

L.E.D. WARNING LIGHTS ON ACCESS DOORS:

Install custom made L.E.D. light strip(s) on the side and rear patient area access door interior door panels. Each light is to include 3" sections of alternating light colors as noted below. Each light strip shall include an array of L.E.D lights centered behind a integral lens for maximum light disbursement. Each light strip is to be twelve inches in length. When mounted the lens shall be flush with the inner door panel. The light strip shall flash when the access door is open, and the red flashing light circuit is activated. The lens shall be designed to provide a bright and intense light from a distance. As distance is decreased the light shall become less intense, preserving night time visibility for people working near the vehicle. L.E.D. lamps shall be used due to their "cold" operating temperature, low amp requirement, and long life expectancy. The lights are to provide additional lighting to warn traffic and pedestrians of a stationary emergency vehicle with open access doors, and to provide additional safety for the attendants.

Quantity: 6
Locate: all 3 patient access doors, 2 per door
Configure: use split color Red|Amber at the top
use split color Amber|Red at the bottom
Configure: lights to flash if door is open and battery switch is on

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

WHELEN M SERIES LIGHTING:

L.E.D. LIGHTING:

Whelen M7 Series red/white side/side split L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange. Clear lens is standard for split color light color light heads.

Quantity: 2
Location: front fender intersection lights.
Configure: white facing forward.
Each split color warning section shall have its own power wire.
Alternate flash within.
Forward facing white to steady burn with respective turning signal. The cornering light feature to operate in both emergency, and non-emergency modes.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

L.E.D. LIGHTING:

Whelen M6 Series red/blue side/side split L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange. Clear lens is standard for split color light heads.

Quantity: 2
Locate: Rear Face, L1, R1

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

L.E.D. LIGHTING:

Whelen M6 Series amber L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange.

Quantity: 1
Location: center over rear doors
Lens color: clear

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

L.E.D. LIGHTING:

Whelen M6 Series red L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange.

Quantity: 2
Locate: Rear face, upper row, left side, L1 and L2

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

L.E.D. LIGHTING:

Whelen M9 DUO Series RED/BLUE split L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange, and low power feature. Clear lens is standard for all split color light heads.

Outer color: Red
Inner color: Blue
Locate: (2) front face
(2) upper streetside corners
(2) upper curbside corners

Configure: Clear lens
Each split color warning light shall have its own power wire.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

L.E.D. LIGHTING:

Whelen M9 Series side/side split L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange. Clear lens is standard for all split color light heads.

Quantity: 2
Outboard color: Blue
Inboard color: Amber
Locate: (1) rear face window level - streetside

Outboard color: Blue
Inboard color: Amber
Locate: (1) rear face window level - curbside

Configure: Clear lens
Each split color warning light shall have its own power wire.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REAR INTERSECTION, VISUAL EMERGENCY WARNING:

Install Whelen V23RTPC lights over each rear wheel. Red to flash with emergency lights. Enable Puddle light when headlights are on. Enable Spot light with scene lights.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SPECIAL INSTRUCTION, VISUAL EMERGENCY WARNING:

Install the following warning lights in the chassis grille area.

Locate: (2) upper grille bar
(2) lower grille bar
Manufacturer: Whelen Ion Trio
Model: I3SMJC
with Black Bezel
Configure: Clear lens
Switch in control panel to be labeled GRILLE LIGHTS
Program switch in front panel to enable all white lights to steady burn, "GRILLE SCENE"

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AUDIBLE EMERGENCY WARNING SYSTEMS:

The following audible emergency warning features shall be installed on the vehicle:

AIR HORNS:

Twin Buell #1061 air horn trumpets shall be installed as follows. One trumpet is to be recess mounted within the front bumper. The air horn system is to include a 12V air compressor and an air storage tank.

Activation: Push button in upper left corner of console.
Program compressor to operate if the battery switch is off and the shoreline is on and the Battery charger is active.
Configure: Install (1) 10" trumpet and (1) 9" trumpet

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SIREN: WHELEN HFS295C9

The vehicle manufacturer shall supply and install a Whelen HFS295C9 siren as noted below.

Siren Location: Cab Radio Console
Quantity: 1

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SIREN INSTALLATION:

The electronic siren specified above shall be installed in the designated location and wired for operation through the speakers noted below.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SIREN SPEAKERS:

Cast Products SAD3806 and SAP3806 speakers shall be installed on the chassis per the instructions listed below. The speakers shall be wired for operation through the siren listed above.

Quantity: 2
Locate: Bumper mounted

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LIGHTING:

Lighting information is noted below:

SIDE BODY RUNNING LIGHTS:

One Whelen M6 Series L.E.D. light with a red lens and a chrome flange shall be installed on each side of the vehicle towards the rear of the body. These lights shall function as both running lights and turn signals.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DRIVING LIGHTS:

One pair of Rigid Industries 106613 6" E-Series driving lights shall be installed near the front bumper. These lights shall be wired through a switch located on the cab electrical control console.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

EXTERIOR COMPARTMENT LIGHTING:

The compartment lighting for the exterior compartments noted above shall consist of LED lighting strips. Strips of LED lights shall be installed on each side of the compartment opening on the inside of the door jamb and shall direct the light back into the compartment. These light strips shall fit securely into clips installed in this location. These strips shall be semi rigid. Please note that rope lighting is not an acceptable alternative to this requirement.

Color: Blue

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

360 DEGREE MARKER LIGHTS:

The specified 360 degree marker lights, as detailed in the previous section, are to flash in primary mode along with the other specified emergency warning lights.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RUNNING BOARD LIGHTS, CUSTOM STRIPS

The bidder shall install custom made white L.E.D. light strips, one per side, flush mounted into the running board/step area. The light strips shall have a scalloped integral lens strip for maximum light disbursement. The lights to function as follows.

Configure: Alternate flash in Emergency mode.
Steady burn white with opening of cab door.
Steady burn white with respective signal.
Flash red with respective signal

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

M9 SERIES LED SCENE LIGHT:

Whelen M9 Series LED Scene Lights shall be installed in the quantity and locations noted below. Each light shall include the optional chrome flange. These lights shall be activated by right and left side switches located within the front electrical control console. Additional means of activation, if any, are listed in the electrical section of these specifications.

Locate: (2) per body side. Next to red flashers.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LOAD LIGHTS:

Whelen M6 Series LED Scene Lights shall be installed in the quantity and locations noted below. Each light shall include the optional chrome flange. These lights shall be activated when the rear doors are opened, and by a switch located within the front electrical control console. Additional means of activation, if any, are listed in the electrical section of these specifications.

Quantity: 2
Locate: OVER REAR DOORS

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AMBER ARROW LIGHTS, M6 SERIES LED's

One pair of Whelen amber arrow M6 Series L.E.D. 'Arrow' turn signals shall be installed on the rear of the module body per the instructions listed below. Each light shall include the optional chrome flange.

Locate: front face of module body

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

TAIL LIGHTS:

Whelen M6 Series L.E.D. tail/brake, back-up, and turn signal lights shall be installed on the rear of the module body per the instructions listed below. All six of these lighting assemblies shall include the optional chrome flange. The tail/brake and turn signals shall be L.E.D. style lights. The back-up light shall be halogen.

Locate: tail/stop and reverse lamp in ALD riser
turn signal in module body rear face,
centered in stripe

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DRIVING LIGHTS, NON-EMERGENCY LIGHTING:

Install the following lightbar mounted remote control bar light.

Manufacturer: Whelen
Model: Arges light bar mounted LED
Spotlight and remote.
Configure: ARGFS1, ARGCH*, and ARGLB1.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SPECIAL INSTRUCTION, NON-EMERGENCY LIGHTING:

Install a Whelen Pioneer PCPSM1C super LED combination spot floodlight as noted below.

Quantity: 1
Locate: front face of module
Configure: Light to operate in Non-Emergency Mode as well as Emergency Mode. Light is to default ON when ALL WHITE switch for front light bar is selected.
Switch Name: Front Flood

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRICAL POWER GROUP:

The vehicle electrical system is extremely important to this purchaser. The requirements for the onboard electrical system are noted in detail below. The bidder's electrical system, should it deviate in any way from that which is specified, shall be explained in great detail. This explanation shall present facts relative to the bidder's system only. The bidder shall not draw any comparisons between the electrical system being offered, and the system being specified. Any comparisons or decisions regarding one system versus another will be made solely by the purchaser and shall be based entirely on the written description as provided by the bidder at the time the proposal is submitted. All decisions made by the purchaser as to the merits of one system over another will be final and will not be subject to discussion, either verbal or written, at any point.

ELECTRICAL CONTROL SYSTEM STANDARDS:

The electrical control system must meet all current ambulance design standards to include, KKK 1822, NFPA 1917 and AMD. A system is desired that is easy to use, simple in design and allows electrical problem diagnosis and repair time to be minimized. The electrical system must be thoroughly engineered and manufactured to allow simple personnel operation. Finally, the system must be designed so that the probability of experiencing dead batteries, shorted electrical components and engaging in lengthy troubleshooting procedures will be reduced. In some cases the electrical output provided by the chassis charging system can be marginal and under certain circumstances the electrical load can exceed the alternator output. In addition, some electrical systems have not provided proper circuit protection and at times have not provided adequate wiring for the load. To address the above objectives, the following minimum electrical system design is required:

CONVERTER ADDED CHASSIS CHARGING ENHANCEMENT:

The basic design for the chassis electrical output system must include equipment that provides adequate electrical needs to operate the vehicle's electrical components. In addition, a system is desired that continually monitors the chassis voltage and amperage outputs. The end result of the desired electrical output system is longer battery life, less down time associated with charging system repairs, and the fulfillment of each and every emergency response.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

Automatic Throttle Advance:

In order to reduce the number of component parts and unnecessary throttle linkages, the factory electronic throttle control shall be utilized to activate the throttle advance system. The controls shall require that the chassis be placed in Park or Neutral with the Module Disconnect switch in the On position and the Park Brake engaged before activation of the throttle advance. A digital display warning on the driver console, accompanied by an audible tone, must instruct the driver to Set Park Brake or Release Park Brake to engage or disengage the automatic throttle control. No Exceptions.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AUTOMATIC LOAD MANAGEMENT:

In order to insure that onboard personnel attention is focused on victim care rather than being occupied with monitoring vehicle systems, an automatic load management system is required. The bidder must provide a system that continually monitors the vehicles charging system while it is sitting on scene. The system design shall have the ability to automatically shut down not less than ten pre-programmed electrical circuits to prevent a deficit charging condition while the vehicle is sitting at idle. The system shall be programmed to constantly scan the electrical system.

If a deficit charging condition continues for more than one minute, a pre-programmed circuit shall shut down, correspondingly reducing the electrical draw. If the deficit condition continues, a second circuit shall automatically shut down. This process shall continue to repeat at one-minute intervals until at least ten circuits are shut down with corresponding load reductions. In the event any circuits are being controlled (disabled) by the load management system, the driver must be informed in two ways. First, a digital display warning shall appear on the driver information panel indicating Load Management Active. At the same time, the L.E.D. switch indicator light shall begin to flash for each specific circuit that is being disabled. Systems that cannot indicate specific circuits being affected by the Load Management System are not acceptable.

Load management systems must be programmed through a microprocessor based logic and memory system rather than a series of mechanical relays.

Systems that require manual activation of Load Management will not be acceptable. Once the deficit condition ceases to exist, the system must be capable of restarting any disabled circuit without any action required by the driver.

The bidder is required to furnish a system that permits the end user, if he so desires, to determine prior to production the order of priority for shedding loads. Although the entire system must function automatically, it must also be designed so that it can be set by the end user to a mode for restocking, training, or maintenance convenience. The System Off setting shall not be merely a switch which would permit the operator to easily turn off Load Management. The intent is to keep the system active at all times when the vehicle is in operation.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PRIMARY SECONDARY:

Primary Mode is automatically selected when the vehicle is placed in gear, or if the PRIMARY switch is enabled. Primary Mode typically enables all Emergency Lights "on" for effective traffic clearing. Secondary Mode is automatically selected in transmission park position, or if the SECONDARY switch is enabled. Secondary Mode offers an alternate preset emergency light selection that typically has reduced emergency lighting activation. Primary and Secondary light selections are programmable.

PRIMARY MODE: all emergency lights ON

SECONDARY MODE: ON
body flashers
grille lights
intersection lights
OFF
front light bar

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LOW AMPERAGE SWITCHING:

Electrical devices that are not activated automatically shall be controlled from either the cab or patient area control panels through the use of manual switches. A low amperage switch that sends only an on/off signal to the central electrical distribution area is required. The switches provided shall have documented durability ratings at a minimum of fifty million (50,000,000) cycles. The switch design shall include magnetic technology to attain the required durability ratings. Switches that are rocker style will not be acceptable due to their tendency to degrade and fail in continued field use. To eliminate loose or poor contacts, it is unacceptable to have soldered or terminal type connections for the switches. The switches must be an inherent part of the panels.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SWITCH "ON" INDICATOR LIGHT:

All switches (unless otherwise noted) on the panels described below shall include a red L.E.D. indicator light that will indicate when power is being applied to a circuit. Designs that have indicator lights that activate to indicate switch position only are not acceptable. In addition, the indicator lights shall be independently programmable to flash or steady burn as required to meet the end user specification.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SWITCH PANEL DESIGN:

Both the driver and the patient area switch panels must be designed so they can be easily decontaminated. Current designs make decontamination impossible when an attendant must use a contaminated glove to operate the switch panel while treating a patient. These areas become breeding grounds for bacteria. For this reason, the switch panels must be built in such a manner that there are no openings or crevices on the panel faces.

The entire switch panel must be sealed with a protective overlay material. There shall be no printing or labeling on the face of this material. Holes in the panel through which switches, backlighting, or legends are inserted will be unacceptable. The panels must be cleanable with any commercially available spray type cleaner or disinfectant commonly used by EMS systems with no damage created by fluids leaking through openings onto the circuit boards or switch contacts.

The panel surface must be covered with a polyester film laminate for enhanced solvent resistance, strength, and durability. Both front and rear switch panels shall have been tested to at least a 24 hour exposure under

DIN 42 115 Part 2 for the following commonly used chemicals: hydrogen peroxide <25%, bleach <20%, glycol, isopropanol, xylene, benzene, phosphoric acid <30%, ammonia <2%, hydrochloric acid <10%, acetic acid <50%, sulphuric acid <10%, diesel fuel, silicone oil, linseed oil, Windex, Formula 409, Fantastic, Wisk, Downey, washing powders, fabric conditioner, Ajax, and glycerin. The bidder shall be required, if asked, to provide the appropriate documentation showing that the above chemicals produced no visible damage after at least a 24 hour exposure. Bidders should be cautioned that commonly used polycarbonate or vinyl membrane fascia and nameplate substrates for electrical panels will not meet this requirement.

The panels shall be spill resistant to shed accidental moisture from spilled soft drinks or coffee cups. In addition, the surfaces of the panels shall be antimicrobial. This antimicrobial property is to be inherent in the surface material itself and shall not need to be reapplied at any point in the future. Products offered that include aftermarket treatments of the panel surfaces will not be considered.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SWITCH PANEL BACKLIGHTING:

All switch perimeters shall be lighted and raised for ease of switch location at night. In addition, the control panels shall include a red color LED indicator -to further distinguish switch activation.

