Request for Proposal
RFP-4401-17-SH

AMBULANCE TYPE I-AD (Qty 3)

RESPONSES DUE:
October 17, 2017 prior to 2:30 P.M.
Accepting Electronic Responses Only
Responses Only Submitted Through the Rocky Mountain E-Purchasing System
http://www.bidnetdirect.com/colorado
(Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor MUST contact RMEPS to resolve issue prior to the response deadline. 800-835-4603)

PURCHASING REPRESENTATIVE:
Susan Hyatt
susanh@gjcity.org
970/244-1513

This solicitation has been developed specifically for a Request for Proposal intended to solicit competitive responses for this solicitation, and may not be the same as previous City of Grand Junction solicitations. All offerors are urged to thoroughly review this solicitation prior to submitting. Submittal by **FAX, EMAIL or HARD COPY IS NOT ACCEPTABLE** for this solicitation.

REQUEST FOR PROPOSAL

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REQUEST FOR PROPOSAL

SECTION 1.0: ADMINISTRATIVE INFORMATION & CONDITIONS FOR SUBMITTAL

1.1 Issuing Office: This Request for Proposal (RFP) is issued for the City of Grand Junction (Owner) on behalf of the Grand Junction Fire Department. All contact regarding this RFP is directed to:

RFP QUESTIONS:
Susan Hyatt
susanh@gjcity.org

1.2 Purpose: The purpose of this RFP is to obtain proposals from qualified firms to provide three (3) Type1-AD Ambulances F-550 (or equal) Super Cab or Crew Cab and a lease option for two (2) Ambulances for immediate delivery to be used until the new ambulances arrive.

1.3 The Owner: The Owner is the City of Grand Junction, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or his authorized representative.

1.4 Compliance: All participating Offerors, by their signature hereunder, shall agree to comply with all conditions, requirements, and instructions of this RFP as stated or implied herein. Should the Owner omit anything from this packet which is necessary to the clear understanding of the requirements, or should it appear that various instructions are in conflict, the Offeror(s) shall secure instructions from the Purchasing Division prior to the date and time of the submittal deadline shown in this RFP.

1.5 Submission: Please refer to section 5.0 for what is to be included. ***Each proposal shall be submitted in electronic format only through the Rocky Mountain E-Purchasing website,* http://www.bidnetdirect.com/colorado.** *This site offers both "free" and "paying" registration options that allow for full access of the Owner's documents and for electronic submission of proposals. (Note: "free" registration may take up to 24 hours to process. Please Plan accordingly.)* Please view our "**Electronic Vendor Registration Guide"** at www.gjcity.org/business-and-economic-development/bids for details. **The uploaded response to this RFP shall be a single PDF document with all required information included.** For proper comparison and evaluation, the City requests that proposals be formatted as directed in Section 5.0 "Preparation and Submittal of Proposals." Submittals received that fail to follow this format may be ruled non-responsive.

1.6 Altering Proposals: Any alterations made prior to opening date and time must be initialed by the signer of the proposal, guaranteeing authenticity. Proposals cannot be altered or amended after submission deadline.

1.7 Withdrawal of Proposal: A proposal must be firm and valid for award and may not be withdrawn or canceled by the Offeror prior to the sixty-first (61st) day following the

submittal deadline date and only prior to award. The Offeror so agrees upon submittal of their proposal. After award this statement is not applicable.

1.8 Acceptance of Proposal Content: The contents of the proposal of the successful Offeror shall become contractual obligations if acquisition action ensues. Failure of the successful Offeror to accept these obligations in a contract shall result in cancellation of the award and such vendor shall be removed from future solicitations.

1.9 Exclusion: No oral, telegraphic, or telephonic proposals shall be considered.

1.10 Addenda: All Questions shall be submitted in writing to the appropriate person as shown in Section 1.1. Any interpretations, corrections and changes to this RFP or extensions to the opening/receipt date shall be made by a written Addendum to the RFP by the City Purchasing Division. Sole authority to authorize addenda shall be vested in the City of Grand Junction Purchasing Representative. Addenda will be issued electronically through the Rocky Mountain E-Purchasing website at www.bidnetdirect.com/colorado. Offerors shall acknowledge receipt of all addenda in their proposal.

1.11 Exceptions and Substitutions: All proposals meeting the intent of this RFP shall be considered for award. Offerors taking exception to the specifications shall do so at their own risk. The Owner reserves the right to accept or reject any or all substitutions or alternatives. When offering substitutions and/or alternatives, Offeror must state these exceptions in the section pertaining to that area. Exception/substitution, if accepted, must meet or exceed the stated intent and/or specifications. The absence of such a list shall indicate that the Offeror has not taken exceptions, and if awarded a contract, shall hold the Offeror responsible to perform in strict accordance with the specifications or scope of work contained herein.

1.12 Confidential Material: All materials submitted in response to this RFP shall ultimately become public record and shall be subject to inspection after contract award. "**Proprietary or Confidential Information"** is defined as any information that is not generally known to competitors and which provides a competitive advantage. Unrestricted disclosure of proprietary information places it in the public domain. Only submittal information clearly identified with the words "***Confidential Disclosure***" and uploaded as a separate document shall establish a confidential, proprietary relationship. Any material to be treated as confidential or proprietary in nature must include a justification for the request. The request shall be reviewed and either approved or denied by the Purchasing Supervisor. If denied, the proposer shall have the opportunity to withdraw its entire proposal, or to remove the confidential or proprietary restrictions. Neither cost nor pricing information nor the total proposal shall be considered confidential or proprietary.

1.12 Response Material Ownership: All proposals become the property of the Owner upon receipt and shall only be returned to the proposer at the Owner's option. Selection or rejection of the proposal shall not affect this right. The Owner shall have the right to use all ideas or adaptations of the ideas contained in any proposal received in response to this RFP, subject to limitations outlined in the section 1.12 entitled "Confidential Material". Disqualification of a proposal does not eliminate this right.

1.13 Minimal Standards for Responsible Prospective Offerors: A prospective Offeror must affirmably demonstrate their responsibility. A prospective Offeror must meet the following requirements:

- Have adequate financial resources, or the ability to obtain such resources as required.
- Be able to comply with the required or proposed completion schedule.
- Have a satisfactory record of performance.
- Have a satisfactory record of integrity and ethics.
- Be otherwise qualified and eligible to receive an award and enter into a contract with the Owner.

1.14 Open Records: Proposals shall be received and publicly acknowledged at the location, date, and time stated herein. Offerors, their representatives and interested persons may be present. Proposals shall be received and acknowledged only so as to avoid disclosure of process. However, all proposals shall be open for public inspection after the contract is awarded. Trade secrets and confidential information contained in the proposal so identified by offer as such shall be treated as confidential by the Owner to the extent allowable in the Open Records Act.

1.15 Sales Tax: City of Grand Junction is, by statute, exempt from the State Sales Tax/Use Tax and Federal Excise Tax; therefore, all fees shall not include taxes.

1.16 Public Opening: Proposals shall be opened in the City Hall Auditorium immediately following the proposal deadline. Offerors, their representatives and interested persons may be present. Only the names and locations on the proposing firms will be disclosed.

SECTION 2.0: GENERAL CONTRACT TERMS AND CONDITIONS

2.1. Acceptance of RFP Terms: A proposal submitted in response to this RFP shall constitute a binding offer. Acknowledgment of this condition shall be indicated on the Letter of Interest or Cover Letter by the autographic signature of the Offeror or an officer of the Offeror legally authorized to execute contractual obligations. A submission in response to the RFP acknowledges acceptance by the Offeror of all terms and conditions including compensation, as set forth herein. An Offeror shall identify clearly and thoroughly any variations between its proposal and the Owner's RFP requirements. Failure to do so shall be deemed a waiver of any rights to subsequently modify the terms of performance, except as outlined or specified in the RFP.

2.2. Execution, Correlation, Intent, and Interpretations: The Contract Documents shall be signed in not less than triplicate by the Owner (Owner) and Contractor. Owner will provide the contract. By executing the contract, the Contractor represents that he/she has visited the site, familiarized himself with the local conditions under which the Work is to be performed, and correlated his observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by any one, shall be as binding as if required by all. The intention of the documents is to include all labor, materials, equipment and other items necessary for the proper execution and completion of the scope of work as defined in the technical specifications and drawings contained herein. All drawings, specifications and copies furnished by the Owner are,

and shall remain, Owner property. They are not to be used on any other project, and with the exception of one contract set for each party to the contract, are to be returned to the owner on request at the completion of the work.

2.3. Permits, Fees, & Notices: The Contractor shall secure and pay for all permits, governmental fees and licenses necessary for the proper execution and completion of the work. The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations and orders of any public authority bearing on the performance of the work. If the Contractor observes that any of the Contract Documents are at variance in any respect, he shall promptly notify the Owner in writing, and any necessary changes shall be adjusted by approximate modification. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Owner, he shall assume full responsibility and shall bear all costs attributable.

2.4. Amendment: No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All amendments to the contract shall be made in writing by the Owner Purchasing Division.

2.5. Assignment: The Offeror shall not sell, assign, transfer or convey any contract resulting from this RFP, in whole or in part, without the prior written approval from the Owner.

2.6. Compliance with Laws: Proposals must comply with all Federal, State, County and local laws governing or covering this type of service and the fulfillment of all ADA (Americans with Disabilities Act) requirements.

2.7. Confidentiality: All information disclosed by the Owner to the Offeror for the purpose of the work to be done or information that comes to the attention of the Offeror during the course of performing such work is to be kept strictly confidential.

2.8. Conflict of Interest: No public official and/or Owner employee shall have interest in any contract resulting from this RFP.

2.9. Contract: This Request for Proposal, submitted documents, and any negotiations, when properly accepted by the Owner, shall constitute a contract equally binding between the Owner and Offeror. The contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either written or oral, including the Proposal documents. The contract may be amended or modified with Change Orders, Field Orders, or Addendums.

2.10. Project Manager/Administrator: The Project Manager, on behalf of the Owner, shall render decisions in a timely manner pertaining to the work proposed or performed by the Offeror. The Project Manager shall be responsible for approval and/or acceptance of any related performance of the Scope of Services.

2.11. Contract Termination: This contract shall remain in effect until any of the following occurs: (1) contract expires; (2) completion of services; (3) acceptance of services or, (4) for convenience terminated by either party with a written *Notice of Cancellation*

stating therein the reasons for such cancellation and the effective date of cancellation at least thirty days past notification.

2.12. Employment Discrimination: During the performance of any services per agreement with the Owner, the Offeror, by submitting a Proposal, agrees to the following conditions:

2.12.1. The Offeror shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, disability, citizenship status, marital status, veteran status, sexual orientation, national origin, or any legally protected status except when such condition is a legitimate occupational qualification reasonably necessary for the normal operations of the Offeror. The Offeror agrees to post in conspicuous places, visible to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

2.12.2. The Offeror, in all solicitations or advertisements for employees placed by or on behalf of the Offeror, shall state that such Offeror is an Equal Opportunity Employer.

2.12.3. Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

2.13. Immigration Reform and Control Act of 1986 and Immigration Compliance: The Offeror certifies that it does not and will not during the performance of the contract employ illegal alien workers or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or the immigration compliance requirements of State of Colorado C.R.S. § 8-17.5-101, *et.seq.* (House Bill 06-1343).

2.14. Ethics: The Offeror shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official, or agent of the Owner.

2.15. Failure to Deliver: In the event of failure of the Offeror to deliver services in accordance with the contract terms and conditions, the Owner, after due oral or written notice, may procure the services from other sources and hold the Offeror responsible for any costs resulting in additional purchase and administrative services. This remedy shall be in addition to any other remedies that the Owner may have.

2.16. Failure to Enforce: Failure by the Owner at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of the Owner to enforce any provision at any time in accordance with its terms.

2.17. Force Majeure: The Offeror shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the Offeror, unless otherwise specified in the contract.

2.18. Indemnification: Offeror shall defend, indemnify and save harmless the Owner, State of Colorado, and all its officers, employees, insurers, and self-insurance pool, from and against all liability, suits, actions, or other claims of any character, name and description

brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the Offeror, or of any Offeror's agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from proposal award. Offeror shall pay any judgment with cost which may be obtained against the Owner growing out of such injury or damages.