The switch panels shall include, on each panel, an individual intensity control. Switch panel lighting that operates at the same level as the cab instrument panel or that illuminates both the front and rear panels at the same intensity will not be considered. The bidder must provide totally independent control for each panel.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CAB CONTROL SWITCHING AND LCD DISPLAY:

Switch Activation:

The cab control center shall include 8 critical buttons installed in protective enclosure with proper ventilation to maintain temperature. The following minimum circuits shall be provided on the switch panel:

- Module Disconnect
- Emergency Master
- Emergency
- Interior Lights
- Exterior Lights
- Home
- Apps
- Options

The following displays will appear on the Home screen of the cab console:

- Voltage (to the nearest 0.10 volt)
- Amperage (to the nearest amp)
- Outside Temperature
- Inside Patient Area Temperature
- Access or Compartment Door Open Warning Message and Display
- Electrical System Diagnostics
- 24 Hour Clock
- HVAC
- Emergency Brake Warning
- Accent Lighting and Backlighting Controls
- Patient Warning

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

PATIENT AREA CONTROL SWITCHES AND LCD DISPLAY:

Switch Activation: Home

The patient area control center shall include 8 mission critical buttons installed in a backlight aluminum control panel. The following circuits shall be provided on the Home screen of the switch panel:

- Rear Heat/AC Activation and Separate Temperature Control
- Rear Heat/AC Fan Speed Control
- Power Vent
- Interior Lights
- Oxygen and Suction
- Patient Status
- Stop Clock
- Oxygen Line Pressure
- Oxygen Cylinder Pressure
- Exterior Lights

Digital Message Center:

The following digital displays shall appear on the faceplate of the patient area control console when selected:

- Patient Area Temperature
- Thermostat Setting
- Oxygen Tank Pressure
- Oxygen Line pressure
- Oxygen Warning

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

MODULE COMPARTMENT AND ACCESS DOOR SWITCHES:

Exterior circuits such as loading lights, side scene lights and compartment lights shall be activated by low amperage, non-mechanical switches. The type of switch desired is a magnetic sensitive switch that activates the circuit when the magnetic plane is broken. Plunger type switches are not acceptable because of their short useful life and higher amperage requirements.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

DOOR OPEN INDICATOR:

A vehicle graphic door open warning indicator, with accompanying audible chime shall be installed in both the cab and patient area. A digital display shall appear on both consoles indicating which specific door has been left ajar.

Under no circumstances will red flashing lights or systems that do not specifically pinpoint a specific open door be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CENTRAL ELECTRICAL DISTRIBUTION AREA:

The electrical system smart modules shall be independent and include their own logic. They must include RAM memory to execute commands without having to rely on a central CPU. The system must not be centered around the use of a logic-controlled microprocessor built into a single circuit board. This logic control system is required to maximize reliability of the electrical system and to minimize downtime. It must be provided in order to match the type of control system used in the chassis and to prevent communication problems caused when dissimilar systems are employed. The design of the system must totally separate chassis operation from converter feature installations. In the unlikely event of converter component failure, the chassis must still remain operable.

The computer based electrical system must utilize components similar in design to the computerized chassis functions such as the OEM cruise control system, fuel feed system, transmission control system and braking system.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MULTIPLEXED ELECTRICAL COMMUNICATIONS SYSTEM:

Because most chassis manufacturers have chosen multiplex electrical communication technology to operate the chassis system, this purchaser requires the same technology for the converter-added systems. A standardized electrical control and wiring system is required. The vehicle manufacturer must own and control all rights to the electrical system. Standard systems controlled by outside vendors and modified for a specific vehicle or manufacturer will not be acceptable due to the unpredictability for future parts or service. Switch panels or modules that are not standard in design and are not interchangeable from one unit to another will not be considered. Since solid state logic-controlled technology is commonly available and not proprietary to any one manufacturer and has been proven to be more reliable with greater benefits, a blanket exception or clarification regarding the electrical specification is not acceptable and will be cause for automatic rejection of the bid.

In addition, the system will consist of a series of input / output control modules to manage and feed information and to control the various circuits required by this specification. Each smart module must have 32 outputs and 10 inputs. The smart modules shall have a chassis gateway interface with a 120 amp max output. Mate-Lock connectors shall be used for all load connections. Molex connectors shall be used for data transmission lines. Under no circumstances will systems be acceptable that utilize screw type terminals or card connectors due to their susceptibility to working loose due to vibration normally encountered on a vehicle.

Under no circumstances may the operation of the central processing unit or the input or output modules be based upon the operation of mechanical relays. Relay based systems require higher amperage operating current and rely on mechanical contact points designed to degrade with use, creating short duty cycles for the vehicle electrical system. Relay based systems, due to those limited short duty cycles, will not be acceptable for the requirements of this specification.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

UNIT FUNCTION:

The electrical control system shall be fully programmable and shall control a number of functions. The minimum functions to be controlled are as follows:

- No Load Starting Circuit (as defined in subsequent sections of this specification)
- Load Management
- Sequenced Start Circuit Activation
- Electrical System Diagnostics
- Climate Control Heat/AC operation
- Intensity Controls for Patient Dome Lights
- Oxygen Warning System (high and low pressure)
- All Warning Light Flashers and Flash Patterns
- Patient Status System
- Electrical Diagnostics

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

UNIT FUNCTION OPTIONS:

The electrical control system shall be capable of adding the following options:

- Up to four cameras
- Emergency GPS
- Pulse width Modulation
- USB port for field upgradability
- Seat belt monitor display
- Remote system activation from a mobile device
- Record ambulance PM schedule

The electrical control system shall include the ability to manage user defined maintenance issues. It shall also allow for the notification of critical care issues such as oil changes and tire rotations.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CIRCUIT PROTECTION:

Each converter added electrical circuit must have circuit protection for both over current limit and over temperature condition. The circuit protection shall be provided by solid-state circuit breaker/switching devices (MOSFETS) for both the input and output wire feeds for each circuit. The circuit protection shall require no user intervention such as that required for circuit breakers or fuses. The system shall be able to indicate an output fault warning.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FIELD PROVEN AND TIME TESTED ELECTRICAL SYSTEM:

The converter-added electrical system represents the most important system in the design of this ambulance. Reliability and proven performance is essential. Therefore, the bidder must be able to demonstrate that they have at least ten years experience with solid state logic-controlled electrical systems installed in emergency vehicles. Further, the bidder must be capable of all programming required by the system without turning to outside vendors. This includes custom-programmed items as may be delineated in this specification.

The bidder may be required to demonstrate an in production or in service vehicle in order to guarantee compliance with this requirement. Prototype or first of a kind electrical systems are not acceptable. The purchaser may require the bidder to furnish specific references to further document compliance.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

WIRING:

The following minimum wiring standards are required:

Identification

By color, by itemized number, and by actual circuit name, stamped every 4-6"

Size:

Size will vary and will be dependent upon each wire being able to carry a minimum of 125% of the actual circuit load.

Protection of Wiring:

All wiring must be run in breakaway wire loom for protection against abrasion or chafing.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRICAL SYSTEM DIAGNOSTIC CHECK:

The electrical system must have built-in capability to self check each converter-added circuit and identify a short or open circuit by means of a single diagnostic switch. . The diagnostic system shall be operable from the driver's seat without exiting the vehicle. Diagnostic systems that are incorporated into exterior compartments, patient area interior cabinets, or remote locations will not be acceptable. The relevant information shall be displayed on the digital display on the cab switch panel. When the operator activates the Run Diagnostic switch, the unit will initiate the systems check. The digital display shall flash the message Running Diagnostics while the check is in progress. The system must go through all outputs for the vehicle to check for malfunctions. If a malfunction is found, the display shall stop flashing and steady burn to indicate the message Module #, Output #, Fail. This message will direct the service staff to the correct output module and the correct wire number in order to troubleshoot and repair the system. Once a failure is identified, the operator may continue to run the remainder of the diagnostic by pressing the Warning Reset switch. The bidder shall furnish with the vehicle a detailed diagram indicating each input and output module number and identifying each circuit controlled by the module.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRICAL SYSTEM SUPPORT DATA:

Being able to service the electrical system should the need arise is of the utmost importance. To reduce the down time associated with servicing, the following information shall be provided at the time of delivery:

- 1. Electrical system operating instructions
- 2. Patient area heating/AC schematic and parts list
- 3. Oxygen and vacuum system schematic, parts list and leak check instructions
- 4. Battery and alternator schematic and system description
- 5. Radio communications installation instructions
- 6. Wire description list for converter added wiring
- 7. Individual schematics for all converter added electrical circuits

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MODULE DISCONNECT DEFAULT:

The 'Module Disconnect' circuit shall default to the "on" position when the battery switch is activated. Manual activation of the switch is not acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

THREE SWITCH CONTROL PANEL:

The manufacturer shall install a 3-switch electrical control as noted below. The panel is to match the style of switches used on the main control panels.

Description: REMOTE SWITCH PANEL SUMMARY

- Side door switch panel
 - SW1: Dome Timer
 - SW2: i4G Timer
 - SW3: Curbside scene light
- Squad bench restraint
 - SW1: Heat, Auto 70'
 - SW2: Dome lights
 - SW3: Oxygen
- Right Rear door switch panel
 - SW1: Dome Timer
 - SW2: i4G Timer
 - SW3: Dump Override
- Right Rear door switch panel
 - SW1: Curbside Scene lights
 - SW2: Rear load lights
 - SW3: Streetside Scene Lights

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

THREE SWITCH CONTROL PANEL:

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

AUTOMATIC BATTERY SWITCH:

An Inpower electronic battery switch shall be installed. The switch is to activate battery power through the vehicle ignition and is to include an automatic shutdown timer to deactivate battery power after the ignition is turned off. Shut down timer interval: 5 minutes
 Install an engraved instruction plate for the i4G battery switch

- "I4G POWER SWITCH"
- "1ST PRESS 5 MIN"
- "2ND PRESS 10 MIN"
- "3RD PRESS 15 MIN"
- "4TH PRESS OFF"

Shutdown timer interval: 5 minutes

Above section bid exactly as written: _____

Section not provided: _____

Bidder is offering an alternative to this section: _____

INVERTER INSTALLATION:

The vehicle converter shall furnish and install an inverter as noted below:

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INVERTER/CHARGER:

Install a Vanner #LSC12-1100 LifeSine Inverter/charger as noted. The inverter is to power all 110V outlets. The charger portion shall be wired to provide power to the vehicle batteries from the specified shoreline.

Locate: streetside rear compartment
Configure: include switch on both front and rear i4G panel.
Auto-On inverter

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PD BOX LOCATION

The onboard power distribution panel is to be located on the left wall of the streetside (driver's side) intermediate compartment. The panel is to be covered with an aluminum closeout to match the finish in that compartment. Access to the panel shall be provided by removing the closeout.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

110V INTERIOR OUTLETS:

Duplex 110V interior electrical outlets shall be installed. Quantity and location information is noted below. Each outlet shall be GFI protected and shall illuminate when powered.

Quantity: 9
Locate: (1)Inhalation area
(2)Front wall cabinet, above top shelf
(2)Front wall cabinet, above fixed shelf
(1)Wall over rear counter area
(1)Cab console, drivers side
(1)In cab, back wall behind passenger seat
(1)Over walkthru for Activtek

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

12V OUTLETS:

Dual USB charging outlets are to be installed where designated. Quantity, and location are provided below. All 12 volt fed outlets shall be protected by a Schottky medical isolator. In addition, the 12 volt outlets shall be wired through a 20 amp manual reset circuit breaker. All outlets shall be labeled.

Adapter Type: USB Style
Quantity: 1
Locate: cab console
Configure: battery hot

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

12V OUTLETS:

12 volt electrical outlets shall be installed within the vehicle. Quantity, location, and adapter type are provided below. All 12 volt outlets shall be protected by a Schottky medical isolator. In addition, the 12 volt outlets shall be wired through a 20 amp manual reset circuit breaker. All outlets, unless noted otherwise below, shall be battery switched. All 12 volt outlets shall be labeled.

Locate: (1)Inhalation wall
(2)Front wall cabinet, above top shelf
(2)Front wall cabinet, above fixed shelf
(1)Wall over rear counter area
(1)Cab console, passenger side
Configure: Battery hot
Note: outlets to be combination 12vdc power tap, and with dual USB ports. USB ports to include (1)each type "C" and type "A"

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SHORELINE:

The vehicle shall be equipped with a Blue Sea Sure Eject shoreline. The male shoreline inlet shall be installed as noted below. This inlet shall be a straight three-prong type and shall include the female adapter plug. The shoreline shall be designed so that the plug will automatically eject from the inlet in the event that the vehicle is started while still plugged in. The shoreline shall include a sliding cover to protect it from the elements. The shoreline to include an indicator light to glow red if the shoreline inserted has no power, and glow green if the shoreline has power. The shoreline system shall be designed to handle a 20 amp load, and shall also include a 20 amp inline GFI breaker.

Locate: Street Side of Module Body as Far Forward as Possible

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REVERSE ACTIVATED REAR SIDE SCENE LIGHTS:

The rear scene lights on either side of the vehicle shall be programmed to be activated when the vehicle is placed into reverse gear. This is in addition to the other modes of operation as described elsewhere within this document. This feature shall be attained through the programming of the onboard electrical system. Systems that require additional wiring in order to provide this feature are not acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SIDE DOOR ACTIVATED CURB SIDE SCENES:

The curb side scene lighting shall be programmed to be activated when the patient compartment side access door is opened. This is in addition to the other modes of operation as described elsewhere within this document. This feature shall be attained through the programming of the onboard electrical system. Systems that require additional wiring in order to provide this feature are not acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REVERSE ACTIVATED LOADING LIGHTS:

The load lighting on the rear of the vehicle shall be programmed to be activated when the vehicle is placed into reverse gear. This is in addition to the other modes of operation as described elsewhere within this document. This feature shall be attained through the programming of the onboard electrical system. Systems that require additional wiring in order to provide this feature are not acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AUDIBLE LOW VOLTAGE ALARM::

An audible alarm shall be programmed to warn the operator should the vehicle's voltage drop below 11.8 volts for 120 seconds.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

BENCH ACTIVATED LOAD AND SCENE LIGHTING:

The scene lights on either side of the vehicle, along with the rear load lights, shall have control switches installed in the patient area at the foot of the bench in the riser. These control switches are in addition to the switches in the cab control console. There shall be a total of three (3) switches at this location to control the left side, right side, and rear lighting. These shall be momentary switches of the same style used in the front and rear control consoles. These switches shall operate in the following manner:

Locate: Curbside rear inner door panel
Lights: Left Scene light, right scene light, load lights

CANCEL SWITCH ELABORATE:

The cancel switches when located on remote panels are to duplicate the function of the respective load light, and scene light switch functions as found on the main i4G panel.

A. When the respective scene or load light is enabled "on" with the door opening, then the light should go "off" with the door closing.

B. If the remote switch or main i4G panel switch is toggled "on" then the light should remain on in the door open and close position, unless toggled "off"

C. The rear load lights, and side scene light if toggled "on" from a remote switch are to go "off" when the vehicle is placed in transmission drive, unless enabled "on" from the i4G panel.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REPORT LIGHT:

Report lighting, as described below, shall be installed within the patient area. The fixture shall be LED. The fixture shall be controlled via a switch on the attendant control panel. This design will allow for simple "one touch" operation while still providing for flexibility in terms of lighting needs.