2.19. Independent Firm: The Offeror shall be legally considered an Independent Firm and neither the Firm nor its employees shall, under any circumstances, be considered servants or agents of the Owner. The Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Firm, its servants, or agents. The Owner shall not withhold from the contract payments to the Firm any federal or state unemployment taxes, federal or state income taxes, Social Security Tax or any other amounts for benefits to the Firm. Further, the Owner shall not provide to the Firm any insurance coverage or other benefits, including Workers' Compensation, normally provided by the Owner for its employees.

2.20. Nonconforming Terms and Conditions: A proposal that includes terms and conditions that do not conform to the terms and conditions of this Request for Proposal is subject to rejection as non-responsive. The Owner reserves the right to permit the Offeror to withdraw nonconforming terms and conditions from its proposal prior to a determination by the Owner of non-responsiveness based on the submission of nonconforming terms and conditions.

2.21. Ownership: All plans, prints, designs, concepts, etc., shall become the property of the Owner.

2.22. Oral Statements: No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in this document and/or resulting agreement. All modifications to this request and any agreement must be made in writing by the Owner.

2.23. Patents/Copyrights: The Offeror agrees to protect the Owner from any claims involving infringements of patents and/or copyrights. In no event shall the Owner be liable to the Offeror for any/all suits arising on the grounds of patent(s)/copyright(s) infringement. Patent/copyright infringement shall null and void any agreement resulting from response to this RFP.

2.24. Remedies: The Offeror and Owner agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

2.25. Venue: Any agreement as a result of responding to this RFP shall be deemed to have been made in, and shall be construed and interpreted in accordance with, the laws of the City of Grand Junction, Mesa County, Colorado.

2.26. Expenses: Expenses incurred in preparation, submission and presentation of this RFP are the responsibility of the company and cannot be charged to the Owner.

2.27. Sovereign Immunity: The Owner specifically reserves its right to sovereign immunity pursuant to Colorado State Law as a defense to any action arising in conjunction to this agreement.

2.28. Public Funds/Non-Appropriation of Funds: Funds for payment have been provided through the City of Grand Junction budget approved by the City Council for the stated fiscal year only. State of Colorado statutes prohibit the obligation and expenditure of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated orders or other obligations that may arise past the end of the stated City of Grand Junction fiscal year shall be subject to budget approval. Any contract will be subject to and must contain a governmental non-appropriation of funds clause.

2.29. Collusion Clause: Each Offeror by submitting a proposal certifies that it is not party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any and all proposals shall be rejected if there is evidence or reason for believing that collusion exists among the proposers. The Owner may or may not, at the discretion of the Owner Purchasing Representative, accept future proposals for the same service or commodities for participants in such collusion.

2.30. Gratuities: The proposer certifies and agrees that no gratuities, kickbacks or contingency fees were paid in connection with this contract, nor were any fees, commissions, gifts or other considerations made contingent upon the award of this contract. If the proposer breaches or violates this warranty, the Owner may, at their discretion, terminate this contract without liability to the Owner.

2.31. Safety Warranty: Offeror also warrants that the services performed shall conform to the standards declared by the US Department of Labor under the Occupational Safety and Health Act of 1970.

2.32. OSHA Standards: All Offerors agree and warrant that services performed in response to this invitation shall conform to the standards declared by the US Department of Labor under the Occupational Safety and Health Act of 1970 (OSHA). In the event the services do not conform to OSHA Standards, the Owner may require the services to be redone at no additional expense to the Owner.

2.33. Performance of the Contract: The Owner reserves the right to enforce the performance of the contract in any manner prescribed by law or deemed to be in the best interest of the Owner in the event of breach or default of resulting contract award.

2.34. Benefit Claims: The Owner shall not provide to the Offeror any insurance coverage or other benefits, including Worker's Compensation, normally provided by the Owner for its employees.

2.35. Default: The Owner reserves the right to terminate the contract immediately in the event the Offeror fails to meet delivery or completion schedules, or otherwise perform in accordance with the accepted proposal. Breach of contract or default authorizes the Owner to purchase like services elsewhere and charge the full increase in cost to the defaulting Offeror.

2.36. Multiple Offers: Proposers must determine for themselves which product to offer. If said proposer chooses to submit more than one offer, THE ALTERNATE OFFER must be clearly marked "Alternate Proposal". The Owner reserves the right to make award in the best interest of the Owner.

2.37. Cooperative Purchasing: Purchases as a result of this solicitation are primarily for the Owner. Other governmental entities may be extended the opportunity to utilize the resultant contract award with the agreement of the successful provider and the participating agencies. All participating entities will be required to abide by the specifications, terms, conditions and pricings established in this Proposal. The quantities furnished in this proposal document are for only the Owner. It does not include quantities for any other jurisdiction. The Owner will be responsible only for the award for our jurisdiction. Other participating entities will place their own awards on their respective Purchase Orders through their purchasing office or use their purchasing card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The Owner accepts no liability for payment of orders placed by other participating jurisdictions that choose to piggy-back on our solicitation. Orders placed by participating jurisdictions under the terms of this solicitation will indicate their specific delivery and invoicing instructions.

2.38. Definitions:

2.38.1. "Contractor" refers to the person, partnership, firm or corporation entering into an Agreement with the Owner for the services required and the legal representatives of said party or the agent appointed to act for said party in the performance of the service(s) contracted for.

2.38.2. "Offeror" refers to the person or persons legally authorized by the Consultant to make an offer and/or submit a bid (fee) proposal in response to the Owner's RFP.

2.38.3. The term "Work" includes all labor necessary to produce the requirements by the Contract Documents, and all materials and equipment incorporated or to be incorporated in such construction.

2.38.4. "Owner" is the City of Grand Junction, Colorado and is referred to throughout the Contract Documents. The term Owner means the Owner or his authorized representative. The Owner shall, at all times, have access to the work wherever it is in preparation and progress. The Contractor shall provide facilities for such access. The Owner will make periodic visits to the site to familiarize himself generally with the progress and quality of work and to determine, in general, if the work is proceeding in accordance with the contract documents. Based on such observations and the Contractor's Application for Payment, the Owner will determine the amounts owing to the Contractor and will issue Certificates for Payment in such amounts, as provided in the contract. The Owner will have authority to reject work which does not conform to the Contract documents. Whenever, in his reasonable opinion, he considers it necessary or advisable to insure the proper implementation of the intent of the Contract Documents, he will have authority to require the Contractor to stop the work or any portion, or to require special inspection or testing of the work, whether or not such work can be then be fabricated, installed, or completed. The Owner will not be responsible for the acts or omissions of the Contractor,

and sub-Contractor, or any of their agents or employees, or any other persons performing any of the work.

2.38.5. "Contractor" is the person or organization identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or his authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency or omission he may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies or omissions. The Contractor shall not commence work without clarifying Drawings, Specifications, or Interpretations.

2.38.6. "Sub-Contractor is a person or organization who has a direct contract with the Contractor to perform any of the work at the site. The term sub-contractor is referred to throughout the contract documents and means a sub-contractor or his authorized representative.

2.39 Public Disclosure Record: If the bidder has knowledge of their employee(s) or sub-Bidders having an immediate family relationship with a Owner employee or elected official, the bidder must provide the Purchasing Representative with the name(s) of these individuals. These individuals are required to file an acceptable "Public Disclosure Record", a statement of financial interest, before conducting business with the Owner.

2.40 Keep Jobs in Colorado Act: Developer shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes requiring 80% Colorado labor to be employed on public works projects. Developer shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a). If Developer claims it is entitled to a waiver pursuant to C.R.S. §8-17-101(1), Developer shall state that there is insufficient Colorado labor to perform the work such that compliance with Article 17 would create an undue burden that would substantially prevent a project from proceeding to completion, and shall include evidence demonstrating the insufficiency and undue burden in its response.

Unless expressly granted a waiver by the Owner pursuant to C.R.S. §8-17-101(1), Developer shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes requiring 80% Colorado labor to be employed on public works. Developer shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a).

"Public Works project" is defined as:

(a) any construction, alteration, repair, demolition, or improvement of any land, building, structure, facility, road, highway, bridge, or other public improvement suitable for and intended for use in the promotion of the public health, welfare, or safety and any maintenance programs for the upkeep of such projects

(b) for which appropriate or expenditure of moneys may be reasonably expected to be $500,000.00 or more in the aggregate for any fiscal year

(c) except any project that receives federal moneys.

SECTION 3.0: SPECIAL INSTRUCTIONS

3.1 **Intent:** It is the intent of this specification to provide for the purchase of three (3) Type I-AD Ambulances. The City is also interested in leasing two (2) ambulances for immediate delivery to be used until delivery of new units is complete. It is the intent of these specifications to cover the furnishings and delivery to the City of Grand Junction; two complete apparatus equipped as hereinafter specified.

Grant Appropriation: Partial funding for one (1) of the three (3) ambulances is provided by the state of Colorado. Ambulance purchased through the grant shall be delivered prior to June 29, 2018.

3.2 **Equivalent Product:** Proposals will be accepted for consideration on any make or model that is equal to the product utilized in the Specifications. Decisions of equivalency will be at the sole interpretation of the City of Grand Junction. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit are to be submitted with the proposal. Vendor must be prepared to demonstrate a unit similar to the one proposed, if requested.

3.3 **Brand Names or Equal:** Whenever in this solicitation any particular materials, process, mechanism, and/or equipment are indicated, described or specified by patent, proprietary, or brand name, or by name of manufacturer, such wording will be deemed to be used for the purpose of facilitating minimum acceptable requirements and will be deemed to be followed by the words, “or equivalent.” Proof satisfactory to the City must be provided by offeror to show that the alternative product/equipment/vehicle is in fact, equal to specification requirements.

Quotes for similar manufactured items of like quality will be considered if the quote is fully noted with the manufacturer’s brand name and model. The City of Grand Junction reserves the right to determine products of equal value. Vendors will not be allowed to make unauthorized substitutions after award is made.

3.3 **Delivery Date:** All Proposals must be submitted with a delivery date. Prior to delivery, new equipment/vehicle must be completely serviced in accordance with standard new vehicle “Make Ready” and to the manufacturer’s specifications.

3.4 **Delivery**: All costs for delivery of the new unit will be assumed by the vendor and included in the net price. Unless stated elsewhere in this Proposal document, all deliveries will be made to City of Grand Junction, Fleet Division, 333 West Ave, Bldg C, Grand Junction, CO 81501. **Delivery is critical to this solicitation and will weigh heavily in the evaluation of Proposals received.**

3.5 **Trade-In Equipment:** When trade-ins (equipment and/or rolling stock) are presented in the bid specifications, the City reserves the right to reject any or all offers. Allowance for trade-in(s) will be deducted from the full purchase price in computing the net purchase price. All trade- in(s) are offered “as is, with no guarantee or warranty—either implied or expressed—of any kind. Trade-in(s) will not be available until the receipt and

acceptance of the new unit unless agreed to by the City of Grand Junction's Senior Buyer. Trade-in(s) will be in the condition and appearance as appraised by the Bidder on or before the deadline for receipt of bids as set forth in the Invitation for Bids, except for normal wear and tear. Any damage such as collision, fire or vandalism, shall be cause for renegotiation or the Bidder's withdrawal of the trade-in offer.

It is the policy of the City of Grand Junction's Fleet Division to maintain vehicles that continue to be used in the same condition as when offered for trade. Cracked or pitted glass will not be replaced unless defects obscure the vision of the driver.

It will be the responsibility of the bidder to examine the condition of the vehicles offered for trade before bidding. No complaint on adverse conditions over and above normal wear and tear will be considered.

Trade-in vehicles will not be available to the vendor until the new replacement unit is placed into active service, after all accessories have been installed and tested. Vehicles are normally traded with the same equipment as when purchased. Unless it is specifically stated on the bid invitation, none of the special equipment or attachments which may be on the vehicle at the time of appraisal will be included with the trade-in. This may apply but is not limited to utility bodies, winches, special hitches, carrying racks, warning lights, two-way radios, sirens etc.

To view the trade-in contact Tim Barker at 970-244-1532 or timba@gjcity.org.

3.6 **Taxes & Final Payment:** Prices quoted shall exclude Federal Excise, State Tax and Use Tax. Prices quoted shall be F.O.B. City of Grand Junction, CO 81501. Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt #98-903544. Final payment for equipment and vehicles delivered under these specifications will not be made until all terms and conditions have been satisfied.