Quantity: (1)

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DIGITAL CLOCK:

A large face digital 12/24 hr clock shall be provided and installed as noted below. This clock is to be 12V and is to include a lithium battery back-up. This clock is to be self-adjusting and is to include a highly visible red readout. This model includes seconds display.

Locate: over rear doors

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

STEP WELL LIGHT:

A 10.5" LED Vista light strip will be installed on the bench side of the step well. Light to activate with door open through a magnetic door switch.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CAB CEILING LIGHTS, COMBINATION WHITE/RED LED:

One pair of LED cab ceiling lights shall be installed in the cab headliner. These lights are to feature both clear and red LEDs and can be operated via a switch mounted to the light. Light functions are to be 'OFF', 'CLEAR', and 'RED'.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

DOME LIGHTS:

Whelen LED dome lights shall be installed in the patient area ceiling. Quantity and location information is listed below. The lights shall be recessed into the headliner and shall not protrude from the ceiling more than 1". All dome lighting shall be adjustable and shall be controlled via solid state switching at the patient area electrical control console.

Over Cot: 4
Over Squad Bench: 4

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PATIENT AREA LIGHTS:

The manufacturer shall install ROM Durolumen LED lighting in the patient area ceiling as noted below.

Quantity: 3
Locate: in ceiling, evenly spaced

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PROGRAMMABLE LIGHT TIMER:

A momentary switch shall be installed as noted below to operate the specified lighting with the battery switch in the 'Off' position and the shoreline plugged in. The switch shall activate a programmable timer that will automatically shut the lights off after the specified period of time. This timer shall be field-programmable to allow the time to be adjusted after the vehicle has been delivered. The initial time setting shall be as follows:

LIGHT TIMER i4G

Light(s) Controlled: Patient Dome Lights, and i4G boot

Locate: Side door switch panel
SW1 Dome Timer
SW2 Curbside Scene
SW3 i4G Timer

Existing Switch Rear door switch panel
SW1 Dome Timer
SW2 Kneel Cancel
SW3 i4G Timer

Configure: *Dome Timer switch operation
standard dome timer configuration

Configure: *14G Timer switch operation:
Enable In-Power battery switch timer on
Mod-Disconnect Switch on
Patient dome lights on.
The Timer Switch in both remote panels will not activate a separate dome light timer, but will clone the function of the In-Power console battery switch button.
*(4) presses 5/10/15/OFF
*i4G System to be fully operational until time out, or chassis ignition.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INTERIOR CABINET LIGHTING, MAIN WALL:

All main wall interior cabinets shall be equipped with LED cabinet lights. Lights shall include a snap-in 45 degree clip for light dispersion and ease of replacement. LED's shall be spaced a minimum of 1" apart. The lights shall be controlled through a switch in the rear control panel. Enable compartment lights in the curbside forward compartment, and curbside rear compartment on, in addition to standard

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INTERIOR CABINET LIGHTING, BENCH CABINET:

The squad bench cabinet shall be equipped with LED cabinet lights. Lights shall include a snap-in 45 degree clip for light dispersion and ease of replacement. LED's shall be spaced a minimum of 1" apart. The lights shall be controlled through a switch located in the rear control panel.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

PERIMETER LIGHT:

Install (1) Whelen PELCC Super-LED White Perimeter Enhancement light, with chrome flange where indicated. The light to steady burn when door is open and battery switch is on.

Locate: bottom corner of side patient access door
 bottom corner of each rear patient access door

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

INTERIOR CABINET LIGHTING, FRONT WALL:

Install led strip lighting in front wall cabinet. Lights to be mounted in a 45 degree clip. Switch to be provided in the rear control panel. Lights to come on with opening of interior or exterior door.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AUXILIARY PATIENT AREA LIGHT CONTROL:

The lighting defined below shall be controlled as follows. This control is in addition to the method of control dictated in the preceding section. Switches on the front control panel are programmed to control the patient area lights and circuits.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AUXILIARY LIGHT CONTROL REQUIREMENTS:

Due to the complicated requirements of the auxiliary lighting control, as described above, a circuit using additional switches and relays to achieve the same functionality is not acceptable. Added relays, switches, wires, and connections deviates from the single wire, solid state, microprocessor-based system as outlined in this specification. The above feature, like others that have been specified, may reduce the reliability of a relay-based system. This electrical feature, like all others on this vehicle, must be attained through solid state microprocessor-based technology.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AUXILIARY BRAKE LIGHTING:

The rear red flashing lights, as specified elsewhere within this document, shall be wired so that they illuminate when the brake pedal is depressed. This lighting is in addition to the specified brake/tail lights.

Configure: Emergency lighting is to override this feature

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SECURITY IDLE SYSTEM:

A solid state security idling system shall be provided on the vehicle. With the system in the on position, the driver may remove the vehicle keys with the engine running. If the vehicle is placed in gear without returning the keys to the ignition, the system will sound the vehicle horn, flash the marker lights and automatically shut down the engine to prevent vehicle theft. The desired system must be integrated into the vehicles programmed electrical system. Aftermarket add-on units are not acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LINEN CLOSET LIGHT, ELECTRICAL & PROGRAMMING:

Install LED strip lighting in the streetside linen cabinet. Lights to be mounted in a 45 degree clip. Operate through magnetic a door switch.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

REMOTE PANELS, ELECTRICAL & PROGRAMMING:

The following (3) switch remote panels shall be located, and provide function as noted below

Side door switch panel
SW1: Dome Timer
SW2: Inpower Timer
SW3: Curbside scene light

Squad bench restraint
SW1: Heat, Auto 70'
SW2: Dome lights
SW3: Oxygen

Right Rear door switch panel
SW1: Dome Timer
SW2: Inpower Timer
SW3: Dump Override

Right Rear door switch panel
SW1: Curbside Scene lights
SW2: Rear load lights
SW3: Streetside Scene Lights

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

HAND LIGHTS, ELECTRICAL & PROGRAMMING:

Supply and install (1) portable, extendable Scene light, with the following features:. Rechargeable, 5300 Lumen, 100V Ac Plug, 12V Dc Power Cord, color Yellow.

Locate: curbside forward compartment

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

HEATING AND AIR CONDITIONING:

A temperature control system is desired that provides quick and simple operation while maintaining a uniform temperature throughout the patient compartment. The unit itself must be located so that it is easy to access for service. This location must also be near the O.E.M. heat/AC connection points when provided so as to increase the overall efficiency of the unit. The following minimum design standards must be adhered to in order to best meet the needs of this purchaser.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRICAL POWER PROGRAMMING:

Special instructions for electrical operation and programming:

SYSTEM CONTROLS:

The climate control functions shall be controlled through a primary location in the inhalation panel, and through a secondary location in the cab electrical control console. The switches used for the operation of this system shall be identical to the switches described in the "Electrical" section of this specification. Switches shall be present in the front console to select either 'Heat', 'A/C', or 'Off' functions and to select the desired temperature. Switches shall be present in the rear control panel to select either 'Heat', 'A/C', or 'Off' functions, 'Automatic' or 'Manual' mode of operation, and to select the desired temperature.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

THERMOSTAT:

The temperature level shall be adjustable from both the front and rear electrical control panels for the 12V system. Two switches at each location shall be used to scroll through desired temperature settings on one degree intervals. Once the desired temperature is set, then the system shall retain that setting regardless of the position of the battery switch. The temperature sensor for the system shall be located at the inhalation panel so as to attain a true patient compartment temperature. The temperature setting and the actual temperature reading shall be viewable from both the front or rear digital displays.

This system is to be controlled through the converter-added electrical system. Under no circumstances shall household type thermostats be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SYSTEM OPERATION:

The system shall allow for both automatic and manual operation. When set to the manual mode the fan speed shall be infinitely adjustable from the rear control panel for extra ventilation. When set to the automatic mode the fan speed shall be controlled by the thermostat setting. The temperature that is selected shall be continuously maintained. When the selected temperature has been reached, then the system shall automatically cycle the fan speed down to reduce unnecessary electrical load.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

HEATER WATER CONTROL:

The flow of hot water from the chassis to the converter-added heat/AC system shall be controlled by an electrically operated valve located under the hood. Water flow to the rear heater shall be activated when either the front or rear heater switch is turned to the 'On' position. It is a requirement of this specification that this type of valve be used unless the converter is supplying a self-contained heat-AC system. The term "self-contained" is defined as being a unit that does not require any water flow from the chassis. Under no circumstances will manual valves be considered. Manual valves are inconvenient and tend to leak.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

UNIT LOCATION AND SERVICE:

It is required that the heat/AC unit be installed inside the bottom portion of the linen cabinet behind the attendant's seating position. The face of this area, at floor level, shall be perforated to provide air flow to the heat/AC unit mounted inside. This is required for efficiency, serviceability, and safety.

Many O.E.M. chassis builders provide tap-in points for the converter-added heat/AC unit behind the driver's seat. Therefore, system efficiency is higher when the hot water from the chassis is pumped to the area described above. Efficiency is not lost by pumping the water over an extended distance or up to ceiling level. Such a condition would naturally result in reduced patient area temperature levels as excessive flow resistance would be present.

In the unlikely event of a system leak the specified installation location will allow the leakage to run out onto the ground. Systems that are installed above cabinetry may leak into the cabinets, thus ruining the cabinets (if they are wood) and the cabinet contents.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FILTRATION SYSTEM:

A replaceable carbon filter shall be installed at the air intake area of the heat/AC system. Replacement of the filter shall be simple, and shall require very little time so as to assure that the vehicle will not have to be taken out of service. Replacement filters shall be readily available and shall be capable of being cut to the proper size to fit the vehicle.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

AIR FLOW:

The installation of the heat/AC system shall include an air duct system to direct the airflow in such a way as to provide uniform temperature levels throughout the patient compartment. Air intake shall be from the floor level. The air shall be channeled through a duct that is aft of the heat/AC unit. The air shall exit through adjustable vents at the ceiling level above the attendant's seat. This design will allow for a circular flow of air throughout the patient compartment.

The specified design will separate the intake and exhaust ports. Separation of the intake and exhaust will decrease air turbulence and improve overall efficiency of the system. Systems that combine intakes and exhausts within the same grille work will not be acceptable.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

12V HEAT/AC SYSTEM:

The 12V heat/AC system shall be installed per the instructions listed above. The BTU and CFM ratings on this unit shall be as follows:

Heat: 65,000BTU
A/C: 32,000BTU
CFM: 650

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RECEIVER/DRYER KIT, ALL FORD F-SERIES CHASSIS

Receiver/dryer kit #63 000 744 w/pressure switch shall be installed in the air conditioning system.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

12V HEAT/AC SYSTEM:

The 12V heat/AC system shall be installed per the instructions listed above. The system provided shall include an evaporator, OEM compressor, and a top-mount condenser designed for use with the selected engine.

The condenser shall be recessed into the roof in a position to not interfere with the front wall lighting or the height of the vehicle. Underbody condenser design is not acceptable.

The external condenser shall be capable of producing a minimum of 100,000 btu's of cooling capacity.

The condenser shall have a minimum of four flat mounted smart fans with a minimum flat surface area of 825 square inches. The smart condenser system shall activate fans one at a time based on system demand. The system shall reduce and optimize condenser AMP draw while reducing wear and tear on alternators and batteries. The 100,000 Btu's of added capacity will also reduce high head load on compressors while ensuring best performance in high temp and high humidity climates. This will ultimately increase the life of the unit.

The Condenser design shall offer protection in harsh climates from salt and other chemicals used to melt snow and ice. The unit shall have consistent performance due to reduced impact from mud, dirt, rocks, tar and other road debris. The unit shall have easy access for maintenance and service. The condenser mount shall be easily accessible and allow for easy cleaning.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

Decontamination:

Install an AP500 system for continuous non-toxic Micro-biocidal & Sporocidal activity for surface and equipment decontamination as well as airborne partical decontamination.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

VENTING SYSTEM:

An NFPA compliant venting system, to include (2) 400cfm exhaust fans, is to be installed. Install 9.5" square cast covers on both vents per drawings. The covers to be painted body color. Activation of the venting system is to be through the rear control panel. When "VENTILATION" is selected, then one exhaust fan will operate to vent the patient area. When "NEGATIVE PRESSURE" is selected, then both fans will activate to create a negative pressure environment inside the patient care area. This feature shall be programmed to operate for 10 minutes. System can be reactivated once it times out.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CAB CONSOLE AND COMMUNICATIONS:

The vehicle communications and console features are designated below:

ANTENNA COAX #1:

An RG 58U coax shall be installed. A removable access plate in the patient area ceiling shall be provided for access to the exterior termination point located on the module body roof. Under no circumstances shall the vehicle design necessitate disassembly of the interior finish work to access the coax termination point. The coax shall terminate at the following locations:

Exterior termination: Coiled under driver side of cab headliner
Interior termination: Linen closet

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ANTENNA COAX #2:

A second RG 58U coax shall be installed. A removable access plate in the patient area ceiling shall be provided for access to the exterior termination point located on the module body roof. Under no circumstances shall the vehicle design necessitate disassembly of the interior finish work to access the coax termination point. The coax shall terminate at the following locations:

Exterior termination: Coiled under passenger side of cab headliner
Interior termination: console

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ANTENNA COAX #4:

A fourth RG 58U coax shall be installed. A removable access plate in the patient area ceiling shall be provided for access to the exterior termination point located on the module body roof. Under no circumstances shall the vehicle design necessitate disassembly of the interior finish work to access the coax termination point. The coax shall terminate at the following locations:

Exterior termination: Center of mod roof
Interior termination: Linen closet

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ANTENNA COAX #5:

A fifth RG 58U coax shall be installed. A removable access plate in the patient area ceiling shall be provided for access to the exterior termination point located on the module body roof. Under no circumstances shall the vehicle design necessitate disassembly of the interior finish work to access the coax termination point. The coax shall terminate at the following locations:

Exterior Termination: rear of module body
Interior Termination: console

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

K-94 ANTENNA BASE:

Bidder shall provide and install a K-94 antenna mount. The mount shall be located per the information listed below and shall utilize coax cable(s) as specified in antenna coax options RJ01A through RJ01F. The mount(s) are to be as follows:

Quantity: 5
Antenna Coax: all

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RADIO PULL WIRE:

A pull wire shall be installed to aid radio cable installation and prevent removal of interior panels once the vehicle has been completed.

Location: cab
Terminate: action area

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RADIO HEAD PANEL:

A blank radio head panel shall be installed per the information provided below. This panel shall serve as the location for the future installation of a flush mounted radio head. The panel shall be removable and shall expose another opening that will allow for the radio head and the mounting brackets.

Quantity: 1
Locate: Action area

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

FRONT CONSOLE:

The cab console shall be constructed from aluminum and covered with polyurethane elastomeric coating. The console shall provide installation space for radio heads in addition to the standard electrical control panel and siren. The rear section of the console will have three front to rear storage sections for maps, books etc.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CUP HOLDERS:

Two (2) large cupholders shall be installed in the front console with easy access from both the driver's and the passenger's seats.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

RADIO POWER/GROUND:

The vehicle manufacturer shall install three 6 gauge cables for radio power. One cable to be wired battery hot, one cable to be wired ignition hot and one cable to be wired as ground. Termination is to be to insulated studs.

Locate: console
Configure: battery hot, battery switched
Locate: (1) behind inhalation panel
Configure: battery hot, battery switched,
mod disconnect switched
Locate: middle of linen closet
Configure: battery hot, battery switched

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

OXYGEN AND SUCTION SYSTEMS:

Reliability, safety, and ease of operation are essential characteristics of the onboard oxygen and suction systems. System design must meet the following minimum guidelines. Bidders are asked to respond to each section appropriately per the bid requirements and to explain any variations to these requirements.

SWITCHING FOR OXYGEN AND SUCTION:

The rear switch panel shall contain two switches labeled "OXYGEN" and "VACUUM". Each of these switches shall electrically activate those respective systems. That activation shall be instantaneous. Systems that are not instantaneously responsive to their activation will not be considered.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SYSTEM DESIGN:

A single piece manifold assembly shall serve as the basis for the oxygen delivery system. The manifold assembly shall incorporate ports for installation of O2 lines to all specified outlets, an electrically activated oxygen delivery solenoid, and a manual bypass valve. The assembly shall be installed behind the inhalation panel and shall be easily accessible.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ELECTRICAL OXYGEN ACTIVATION:

The switch, located on the rear control panel and labeled "OXYGEN", shall activate the solenoid. This design will allow for the instantaneous flow of oxygen while eliminating the need to manually turn a valve to initiate oxygen flow.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

MANUAL BYPASS:

The oxygen solenoid shall be equipped with a manual bypass valve. Located behind the inhalation panel, the valve shall be easily accessible so that, in the unlikely event of an electrical failure, administration of oxygen may continue.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SYSTEM REGULATION:

The patient area shall be free of high pressure oxygen lines. To accomplish this the vehicle converter shall install a KKK approved regulator at the oxygen cylinder. The regulator shall include an integral dial type gauge to monitor the cylinder contents. A single low pressure line shall be installed from the regulator to the O2 manifold assembly. This method shall insure that all high pressure is maintained in an exterior compartment away from the interior patient area.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

OXYGEN LINES:

The O2 line connecting the regulator to the manifold assembly shall be rated at 200 psi working pressure and 1,250 psi burst pressure. The line shall be UL approved. There shall be NO connections installed in the line between the regulator and manifold assembly as these create a possibility for leakage. All connections shall be DISS style and shall be specific to the gas being supplied.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LINE PROTECTION:

The O2 line shall be protected from crimping through the installation of a flexible spring guard on the portion of the line in the cylinder storage compartment.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SYSTEM MONITORING:

The condition of the oxygen system shall be continually monitored and reported to the vehicle operators through the vehicle's onboard electrical system. Readouts containing the information listed below shall be available primarily at the patient area control console. The secondary location for availability of this information shall be the cab console. The information available shall include the following:

- Cylinder Pressure
- Line Pressure

In addition, this system shall be designed to offer a warning, both audible and visual, if the condition of the oxygen system falls outside of the following pre-programmed parameters:

- Low Cylinder Pressure (500 psi or below)
- Low Line Pressure (40 psi or below)
- High Line Pressure (75 psi or above)

These oxygen system warnings shall immediately notify the personnel of a problem, again, via a readout and audible alarm. The system shall require the personnel to acknowledge receipt of the information.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

PRELIMINARY SYSTEM TESTING:

The oxygen system shall be tested prior to installation in the vehicle. This test shall be performed by the vehicle manufacturer and shall subject the system to three times (3X) the working pressure. This test shall be conducted for a minimum of four (4) hours.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

FINAL SYSTEM TESTING:

The completed system shall be tested again once it is installed in the vehicle. This test shall be performed at working pressure for a minimum of four (4) hours. After the system has passed the inspection process it shall be capped and tagged per Federal KKK specifications.

Above section bid exactly as written: _____
 Section not provided: _____
 Bidder is offering an alternative to this section: _____

ADDITIONAL OXYGEN AND VACUUM SUPPLIES:

The oxygen and suction systems shall be complete upon delivery with the exception of the O2 cylinder. The cylinder shall be supplied and installed by the purchaser after delivery of the vehicle has taken place.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

OXYGEN BOTTLE MOUNT, VERTICAL TRACK FOR QRM-V:

Vertical track for mounting of a QRM-V O2 bottle mount shall be welded on the back wall of the compartment in the right hand corner. The O2 bottle mount is adjustable for "M" or "H" size tanks.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ZICO QRM-V CYLINDER BRACKET:

A Zico QRM-V oxygen cylinder bracket shall be installed in the main O2 compartment.

Locate: Standard location
Tank size: "H"

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ACCESS TO CYLINDER VALVE FROM PATIENT AREA:

A clear Plexiglas door shall be provided in the patient area wall for access to the oxygen cylinder valve. The door shall be hinged so that it swings into the oxygen cylinder storage compartment. The opening shall be trimmed with anodized aluminum edging.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

OXYGEN OUTLETS:

Two oxygen outlets shall be installed in the rear inhalation panel unless otherwise noted below.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

ADDITIONAL OXYGEN OUTLETS:

Additional oxygen outlets shall be installed as noted below.

Quantity: 1
Locate: Wall at head of bench

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

OHIO MEDICAL OXYGEN AND SUCTION OUTLETS:

The oxygen and suction outlets installed in the vehicle shall be Ohio Medical Quick Connect style outlets.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

CYLINDER WRENCH:

A combination cylinder cap and oxygen gland nut wrench shall be installed inside the oxygen compartment. The wrench shall be installed in such a way as it will not move or rattle. The wrench shall be chained to the compartment so that it cannot be removed, however, the chain must not interfere with the operation of the wrench.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SPARE 'D' BOTTLE STORAGE:

A Zico QR-D-2 single Quic-release strapless 'D' bottle bracket shall be provided and installed in the location listed below.

Quantity: 2
Locate: front wall

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

SSCOR ASPIRATOR:

The manufacturer shall furnish and install an SSCOR suction system. The system shall include a #22000 wall-mounted regulator, and a #23002 canister holder. The aspirator shall be accessible for use from the inhalation area per the attached prints and plumbed to the pump described below.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

VACUUM PUMP:

The aspirator system shall be operated through a CAPL #D34 SE (T282) 12V vacuum pump that is located inside an exterior compartment. The pump shall be activated by a switch on the inhalation area electrical control panel.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LETTERING:

Lettering information is noted in detail below:

LETTERING DESIGN:

This specification calls for lettering to be supplied and installed by the successful bidder. The lettering layout is summarized within this section and broken down by location in the sections below. Information relative to lettering material, size, color, font, or any other special requirements is also listed in the following sections. The lettering layout is to be as follows:

COLOR: RED SCOTCHLITE #680-72 BLACK OUTLINE AND
DROP RIGHT SHADE
WHITE SCOTCHLITE #680-10 NO OUTLINE OR SHADE
STYLE: MATCH EXISTING FLEET GRAPHICS

New vehicle number: A?? To Be Determined

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LETTERING REQUIRED ON CURBSIDE OF BODY:

The lettering described below shall be furnished and installed per these instructions prior to delivery of the completed vehicle to the purchaser.

CONFIGURE:
"MONMOUTH JUNCTION" (4") ARCHED - RED SCOTCHLITE - UPPER BODY SIDE
"FIRST AID SQUAD" (4") ABOVE THE BELT STRIPE - RED SCOTCHLITE
"AMBULANCE" (6") BELOW THE BELT STRIPE - FEDERAL LETTERING
"A53" (6") LOWER PORTION OF REAR COMPARTMENT DOORS
IN SKIRT STRIPE, WHITE SCOTCHLITE

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LETTERING REQUIRED ON FRONT OF VEHICLE:

The lettering described below shall be furnished and installed per these instructions prior to delivery of the completed vehicle to the purchaser.

CONFIGURE: "AMBULANCE" (4") - REVERSE IMAGE. FEDERAL LETTERING
"A53" (4") - UPPER CENTER CHASSIS WINDSHIELD

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LETTERING REQUIRED ON REAR OF VEHICLE:

The lettering described below shall be furnished and installed per these instructions prior to delivery of the completed vehicle to the purchaser.

CONFIGURE:
"MONMOUTH JUNCTION" ARCHED ABOVE REAR WINDOWS. SIZE-TO-FIT
"FIRST AID SQUAD" BELOW REAR DOOR HANDLES
"AMBULANCE" BOTTOM OF REAR ENTRY DOORS. FEDERAL LETTERING
"A53" "A53" ONE PER UPPER REAR BODY SIDE APPLIED OVER CHEVRONS

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LETTERING REQUIRED ON STREET SIDE OF BODY:

The lettering described below shall be furnished and installed per these instructions prior to delivery of the completed vehicle to the purchaser.

CONFIGURE:
"MONMOUTH JUNCTION" (4") ARCHED - RED SCOTCHLITE- UPPER BODY SIDE
"FIRST AID SQUAD" (4") ABOVE THE BELT STRIPE - RED SCOTCHLITE
"AMBULANCE" (6") LOWER PORTION OF THE REAR COMPARTMENT DOOR
ABOVE THE SKIRT STRIPE - FEDERAL PACKAGE
"A53" (6") LOWER PORTION OF REAR COMPARTMENT DOORS IN
SKIRT STRIPE, WHITE SCOTCHLITE

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

LETTERING REQUIRED ON MODULE BODY ROOF:

The lettering described below shall be furnished and installed per these instructions prior to delivery of the completed vehicle to the purchaser.

Configure: Vehicle ID, blue 12" vinyl
"A53"

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

4" STAR OF LIFE EMBLEM:

The bidder shall supply and install the 'Star of Life' emblem(s) requested by the purchaser. The total quantity required is noted below. The emblems shall be made from 4" white Scotchlite that is silk screened in blue. A Mylar laminate shall then be applied to the emblem's surface in order to protect against scuffing, and to provide added longevity. Emblems that do not have this protective covering are not acceptable.

Quantity: 2
Location: hood

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

12" STAR OF LIFE EMBLEM:

The bidder shall supply and install the 'Star of Life' emblem(s) requested by the purchaser. The total quantity required is noted below. The emblems shall be made from 12" white Scotchlite that is silk screened in blue. A Mylar laminate shall then be applied to the emblem's surface in order to protect against scuffing, and to provide added longevity. Emblems that do not have this protective covering are not acceptable.

Quantity: 2
Locate: Rear entry door windows.
Configure: etched style

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

18" STAR OF LIFE EMBLEM:

The bidder shall supply and install the 'Star of Life' emblem(s) requested by the purchaser. The total quantity required is noted below. The emblems shall be made from 18" white Scotchlite that is silk screened in blue. A Mylar laminate shall then be applied to the emblem's surface in order to protect against scuffing, and to provide added longevity. Emblems that do not have this protective covering are not acceptable.

Quantity: 2
Locate: (1) per body side

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

36" STAR OF LIFE EMBLEM:

The bidder shall supply and install the 'Star of Life' emblem(s) requested by the purchaser. The total quantity required is noted below. The emblems shall be made from 36" white Scotchlite that is silk screened in blue. A Mylar laminate shall then be applied to the emblem's surface in order to protect against scuffing, and to provide added longevity. Emblems that do not have this protective covering are not acceptable.

Quantity: 1
Locate: Module roof

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

VEHICLE HEIGHT, LETTERING:

Description: Supply and install an engraved plate on console to read: 'MAX HEIGHT ____' ____".

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

AA000000 1 1 SPECIFICATION FOR A NEW EMERGENCY MEDICAL VEHICLE

4/21/2018

AB **Horton Emergency Vehicles Feature List**

4/21/2018

ABSPD001 0 1 COVER To COMMITTEE, FEATURE LIST 11970 REV1

6/2/2023 *Devon: Please find a proposal based on Kendall Parks most recent request for a 2024 Ford F-450 4x4 gasoline chassis with a Horton Model 457 module.*

This spec is different from the 2019 Monmouth Junction delivery PN 18851.

**I changed the descriptions in this proposal to include proper paint stripe, lettering and interior colors to match Monmouth Junction.*

**New Power Loader is included.*

**New Stretcher is included. (I need your cot spec requirements)*

**Added reverse backing sonar sensing/warning.*

**I attached A56 drawings and drawings of not yet delivered KP A-64 so you can compare. (New KP A-64 has arrived from Horton to South Plainfield last week for setup and pre-delivery)*

AC **CHASSIS**

4/21/2018

AFF 1 1 FORD F-SERIES CHASSIS

[Type here]

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

AFF24G23 0 1 CHASSIS, 2023 FORD 4X4, 169" F-450 CAB/CHASSIS, GAS

The chassis required to complete the ambulance conversion shall be supplied by Horton.

6/1/2023 Note:

*Chassis model year to be at least 2024.
We do not have a 2024 price as Ford has not released pricing. I am adding 5% to the 2023 price of \$53,340.00, and adding 5% to the 2024 estimated chassis cost for estimated 2025 chassis cost.
South Brunswick Township should understand that ambulance builders do not receive actual chassis cost until the chassis is mounted, registered with Ford, and an invoice sent to the dealer. This concept applies to the FIN discount as well. Same applies if the chassis provided by Ford is a 2025 model year. We don't know the price until the ambulance manufacturer builds the ambulance, registers with Ford the end user, and invoices the dealer.*

AFF650P0 1 1 PASS THROUGH, CAB TO MODULE FORD F-SERIES CHASSIS:

Install a pass-through opening between the cab and module. Pass-through to include a bellows connection.

AFF650PW 1 1 PASS THROUGH, CAB TO MODULE WINDOW:

Provide a sliding pass-through window between the patient area and the chassis cab on the cab side.

AFF66100 1 1 FORD F-SERIES CHASSIS SYNC4

Type 1 Ford chassis is to include the Ford Sync 4 radio, with 8" LCD touchscreen screen, wireless phone connection, Apple CarPlay and Android Auto compatible

10/7/2022

AFF66200 0 1 FORD F-SERIES OPTION CODE PACKAGE 17V

Type 1 Ford chassis is to include the Ford Option 17V package that includes the following. Power Adjustable Pedals, Autolock/AutoUnlock, Electrochromic Rear View Mirror, Power Driver Seat(eight way), Heated Driver seat on Crew or Extended Cab Only, Keyless Entry Keypad, Rear Window Defrost, Remote Start, Halogen Fog lights.

6/1/2023 Note:

same 5% applied here as described under the chassis.

[Type here]

TOWNSHIP OF SOUTH BRUNSWICK
 PO BOX 190
 MONMOUTH JUNCTION, NJ 08852
 DEVON WEISS

Selected Feature List 11970

Year: 2023
Chassis: Ford Type I, 169" WB, 84"
Model: 457

Option Std Oty Header/Description/Data Proposal Total

C **CONVERSIONS**

2/8/2014

CA200000 1 1 **PREVIOUS VEHICLE REFERENCE**

This option is to be used for comparison purposes only. Specifications are specific to each order so use extreme caution when referencing a previous production order.