3.7 **Repair & Parts Manuals:** An Operators, Repair, Emissions, Electrical and Parts Manual will be supplied with each new unit. Manuals must be received prior to payment. Whenever available, the City prefers one manual in electronic format.

3.8 **Manufacturer's Statement of Origin:** The new Unit shall be delivered with the Manufacturer's Statement of Origin (MSO). Failure to provide MSO shall be grounds to refuse to accept vehicle.

3.9 **Title:** The awarded supplier shall provide Title work for the new vehicle within 10 days after the receipt of payment from the Owner. Mail or deliver the Title to: Fleet Division, 333 West Ave, Bldg C, Grand Junction, CO 81501. If a problem arises in obtaining the Title within the 10-day window, contact Tim Barker in Fleet Division at (970)-244-1532, or via e-mail timba@gjcity.org. **Name on the title shall read: "City of Grand Jctn".**

SECTION 4.0: SPECIFICATIONS

4.1 RFP Tentative Time Schedule:

Request for Proposal available on or about	September 27, 2017
Inquiry deadline, no questions after this date	October 10, 2017 at 12:00 PM
Final Addendum Issued (if needed)	October 16, 2017
Submittal deadline for proposals	October 24, 2017 prior to 2:30 PM
Owner evaluation of proposals	October 25-November 8, 2017
City Council approval (if needed)	December 6, 2017
Purchase Order issued (if approved)	December 7, 2017

4.2 Specification/Compliance Form: Include this entire Specification Form with your Proposal.

SPECIFICATIONS FOR Three (3) Current Year, Type I-AD Ambulances
All specifications must be met or exceed the following or your bid shall be considered non-responsive. Include factory summary with your proposal.

	SPECIFICATION	Meets	Does Not Meet	Comments
1	**2017, or 2018 550 or 5500 series pickup style:** Ambulance Prep Package, (No Driving Lights)			
2	**GVWR:** 18,000 lbs Minimum to 20,000 lbs Maximum. Wheelbase: and cab to axle measurement shall be appropriate to insure proper load distribution as determined by the builder. The body builder is responsible for working with chassis manufacturer in determining what is necessary for proper, safe operation of finished product			
3	**Transmission: Heavy duty automatic**- front axle will be minimum 7,000 pound; rear axle will be minimum 11,000 pound			
4	**Powertrain:** Gasoline engine (6 to 6.8 Liter range),			
5	**Tire Chains:** Tire chains shall be provided to fit supplied tires			
6	**Fuel tank** aft of rear axle. State size in Comments section			_____ gal tank.
7	**Painted Steel or Polished Aluminum wheels.** Chrome wheel simulators will not be accepted.			
8	**Spare Tire** – ship loose			
9	**Door Mirrors –**mirrors shall be located on each door of the cab and shall include a blind-spot mirror. Remote controls with heaters. Red/Blue flashing lights on end.			
10	**Am-FM Radio w/Cab Speakers** with a digital clock			
11	**Throttle Manager:** A low voltage throttle manager shall be installed as part of the ambulance package. Al safety interlocks must be in place for the manual throttle to activate the high idle function.			
12	**Remote Control Search Light** There shall be one (1) Golight model 2020 or equal permanent mount search light installed on the apparatus. Location shall be determined at prebuild. The light shall provide 400,000 candle power of light			

	SPECIFICATION	Meets	Does Not Meet	Comments
	output from a weather resistant halogen bulb. The light shall be capable of 370° rotation and 120° tilt. The light shall be equipped with hard wired remote controls located in the chassis cab on the passenger side.			
13	**Custom Floor Console:** A custom driver's control panel console shall be installed. This console shall be designed to allow easy access from either cab seat. This console shall be sturdy construction and a color coordinated. The console shall include a switch and siren area, radio control area, and map storage.			
14	**Engine Hour Meter:** An engine hour meter shall be incorporated in the factory gauge panel, or mounted on the driver's side of the custom console			
15	**Flexible Shaft Map Light** shall be mounted on the passenger's side of dash			
16	**Batteries in Slide Out Compartment** equipped with matching dual batteries, minimum 750-CCA each, located in compartment with a hinged style door, and mounted on a separate slide out tray. The compartment is to be sealed off from the patient compartment, exterior compartments and cab. Battery cables shall be run in flexible conduit and no longer in length than necessary and a minimum of 1/0 gauge in size			
17	**Debris/Bug Shield** deflector type mounted on hood of chassis			
18	**Two (2) each - 5 Lb. Fire Extinguisher** (3A: 40-B C Rated)			
19	**Rubberized Cab Flooring** or equivalent. Shall be easy to clean/disinfect and survive high traffic movement. Shall maintain traction when wet.			
20	**Modular Body Type I-AD** all body panels, structures, and extrusions shall be fabricated of ALL ALUMNIMUM construction using alloys consistent with the load requirements of the vehicle. Exterior body sides and ends shall be fabricated from .125" thickness 5052-H32 single flat sheet aluminum a highly corrosive resistant marine grade alloy with 2.5% magnesium and having a tensile strength range of 31,00 to 35,000 P.S.I. All exterior aluminum body panels shall be attached using a perimeter weld and high performance polyurethane two sided tape on the interior supports.			
21	**Suspension/Drop System:** Please state which type of drop system is available on manufacturer's unit. (Liquid suspension is preferred, please see *Optional Specification Items*, Section 6.3.)			Type of system standard on unit: _____
22	**Framing**: Body wall vertical framing shall consist of 2" x 2" x .125" and 2" x 3" x .125" aluminum extruded tubing of 6063-T6 alloy. A minimum 2" x 3" x .125" aluminum tube shall be installed fore and aft of the rear wheel well housings and at the rear of the module. A horizontal 2" x 3" x .125" extruded tube shall be utilized at the lower edge. A 2" x 2" x .125" tube shall be utilized as a minimum at the			

	SPECIFICATION	Meets	Does Not Meet	Comments
	midline of all walls to provide superior impact protection. Each side wall shall have at a minimum six horizontal tube supports. Vertical aluminum radius-type corner extrusions, of a hollow core design, utilizing 6063 T5 alloy, which interlock with the body side sheets and vertical framing shall be utilized. These corner post extrusions must include an integral X-frame running full length of the extrusion for added impact resistance. 2” x 2” x .125” and 2” x 3” x .125” (where applicable) extruded tubes shall be welded to the outside of the X-frame on either side of the corner post extrusion to complete a 7.5” radius corner post design. Compartment and patient door jamb framing shall be made from a minimum 2" x2" x .125" 6063-T5 extrusions. At the rear of the body a minimum 2" x 3" x .125" 6063-T5 extrusion shall be used. The exterior lip will be flush with the exterior wall skin when installed. The door frame extrusion will be continuously welded to the wall skin and the minimum two-inch square framing extrusion around the exterior perimeter. The door jamb trim shall also be welded on the interior side where each door pin is located. All seams shall be sealed and caulked.			
23	**Roof:** The roof shall be one piece .090 sheet, 5052-H32 alloy, which is supported by a grid consisting of a minimum 4" x 2" x .150" channel with .230" flanges running longitudinally and 4" x 2" x .125 "hat channels extending transversely from the longitudinal channel to the roof frame extrusions. These hat channels shall be spaced no more than 18" apart. The minimum 4" x 2" x .150" center spine channel shall also function as a wiring raceway. Aluminum plates shall be welded between each "hat channel" to provide support for all ceiling mounted hardware. The roof frame extrusions and corner extrusions shall be the reinforced type, hollow core design. All roof rail extrusions shall be 6061-T6 alloy. No radius corners consisting of a rolled sheet will be accepted. The roof extrusions shall incorporate a drip rail on all four sides of the body. The roof shall be crowned 1/2" to facilitate water run-off. The roof sheet shall interlock with the roof frame extrusions. The roof shall be insulated with two-inch plank foam and include a four millimeter vapor barrier. Interlocking and Insulated Modular Floor Base The floor shall be engineered using interlocking .125" 6063-T6 alloy aluminum extrusions set at a 90-degree angle from the frame rails thereby minimizing the twist felt in parallel mounting systems. These extrusions shall form a full two-inch-thick sub floor. The .125 floor extrusion shall consist of a "C" channel with hollow "V" joint receptacle on one end and an extruded solid "V" edge which mates with the hollow "V" receptacle on the adjoining extrusion. When the solid "V" edge of one piece is inserted into the hollow "V" receptacle of another, the toothed leg shall lock to form one side of the 2" tubular frame. These integrated extrusions			

	SPECIFICATION	Meets	Does Not Meet	Comments
	shall form the sub floor with interlocking 2 x 2 tubes every ten inches. A minimum 2 x 3 aluminum angle shall run lengthwise and be welded to each interlocking extrusion. The floor extrusion shall be welded both on top and on the bottom. The voids between the 2" x 2" frame members shall be filled with 2" foam plank insulation. To help dissipate noise and temperatures. The bottom side of the sub floor shall be covered by a sheet of .050" aluminum with sealed seams and then undercoated, thus providing a smooth 2" thick integrally insulated double aluminum floor. Insulation sprayed directly onto the underside of the floor shall not be acceptable.			
24	**Modular Body Warranty** A lifetime, modular body structural, warranty. (Lifetime is defined as no maximum mileage or time limit). Modular body construction methods and materials must be certified in compliance with AMD Standard 001, "Static load test for ambulance body structure".			
25	**Undercoating** after the body is assembled, all under body surfaces are to be heavily coated with automotive grade petroleum based undercoating to protect against road salts and to provide additional sound deadening			
26	**Finished Headroom the** interior of the patient compartment will provide no less than 72 inches of finished headroom from floor to ceiling.			
27	**Bulkhead Wall Recessed** the cab to module bulkhead wall shall be recessed a minimum of six inches and made of a five-ply marine-grade plywood. It shall then be covered with a 050" aluminum panel wrapped in heavy-duty vinyl			
28	**Cab to Module Sliding Walk-Thru Door** chassis cab to modular body walk through entrance to the patient compartment shall be provided. It shall be a minimum of 36” high by 18” wide. This entrance shall have a sliding door that latches open and closed only from the cab side. The door shall have a window. A track shall provide rattle free operation. The door shall be lockable from the cab side. The “walkthrough” shall have a weatherproof, windproof seal or boot between chassis cab and patient module.			
29	**Standard Body Intake and Exhaust Vents** There shall be a minimum of three Perko style intake and exhaust vents (or equivalent) mounted high on the ambulance body.			
30	**3 Piece Cast Aluminum Wheel Well Trim Rings** CPI polished, solid, cast aluminum, three-piece fenderettes installed around the rear body cutout above the rear wheels. Housings shall attach to the modular body utilizing stainless steel bolts with barrier tape and "ECK" applied between the dissimilar metals. Fasteners shall not be exposed. (**FORMED SHEET METAL, RUBBER, OR FIBERGLASS FENDERS ARE NOT ACCEPTABLE)**			
31	**Standard Cast Fuel Fill Housing** the OEM fuel-fill assemblies shall be utilized. A cast aluminum fuel fill			

	SPECIFICATION	Meets	Does Not Meet	Comments
	protector shall be recessed into the body above and behind the street side rear wheel well			
32	**2 Red Reflectors on Each Module Entry Door** model number B491R red reflectors (or equivalent) mounted on each module entry door			
33	**Combination Extruded/Pan Formed Module Entry Doors** there shall be entry doors on the curbside and the rear of the patient compartment. The entry doors shall be recessed into the extruded frame. The entry doors shall be of an extruded pan formed labyrinth style. They shall be a minimum of three inches thick. In addition to the extrusions reinforcing each outer door pan, the extrusions themselves shall be reinforced through a dual joining method. Each mitered corner, where the framed corners join, shall be fitted with an angled gusset and an exterior .125 door pan. The entire corner shall then be welded and finished smooth. All doors shall include a 2" foam plank insulation and a four mil. Vapor barrier. Doors that employ square tube and box pan sheet construction are not acceptable.			
34	**Protective Padding** protective pads directly above the side and rear doors. These pads shall be a minimum of 2" thick and shall be constructed of high-density foam and heavy-duty vinyl. No piping shall be used and all seams shall be sealed to repel contaminates. The cushions shall be installed with industrial grade plastic hook and loop Velcro allowing easy removal for cleaning.			
35	**Insulation** all entrance doors shall be fully insulated with 2" foam plank insulation. Entrance doors shall also be finished with a 4-mil polyethylene vapor barrier.			
36	**Door Seals must** be EPDM hollow core and provide a 360-degree uninterrupted seal with a full 1/2" of compression. Door latches shall be inboard of the seal, therefore protecting latches from dirt, moisture, and weather deterioration. Seals shall be mounted in a way to protect them from abuse. All door latch nadar pins shall be adjustable. Inner and outer sills of the entrance doorframes shall be trimmed with formed, brushed stainless steel plates to protect painted surfaces. They shall be applied with adhesives. No mechanical fasteners may be used. **NO EXCEPTION ALLOWED**.			
37	**Door Hardware** each modular body entrance door shall meet or exceed latching standard FMVSS 206. Each rotary latch shall close on a post (nadar pin) mounted to the doorframe extrusion. A minimum 2" x 2" x .125" frame member shall be placed behind the extrusion for positive two-point latching. Both rear doors must latch onto the doorframe. All door latch posts shall be adjustable. A continuous Clean Seal #50512 door gasket or equivalent shall be installed 360 degrees around the entire door. Stainless steel sill plates shall be installed on all inner and outer doorsills.			