6/1/2023 PREVIOUS VEHICLE PRODUCTION #18851

CA510000 0 1 **CONVERSION MODEL: 457-1 FORD:**

MINIMUM BODY DIMENSIONS:
 (Exterior)
 -Height: 92"
 -Width: 96"
 -Length: 157"
 (Interior)
 -Height: 72"
 -Aisle 20"
 -Width: 20" (from edge of cot in wall position to squad bench riser)
 -Length: 153"
 OVERALL DIMENSIONS (Including Chassis, Module and Step):
 -Height: 113"
 -Width: 100"
 -Length: 296"

1/12/2019

CA510001 1 1 **457 STREET SIDE, FRONT:**

Clear Door Opening: 16.7" wide x 82.1" high
 Actual Dimension: 21.5" wide x 85.1" high x 20.3" deep
 This area shall be accessed through a single outside hinged door. This compartment shall house the primary O2 cylinder. The compartment shall be vented to the outside.

0 1 **SWEEP OUT COMPARTMENT FLOOR MODIFICATION**

cb03so00 Compartment floor is to be sweep-out style.

4/21/2018

0 1 **STAINLESS COMPARTMENT SILL PLATES:**

dh100000 Stainless steel compartment sill plates shall be installed as noted below. (Pricing is per compartment)

10/7/2022 Locate: All

TOWNSHIP OF SOUTH BRUNSWICK
PO BOX 190
MONMOUTH JUNCTION, NJ 08852
DEVON WEISS

Selected Feature List 11970

Year: 2023
Chassis: Ford Type I, 169" WB, 84"
Model: 457

Option Std Qty Header/Description/Data Proposal Total

dr150000	0	1	SPECIAL INSTRUCTION, COMPARTMENT: "L" STORAGE	
	10/6/2022		<i>Configure:</i>	<i>fabricate an aluminum "L" section, 16" deep with a 9" left hand return. Install to upper left hand wall. Locate horizontal return approximately 40" above the compartment floor.</i>
CA510003	1	1	457 STREET SIDE, INTERMEDIATE:	
			Clear Door Opening:	26.7" wide x 29.3" high
			Actual Dimension:	32.2" wide x 32.5" high x 20.3" deep
			This area shall be accessed through a single, outside hinged door.	
	2/4/2021			
dh100000	0	1	STAINLESS COMPARTMENT SILL PLATES:	
			Stainless steel compartment sill plates shall be installed as noted below. (Pricing is per compartment)	
	10/7/2022		<i>Locate:</i>	<i>All</i>
dr081000	0	1	SHELF FOR LED LIGHTED VERTICAL COMPARTMENT	
			A diamond plate adjustable shelf shall be installed in the following location.	
	3/13/2019		<i>Locate:</i>	<i>centered</i>
dr150000	0	1	SPECIAL INSTRUCTION, COMPARTMENT: UTILITY LOCATION	
	5/22/2018		<i>Description:</i>	<i>locate all electrical utility items from the streetside intermediate compartment to the streetside rear</i>
CA510004	1	1	457 STREET SIDE, REAR:	
			Clear Door Opening:	42.0" wide x 26.3" high
			Actual Dimension:	46.6" wide x 29.5" high x 20.3" deep
			This area shall be accessed through double outside hinged doors. The compartment shall be vented to the outside.	
	12/26/2022			
cb040000	0	1	COMPARTMENT HEIGHT MODIFY:	
			The height of the standard compartment for this model shall be modified, and include affected modifications to the interior cabinet.	
	4/21/2018		<i>Height Modification:</i>	<i>raise 33 inches</i>

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

<u>Option</u>	<u>Std Qty</u>	<u>Header/Description/Data</u>	<u>Proposal Total</u>
	0	1 STAINLESS COMPARTMENT SILL PLATES:	
dh100000		Stainless steel compartment sill plates shall be installed as noted below. (Pricing is per compartment)	
10/7/2022		Locate: All	
	0	3 SHELF FOR LED LIGHTED VERTICAL COMPARTMENT	
dr081000		A diamond plate adjustable shelf shall be installed in the following location.	
2/4/2021		Locate: evenly spaced, between right hand wall and divider	
	0	1 DIVIDER FIXED, VERTICAL COMPARTMENT	
dr11a000		Install a 16" deep fixed vertical divider shall be installed in the location listed below. (Divider material is to match the compartment material)	
10/7/2022		Locate: 10" from left hand wall	
	0	1 EXPANDED METAL CAGE FOR PROTECTION OF EQUIPMENT	
dr11ca00		Install an expanded metal cage around the onboard electrical equipment per location noted below. Include access ports to equipment with grip lock around the edges of the openings.	
10/7/2022		Locate:	
	0	1 NOTCH, EXTERIOR COMPARTMENT	
dr11n100		Cut, provide notch in exterior compartment for interior cabinet or accessory easement.	
12/26/2022		Locate:	
CA510005	1	1 457 CURB SIDE, REAR:	
		Clear Door Opening: 21.1" wide x 79.1" high	
		Actual Dimension: 24.0" wide x 82.1" high x 20.3" deep	
		This area shall be accessed through a single outside hinged door. The unit's primary backboard storage shall be located in this area. Compartment to be fabricated from flat aluminum plate to receive specified wall covering.	
	0	1 SWEEP OUT COMPARTMENT FLOOR MODIFICATION	
cb03so00		Compartment floor is to be sweep-out style.	
4/21/2018			
	0	1 STAINLESS COMPARTMENT SILL PLATES:	
dh100000		Stainless steel compartment sill plates shall be installed as noted below. (Pricing is per compartment)	
10/7/2022		Locate: All	

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

<u>Option</u>	<u>Std Qty</u>	<u>Header/Description/Data</u>	<u>Proposal Total</u>
	0	2 SHELF FOR LED LIGHTED VERTICAL COMPARTMENT	
dr08i000		A diamond plate adjustable shelf shall be installed in the following location.	
	4/21/2018	Locate: between divider and right hand wall. Begin the shelf track approximately 39" above the floor level.	
	0	1 DIVIDER FIXED, VERTICAL COMPARTMENT	
dr11a000		Install a 16" deep fixed vertical divider shall be installed in the location listed below. (Divider material is to match the compartment material)	
	4/21/2018	Locate: 11" from right hand wall	
	0	1 STAIR CHAIR POCKET, RECESSED	
dr11p000		A pocket that is 40" high x 10" wide x 1.2" deep shall be recessed into the inner compartment door panel. The pocket shall be installed as close to the bottom and hinged side of door as possible unless otherwise specified.	
	6/1/2023	Configure: Punch a hole in the door panel for a 10" wide pocket. ILO installing the pocket, install a 1/8" piece of flat aluminum on the inside, of the punched panel.	
	0	1 LINE-X LINED COMPARTMENT	
dr13a000		Spray the selected compartment with Scorpion lining as noted below.	
	4/21/2018	Color: light gray Size: include compartment door	
	0	1 LINE-X LINED DIVIDER	
dr13c000		Spray the selected divider with Scorpion lining as noted below.	
	4/21/2018	Color: light gray	
CA510006	0	1 457 CURB SIDE, INTERMEDIATE:	
		Clear Door Opening: 24.6" wide x 18.06" high Actual Dimension: 32.1" wide x 19.6" high x 20.3" deep This area shall be accessed through a single outside hinged door.	
	0	1 STAINLESS COMPARTMENT SILL PLATES:	
dh100000		Stainless steel compartment sill plates shall be installed as noted below. (Pricing is per compartment)	
	10/7/2022	Locate: All	

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

CB12A000 0 1 POCKET FOR COOL TECH I

Modify the body roof structure for installation of a Cool Tech I condenser to be recessed into the forward portion of the roof.

4/21/2018

CBSPSI00 1 1 SPECIAL INSTRUCTION, BODY MODIFICATIONS

0 1 SPECIAL INSTRUCTION, BODY MODIFICATIONS: CAST NYLON PLATE

cbsp0001

10/6/2022 *Description:*

Install a plate of Ultra Slippery Cast Nylon 6 (McMaster Carr, 84845k66 Nylon) on the compartment floor in front of the oxygen cylinder mount to assist in sliding the cylinder to the mount. Install the plate at the same height as the bottom plate of the cylinder mount.

D MODULE BODY HARDWARE

4/21/2018

DG05C100 0 1 TINTED WINDOWS, REAR MODULE BODY ENTRY DOORS

The rear module entry doors shall have solid windows. The windows shall have dark privacy glass. The windows shall meet FMVSS glazing standards. No films are to be used.

4/21/2018

DG06C200 0 1 TINTED WINDOW, SLIDING FOR SIDE ENTRY DOOR

The side entry door shall have a sliding window. The window shall have dark privacy glass. The window shall meet FMVSS glazing standards. No films are to be used.

4/21/2018

DG07R000 1 1 EMERGENCY DOOR RELEASE MECHANISM, SIDE DOOR

Install emergency release knobs on top and bottom of the side module entrance door.

2/4/2021

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

DG080000 2 2 EMERGENCY DOOR RELEASE MECHANISM, REAR DOORS

Install standard emergency release knobs on top and bottom of rear module entrance doors.

2/4/2021

DG08A000 1 1 DOOR HANDLES

Install Tri-Mark free floating style door handles with pre-stretched stainless steel cables. Include three piece interior door panels on all access doors.

DH000000 1 1 Vi-Tech body mounts

Install standard Vi-Tech body mounts.

4/21/2018

DH010000 1 1 PATIENT AREA SOUND PROOFING/ACOUSTIC ENHANCEMENT PACKAGE

Install standard sound control package.

DH03B000 1 1 MIRROR STAINLESS STEEL SPLASH SHIELDS

Install #8 mirror stainless splash shields on the lower front face of the body just behind the cab access doors. These splash shields are to be the same height as the diamond plate front corner guards.

4/21/2018

DH04B000 0 1 MODULE BODY FENDERS: rubber

Rubber extruded fenders shall be installed around the rear wheel well opening.

4/21/2018

DH04RP00 1 1 POLISHED STAINLESS LOWER BODY RUB RAILS

Polished stainless lower body rub rails, with #8 mirror finish, are to be along the bottom of the body on each side.

4/21/2018

DH110000 1 1 DIAMOND PLATE CORNER GUARDS

Install polished diamond plate corner guards on all four vertical corner extrusions.

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

DH130000 1 1 REAR RISER, ALUMINUM DIAMOND PLATE

The rear riser is to be fabricated out of polished aluminum diamond plate.

DH330000 1 1 REAR DOOR HOLD OPENS, GRABBER

Install chrome Cast Products "Grabber" style rear door hold opens.

4/21/2018

DLH42000 0 1 RECESSED LICENSE PLATE BRACKET INCLUDING BACKUP LIGHTS

A Cast Products #LP0003 recessed license plate bracket shall be installed per the attached drawing. The bracket will include lighting in the top to illuminate the license plate. It will also include (2) lights, 1-on either side of the license plate that will be wired to the reverse circuit.

5/10/2018 Description: use LED lights

DM100000 1 1 REFLECTORS:

All patient compartment entry doors shall have red reflectors in the lower corner.

4/21/2018

DSPSI000 1 1 SPECIAL INSTRUCTION, MODULE BODY HARDWARE

E PAINT AND STRIPING

4/21/2018

ED010000 1 1 CHASSIS PAINT: standard white

Chassis color to be standard white.

4/21/2018

ED040000 1 1 MODULE PAINT: standard white

Paint module standard white Sikkens #FLNA4002.

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

ED090000 0 1 STRIPE: custom

Special paint stripe
See drawing

6/1/2023 Description: Customer supplied photo catalog

Paint color: Red

Paint number: FLNA3026

Paint a 12" belt stripe that includes and angled upsweep on the rear body sides that wrap the roof extrusions and stop. Include a 21" break in the vertical upsweep for installation of an 18" star of life. Leave a white paint space gap on the horizontal portion of the belt stripe rear of the upsweep and continue the belt stripe rearward and wrap the rear extrusions and stop. Continue the stripe across the rear entry doors. Note Chevron around the rear entry doors. Include a front face down sweep and extend a 9" stripe forward across the chassis. Mask a 0.25" white paint space gap (to serve as pin stripe) 0.25" in from outer edge of all paint stripe edges. Paint a skirt stripe even with the top of the rear corner guards that extends forward across the module body and cab. Mask a 0.25" white paint space gap (stripe) 0.25" in from the top edge of stripe. The 12" and 9" dimensions listed above is total overall width of the stripe including 0.25" gap and painted pinstripe

ED300000 1 1 PIN STRIPE: 1/4" black

The single color stripe as described above shall include a 1/4" black pinstripe that surrounds the entire accent stripe.

4/21/2018 Locate: Per above

ED5E0000 0 1 DIAMONDGRADE CHEVRONS-AROUND REAR DOORS

Install Diamondgrade chevron striping on the rear of the body around the rear doors. Install inboard of the corner posts and below the upper driprail.

6/1/2023 COLORS: RED #983-72
FLUORESCENT YELLOW GREEN #983-23

ED5M0000 0 1 SCOTCHLITE CHEVRON ARROW-DOOR PANELS

The three patient entry door inner door panels will have red and white printed Scotchlite arrow style warning graphic on center door panels.

6/2/2023

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

ESPSI000 1 1 SPECIAL INSTRUCTION, PAINT & STRIPING

F **INTERIOR CABINET DOORS, HANDLES & HARDWARE**

4/21/2018

FE010000 1 1 FULL HEIGHT PULL HANDLES ON SLIDING PLEXIGLAS DOORS

All sliding cabinet doors to have full length pull handles.

4/21/2018

FE01FT00 1 1 LATCH, HINGED DOOR: Southco flush stainless steel pull style

Install stainless flush mount Southco pull latches on the hinged interior cabinet doors.

4/21/2018

FE02B000 0 1 PLEXIGLAS COLOR: clear

All Plexiglas cabinet doors to be clear.

6/2/2023

FE06F000 0 2 SOLID SURFACE COUNTER TOP WITH COVERED INTERIOR EDGES

A solid surface counter top shall be installed made from the material listed below. The inside vertical and horizontal shall have a smooth rounded radius instead of a 90 degree mated surface. Counter is to include radiused and tapered corners.

6/2/2023 Color: grey granite

FE08ST00 1 1 INHALATION PANEL LAMINATE COVERED:

The inhalation panel is to be fabricated from composite material and covered with to match finished color material selected.

6/1/2023

FE08SV00 0 1 INHALATION PANEL CLOSEOUT

Install a D/A finished aluminum close-out on the bottom of the inhalation panel. Panel includes a hinge-down door to access the O2 bypass valves.

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

FSPSI000 1 1 SPECIAL INSTRUCTION, CABINET DOORS, HANDLES & HARDWARE

G INTERIOR COLORS, UPHOLSTERY AND SEATING

4/21/2018

GF01C000 1 1 INTERIOR COLOR SCHEME: Custom

Interior colors are as follows:
Or Select from one of the pre-coordinated schemes.

6/2/2023 INTERIOR COLOR SCHEME: GRAYSTONE
FLOOR: LONPLATE BLACK
RISERS: STAINLESS STEEL
WALLS: GUNMETAL CG TECH
CABINETS: FASHION GRAY PAINT
UPHOLSTERY: FLINT GRAY
COUNTERTOP: GREY GRANITE
ACCENT STRIPE: NONE

GF01CG00 0 1 INTERIOR COLOR SCHEME: CG TECH

The patient area walls, inner door panels and inhalation panel (EXCLUDING the main cabinet wall and associated areas such as the action area, CPR seat and telemetry area when equipped) are to be finished with CG Tech material. Install brushed stainless risers and lower door panels.