	SPECIFICATION	Meets	Does Not Meet	Comments
	Each door shall have a continuous three-inch stainless steel hinge with a .250" pin. Hinges shall be slotted for adjustment and attached to the door with .250" stainless steel bolts for easy removal. Hinges shall be bolted to the module body frame and the door. The use of rivets or self-taping screws/bolts will not be acceptable. A dielectric barrier to include "Eck" and anti-corrosive tape shall be provided between the hinge and the door-frame.			
38	**Full Height Side Entry Door with Hold-Open** The side entrance door shall be equipped with a heavy-duty hold open device that shall hold the door open at 90 degrees			
39	**Side Entry Door Threshold with Non-Slip** material for the side patient entry door shall have a threshold with high traffic non-slip material installed.			
40	**Sliding Side Entry Door Window** Side entry door shall be equipped with a sliding, dark tinted safety plate window in an aluminum frame			
41	**Rear Doors with Grabber Style Hold-Opens** The ambulance module shall have a minimum of 56 inches of pass thru height at rear doors. The rear doors shall also have Grabber style hold opens with replaceable rubber catches. The Cast Products "Grabber" style hold opens shall be installed on each door with the appropriate socket being installed on the rear body wall attached to a 2 x 2 aluminum support tube.			
42	**Fixed Rear Entry Door Windows Rear** entry doors shall be equipped with a manufacture sized 16" x 20" non-opening, dark tinted safety plate window in an aluminum frame.			
43	**Exterior Assist Rail on Side and Rear Entry Doors** Both rear doors and the side patient door shall be equipped with exterior chrome assist handles			
44	**Door Latches** Doors handles shall permit a gloved or wet hand to easily grip the handle. The right rear and side entrance doors shall be lockable from inside or outside. There shall be a rubber gasket installed between the handle and the door. All screws shall be coated with an anti-corrosive paste prior to application. All entrance doors and exterior compartment doors shall be keyed alike and shall lock/unlock with the use of cab door lock controls.			
45	**Secondary Rear Door Exterior Latch** The secondary rear door shall have both an interior and exterior latch.			
46	**Shielded Cable Activated Module/Compartment Door Latches All** exterior module doors shall have a pre stressed shielded cable as the means to activate door latches and door rotaries'. The shielded cable shall have machine crimped ends. The ends shall be crimped at a 100 psi setting and be subject to a minimum 175 peak load, lb. "Loctite" shall be applied on both ends.			
47	**Cage Nuts on All Door Panels** all module door interior panels shall be installed using stainless steel, fine thread, flathead machine screws and cage nuts. All areas that will			

	SPECIFICATION	Meets	Does Not Meet	Comments
	not accommodate a cage nut shall be a minimum quarter inch thick and be tapped. The use of self tapping screws will not be allowed			
48	**Brushed Stainless Steel Lower Module Entry Door Trim Panels:** Each modular body entrance door shall have removable .100" aluminum inside access panel to facilitate latch adjustment or repair. The lower interior panel shall be .100 polished, bright aluminum tread plate. All upper interior door panels shall be .100" aluminum covered with laminate.			
49	**Brushed Stainless Steel Side Entry Door Step Well W/Sealed Seam Edges** A formed aluminum side entrance doorstep shall be recessed into the body and be lined with bright aluminum tread plate on all exposed surfaces and brushed stainless steel. The step well shall be lighted.			
50	**Window in Side of Body** there shall be a window with dark tint installed in the side of the module body. The window shall be a minimum of 30" x 16”.			
51	**Two Section Privacy Panel with Marker Board** The side body module window shall have a two section sliding privacy panel with marker board installed.			
52	**EXTERIOR COMPARTMENTS** a minimum .090" aluminum sheet above the floor line and a minimum .125 aluminum sheet below floor line. The compartments shall be welded to the body floor and sidewall structure. All corner seams shall be welded and caulked.			
53	**2 Red Reflectors on Each Full Height Compartment Door** There shall be two model number B491R (or equivalent) red reflectors mounted on each full height compartment door.			
54	**Combination Extruded/Pan Formed Compartment Doors** Y___N___ All doors shall be a minimum of 3" thick, framed by aluminum extrusions of labyrinth design. The door jamb extrusions shall be made from 6063-T5 aluminum. The door frame extrusion will be continuously welded to the wall skin and a minimum, two-inch square framing extrusion. In addition to the extrusions reinforcing each outer door pan, the extrusions themselves shall be reinforced through a dual joining method. Each mitered corner, where the framed corners join, shall be fitted with an angled gusset and an exterior .125 door pan. The corners shall then be welded and finished smooth. The compartment door jamb shall be welded to a minimum 2" x 2" tube. The door jamb trim shall also be welded on the interior where each door pin is located. All doors shall mate with the doorframe extrusion, forming a gasket area for the pneumatic door seal. The exterior door panels shall be formed to surround the extruded perimeter framing and be welded in place. Door corners shall be welded and ground smooth. The maximum space between each of the three quarter welds shall be fifteen inches. Interior panels shall be recessed into the			

	SPECIFICATION	Meets	Does Not Meet	Comments
	extruded frame and screwed into place using stainless steel flat head machine screws and locking cage nuts. All areas that will not accommodate a locking cage nut will have screw holes tapped into minimum quarter inch aluminum.			
55	**Door Seals** The door seals must be EPDM hollow core and provide a 360-degree uninterrupted seal with a full 1/2" of compression. Door latches shall be inboard of the seal, therefore protecting latches from dirt, moisture, and weather deterioration. Seals shall be mounted in a way to protect them from abuse. All door latch nadar pins shall be adjustable. Inner and outer sills of the compartment doorframes shall be trimmed with formed brushed stainless steel plates to protect painted surfaces. They shall be applied with adhesives. No mechanical fasteners may be used. **NO EXCEPTION ALLOWED**			
56	**Venting** in order to prevent airlock inside compartments, all exterior equipment storage compartments shall be vented. There shall be two stainless steel vents in each compartment, one left side, and one right side. All vents shall be above the floor line to prevent dust from entering the compartment. The only exception (unless otherwise specified) shall be the oxygen compartment and the street side ¾ door compartment, which may have a vent in the door and/or below the floor line. All vents below the floor line shall have a scotch-brite style filter installed to help prevent moister and dust from entering the compartment. All exterior compartments shall be 5.5” x 12.25” vent cover.			
57	**Brushed Stainless Steel Exterior Compartment Door Panels:** All exterior compartment door panels shall be brushed stainless steel. They shall be recessed into the door extrusion and attached with stainless flathead screws and locking cage nuts. All areas where a locking cage nut cannot be applied, a stainless steel machine screw will be taped into a minimum .250 aluminum.			
58	**Magnetic Compartment Door Switches** Door jamb switches for interior lights, exterior compartment lights, door ajar lights and rear load lights shall be magnetic style with ground wire activated relays to eliminate hot wires running in door jams.			
59	**Polyurethane Compartment Lining-Standard Gray** all exterior compartments shall be lined with a 100% solid elastomeric polyurethane coating. This coating shall have a minimum thickness of .0625" in low wear areas and .125" to .188" in all other areas. The material shall be nonporous. It must be highly resistant to scratching and scuffing. The minimum performance specifications for this coating material are: 1. Shore "A" Hardness 85 - 90 2. Specific Gravity 1.10 3. Tensile Strength 2,200 PSI 4. Elongation at Break 330%			

	SPECIFICATION	Meets	Does Not Meet	Comments
	5. Tear Strength 430 pounds 6. Melting Point 300 degrees This material shall be sprayed on all compartment surfaces and finished in a mottled texture to minimize slippage, provide a water/air tight seal and to provide superior noise suppression. Elastomeric Polyurethane (Rhino) Lining will not crack, peel or warp and will resist scratches. The color of this material shall be medium gray.			
60	**Compartment LED Lights:** all exterior compartments except the battery compartment shall have surface mounted compartment LED lights. A weatherproof magnetic type switch located in the doorjamb shall actuate the LED lights. When shelves are specified, additional LED lights shall be added to illuminate the area below each shelf.			
61	**1 Fixed and 2 Adjustable IS/OS Compartment Shelves** The inside / outside right front cabinet shall have one fixed and two adjustable shelves. The shelves shall be easy to decontaminate.			
62	**Cabinet Liner Lined Walls in the IS/OS Compartment** the Inside / Outside right front cabinet shall have a smooth interior laminate lining that is easy to clean/decontaminate.			
63	**Curbside Front Battery Compartment** There shall be a curbside front exterior battery compartment with slide out tray. It shall be capable of holding a minimum of two batteries. The vertical hinge side of the door shall have a stainless guard attached. Actual compartment size shall be determined at the preconstruction conference.			
64	**Curbside Rear Backboard Compartment** There shall be a curbside rear backboard compartment. Actual compartment size shall be determined at the preconstruction conference.			
65	**Curbside Rear Backboard Compartment Inner Door Storage:** A full height exterior compartment shall include a custom inner door panel. Door panel shall have the ability to store a minimum of two (2) concave backboards and one (1) scoop backboard. Brackets shall be adjustable to secure backboards and be Rhino (or equivalent) covered.			
66	**Full Height Street Side Front Compartment** There shall be a full height street side front storage compartment. Compartment shall be able to handle one (1) K size tank with automated integral compartment to ground tank lift system. One adjustable shelf above tank. Actual compartment size shall be determined at the preconstruction conference.			
67	**Street side Double Door Intermediate Compartment** There shall be a double door street side front intermediate storage compartment. Actual compartment size shall be determined at the preconstruction conference.			
68	**3/4 Height Single Door Street Side Rear Compartment** there shall be a 3/4 height single door street side rear compartment. Compartment shall have six (6) interior shelf			

	SPECIFICATION	Meets	Does Not Meet	Comments
	bracket mounting rails, 2 per side excluding the door side. Compartment shall vent externally only. Actual compartment size shall be determined at the preconstruction conference.			
69	**OS Access to Exterior 3/4 Height Compartment.** Driver side rear compartment shall have outside access.			
70	**Rear Bumper w/Rubber Dock-Tow Hook Options:** There shall be a heavy duty bumper extending to each side of the step. The under carriage shall be constructed of 44 inch aluminum channel and tubing, bolted to the body and the chassis frame rails with a minimum of eight bolts. The bumper framing shall be reinforced with an additional 4-inch aluminum support coming out from the chassis frame rails at a 45-degree angle to the outside corners of the bumper. There shall be a 45" wide by 8" deep passenger step at the rear of the body. It shall be constructed of open face “Grip-Strut” safety grating, rigidly framed and supported. The rear step shall be hinged to allow it to be folded against the rear of the body. End sections outboard of the step shall be covered with aluminum diamond tread with all corners TIG welded. The outside corners of the covers shall be tapered 15 degrees to minimize bumper dragging. Two (2) heavy-duty rubber dock bumpers shall be installed on the outer face of the diamond plate. Two (2) tow hooks shall be installed under each bumper pod and attached to the bumper frame.			
71	**Full Width Brushed Stainless Steel Rear Kick Plate:** The vertical surface at the rear of the modular body between the rear step and the floor of the patient compartment shall be faced with full width brushed stainless steel. The rear kick panel shall be attached using stainless flathead countersunk machine screws. The screws shall be tapped and applied with "ECK" prior to installation. The top edge of the rear kick panel shall be caulked using white auto body sealant.			
72	**One Piece Body Side Panels with Lower Impact Rails** there shall be rigid, two piece 6063-T5 extruded, tubular, anodized aluminum 3" by 1.5" impact rails with cast aluminum end caps installed at the lower edge of each side of the body. The impact rails are to be mounted to and reinforced by 3" x 2" x .125" rectangular aluminum tubes which shall be the lower structural members of the body framing. Rails shall be designed to absorb impact, minimize body damage, and to be easily replaceable. For this reason, the lower body tube described above must continuously back all impact rails. RUB RAILS MUST BE ALUMINUM TWO PIECE EXTRUSIONS. BREAK FORMED "C" CHANNEL OR OTHER FABRICATED RUB RAILS WILL NOT BE ACCEPTABLE. RUB RAILS ATTACHED ONLY TO THE SKIN OR VERTICAL SUPPORTS WILL NOT BE ACCEPTABLE**.**			
73	**Brushed Stainless Steel Running Boards with Grip Strut Inserts**: Brushed stainless steel running boards of .125 shall be installed on both the curb and street side of the cab			

	SPECIFICATION	Meets	Does Not Meet	Comments
	doors. Running boards shall incorporate a center grip strut surface. The running boards shall include front splash shields and shall taper back to the full width of the modular body.			
74	**LED Running Board Lights:** Running boards shall be illuminated by surface mounted lights and include a wire mesh cover. These lights shall be installed on the front of the module body.			
75	**Rear Mud Flaps with Metal Stabilizers** The chassis shall have heavy-duty rear rubber mud flaps with metal stabilizers installed.			
76	**Stainless Steel Compartment and Entry Door Sill Plates** All compartments and entry doors shall have stainless steel sill plates installed. These plates shall be secured without the use of screws or bolts.			
77	**Gutter Rails over All Doors** Polished aluminum drip rails shall be installed over all exterior compartment and modular entry doors. Drip rails installed with screws shall not be acceptable due to the likelihood of corrosion from dissimilar metals.			
78	**24" High Front Brushed Stainless Steel Stone Guards:** There shall be brushed stainless steel stone shields 24" high wrapped around each front corner of the body and extending into cab depth. The edges shall be sealed			
79	**ELECTRICAL SYSTEM** The electrical system shall be a Transportation Safety Technologies (TST), PDC System 750. A Microprocessor based electrical system with driver's and attendant's control centers. Only systems manufactured independently will be considered. This requirement assures two sources for repair and replacement. **NO SYSTEMS MANUFACTURED BY THE AMBULANCE MANUFACTURER WILL BE CONSIDERED.** The vehicle electrical system supplied shall have been in active field service for a minimum of six years. The proposed system shall also have a minimum of five-hundred active systems currently in use. **NO SYSTEMS WITH LESS THAN FOUR YEARS OF INFIELD USE WILL BE ACCEPTED**. The electrical system modules shall be designed for simple, quick replacement. The system shall incorporate a fully programmable design allowing the user to select and define how the system will operate now and into the future. All electrical and electronic components shall be selected to minimize electrical loads thereby allowing the vehicle's generating system to not only meet the vehicle's electrical load requirements but to maintain an adequate reserve generating capacity. The system shall include automatic load management and automatic high idle control.			
80	**System Design** The Electrical System shall be designed to continuously monitor all electrical conditions and interlocks, therefore preventing inadvertent operations, or accidental activation of			

	SPECIFICATION	Meets	Does Not Meet	Comments
	its features. The entire system shall be program configurable to provide lock out security for only authorized access. The system shall be designed to conduct real-time diagnostics, comparing the configuration memory against that which actually makes up the system. This diagnostic shall test each element of the system and report, or alert any discrepancies. The reports shall include as a minimum, 1) open circuits, 2) manual bypass, and 3) load shed. The alerts shall be incorporated into each switch through an LED indicator. All configuration data shall be stored in a nonvolatile electrically erasable memory. The system shall incorporate four RISC (reduced instruction sets commands) and provide for a simple, flexible operation. The system interface board shall provide for the diagnostic troubleshoot of all input and output functions. Thereby helping to eliminate the need for auxiliary volt/amp meter testing equipment. The Electrical System shall have on board protections, which shall be utilized to provide immunity from transients, over-current and voltage, RFI/EMI interference, and spurious signals that might negatively influence the systems performance. All inputs and outputs shall be scanned and updated (8) eight times per second to provide an immediate response and insure that all activations were intentional. The Electrical System shall further provide for user programmable audio responses for all critical functions, warnings and alerts. The tone volume of each audio response shall be fully programmable. The electrical system shall incorporate status indicators that provide an operational status of all relays. Operational status shall include: 1) Active relay 2) manual bypass 3) fault condition 4) off 5) load shed The Electrical System shall be designed to handle up to three different meter shunts. This design shall allow each alternator to be checked individually or in combination with the batteries. The Voltmeter shall have alarm capability and provide both visual high/low and discharge alerts for voltage. The Voltmeter can use the same display as the Ammeter and be set up to display any of the three-meter applications (shunt 1, shunt 2, or, combination) or toggle between all readouts. The voltmeter input shall be battery direct providing for an accurate state of the battery voltage level and be compatible with the TST, HECS (hall effect current sensor) 200 and 300 devices for inductive pick up of meter inputs The Electrical System shall be equipped to receive inputs for various controls. All chassis inputs, except battery power, connected to the Relay Control Board will be done through a dedicated connector for these circuits. LED status indicators will be provided to show whether these signals are present at the connector.			

	SPECIFICATION	Meets	Does Not Meet	Comments
	The module portion of the ambulance will have a battery disconnect on its circuitry, which will be controlled by the ignition switch "ignition" and "accessory" modes. The device that controls battery power to the module shall be a Commander 350 with "Extended Life Technology" or equivalent module with a five-minute delay timer built into it. The disconnect shall incorporate extended life technology. All wiring and cable assemblies shall be totally encased in protective, convoluted, high temperature, 300-degree flame resistant, automotive type, and polyethylene loom. Wiring which is routed near potentially sharp edges shall be protected by grommets. Wiring harness shall not run underneath vehicle. STANDARD FUNCTIONS SUPPORTED BY THE SYSTEM SHALL INCLUDE: "Touch Tek" control panel switching Switch Backlighting Intensity (Programmable) Load Management with Alarm Intelligent digital High/Low Voltage Monitoring, to include monitoring with time delay Current Metering 200/300 Amp (also available for dual alternators) Flexible Metering of Various Signal Types Hall Effects Current Sensor Compatible LED Diagnostics on the Power Distribution Board Patient Door Open Warning (Both audible and visual) Open Compartment Door Warning System (Both audible and visual) Emergency Warning Lights (Individual or in Sequence Programmable) Primary / Secondary Flasher Control Light bar Control Left, Right and Rear Flood Light Control w/override Patient Compartment Lighting Control Oxygen Control N/Safety Interlock and Override (Programmable) Load Sequencing Up and Down (Programmable) Auto Throttle Control Master Power Control Back Up Alarm, Interlock and Override Control Left and Right Dome Light Control (LO, HI, OFF) Single Speed Power Exhaust Patient Status Indicators and Alarms (both front and rear) Vacuum Pump Control Inverter Control Five-Minute Check Out Light Control with Patient Door Open Rear Climate Control Switching to include fan speed and temp. Control Digital Thermostat (Climate Control) Other (Spare's)			

	SPECIFICATION	Meets	Does Not Meet	Comments
	All wiring shall be permanently color-coded and permanently embossed with number and function codes, spaced every 4 inches on each wire. Wiring labels that are glued or otherwise attached to the wire shall not be considered permanent and will not be acceptable. Circuits shall serve the ambulance body and accessory electrical equipment separate and distinct from the vehicle chassis circuits. All wiring used shall be copper with SXL thermoplastic insulation rated to 150 degrees Centigrade. All splices and terminals provided shall comply with SAE J163, J561, or J928 as applicable. All wiring between the cab and module shall be connected to a terminal block located in a special wire terminal compartment with a hinged door for easy access. This compartment shall be located on the interior of the module. The completed ambulance must meet or exceed AMD Standard 005, Ambulance 12-Volt DC Electrical System. All relays on the Relay Control Board shall be 30 amps. And shall be diode protected to prevent reverse polarity. Zener diodes shall be used to protect the system from excessive current and high voltage conditions. The electrical system shall be able to allow for a second Relay Control Board to be added, therefore doubling the features of the standard electrical system			
81	**Relay Control Board** The Relay Control Board shall consist of a minimum of (22) twenty-two socket mounted, replaceable "plug in style" automotive relays with status LED's provided to show proper operation of all relay outputs. An additional status LED shall be provided for each relay position to indicate that the relay coil is properly operating. Each relay contained on the Relay Control Board shall be circuit breaker protected using a field replaceable manual reset thermal circuit breaker. Each relay shall be equipped with an output feedback diagnostic used to provide dynamic status indicators on the front and rear panels for all relay activations. All relays contained on the Relay Control Board shall have a bypass switches that will permit its output to be manually activated. Manual control of a relay shall be allowed to take place at any time during the systems operation and unlikely indicated on the front / rear control panels. A copper 600-amp buss shall provide +12-volt DC input to a common input, for a mini-mum of (20) relay positions. Two relays on the Relay Control Board shall have all five terminals available for connection. These relays shall provide for total control of the relay coil and the type of input being transferred through the relay contacts. The normally open (NO) outputs for these relays shall be available through dual screw terminals located on the board. There shall also be a minimum of two spare relays. These spare relays shall have the ability to be either positive or negative in polarity and still provide the function the same status LED indicator as the standard relays. The Relay Control Board shall feature a disconnect enable output that			

	SPECIFICATION	Meets	Does Not Meet	Comments
	prevents loads from being "dumped" during shut down operation. Loads "on" during the shutdown process shall be sequenced down automatically			
82	**Main Power Distribution Center (MPC) The** main electrical power distribution center shall be installed in an interior cabinet, in the front of the patient compartment, positioned to allow easy access for inspection or service. The cabinet shall be accessible only from the interior of the patient compartment to preclude exposure to moisture, dirt, and other debris. Electrical Systems located in an exterior compartment shall be unacceptable due to weather damage. A complete Owner's/Operating/Service Manual shall be provided and mounted in the electrical cabinet for easy reference. It shall contain a complete set of wiring schematics, as well as a complete narrative description of each circuit in the ambulance manufacturer's electrical system. It shall also contain the owner's manuals for all add-on and after-market components supplied by the ambulance manufacturer.			
83	**Alternator See** chassis specifications for description of alternators. Any alternator offered as part of an ambulance prep package by chassis manufacturer must be supplied. These alternators must be installed and covered under warranty by chassis manufacturer			
84	**Battery System** The battery compartment shall be sealed off from the patient compartment, exterior compartments, and cab. Battery cables shall be a minimum of 1/0 gauge. All battery cables shall be run in flexible conduit. See chassis specification for description of size, number and location of batteries			
85	**High Idle Control** A Manufacturer's throttle control device or equivalent shall be installed. It shall be preset so that when activated it will operate the engine at a speed necessary to maintain proper system voltage. The device shall operate only when the vehicle is in "park" and the parking brake is engaged. The device shall disengage when the service brake pedal is depressed or the transmission is placed in gear. The device shall automatically reengage when the service brake is released or the vehicle is again placed in "park" and the parking brake engaged. (When allowable, the above the throttle system shall interface with the 750 system			
86	**Ground Straps** A single ground connection shall exist between the System and the vehicle chassis. Two copper-strands, plated, woven type ground straps with crimped and soldered lugs shall be installed between modular body and chassis frame. Two copper-strand, plated, woven type ground straps with crimped and soldered lugs shall be installed between cab and chassis frame. One copper-strand, plated, woven ground strap with crimped and			