6/2/2023 Color: Gunmetal

GF02M100 0 1 INSIDE CABINET FINISH: Smooth Glossy Paint

The interior of all aluminum cabinets shall have a durable smooth glossy paint finish. The painted surface shall be washable and non-absorbent. See the appropriate Interior Color Scheme option for paint color information.

3/28/2023

GF02P000 1 1 RISERS:

The interior of this vehicle is to contain no wood or wood products. The risers are to be made of reinforced structural composite board covered with Formica per the color description. Formica will not be installed on the risers if stainless steel riser options are selected.

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

H INTERIOR CABINETRY, STREET SIDE

All interior cabinets are to be fabricated and configured as follows.

4/21/2018

H010000 1 1 INTERIOR CABINETRY, STREET SIDE, ALUMINUM

All interior cabinets are to be fabricated from aluminum.

HI457000 1 1 STREETSIDE CABINET LAYOUT 457 FORD TYPE I

The main cabinet wall shall be of modular construction. All individual cabinets shall be of aluminum welded construction, and have the following cabinet configuration and layout.

10/7/2022	457 72" Headroom	Cabinet dimensions are Outside Dimension
	Configure:	All street side cabinets to be 18" deep
	Cabinet A:	UPPER LINEN
		Electrical Distribution
		20" wide x 17.5" high
		Hinged Solid door
	Cabinet B:	LOWER LINEN
		20" wide
		(2) adjustable shelves
		Hinged Solid door
	Cabinet C:	HVAC
	Cabinet 1:	ABOVE ACTION AREA
		36" wide x 14" high
		Sliding Plexiglas door
		Restocking Frame
	Cabinet 1a:	ANGLED END CABINET, UPPER FORWARD CPR SEAT
		12" wide x 14" high
		(1) shelf
		Right hinged vertical Padded door, locking latch
	CPR SEAT:	28" wide 52" high, excluding cushions
	Cabinet 2:	UPPER REAR
		50" wide x 20" high
		Sliding Plexiglas doors
		(1) adjustable shelf
		Restocking Frame
	Cabinet 3:	REAR OF CPR SEAT, LOWER
		16" wide x 14" high
		Sliding Plexiglas door
	Cabinet 6:	Beneath action area counter
		48" wide x 14" high
		Sliding Plexiglas doors

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

HK000000 1 1 LINEN CLOSET: 2 DOOR

Install a vertical storage cabinet behind the attendant seat. The upper storage area shall house the primary electrical distribution area separated to lower section with a fixed shelf. The lower section shall be used for miscellaneous storage, and include (2) adjustable shelves. Each area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum and shall then be painted.

6/1/2023

HK000200 0 1 LINEN CLOSET WITH HEAT/AC UNIT IN BOTTOM

A vertical storage cabinet shall be located behind the attendant seat. The upper storage area shall house the primary electrical distribution area. The lower section shall be used to house the vehicle heat/ac unit. The outer surface of this area will be covered with perforated stainless steel providing intake air to the heat/ac unit. The center section can be utilized for miscellaneous storage. The electrical distribution area and the center storage area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum and shall then be painted, unless otherwise specified.

6/2/2023

HK01B000 1 1 STREETSIDE WALL WITH CPR SEAT

Street side wall to have CPR configuration. All cabinets over 14"H will include (1) standard adjustable shelf.
SEE DRAWINGS

4/21/2018

HK01R000 0 2 LIFT UP CABINET FRAMES: street-side CHANGE NOTICE 10

Fasten the Plexiglas door frame extrusion to a piano hinge secured to the cabinet wall. The complete frame and doors shall hinge open upward providing total access to the cabinet behind. The frame shall be held open with gas charged cylinders and secured in the down position with a sliding dead bolt.

4/21/2018 *Locate:* *Upper rear cabinet*
Cabinet above action area panel

HK11B000 0 1 LOCKING DOOR: single

Install a single lockable door. Include a National key lock.

4/21/2018 *Locate:* *Cabinet below electronics*

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

HK160000 0 1 INTERIOR SHELF

Install an additional adjustable shelf.

2/1/2021 *Locate:* *upper section of front wall cabinet*

HK17C000 1 1 SHARPS/WASTE DISPOSAL:

Install Sharps and waste disposal in a metal container recessed into the inhalation counter top. Access to the waste receptacle shall be through a spring loaded door. The neck of the sharps container shall protrude through the top surface of the receptacle. Disposal of both containers shall be accessible by raising a hinged aluminum lid.

5/21/2018 *Sharps Waste disposal to forward section, of main counter action area.*

HSPSI000 1 1 SPECIAL INSTRUCTION, STREETSIDE CABINERY

0 1 SPECIAL INSTRUCTION, STREETSIDE CABINERY: GLOVE BOX

hsp00002

10/7/2022 *Description:* *Custom glove box in inhalation wall, for 4 boxes.*

Size: *Customer glove box size, 5.5" x 11.0" x 4.0"*

Configure: *(1) cut hole in action panel sized for finished dimensions of glove cabinet.*
(2) attach angle flanges around border of cut out on back face of action panel. (insulation side)
(3) slide glove cabinet into cutout. Fasten with counter sunk holes from inside of glove cabinet to surrounding return of angle flanges.
(4) fabricate glove cabinet from aluminum.

Glove box to be fully recessed into the wall.

INTERIOR CABINETS AND SQUAD BENCH, CURB SIDE

All interior cabinets are to be fabricated from aluminum.

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

IG040000 1 1 SQUAD BENCH STORAGE:

Storage shall be provided under the bench cushions. The area shall run where possible under the bench. The storage pan shall be fabricated from aluminum and shall be accessed by raising split cushion(s)

2/1/2021 *Configure:* *locate cushion split between center and rear seat positions*

IG070110 1 1 SQUAD BENCH END RESTRAINT FOR USE WITH HOPS

Install a restraint that is 16" above the seating surface at the head end of the bench. Standard for use in conjunction with HOPPS 3-point seat belts.

5/12/2018

IG10A000 2 2 BENCH HOLD OPEN: GAS SPRING

Install gas spring hold opens on each squad bench lid.

2/6/2021

IG10Q000 2 2 BENCH HOLD-DOWN: paddle latches (Pair)

Install recessed paddle latches into the squad bench riser to retain the squad bench lids in the closed position. The latches shall be both passive and positive.

2/6/2021

IG15A000 1 1 BENCH CUSHION EDGE TRIM:

Trim bench cushion edge with protective aluminum trim, to protect horizontal edge of squad bench cushion from tears..

4/21/2018

IG15B000 1 1 BENCH BACK CUSHION:

Install full size bolstered backrest cushions at both the squad bench and CPR seat seating positions.

4/22/2018

IK18AA00 1 1 BENCH CABINET, HINGED DOORS:

Fabricate and install a bench ceiling cabinet above the squad bench with lift up 3/8" acrylic doors.



Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

IK280000 0 1 PASS THROUGH ACCESS TO THE CURBSIDE REAR COMPARTMENT

Inside/outside access to the curbside rear compartment shall be provided as described. Width is to be determined by the location of any exterior divider and the height shall start 41" from the exterior compartment floor to interior closeout unless noted otherwise below.

INFO REQUIRED

10/7/2022 *Size:*

Door style:

Configure:

(2) side hinged Plexiglas

Make door opening as wide as possible.

Hinged edge of Plexiglas door to align with divider in outside compartment. Max access between divider, and wall required.

ISPSI000 1 1 SPECIAL INSTRUCTION, CURBSIDE CABINERY

J INTERIOR CABINETS, FRONT

All interior cabinets are to be fabricated from aluminum.

4/21/2018

JAK03000 1 1 INTERIOR CABINETS, FRONT WALL CONFIGURATION

The front wall cabinet shall be arranged as specified. Additional configuration information may follow below.

Configure: walls to have paint finish

JAK03G00 0 1 (2) GLOVE STORAGE ABOVE FRONT WALL CABINET

Storage for (2) glove boxes shall be provided in the header above the front wall cabinet. The face of the storage area will be covered in matching interior vinyl and include openings for access to each storage area. The header will be hinged for restocking or removal of glove boxes.

2/6/2021 *Glove box size: 5.5" x 11.0" x 4.0*

JE040000 4 4 FRONT WALL DOORS: Plexiglas

Front cabinet wall to have hinged Plexiglas doors, and latch type as designated.

2/6/2021

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

0 1 **SPECIAL INSTRUCTIONS, COT MOUNTS & PATIENT HANDLING:
STRAPS**

Isp00002

6/6/2023 *EQUIPMENT STRAPS:*

Description:

Equipment mounting straps are to be installed where indicated. The straps to be 2" Wide heavy-duty nylon straps. The straps to include a Velcro hook & loop closure system that doubles back on itself through a "D" ring doubling the holding power. The anchor ends shall be fasten to the compartment walls with full width footman's loops. Velcro only straps are not acceptable do to the tendency to loosen. Buckle straps are not acceptable as they are difficult to adjust tightly yet remain manageable to secure.

STRAPS:

Locate:

Streetside forward compartment, right hand wall

Equipment:

Reeves stretcher

Locate:

Streetside forward compartment, above shelf

Equipment:

short board, KED

Locate:

Curbside rear compartment, below shelf

Equipment:

Stryker Stair Pro stair chair

Locate:

Curbside rear, against divider

Equipment:

Long Boards

Locate:

Curbside rear, against left wall

Equipment:

Scoop

Locate:

Curbside forward, shelf

Equipment:

Streamlight

M LIGHTBARS FRONT AND REAR

4/21/2018

MAM148F0 1 1 FRONT LIGHTBARS FOR 96" BODIES

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

0 1 **LIGHT BAR: custom front**
mam15y00 Install special front light bar.

3/30/2023 *Manufacturer:* Whelen
Model: Liberty II 54"
Configure: (1) IJ2DEDE
 (1) photo cell
 (1) drivers side cable exit
 (2) IBDLD DUO Long White|Red
 (2) IBDLE DUO Long White|Blue
 (1) IBDS D DUO Short White|Red
 (1) IB DSE DUO Short White|Blue
 (1) IA3 LED Aley Lights
 (1) Opticom, GT795H
 (2) F4795HT TIR LED Take Down
 WeCanControl Point

```
/WLED|WLED|WLED|WLED|TD|--GTT--|TD|WLED|WLED|WLED|WLED\  
/ RLED|RLED|RLED|RLED|                   |BLED|BLED|BLED|BLED \  
| ALLEY                                                           ALLEY |  
\ WLED|                                                           |WLED /  
\RLED|                                                           |BLED/
```

Lightbar cable to enter drivers side
Program a front panel switch to steady burn all
white light segments.

0 1 **LIGHT BAR MOUNT: cab roof**
mam20a00 Mount light bar on cab roof.

3/13/2019 *Model:* selected above

MM ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS

4/21/2018

MM01A000 0 1 WIG WAG HEADLIGHTS:
Install wig wag headlight flasher.

4/21/2018

MM030000 1 1 WHELEN M SERIES LIGHTING OPTIONS:
Package is to include M Series control wiring.

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

<u>Option</u>	<u>Std Qty</u>	<u>Header/Description/Data</u>	<u>Proposal Total</u>
0	1	M6 SERIES LED, AMBER	
mm06a000		Whelen M6 series L.E.D. lights shall be installed in the designated locations.	
3/10/2019		Location: center over rear doors Lens color: clear	
0	2	M6 SERIES LED, RED	
mm06r000		Whelen M6 series L.E.D. lights shall be installed in the designated locations.	
3/30/2023		Location: rear face, L2 and R2 Lens color: clear	
0	2	M6 SERIES LED, RED/BLUE SIDE TO SIDE SPLIT	
mm06rb00		Whelen M6 series L.E.D. lights shall be installed in the designated locations.	
3/30/2023		Location: L1 and R1	
0	2	M7 SERIES LED, RED/WHITE SIDE TO SIDE SPLIT	
mm07rw00		Whelen M7 series L.E.D. lights shall be installed in the designated locations.	
3/13/2019		Location: front fender intersection lights. Configure: white facing forward. Each split color warning light section shall have its own power wire. Alternate flash within. Forward facing white to steady burn with respective turning signal. The cornering light feature to operate in both emergency, and non-emergency modes.	
0	2	M9 SERIES LED, RED/AMBER SIDE TO SIDE SPLIT	
mm09ra00		Whelen M9 series L.E.D. lights shall be installed in the designated locations.	
3/30/2023		Outboard color: Blue Inboard color: Amber Locate: (1) rear face window level - streetside Outboard color: Blue Inboard color: Amber Locate: (1) rear face window level - curbside Configure: Clear lens Each split color warning light shall have its own power wire. M9 R/B, R/W, R/A DUO R/B, R/W, B/A, B/W, A/W	

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

0 6 M9 DUO SERIES LED, RED/BLUE SPLIT

mm09rbd0 Whelen M9 series L.E.D. lights shall be installed in the designated locations.

10/7/2022 Outer color: Red
Inner color: Blue
Locate: (2) front face
(2) upper streetside corners
(2) upper curbside corners

Configure: Clear lens
Each split color warning light shall have its own power wire.

MM10CM00 0 7 L.E.D. WARNING: compartment door DUAL COLOR (EACH)

Install custom made L.E.D. light strips on the interior of the exterior compartment door panels. The lights strips are to have sections of 3" different colored lights as noted below. The light strips shall have an integral lens strip for maximum light disbursement. Installation will be flush with the ALD inner panel. The light strip shall flash when the compartment door is open, and the red flashing light circuit is activated.

4/24/2018 Color: Red/amber
Compartment: All exterior compartment doors.
Configure: lights to flash if door is open and battery switch is on

MM10M000 0 6 L.E.D. WARNING: patient entry door, DUAL color (EACH)

Install custom made L.E.D. light strips on the interior patient entry door panels. The lights are to have 3" sections of alternating light colors as noted below. The light strips shall have an integral lens strip for maximum light disbursement. Installation will be flush with the inner door panel. The light strip shall flash when the door is open, and the red flashing light circuit is activated.

4/24/2018 Locate: all 3 patient access doors, 2 per door
Configure: use split color Red|Amber at the top
use split color Amber|Red at the bottom
Configure: lights to flash if door is open and battery switch is on

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

MM700000 0 1 FLASHING SEQUENCE FOR LED LIGHTING

Specify flash pattern programming for selected or all applicable warning lights:

3/13/2019 *Warning light groups: - front and side M9 warning
- rear M9
- grille lights
- chassis intersection lights
- rear wheel intersection lights
- rear M6*

Program: SW wire individually in field programmable options.

Note: Each wire should also have field programmable

Option for steady burn (a.K.A constant hot).

Note: Each sync wire should be able to turn on/off within Field programmable options.

MM7A0000 1 1 M Series control wire

The selected M Series lighting is to feature pattern programmability from the control panel. Include pattern and sync wires in the harness.

Lights:

MMSPSI00 1 1 SPECIAL INSTRUCTION, VISUAL EMERGENCY WARNING SYSTEMS

0 1 SPECIAL INSTRUCTION, VISUAL EMERGENCY WARNING SYSTEMS

mmsp0010

10/7/2022 *Description: Install Whelen V23RTPC lights over each rear wheel. Red to flash with emergency lights*
*Configure: Enable Puddle light when headlights are on.
Enable Spot light with scene lights.*

0 1 SPECIAL INSTRUCTION, VISUAL EMERGENCY WARNING SYSTEMS

mmsp0030

10/7/2022 *GRILLE LIGHTS:*
Description: install the following warning lights on the chassis grille.
*Locate: upper grille bar
lower grille bar*
Manufacturer: Whelen Ion Trio
*Model: I3SMJC
with Black Bezel*
*Configure: Clear lens
Program switch in front panel to enable all white lights to steady burn, "GRILLE SCENE"*

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

MN **AUDIBLE EMERGENCY WARNING SYSTEMS**

4/21/2018

MN09F500 0 1 **AIR HORNS: under bumper FORD F-SERIES**

Install (2) Buell #1061 10" trumpets under the front bumper recessed into the air dam valance. System to include a #16122 compressor and remote air tank. The air horns can only be activated when the vehicle is in gear.

12/23/2022 *Activation:* *Push button in upper left corner of console.
Program compressor to operate if the battery
Switch is off and the shoreline is on and the
Battery charger is active.*

Configure: *Install (1) 10" trumpet and (1) 12" trumpet*

MN35CD00 0 1 **SIREN: WHELEN HFS295C9**

Specified siren to be:
Whelen HFS295C9

12/23/2022

MN40A000 1 1 **SIREN INSTALL:**

The siren listed above shall be supplied and mounted as defined.

4/21/2018

MN45DH00 1 1 **SIREN SPEAKERS: CAST PRODUCTS, F SERIES**

Install Cast Products siren speakers, applicable to Ford F-Series chassis, in the front bumper.

4/21/2018 *For use with current model F-Series chassis.*

MNSPSI00 1 1 **SPECIAL INSTRUCTION, AUDIBLE WARNING SYSTEMS**

O **LIGHTS**

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

OM25FB60 0 1 LOADING LIGHT, WHELEN M6 SERIES, LED

Install Whelen M6 Series LED loading light with chrome flange.

2/6/2021

OM30D000 1 1 TAIL LIGHTS, M6 SERIES

Whelen M6 series brake/tail, amber arrow turn and backup lights to be installed in the selected location.

2/6/2021 *Locate:* *tail/stop and reverse lamp in ALD riser
turn signal in module body rear face*

OM30FB00 0 1 AMBER ARROW LIGHTS, M6 SERIES LED'S

Whelen amber arrow M6 series led lights shall be installed in the designated location.

4/21/2018 *Locate:* *front face of module body*

OSPSI000 1 1 SPECIAL INSTRUCTION, ELECTRICAL

0 1 SPECIAL INSTRUCTION, ELECTRICAL

osp00002

3/30/2023 *Description:* *Install a Whelen Arges light bar mounted LED
Spotlight and remote. ARGFS1, ARGCH*, and
ARGLB1.*

0 1 ELECTRICAL LIGHTING, SPECIAL INSTRUCTION

osp00004

12/23/2022 *Description:* *Install a Whelen Pioneer PCPSM1C super LED
combination spot floodlight as noted below.*

Quantity: *1*

Locate: *front face of module*

Configure: *Light to operate in Non-Emergency Mode as well as
Emergency Mode. Light is to default ON when ALL
WHITE switch for front light bar is selected.*

Switch Name: *Front Flood*

P ELECTRICAL POWER GROUP

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

PADL4800 0 1 ELECTRIC DOOR LOCKS: compartment

Install power activated door locks on all exterior compartment doors. Locks to be activated by a switch at each patient area access door. Locks may be overridden by a door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.

12/18/2022

PADL48A0 1 1 ELECTRIC DOOR LOCKS: access doors

Install power activated door locks on all patient area access doors. Locks to be activated by a switch at each patient area door, and controlled with the access door locks. Locks may be overridden by a manual slide lever or by the door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.

PADL48C0 0 1 ELECTRIC DOOR SWITCH: programmable touch pad

The patient area power door locks will include an exterior programmable touch pad system located near the body side access door.

12/18/2022 *Locate:* *rear face of body*

PADL48D0 0 1 ELECTRIC DOOR LOCKS WIRED TO OEM SWITCHES

The module door locks and compartment locks (if ordered) are to be wired to the chassis door lock switches.

12/18/2022

PAL00006 1 1 INTELLIPLEX i4G:

Install the Intelliplex i4G electrical system. System is to include a USB port installed under the dash for ease of programming.

This option is to include the LED push button power wake/timer switch if ordered in conjunction with option #PAL01C00

4/24/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

PAL31C00 3 7 INTERIOR 12VDC OUTLETS: POWER TAP/ USB

12 volt outlets to use cigarette lighter style with combination dual USB connectors.

6/6/2023 *Locate:* (1) Inhalation wall
(2) Front wall cabinet, above top shelf
(2) Front wall cabinet, above fixed shelf
(1) Wall over rear counter area
(1) Cab console, passenger side

Configure: Battery hot

Note: outlets to be combination 12vdc power tap, and with dual USB ports. USB ports to include (1) each type "C" and type "A"

PAL32C00 0 1 INTERIOR USB OUTLETS:

Dual USB charging outlets are to be installed where designated. The outlets are to be wired battery switched unless noted.

12/22/2022 *Locate:* cab console

Configure: Battery Hot

PAL33000 1 1 PD BOX LOCATION

Install the power distribution panel on the left hand side of the streetside intermediate compartment. Close off this area from the remainder of the compartment.

PAL38B00 0 1 SHORELINE: 20 AMP SURE EJECT

Install a 20 amp Blue Sea Sure Eject shoreline receptacle model 7851. Indicator light to glow red if the shoreline inserted has no power, and glow green if the shoreline has power.

12/22/2022 *Locate:* street side module body

Color: white

PL19A000 1 1 REPORT LIGHT

Install a 12" Tecniq LED bar style report light.

5/9/2018

PL20F100 0 1 CLOCK, HORTON LARGE FACE DIGITAL w/ SECONDS DISPLAY

Install a Horton large face digital 12/24 hour clock with seconds display in the location noted below.

5/9/2018 *Locate:* Over rear doors

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

0 1 **SPECIAL INSTRUCTION, ELECTRICAL POWER, PROGRAMMING:
REMOTE SUMMARY**

psp00004

5/12/2018 *Description:* REMOTE SWITCH PANEL SUMMARY

PL24T000 Side door switch panel
SW1: Dome Timer
SW2: i4G Timer
SW3: Curbside scene light

PAL00T20 Squad bench restraint
SW1: Heat, Auto 70'
SW2: Dome lights
SW3: Oxygen

BH320R00 Right Rear door switch panel
SW1: Dome Timer
SW2: i4G Timer
SW3: Dump Override

PL14A000 Right Rear door switch panel
SW1: Curbside Scene lights
SW2: Rear load lights
SW3: Streetside Scene Lights

0 1 **SPECIAL INSTRUCTION, ELECTRICAL POWER, PROGRAMMING:
LINEN CLOSET LED**

psp00005

10/6/2022 *LINEN CLOSET LIGHT:*
Description: LED strip lighting is to be installed in the streetside linen cabinet. Lights to be mounted in a 45 degree clip. Operate through magnetic door switch.

0 1 **SPECIAL INSTRUCTION, ELECTRICAL POWER, PROGRAMMING:
LIGHT BOXES**

psp00006

6/6/2023 *Description:* supply and install (1) Streamlite 45673 Portable, extendable Scene light.
Yellow
Locate: curbside forward compartment

Q HEATING, AIR CONDITIONING AND INTERIOR ENVIRONMENT

4/21/2018

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

QL43PP00 0 1 NFPA COMPLIANT VENTING-CAST PAINTED, NEGATIVE PRESSURE

An NFPA compliant venting system, to include (2) 400cfm exhaust fans, is to be installed. Install 9.5" square cast covers on both vents per drawings. The covers to be painted body color. Activation of the venting system is to be through the rear control panel. When "VENTILATION" is selected, then one exhaust fan will operate to vent the patient area. When "NEGATIVE PRESSURE" is selected, then both fans will activate to create a negative pressure environment inside the patient care area. This feature shall be programmed to operate for 10 minutes. System can be reactivated once it times out.

6/22/2022

QSPSI000 1 1 SPECIAL INSTRUCTION, HEAT/AC & INTERIOR ENVIRONMENT

R CAB CONSOLE AND COMMUNICATIONS

4/21/2018

RJ01A000 1 1 ANTENNA COAX 1:

An RG 58U coax shall be installed so that the ambulance conversion need not be disassembled.

4/21/2018 *Exterior termination: Coiled under driver side of cab headliner*
Interior termination: Linen closet

RJ01B000 0 1 ANTENNA COAX 2:

Install additional antenna coax and accesses.

4/21/2018 *Exterior termination: Coiled under passenger side of cab headliner*
Interior termination: console

RJ01D000 0 1 ANTENNA COAX 4:

Install additional antenna coax and accesses.

4/21/2018 *Exterior termination: Center of mod roof*
Interior termination: Linen closet

RJ01E000 0 1 ANTENNA COAX 5:

Install additional antenna coax and accesses.

4/21/2018 *Exterior Termination: rear of module body*
Interior Termination: console

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

RJ08A000 0 3 RADIO POWER/GROUND: 3 STUD

Install three 6 gauge cables to positive and ground studs for radio power. Wire one constant hot, one ignition hot and one ground.

6/2/2023 *Locate:* *console*
Configure: *battery hot, battery switched*
Locate: *(1) behind inhalation panel*
Configure: *battery hot, battery switched,*
mod disconnect switched

Locate: *middle of linen closet*
Configure: *battery hot, battery switched*
Use 6 gauge 50 amp cable.

RSPSI000 1 1 SPECIAL INSTRUCTION, CAB CONSOLE & COMMUNICATIONS

T OXYGEN AND SUCTION

4/21/2018

TN002000 1 1 OXYGEN BOTTLE MOUNT, VERTICAL TRACK FOR QRM-V

Vertical track for mounting of a QRM-V O2 bottle mount shall be welded on the back wall of the compartment in the right hand corner. The O2 bottle mount is adjustable for "M" size tanks.

4/21/2018

TN01MW00 1 1 OXYGEN BOTTLE, CYLINDER BRACKET: Zico

A Zico QRM-V oxygen cylinder bracket shall be installed in the streetside forward compartment and set up for an 'M' bottle.

4/21/2018 *Locate:* *Standard location*
Tank size: *"H"*

TN020000 1 1 OXYGEN ACCESS:

A clear Plexiglas door shall be provided in the patient area wall for access to the oxygen cylinder valve. The door shall be hinged so that it swings into the oxygen cylinder storage compartment. The opening shall be trimmed with anodized aluminum edging. O.D. dimension of the access is 7" wide x 11" high.

4/21/2018 *Configure:* *Install access door to open away from oxygen compartment, and towards back wall of action area.*

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Oty Header/Description/Data Proposal Total

UP01SS00 0 1 LETTERING REQUIRED ON STREET SIDE OF BODY

Lettering shall be installed on the street side of the body. This lettering shall meet the requirements listed below.

6/6/2023 *CONFIGURE:*

"MONMOUTH JUNCTION" (4") *ARCHED - RED SCOTCHLITE- UPPER BODY SIDE*
"FIRST AID SQUAD" (4") *ABOVE THE BELT STRIPE - RED SCOTCHLITE*
"AMBULANCE" (6") *LOWER PORTION OF THE REAR COMPARTMENT DOOR*
ABOVE THE SKIRT STRIPE - FEDERAL PACKAGE
"A53" (6") *LOWER PORTION OF REAR COMPARTMENT DOORS IN*
SKIRT STRIPE, WHITE SCOTCHLITE

UP01ST00 0 1 LETTERING ON MODULE ROOF

Lettering will be installed on the module roof per the information listed below.

6/6/2023 *Configure:* *Vehicle ID, blue 12" vinyl*
"A53"

UP03B000 0 29 4" SHADED SCOTCHLITE LETTERING

*

6/1/2023

UP03C000 0 58 6" SHADED SCOTCHLITE LETTERING

*

6/1/2023

UP05A000 0 6 3" NON SHADED SCOTCHLITE LETTERING

*

6/1/2023 *

UP05B000 0 3 4" NON SHADED SCOTCHLITE LETTERING

*

6/1/2023 *

UP08A000 0 2 STAR OF LIFE 4: (each)

Install 4" star of life.

4/21/2018 *Locate:* *Hood*

Selected Feature List 11970

Year: 2023

Chassis: Ford Type I, 169" WB, 84"

Model: 457

Option Std Qty Header/Description/Data Proposal Total

UP08B000 0 2 STAR OF LIFE 12: (each)

Install 12" star of life.

4/21/2018 *Locate:* Rear entry door windows.
Configure: etched style

UP08C000 0 2 STAR OF LIFE 18: (each)

Install 18" star of life.

4/21/2018 *Locate:* (1) per body side per drawing

UP08D000 0 1 STAR OF LIFE 36: (each)

Install 36" star of life.

4/21/2018 *Locate:* Module roof

USPSI000 1 1 SPECIAL INSTRUCTION, LETTERING

0 1 **SPECIAL INSTRUCTION, LETTERING: MAX HEIGHT**

usp00001

4/21/2018 *Description:* Supply and install an engraved plate on console to read: 'MAX HEIGHT ___' ____'".

0 1 **SPECIAL INSTRUCTION, LETTERING: REFLECTIVE ON DOOR**

usp00002

3/30/2023 *Description:* Install 4-5 8" long sections of conspicuity tape evenly spaced on the inside of both the left and right cab door outer edges.

UUC93AF0 1 1 KKK-A-1822F CERTIFICATION LABEL

The vehicle shall have weight/payload, electrical load and KKK-A-1822F certification stickers installed in the O2 compartment.

UUC93F10 0 1 KKK-A-1822F CERTIFICATION CHANGE NOTICE 10:

The vehicle shall be up to and through Change Notice 10 compliant

2/1/2021

BH16L000 1 1 LIQUID SPRING SUSPENSION WITH DUMP FEATURE

A Liquid Spring rear suspension shall be installed. The suspension system shall dump when the left rear entry door is opened. The system shall include a dump override switch.

6/6/2023 *Configure: must be able to drive vehicle in reverse in dumped position.*

~~JK040000 0 0 PULL OUT DRAWER IN FRONT WALL CABINET~~ **DELETE**

A pull out drawer will be installed in the front wall cabinet.

6/6/2023 *Description: Install a full width pull out tray mounted on bearing slides. Use slides with mechanical latching to secure tray in the stored position. Tray to pull out through the opened exterior compartment door, and latch in the extended position. Restrict open angle of side patient door to clear tray in the extended position.*

Locate: Floor of front wall compartment.

JSPSI000 1 1 SPECIAL INSTRUCTION, FRONT WALL CABINET

6/6/2023

0 1 **SPECIAL INSTRUCTIONS, COT MOUNTS & PATIENT HANDLING:
STRAPS**

lsp00002

6/6/2023 *EQUIPMENT STRAPS:*

Description:

Equipment mounting straps are to be installed where indicated. The straps to be 2" Wide heavy-duty nylon straps. The straps to include a Velcro hook & loop closure system that doubles back on itself through a "D" ring doubling the holding power. The anchor ends shall be fasten to the compartment walls with full width footman's loops. Velcro only straps are not acceptable do to the tendency to loosen. Buckle straps are not acceptable as they are difficult to adjust tightly yet remain manageable to secure.