	SPECIFICATION	Meets	Does Not Meet	Comments
	soldered lugs shall be installed between the engine and the chassis frame.			
87	**Front Control Panel** The Front Control Panel shall incorporate LED backlighting with a cycle life of at least 1 million cycles for all switches and at least 100,000 hours for all high output LED's. The front control panel shall incorporate different color LED's for "on" indication of all switch functions. The high output different color LED's shall provide for clear "on" indication in various lighting conditions by actually changing colors when switch is turned on. A separate DIM switch shall permit a lower level of intensity for "on" indication during nighttime applications. All switch legend inserts shall be reverse embossed and field replaceable. All switches shall incorporate conductive rubber technology. This technology shall allow for a tactile, visual, and audible response. The switch shall also allow touch contact at all areas and have the ability to be cleaned and disinfected when necessary. The Front Control Panel (FCP) shall have a Mylar color graphic to identify various functional groups on the panel such as warning switches, master control and accessories. The front panel shall offer fully programmable control for all Emergency Master Functions. Any non-dedicated switch on the FCP can be programmed into the emergency master switch. At start up, the system switch indicators shall illuminate to provide confirmation that voltage is reaching the switch. The Module Power switch shall be the only switch to come on when the switch is activated. In addition to the visual "on" indication, a single audio response shall be generated to conform that a switch has been depressed. In the event that a fault should exist, an audio alert and an indicator shall flash. This fault indication shall denote and provide this alert should any connection or component within that circuitry fail, or the relay it contacts fails to close. The Primary and Secondary switches shall be mutually exclusive. Likewise, the Strobe Dim function shall be dependent upon the strobe lights being "on". The backup lamp switch shall be a cut off for the back-up alarm and shall automatically reset when the vehicle is taken out of the reverse gear. This switch shall be capable of being set prior to going in reverse, allowing the backup alarm to not activate. Both banks of dome lights shall capable of being turned "off' from either the front or rear switch panels. The AC/Heat control shall have switches on both front and rear panels that control these system operations and include the fan function. The system shall allow the AC/Heat to be sequenced on when the Emergency Master is activated and stay on even when the Emergency Master is turned off. The AC/Heat shall be turned off by either the ignition off or the AC/Heat switch itself.			

	SPECIFICATION	Meets	Does Not Meet	Comments
	The door ajar and compartment open indicators on the front panel shall flash anytime a door, or compartment is open. If an ignition signal is present, or when the transmission is removed from the "Park" position the flashing shall be further complimented with an audible alert. The patient status indicators (red, amber, green LEDs) shall also have different audible alerts that provide for attention to changes in the patient status state. The Mode switch shall allow the operator to select the type of display desired on the digital meter. This switch shall allow for the operator to select voltmeter, ammeter or a feature to toggle between these two-meter displays.			
88	**Check Out Light System** Check out light relay shall be located on the Relay Module and be protected by a 15 Amp mini fuse. This relay is separate from the dome relays but can be connected in parallel to a dome relay allowing check out lighting to be turned on from either the check-out relay, or dome light relay. The check-out light relay shall receive power from the memory power input to the system. The check-out light feature shall operate when the Module power and ignition power are "off" and/or any entry door is open. The check-out light relay will come "on" when it receives a signal from any patient door and remain on for 5-minutes regardless of whether the door(s) is left open or closed. The check-out lights used shall be the right bank on high function. Once the 5-minute check out timer cycle has begun the check-out lights will immediately go "off" if the module power is turned "on". If a patient door is open when the module power is turned "on", the regular dome light relay will come "on". If the ignition is "on" and the module power is "off', the check-out light relay turns "On" and "Off "when door(s) open and close. The interior dome light switch shall be able to override the door post switch.			
89	**Electrical Warranty:** The Electrical warranty shall be for a period of six years or 60,000 miles			
90	**Dual Rear Switch Panel.** There shall be two (2) panels, one on each side of patient care compartment. The Dual Rear Control Panels, like the front control panel, shall incorporate LED backlighting for all switches and high output different color LED's for "on" indication of all switch functions. The high output different color LED's shall provide for clear "on" indication by changing colors when the switch is turned on. All switches shall incorporate conductive rubber technology. This technology shall allow for a tactile, visual, and audible response. The switch shall also allow for over one million cycles and have the ability to be cleaned and disinfected when necessary. The dual panels shall function independently or individually. The rear panels shall have three sets of indicators for the climate control system, one each for heat and A/C to indicate which mode			

	SPECIFICATION	Meets	Does Not Meet	Comments
	is "on,' and one each for fan speed indication. The rear control panels shall incorporate a climate control digital display that can be factory set to read in either Centigrade, or Fahrenheit. A 16' temperature sensor cable shall be provided to accurately measure temperature within the patient compartment. The thermostat shall be user settable, and by selecting the up arrow or the down arrow it shall switch controls and maintain the set point with or without the need for supply voltage. Once set, the climate control system shall switch from A/C to Heat operation automatically. The fan shall always be on when the A/C Heat Switch is "on", when the A/C Heat Switch is "off' the fan motor shall be "off'. The fan speed shall automatically change from lo-med-hi based upon the differential in temperature from the pre-set point. For example, from 0-2 degrees either side of set point the fan speed shall be on low. From 3-5 degrees either side of set point the fan speed shall be on medium. Six (6) degrees either side of set point and the fan speed shall be in high mode. Three LED status indicators shall show which mode the fan is in at all times. A fan speed override switch shall be provided to manually adjust the fan speed to any level desired. The fan shall still be allowed activate without the A/C-Heat function being on. This shall allow the air to circulate within the patient compartment. The Climate Control relay module shall incorporate five automotive style "plug in" relays. LED's shall provide the status of all relays.			
91	**Reverse Activated Alarm The** backup lamp switch shall be a cut off for the back-up alarm and shall automatically reset when the vehicle is taken out of the reverse gear. This switch shall be capable of being set prior to going in reverse, allowing the backup alarm to not activate.			
92	**Ejector Type Shoreline - 20 Amp** A 20 amp Kussmaul auto eject device shall be provided which disconnects the shore power plug when the chassis ignition is energized. The ambulance shall be equipped with a 2-wire plus ground 115 VAC wiring system that is separate and distinct from the vehicle's 12 VDC system. The 115V system shall incorporate a ground fault interrupter (GFI) device and shall have a 20-amp circuit breaker that can be used as a master disconnect switch. The exterior inlet shall have a hinged, heavy duty Hubble spring loaded inlet cover or equivalent to prevent moisture. The inlet shall be located near the driver door on the ambulance body. The inlet shall be properly marked 115 VAC and shall be provided with a mating plug. The interior duplex outlets shall have indicator lights at each outlet to indicate when 115 VAC power has been applied. Outlets shall be marked "115 VAC".			
93	**Inverter:** Vanner 1000-watt inverter, or equivalent, controlled by a switch in the attendant control panels. Automatic battery charger/conditioner and a 30-amp AC transfer switch. When connected to shore power (AC utility			

	SPECIFICATION	Meets	Does Not Meet	Comments
	power) the vehicle's battery is charged, then automatically maintained in full charge condition. The shore power shall be automatically connected to the system's AC output receptacle to supply power to the AC loads. When shore power is disconnected (vehicle underway), the automatic transfer switch shall connect the AC output receptacle to the power inverter, which obtains power from the 12-volt battery. The system shall contain a front panel LED indicator status panel and interface connector for the remote monitor/control unit.			
94	**IOTA DLS-30 Battery Charge** A DLS-30 series converter/power supply shall be supplied, installed and wired to the shoreline. A 30-amp battery conditioner shall be installed on the module body and shall be wired through the vehicle shoreline inlet. The DLS series converters/chargers will quickly and efficiently shares, only replacing into the battery what is required by load or self-discharge, cutting back to milliamps as the battery requires. The DLS-30 is a 30-amp charger with a 400 watt output.			
95	**Action Area Cigarette Style 12 Volt power Outlet** The patient action area shall be furnished with a 12-volt, Cigarette style power outlet. This separately protected circuit shall have one receptacle located in the action area. A Cigarette style connector with mating plug and polarity requirements shall be supplied. This circuit shall also include a "SCHOTTKY" diode isolator with heat sink to isolate medical equipment and medical equipment batteries from any electrical loads that the remainder of the ambulance electrical system may impose.			
96	**R.F.S. Cabinet Cigarette Style 12 Volt Outlet** The right front stack (RFS) interior cabinet shall be furnished with a 12-volt, Cigarette style outlet. This separately protected circuit shall have one receptacle located in the RFS area. A Cigarette type connector with mating plug and polarity requirements shall be supplied. This circuit shall also include a "SCHOTTKY" diode isolator with heat sink to isolate medical equipment and medical equipment batteries from any electrical loads that the remainder of the ambulance electrical system may impose internal 12-volt power			
97	**Additional Cigarette Style 12 Volt Outlet (Ea)** This separately protected circuit shall have one (1) additional Cigarette style connector(s) added. A mating-plug shall be furnished. Mating plug shall be tagged with polarity requirements.			
98	**Action Area 115 Volt Outlet** An Interior duplex outlet shall be installed in the action area. An Indicator light shall be included at the outlet to indicate when 115v AC power has been applied. The outlet shall be labeled "115v AC". This 115v AC system, including wiring and associated equipment, shall comply with AMD Standard 009.			

	SPECIFICATION	Meets	Does Not Meet	Comments
99	**R.F.S. Cabinet 115 Volt Outlet** An Interior duplex outlet shall be installed in the R.F.S. Cabinet. An Indicator light shall be included at the outlet to indicate when 115v AC power has been applied. The outlet shall be labeled "115v AC". This 115v AC system, including wiring and associated equipment, shall comply with AMD Standard 009. Location to be determined at preconstruction conference.			
100	**Additional 115 Volt Outlet (Ea)** One (1) additional Interior duplex outlet(s) shall be installed in the vehicle. An Indicator light shall be included at the outlet to indicate when 115v AC power has been applied. The outlet shall be labeled "115v AC". This 115v AC system, including wiring and associated equipment, shall comply with AMD Standard 009.			
101	**Engine Block Heater (Standard Diesel Chassis Only):** OEM engine block heater is required.			
102	**Backup Camera:** Back camera and viewing screen shall be installed, OEM or equivalent.			
103	**12 Volt Floor Mount IV Fluid Warmer Tray (Ea)** A 12-volt IV fluid warmer tray shall be installed and mounted in an interior cabinet. Cabinet to be determined in prebuild. Warmer shall be thermostatic controlled and wired into the shoreline system			
104	**Power Door Lock (Ea)** All exterior doors shall have power locks installed. These power locks shall be activated from the OEM cab area and be thermally protected with a pulsed signal.			
105	**Hidden Switch for Power Door Locks (Unlock Only)** A hidden power door unlock switch shall be installed behind the rear license plate or other location as determined in prebuild conference if rear license plate areas is not feasible			
106	**Two (2) Speakers Mounted In the Ceiling Center Strip** There shall be two Kenwood or equivalent speakers recessed mounted into the ceiling above the squad bench.			
107	**Oxygen Compartment LED Light** An oxygen compartment LED light shall be installed and controlled from the action area control panel.			
108	**Side Entry Door Step well LED Light** A step-well LED light shall be installed in the side door step-well. This LED light shall illuminate when the side door is open.			
109	**Ceiling Lights** The patient compartment shall be illuminated by eight (8) high/low intensity LED dome lights, recessed into the patient compartment headliner and mounted to a .125 aluminum plate. The left and right banks of lights shall each have their own "high" and "low" switch positions. The right bank "high" setting shall also be activated by doorjamb switches at the side and rear doors. A 5-minute timer shall activate one bank of lights on “high” when the battery switch is off.			
110	**Action Area Aircraft Style Dual Swivel Light** The patient action area shall have a 12-volt aircraft style dual swivel light installed			

	SPECIFICATION	Meets	Does Not Meet	Comments
111	**12 Volt LED Lights Down Center Strip** Four (4) LED overhead lights shall be installed in the ceiling of the patient compartment. They shall be evenly spaced down the center of the vehicle. These lights will be capable of operating on either 12-volt or 110-volt power when the vehicle shoreline is activated. Each light will have two (2) switches for on/off operation, one located on the Front Floor Mounted console and the second switch shall be located near the Side Patient compartment door.			
112	**Whelen 600 Series "LED" Stop/Tail Lights (Pr)** There shall be Whelen 600 Series "LED" stop / tail lights with chrome trim bezels (or equivalent) installed. The actual location shall be determined at the prebuild conference.			
113	**Whelen 600 Series "LED" Populated Amber Turn Lights (Pr)** There shall be Whelen 600 Series "LED" populated amber turn signals with chrome trim bezels installed. They shall be wired to flash sequentially in the direction of the arrow. The actual location shall be determined at the prebuild conference.			
114	**Whelen 600 Series "LED" Populated Amber Turn Light IATS (Pr)** There shall be additional Whelen 600 Series LED (or equivalent) populated amber turn lights with chrome trim bezels installed. They shall be wired to flash sequentially in the direction of the arrow. The actual location shall be determined at the prebuild conference.			
115	**C.P.I. License Plate Housing with Back-Up Lights** The rear license plate CPI housing shall include two clear Weldon backup lights (or equivalent) in CAST housing. The rear license plate shall be illuminated by using two clear LED lights. The actual location shall be determined at the pre-construction conference			
116	**Rear Warning Lights:** There shall be seven (7) Whelen model number M900 super “LED” light(s) or Federal QuadraFlares 9x7 with chrome bezels in place of the rear light bar. Rear Warning Lights to be individually switched as a light bar in the control panel. Colors to be determined a pre build conference. There shall also be two (2) M900 or QuadraFlares mounted so when the rear doors are open the flashers show through the windows.			
117	**Weldon #9186-1500-10R/20A “LED” ICC Marker Lights** The exterior ambulance body ICC lights shall be Weldon model number 9186-1500-10 (red) and 9186-1500-20 (amber). They shall be installed above the integrated drip rail extrusion.			
118	**Whelen 900 LED Side Scene Lights (Two Each Side)** There shall be four (4) Whelen 900 series scene lights (or equivalent) installed. Two (2) scene lights shall be installed on each side of the module body. They shall be located at the top of the module next to the warning lights. The light head refraction design shall create a flood of light and shall be optically projected at a downward angle approximately			

	SPECIFICATION	Meets	Does Not Meet	Comments
	thirteen degrees from the horizontal plane. The scene lights shall meet or exceed federal specification KKK-A-1822E. All scene lights shall have bright chrome-like flanges.			
119	**Right Side Scene LED Lights On With Open Side Entry Door:** The right side scene lights shall come on when the side entry door is opened.			
120	**Antenna Base with Coax** Two (2) KE-794 antenna bases with coaxial cable and PL-259 connector shall run from antenna access port in the roof of the patient compartment and termination points will be determined at the post award conference. These cables shall have a 36" service loop.			
121	**Cellular Phone Antenna/Base/Coax:** Two (2) cellular phone antenna(s) with coaxial cable shall run from antenna access port in the roof of the patient compartment and terminate behind the driver's seat. This cable shall have a 36" service loop.			
122	**Radio Pre-Wire, Radio Power and Ground Circuit (Ea)** There shall be two (2) 12-volt positive with negative leads provided for radio power. The location of each shall be within the ambulance body and near the floor console in the cab. This lead shall be wired through the battery switch. Final radio location to be determined at prebuild conference. (Radio harnesses will be provided by the City)			
123	**"Fire Com" Intercom System** (2) Dual Ear Head Sets W/Voice Activated Mic., Base, Wire Coil, Interface Cable, Cable and Installation. Locate: Jacks for Head Sets In Carpeted Panel At The Rear Of The Cab Headliner Between The Cab Seats. Interface Cable to Run to the Front Console. The Interface Cables Needs to Be For A Motorola XLT 2500 ILO The Spectra Radio. The Cable Should Be A MR52X According to Fire Com			
124	**Magnum Siren System** There shall be a Signal Model number SS-741MG magnum siren system (or equivalent) installed.			
125	**Bumper Siren Speakers (E-Series)** There shall be C.P.I. Model number SA4319 bumper siren speakers (or equivalent) installed.			
126	**Siren, Federal E2B Mechanical w/Floor Switches:** A Federal E2B mechanical siren shall installed in addition to the Signal siren. Location to be determined at pre build conference.			
127	**Air Horns:** Two (2) Grover Stuttertone chrome air horns shall be supplied and installed under the bumper, facing forward. The air horns shall be powered by a #5440 compressor (or greater) with reserve tank. An air depletion valve shall be utilized. The air horns will be activated by either of two (2) floor switches, one on each side of the cab.			
128	**Side Module Warning Lights:** There shall be four (4) Whelen model number M900 super LED or Federal QuadraFlares 9x7 flashing side module warning lights (or			

	SPECIFICATION	Meets	Does Not Meet	Comments
	equivalent) installed. There shall be two (2) lights mounted on each side of the body on the top upper outside corners, below the drip rail. The lenses shall be red. An electronic flasher shall be installed in the electrical cabinet. This flasher shall be used to control the flashing lights in both the primary and secondary modes per the KKK-A-1822 specifications.			
129	**Grille Lights:** There shall be four (4) Whelen model number 500 LIN6 LED forward facing grille lights installed.			
130	**Intersection LED Lights with Split Lens** There shall be two (2) Whelen model number M700 LED lights installed.			
131	**Rear Wheel Well LED Lights** There shall be two (2) Whelen model number M700 rear wheel well lights installed			
132	**Front Box Emergency Lights** There shall be a 3M opticom with 792F fileter. The opticom shall have an operational switch separate from the main emergency lights. The opticom shall be coded. The configuration of the light bar/ array shall be determined at the pre build conference. There shall be seven (7) Whelen model M900 super LED lights or Federal 9x7 QuadraFlare LED lights installed. Lights to be individually switched by the control panel. Colors to be determined at pre build conference.			
133	**Cabinet Construction** Cabinets shall be constructed of 5-ply, furniture grade, and exterior-rated plywood. Cabinet interiors and exteriors shall be covered with high pressure plastic laminate. All cabinets shall be constructed using both glue and screws for maximum strength. Screws shall be a maximum of 10" from each other. All exterior radius corners shall have a 6063-T5 aluminum extrusion installed. This extrusion shall be screwed in-place from inside the cabinet. **THE USE OF STAPLES IN THE ASSEMBLY OF CABINETS SHALL NOT BE ACCEPTED.** Because of the superior sound dampening and insulating qualities of plywood cabinetry, aluminum or other metal cabinetry will not be accepted.			
134	**Cabinet Doors** The cabinet openings shall have sliding acrylic doors, hinged doors, or a combination of both. The sliding doors shall slide in felt / nylon lined 4-sided aluminum extrusions that completely surround each opening and are removable. Each sliding door shall have a full height, beveled corner extruded aluminum handle on the outer edge. This shall provide additional strength and rigidity. All hinged doors shall have a polished stainless steel hinge with .125" pin diameter.			
135	**Impact Protection** All exterior corners subject to abuse shall have an extrusion installed for added durability and rounded for occupant safety. A 6063-T5 aluminum radius shaped corner with inside X-frame shall be used on any corner not protected by a padded vinyl covered cushion. The use of this extrusion will allow the cabinet exterior			

	SPECIFICATION	Meets	Does Not Meet	Comments
	corners to be attached from the inside, thereby eliminating the use of screws on the cabinet face.			
136	**Cabinet Shelves** All cabinets over 14" high shall have fully adjustable shelves laminated with plastic laminate. All shelves shall be fastened to the adjustable track to eliminate rattle. A polished aluminum lip shall be provided on all shelf outer edges			
137	**Cabinet Attachment** All interior cabinets including the squad bench shall be bolted securely to modular body frame members and floor. The attachment bolts shall be a minimum 1/4" machine grade bolts. All fasteners and washers shall be stainless steel, or coated to protect from corrosion or another non-corrosive material. All cabinets must be removable for ease of future interior modification. The vehicle shall meet or exceed AMD Standard 006, "Sound Level Test Code for Ambulance Compartment Interiors" and AMD Standard 007, "Carbon Monoxide Levels for Ambulance Compartment Interiors".			
138	**Cabinet Warranty** The interior cabinet warranty shall be for a period of fifteen years.			
139	**Matte Finish Interior Formica** The interior wall paneling shall be laminated with a matte finish plastic laminate. The edges shall be finished smooth and all joints fitted. Colors shall be determined at the prebuild conference			
140	**1/4" Clear Polycarbonate Sliding Doors on Cabinets:** There shall be quarter inch clear polycarbonate sliding cabinet doors on all interior cabinets. The sliding door handle shall be made from an aluminum extrusion and shall run the full length of the polypropylene door. The full length door handle corners shall be cut at forty-five degrees			
141	**Seam Sealed Seat Cushions and Head/Back Cushion Areas:** All cushions shall be made of 2-inch-high density foam. The foam shall be attached to a low density PVC board to minimize transmission of blood borne pathogens. Cushions will be covered by not less than 32oz. enduratex vinyl. There shall be no piping or seams on the inboard edge of the cushions. To enhance cleaning and disinfecting, the upholstery shall not include any stitched pattern on the outer surface of the material. The cushions shall be installed using heavy-duty Velcro to allow for easy cleaning and removal.			
142	**DOT Floor Rolled 4" Up Side Walls**: On top of the .125" extruded aluminum floor surface, shall be 9 mm underlayment sheeting. This sheeting shall be both glued and screwed in place. Indentations from screw heads shall be filled with wood putty to provide a smooth solid surface. The patient compartment floor shall be covered with a heavy duty, commercial grade vinyl. The flooring shall meet ASTM F1303-95 and NFPA 253. The flooring shall also have an antimicrobial formulation to inhibit growth of Staphylococcus aureus, Bacillus subtilis, Escherichia coli, and			

	SPECIFICATION	Meets	Does Not Meet	Comments
	Psuedomonas aeruginosa. All edges shall be formed into a curved radius extending upward a minimum of 4" on each side of the patient compartment to facilitate cleaning. A plastic cove molding shall be utilized on the reverse side of the flooring to provide support under the radiused portion of the flooring. Flooring shall fit flush with the side interior cabinetry laminate without the use of added trim moldings. **Flooring that requires the use of additional molding to trim all floor edges is unacceptable due to the difficulty in preventing dirt, bacteria, mold, mildew, and blood borne pathogens from collecting around and behind the trim pieces.** All joints shall be sealed with a silicone sealer.			
143	**Welting Between Cabinet Sections** There shall be color matched automotive grade welting placed between the cabinet sections			
144	**Corian Counter Tops With 1" Lip & Accent Stripe** The counter top shall be a Corian one piece, seamless, nonporous, nonmetallic solid surface material with a formed recessed center area to contain equipment, supplies, and fluids when vehicle is in motion. The counter top lip shall be a minimum of one inch. Colors shall be determined at the prebuild conference.			
145	**Stryker Dual Mount Cot** Stryker cot shall be provided by GJFD. Stryker cot shall be center or side mounted in the patient compartment. The cot fastener installation must meet or exceed AMD Standard 004, Litter Retention System			
146	**L.R.O. Cabinet with Speed Load Door** There shall be a left rear overhead cabinet with speed load polycarbonate doors installed. The bottom of the cabinet is to be sweep-out style. The cabinet door frame shall be secured at the top by a full length piano hinge. The entire frame shall hinge upward and be held in place by gas piston hold-open devices. The cabinet frame shall be held in the down position by two spring-loaded dead bolt style slide catches. The vertical ends of the speed load framed cabinet will have EPDM rubber foam to protect the handles from damage. All speed load cabinets that are taller than 23" and wider than 32" shall have a 1/8" x 1-1/2" anodized aluminum support. The actual dimensions shall be decided at the prebuild conference.			
147	**Cabinet above the Side Seat with Sliding Polycarbonate Door** There shall be two (2) cabinets above the driver side CPR seat with sliding polycarbonate doors installed. The sliding door handle shall be made from an aluminum extrusion and shall run the full length of the Plexiglas door. The full length door handle corners shall be cut at forty-five degrees. The vertical ends of the framed cabinet will have EPDM rubber foam to protect the handles from damage. The actual dimensions shall be decided at the prebuild conference			
148	**L.F.O. Cabinet with Speed Load Door** There shall be a left front overhead cabinet with speed load polycarbonate doors			