STRAPS:

Locate: Streetside forward compartment, right hand wall

Equipment: Reeves stretcher

Locate: Streetside forward compartment, above shelf

Equipment: short board, KED

Locate: Curbside rear compartment, below shelf

Equipment: Stryker Stair Pro stair chair

Locate: Curbside rear, against divider

Equipment: Long Boards

Locate: Curbside rear, against left wall

Equipment: Scoop

Locate: Curbside forward, shelf

Equipment: Streamlight

~~MBM19000 0 0 ROLLED TRAFFIC ADVISOR~~

DELETE

Install (10) single style amber rolled marker lights on the rear roof extrusion to be used as a rear traffic advisor. Program these lights through the i4g in a traffic advisor pattern:

- Center out -
- right to left -
- left to right -
- random flash -

Install the standard style rear led "ICC" lights below the drip rail

6/6/2023

PAL30A00 2 9 110V INTERIOR OUTLET

Two 110V interior outlets are provided as standard on all models. The standard locations are in the inhalation area and the wall over the squad bench. List the standard outlet locations and any deviation from the standard, plus any additional outlet locations below:

6/6/2023 *Locate:* (1)Inhalation area
(2)Front wall cabinet, above top shelf
(2)Front wall cabinet, above fixed shelf
(1)Wall over rear counter area
(1)Cab console, drivers side
(1) In cab, back wall behind passenger seat
(1)Over walkthru for Activtek

PAL31C00 3 7 INTERIOR 12VDC OUTLETS: POWER TAP/ USB

12 volt outlets to use cigarette lighter style with combination dual USB connectors.

6/6/2023 *Locate:* (1)Inhalation wall
(2) Front wall cabinet, above top shelf
(2)Front wall cabinet, above fixed shelf
(1)Wall over rear counter area
(1)Cab console, passenger side

Configure: Battery hot
Note: outlets to be combination 12vdc power tap, and with dual USB ports. USB ports to include (1)each type "C" and type "A"

~~PP11G000 1 0 LIGHT PROGRAMMING: park brake~~ **DELETE**

A warning shall display on the front console readout, advising to set the Parking Brake, should the modular disconnect switch be "ON" and the transmission placed in "PARK" or "NEUTRAL". It will also advise to Disengage the Parking Brake should the vehicle be placed into gear.

6/6/2023 *Configure:* wire alarm to activate with red flasher circuit

0 1 SPECIAL INSTRUCTION, ELECTRICAL POWER, PROGRAMMING: LIGHT BOXES

psp00006

6/6/2023 *Description:* supply and install (1) Streamlite 45673 Portable, extendable Scene light.
Yellow
Locate: curbside forward compartment

TN08B100 0 2 D BOTTLE MOUNT: QR-D-2 SINGLE, STRAPLESS

Install a Zico QR-D-2 Quic-release strapless d-cylinder oxygen bracket.

6/6/2023 *Locate:* front wall

UP010000 0 1 LETTERING:

Lettering to be included.

6/6/2023 COLOR: RED SCOTCHLITE #680-72 BLACK OUTLINE AND
DROP RIGHT SHADE
WHITE SCOTCHLITE #680-10 NO OUTLINE OR SHADE
STYLE: MATCH PREVIOUS 18851

New vehicle number: A53

UP01CS00 0 1 LETTERING REQUIRED ON CURBSIDE OF BODY

Lettering shall be installed on the curbside of the body. This lettering shall meet the requirements listed below.

6/6/2023 CONFIGURE:
"MONMOUTH JUNCTION" (4") ARCHED - RED SCOTCHLITE - UPPER BODY SIDE
"FIRST AID SQUAD" (4") ABOVE THE BELT STRIPE - RED SCOTCHLITE
"AMBULANCE" (6") BELOW THE BELT STRIPE - FEDERAL LETTERING
"A53" (6") LOWER PORTION OF REAR COMPARTMENT DOORS
IN SKIRT STRIPE, WHITE SCOTCHLITE

UP01F000 0 1 LETTERING REQUIRED ON FRONT OF VEHICLE

Lettering shall be installed on the front of the vehicle. This lettering shall meet the requirements listed below.

6/6/2023 CONFIGURE: "AMBULANCE" (4") - REVERSE IMAGE. FEDERAL LETTERING
"A53" (4") - UPPER CENTER CHASSIS WINDSHIELD

UP01R000 0 1 LETTERING REQUIRED ON REAR OF VEHICLE

Lettering shall be installed on the rear of the vehicle. This lettering shall meet the requirements listed below.

6/6/2023 CONFIGURE:
"MONMOUTH JUNCTION" ARCHED ABOVE REAR WINDOWS. SIZE-TO-FIT
"FIRST AID SQUAD" BELOW REAR DOOR HANDLES
"AMBULANCE" BOTTOM OF REAR ENTRY DOORS. FEDERAL LETTERING
"A53" "A53" ONE PER UPPER REAR BODY SIDE APPLIED OVER CHEVRONS

UP01SS00 0 1 LETTERING REQUIRED ON STREET SIDE OF BODY

Lettering shall be installed on the street side of the body. This lettering shall meet the requirements listed below.

6/6/2023 CONFIGURE:
"MONMOUTH JUNCTION" (4") ARCHED - RED SCOTCHLITE- UPPER BODY SIDE
"FIRST AID SQUAD" (4") ABOVE THE BELT STRIPE - RED SCOTCHLITE
"AMBULANCE" (6") LOWER PORTION OF THE REAR COMPARTMENT DOOR
ABOVE THE SKIRT STRIPE - FEDERAL PACKAGE
"A53" (6") LOWER PORTION OF REAR COMPARTMENT DOORS IN
SKIRT STRIPE, WHITE SCOTCHLITE

UP01ST00 0 1 LETTERING ON MODULE ROOF

Lettering will be installed on the module roof per the information listed below.

6/6/2023 Configure: Vehicle ID, blue 12" vinyl
"A53"

Authorized Department Signature(s) _____

**SOUTH BRUNSWICK TOWNSHIP
AFFIRMATIVE ACTION QUESTIONNAIRE
SUPPLEMENT TO BID SPECIFICATIONS FOR
PROCUREMENT AND SERVICE CONTRACTS**

No firm may be issued a contract unless they comply with the Affirmative Action Regulations of P.L. 1975, C. 127 (N.J.A.C.17:27).

All firms: An employee information report must be completed and returned prior to or at the time of an award. An Affirmative Action Plan approved by the Federal Government or the State of New Jersey Treasurer is an acceptable alternate.

FILL IN THE APPLICABLE BOX BELOW. YOUR BID WILL BE ACCEPTED EVEN IF YOU ARE NOT IN COMPLIANCE AT THIS TIME. IF, HOWEVER, YOU ARE THE LOWEST RESPONSIBLE BIDDER AND HAVE NOT YET COMPLIED WITH THE AFFIRMATIVE ACTION REGULATIONS, YOU WILL BE SENT THE AFFIRMATIVE ACTION DOCUMENT FOR COMPLETION PRIOR TO AWARD. YOU MUST RETURN THE COMPLETED DOCUMENT TO US WITHIN SEVEN DAYS AFTER YOU RECEIVED SAME.

ALL FIRMS:

A FEDERAL LETTER OF APPROVAL HAS BEEN RECEIVED. (PROOF MUST BE SUBMITTED WITH BID.)

OR

A CURRENT STATE OF NEW JERSEY "CERTIFICATE OF EMPLOYEE INFORMATION REPORT OF APPROVAL" HAS BEEN RECEIVED. (COPY OF SAME MUST BE SUBMITTED WITH BID.)

OR

AN AFFIRMATIVE ACTION EMPLOYEE INFORMATION REPORT (FORM AA-302 MUST BE SUBMITTED, AS INDICATED ON SAID FORM. (SOUTH BRUNSWICK TOWNSHIP WILL FORWARD YOU THIS FORM, IF YOU ARE A SUCCESSFUL BIDDER.)

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT TO THE BEST OF MY KNOWLEDGE.

Firm Name _____

Signature _____

Title _____

Date _____

CERTIFICATION OF CONTRACTOR

NON-CONFLICT OF INTEREST

In consideration for the contract to be entered between the Township and

_____, I hereby certify
that _____
Individual or Firm or Firm
Individual or Firm
does not represent another client whose interests are in actual conflict
with the Township. I

further certify that, to the best of my knowledge, the representation
of other clients of

_____ will not materially limit my representation of
the Township.

Individual or Firm
During the term of this contract with the Township _____
shall _____ not
Individual or Firm
represent any client whose representation materially limits the
representation of the

Township or whose interests are in actual conflict with the Township's
interests.

The existence of a conflict of interest contrary to the certification
above shall be a breach

of the contract. It shall also entitle the Township to expose
_____ to any
Individual or
Firm
penal statutes pertaining to false material certifications.

CONTRACTOR _____
Individual

Signature or Firm Name

IF FIRM:

BY _____

TITLE _____

Sworn to and subscribed before me this
day of _____ 20_____.

Notary Public

STATEMENT OF OWNERSHIP

(OWNERSHIP DISCLOSURE CERTIFICATION)

N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

**This Statement Shall Be Included with
All Bid and Proposal Submissions**

**Name of
Business:** _____

**Address of
Business:** _____

**Name of person completing this
form:** _____

N.J.S.A. 52:25-24.2:

"No corporation, partnership, or limited liability company shall be awarded any contract nor shall any agreement be entered into for the performance of any work or the furnishing of any materials or supplies, unless prior to the receipt of the bid or proposal, or accompanying the bid or proposal of said corporation, said partnership, or said limited liability company there is submitted a statement setting forth the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be.

If one or more such stockholder or partner or member is itself a corporation or partnership or limited liability company, the stockholders holding 10 percent or more of that corporation's stock, or the individual partners owning 10 percent or greater interest in that partnership, or the members owning 10 percent or greater interest in that limited liability company, as the case may be, shall also be listed. The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member, exceeding the 10 percent ownership criteria established in this act, has been listed.

To comply with this section, a bidder with any direct or indirect parent entity which is publicly traded may submit the name and address of each publicly traded entity and the name and address of each person that holds a 10 percent or greater beneficial interest in the publicly traded entity as of the last annual filing with the federal Securities and Exchange Commission or the foreign equivalent, and, if there is any person that holds a 10 percent or greater

beneficial interest, also shall submit links to the websites containing the last annual filings with the federal Securities and Exchange Commission or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a 10 percent or greater beneficial interest."

The Attorney General has advised that the provisions of N.J.S.A. 52:25-24.2, which refer to corporations, partnerships, and limited liability corporations apply to all forms of business entities, including limited partnerships, limited liability partnerships, and Subchapter C and S corporations (Attorney General Opinion 02-0018, January 23, 2002 and 15-0021, May 8, 2015).

This Ownership Disclosure Certification form shall be completed, signed and notarized.

Failure of the bidder/proposer to submit the required information is cause for automatic rejection of the bid or proposal

Part I

Check the box that represents the type of business organization:

Sole Proprietorship (skip Parts II and III, sign and notarize at the end)

Non-Profit Corporation (skip Parts II and III, sign and notarize at the end)

Partnership Limited Partnership Limited Liability Partnership

Limited Liability Company

For-profit Corporation (including Subchapters C and S or

Professional Corporation) Other (be specific):

Part II



I certify that the list below contains the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be.

OR



I certify that no one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or that no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be.

Sign and notarize the form below, and, if necessary, complete the list below.

(Please attach additional sheets if more space is needed):

Name: _____

Name: _____

Address: _____

Address: _____

Name: _____

Name: _____

Address: _____

Address: _____

Name: _____

Address: _____

Part III - Any Direct or Indirect Parent Entity Which is Publicly Traded:

"To comply with this section, a bidder with any direct or indirect parent entity which is publicly traded may submit the name and address of each publicly traded entity and the name and address of each person that holds a 10 percent or greater beneficial interest in the publicly traded entity as of the last annual filing with the federal Securities and Exchange Commission or the foreign equivalent, and, if there is any person that holds a 10 percent or greater beneficial interest, also shall submit links to the websites containing the last annual filings with the federal Securities and Exchange Commission or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a 10 percent or greater beneficial interest."

Pages attached with name and address of each publicly traded entity as well as the name and address of each person that holds a 10 percent or greater beneficial interest.

OR

Submit here the links to the Websites (URLs) containing the last annual filings with the federal Securities and Exchange Commission or the foreign equivalent.

AND

Submit here the relevant page numbers of the filings containing the information on each person holding a 10 percent or greater beneficial interest.

Subscribed and sworn to before me this ____ day of
_____, 2 ____.

(Notary Public)

My Commission expires:

(Affiant)

(Print name of affiant and title if applicable)

(Corporate Seal if a
Corporation)

TOWNSHIP OF SOUTH BRUNSWICK

BID PROPOSAL FORM

To: Township of South Brunswick

The undersigned bidder declares he has read the notice to bidders, instructions to bidders and specifications attached, that he has determined the conditions affecting the bid and agrees, if this proposal is accepted, to furnish and deliver the following:

Current Model Ambulance

Package or Equal \$ _____

Make and Model _____

Delivery Date _____

Accompanying this proposal is a certified check in the amount of \$ _____ N/A _____, or a bid bond in the amount of \$ _____ N/A _____, payable to the Township of South Brunswick which has to be forfeited as liquidated damages if, in the event that this proposal is accepted, the undersigned shall fail to execute the contract or to furnish satisfactory bond as required.

Company _____

Address _____

Telephone _____

By _____

(Signature)

Name – Type or Print

Witness _____ Title _____

Date _____

On the attached sheet, please list three companies with whom your company has had business with in the past year and submit with bid proposal.

REFERENCES

Company Name: _____

Contact Name: _____

Address: _____

Phone Number: () _____

Company Name: _____

Contact Name: _____

Address: _____

Phone Number: () _____

Company Name: _____

Contact Name: _____

Address: _____

Phone Number: () _____

**TOWNSHIP OF SOUTH BRUNSWICK
 BID DOCUMENT CHECKLIST**

**Required by
 OWNER**

**Read, Signed
 & Submitted**

- | | | |
|-------------------------------------|--|--------------------------|
| <input checked="" type="checkbox"/> | Stockholders Disclosure Certification | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | Non-Collusion Affidavit | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | Bid Proposal Form | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | Affirmative Action Questionnaire | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | Non-Conflict of Interest | <input type="checkbox"/> |
| <input type="checkbox"/> | Public Works Contractor Registration | <input type="checkbox"/> |
| <input type="checkbox"/> | Bid Guarantee
(with Power of Attorney for full amount of Bid Bond) | <input type="checkbox"/> |
| <input type="checkbox"/> | Endorsement of Surety
(with Power of Attorney for full amount of Bid Price) | <input type="checkbox"/> |

Reviewed

- | | | |
|-------------------------------------|--|--------------------------|
| <input checked="" type="checkbox"/> | Business Registration Certificate | <input type="checkbox"/> |
| <input type="checkbox"/> | Prevailing Wage | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | Americans with Disabilities Act Language (Mandatory) | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | Affirmative Action Language (Mandatory) | <input type="checkbox"/> |

This form need not be submitted. It is provided for bidder's use in assuring compliance with all required documentation