	SPECIFICATION	Meets	Does Not Meet	Comments
	installed. The bottom of the cabinet is to be sweep-out style. The cabinet door frame shall be secured at the top by a full length piano hinge. The entire frame shall hinge upward and be held in place by gas piston hold-open devices. The cabinet frame shall be held in the down position by two spring-loaded dead bolt style slide catches. The vertical ends of the speed load framed cabinet will have EPDM rubber foam to protect the handles from damage. All speed load cabinets that are taller than 23" and wider than 32" shall have a 1/8" x 1-1/2" anodized aluminum support. The actual dimensions shall be decided at the prebuild conference			
149	**Action Area Cabinet with Sliding Polycarbonate Door** Y___N___ There shall be an action area cabinet with sliding polycarbonate doors installed. The sliding door handle shall be made from an aluminum extrusion and shall run the full length of the polycarbonate door. The full length door handle corners shall be cut at forty-five degrees. The vertical ends of the framed cabinet will have EPDM rubber foam to protect the handles from damage. The actual dimensions shall be decided at the prebuild conference.			
150	**Side Facing CPR Seat with Rear Hinged Lid for Storage** Y___N___ A seat approximately 44" wide with rear hinged lid allowing for cabinet storage shall be recessed into the street side cabinet wall directly rearward of the main action area. A 2" thick foam seat cushion, a backrest, a left and a right thigh protection cushion all covered with heavy-duty vinyl shall also be provided. There shall be no piping on the cushions to accumulate contaminated material. All seams shall be sealed to repel contaminants. A seat belt with outside wall-mounted retractors shall be provided. Upper cabinets shall have left and right head protector cushions to match the seat cushion. Seat shall have two (2) lap belt restraint systems.			
151	**Attendant Seat:** A Serenity Guardian Safety Seat shall be fitted at the front of the patient compartment. The seat shall be color coordinated.			
152	**Rear Facing Electrical Cabinet and Door** A storage cabinet shall be installed on the left front wall behind the rear facing attendant seat. Access shall be gained from behind the attendant seat. This cabinet shall be for storage of the Power Distribution Center.			
153	**Right Front Upper ALS Cabinet with Wood/ Polycarbonate Doors** A storage cabinet shall be installed on the (passenger side) right front wall. The upper section shall allow for equipment to be accessed from either the patient compartment through wood doors with a set-back polycarbonate insert or, through an exterior compartment door. The cabinet shall have one (1) adjustable shelf. The			

	SPECIFICATION	Meets	Does Not Meet	Comments
	actual dimensions shall be decided at the pre build conference			
154	**Cabinet Drawer:** There shall be two (2) interior cabinet drawers installed between the upper and lower ALS cabinets. Drawers shall be made primarily from aluminum and have a 25 LB, or similar, pull to open with a locked out position. Dimensions shall be determined at prebuild.			
155	**Right Front Lower ALS Cabinet with Wood/ Polycarbonate Doors** A storage cabinet shall be installed on the (passenger side) right front wall. The lower section shall allow for equipment to be accessed from either the patient compartment through wood doors with a set-back polycarbonate insert or, through an exterior compartment door. The cabinet shall have one (1) adjustable shelf. The actual dimensions shall be decided at the pre build conference.			
156	**Top R.F.S. Cabinet W/Top Hinged Wood Door ILOS Heat/AC** There shall be a cabinet mounted above upper right front stack cabinet. The cabinet shall have a top hinged wood door installed. The actual dimensions shall be decided at the pre build conference			
157	**Open Portable Oxygen Storage On the Aisle Side Of The R.F.S.** There shall be a storage compartment capable of holding two (2) “d” side oxygen bottles on the aisle side of the right front stack cabinet. Compartment shall have positive control of the cylinders for safety and to prevent any extra noise during vehicle movement			
158	**Curbside Squad Bench with 2 Piece Lid and Divider** The ambulance shall be equipped with a squad bench approximately 73" long by 22" wide. The squad bench lid shall have a 2" foam pad covered with color coordinated heavy-duty vinyl. The squad bench lid shall be two-piece 70/30 split, with center divider, and have two heavy-duty, gas piston hold-open devices. The lids shall be attached to the bench with a continuous hinge. Each lid shall have a self-latching device. There shall be no piping and all seams shall be sealed to preclude absorption of contaminants. These cushions shall be installed with industrial grade, plastic hook and loop Velcro for easy removal and cleaning. Three sets of encased restraint lap and seat belts shall be installed on the squad bench. Retractors shall be installed against the outer wall.			
159	**Squad Bench-Head End Retention System:** The head of the squad bench shall have a net installed. The net shall be mounted using a minimum of four (4) points. A removable sharps and waste can shall be attached to end of the Squad bench.			
160	**Squad Bench Backrest Cushion** There shall be a backrest covering the wall directly behind the squad bench. This backrest shall be a minimum of 2" thick and shall be constructed of high-density foam and heavy-duty automotive			

	SPECIFICATION	Meets	Does Not Meet	Comments
	grade vinyl. There shall be no piping and all seams shall be sealed to repel contaminated material.			
161	**Bandage Cabinet with Speed Load Door** There shall be a single section bandage cabinet with speed load doors mounted above the squad bench. The bottom of the cabinet is to be sweep-out style. The cabinet door frame shall be secured at the top by a full length piano hinge. The entire frame shall hinge upward and be held in place by gas piston hold-open devices. The cabinet frame shall be held in the down position by two spring-loaded dead bolt style slide catches. The vertical ends of the speed load framed cabinet will have EPDM rubber foam to protect the handles from damage. The actual dimensions shall be decided at the prebuild conference.			
162	**Glove Box Cut-Out in Front Section of Squad Bench** There shall be three (3) glove box cutout(s) with positive control and easy access.			
163	**Street side Ceiling Grab Rail** There shall be a formed 2" diameter brushed aluminum overhead assist rail. It shall be located on the ceiling over the patient area. This rail shall be a minimum of 70" long.			
164	**Curbside Ceiling Grab Rail** There shall be a formed 2" diameter brushed aluminum overhead assist rail. It shall be located over the squad bench. This rail shall be a minimum of 60" long.			
165	**Formed Door Assist Rails Mounted On the Hinge Side** There shall be 2" diameter brushed aluminum entrance door grab handles installed on the curbside and both rear entry doors. Handles shall provide safe entry from the street level and safe exit from the patient floor. Shape is negotiable and is to be determined at prebuild conference.			
166	**Formed Assist Rail on the Left Rear Wall** There shall be a formed 2" diameter brushed aluminum grab assist handrail. It shall be located at the left rear wall.			
167	**Rubber Recessed IV Brackets** There shall be two CPI model IV 2008 recessed rubber, or equivalent, non-swinging type IV hangers that fold flat when not in use mounted in the ceiling over the lower portion of the patient area. They shall be bolted to the roof framing structure			
168	**Digital Clock in the Action Area (Battery)** There shall be a digital clock with second hand/seconds countdown capability mounted above the rear double doors on the inside. The actual location shall be decided at the prebuild conference.			
169	**Drop in Sharps in the Telemetry Area** There shall be a drop in style sharps container mounted in the telemetry area. The actual location shall be decided at the prebuild conference.			
170	**Static Module Fresh Air Intake Vent** A filtered fresh air intake shall be mounted on the upper right front (passenger side) corner of the modular body. The heater / air conditioner			

	SPECIFICATION	Meets	Does Not Meet	Comments
	fans shall control the intake of fresh air. The system shall be a constant flow style with a thermostat to control heating and cooling, therefore providing a fresh environment throughout the patient compartment. The air return system shall be located within the right front cabinetry. This cabinetry shall include an integral plenum wall and duct system. This system shall allow the blower fans to pull air from the floor, thereby speeding the process of heating/cooling and therefore provide a consistent temperature at all levels of the patient compartment.			
171	**12 Volt Powered Exhaust Fan (Single Speed-750 System):** A power exhaust vent fan shall be installed in the rear upper wall below the roofline. The fan shall be controlled from the rear control switch panel. The vent shall be filtered and located on the rear outside body sidewall. The front fresh air intake vent and the rear (power) exhaust vent shall provide efficient cross through patient compartment ventilation. The exhaust fan shall have a minimum of 100 CFM.			
172	**12 Volt Pro Air Thermostat Controlled Rear Heat/AC Unit:** An auxiliary patient compartment AC unit shall be installed. The control switch for the patient compartment heater / air conditioner shall be installed in the main patient area. There shall be a digital thermostat mounted in the patient area to select interior temperature. The heat or air conditioner mode shall be selected automatically by the temperature setting of the thermostat. A manual heater shutoff control shall be located in an easily accessible area to provide servicing of the rear heater without draining the entire system.			
173	**Oxygen System** Flexible oxygen hose from the oxygen compartment to the oxygen outlets shall be certified hose with brass fittings. The entire system shall be subjected to a four hour, 150 PSI leak test and then certified			
174	**Action Area Oxygen Outlet** There shall be one Ohio style oxygen outlet and one air Chemtron outlet located on the back wall of the front action area.			
175	**Ceiling Mounted Oxygen Outlet** There shall be one Ohio style oxygen outlet located in the Ceiling of the module in the area above the patients' head			
176	**Right Wall Mounted Oxygen Outlet** There shall be one Ohio style oxygen outlet located on the right interior wall at head of squad bench midway between the squad bench and the ceiling.			
177	**Interior Oxygen Access/Viewing Door** Access to the oxygen cylinder gauge shall be provided through a hinged 7” x 16” Plexiglas door with a passive latch mechanism. The door shall be located on the inside of the patient compartment opposite the exterior oxygen compartment			
178	**Oxygen Tank Retention System:** "K" size, oxygen bottle lift and cradle system shall incorporate a tank retention system that meets or exceeds AMD Standard 003.			

	SPECIFICATION	Meets	Does Not Meet	Comments
179	**Electric Solenoid Oxygen Valve.** An electric oxygen solenoid valve shall be installed in the oxygen compartment. A manual override valve shall also be included.			
180	**Oxygen Regulator (Ea):** A CGA 540 main oxygen tank regulator shall be included with the ambulance.			
181	**Oxygen and Air Flow meter (Ea):** Two (2) wall mounted oxygen flow meters, one (1) wall mounted air flow meter and one (1) ceiling oxygen flow meter designed to provide metered oxygen from any 50psi source with a flow rate from 0 to 15 LPM shall be included			
182	**Oxygen Wrench:** An oxygen wrench shall be mounted in the oxygen compartment.			
183	**12 Volt Suction Pump with Action Area Switch** A permanent on board suction system shall be installed. The system shall include a quick disconnect outlet mounted on the back wall of the action area and a 12 volt suction pump to be mounted in the power distribution cabinet. The system shall be controlled from the action area switch panel			
184	**Action Area Suction Outlet** An Ohio style suction outlet shall be mounted on the back wall of the front action area.			
185	**Suction Unit** A permanent on board suction system shall be installed. The system shall include a quick disconnect outlet mounted on the back wall of the front action area and an electric suction pump. The system shall be controlled from the action area by a switch. The suction regulator and adjustment valve shall be an Impact brand 303K, or equivalent, and be mounted on the back wall of the front action area. The collection bottle shall be a wall mounted disposable Bemis (or equivalent) collection bottle mounted on the back wall of the front action area.			
186	**Standard Dupont Imron Paint Process and Warranty** The ambulance manufacturer shall use Poly-Urethane Dupont Imron paint. Please note, that because of the importance of proper paint preparation and application, any differences in materials, preparations or procedures must be noted and explained in detail. Non-compliance with this requirement will result in immediate rejection of entire bid response. Prior to assembly, all joints and seams shall be back-primed with a self-etching epoxy type primer. All welds shall be ground smooth prior to priming. The entire body shall be sanded and then washed with a silicone remover and degreaser prior to application of the primer. This process significantly aids in proper adhesion of the primer. The following steps must be followed in sequence to properly apply paint to the ambulance. 1) SURFACE PREP Clean entire modular body with 3919S Prep sol using the two-cloth method Wipe with a clean cloth wet with 3919S			

	SPECIFICATION	Meets	Does Not Meet	Comments
	While still wet, wipe the body clean with a second dry and clean cloth D.A. Sand with 180-grit paper Sand the body thoroughly until bright Hand sand edges thoroughly until bright with 180-grit sandpaper Final sand body with 120 or finer grit paper Blow off dust from body using air gun Clean body with 3939S using the two-cloth method to remove dust and contaminants Step 1 is essential in achieving proper adhesion and corrosion protection 2) PRIMING: Tack off the unit Spray one double coat or two medium wet coats of 615S self-etching primer. 1.2 mils DFT is required Allow 30 minutes dry time Apply three wet coats of 1140S URO Primer Wet film thickness shall be 6 mils Allow a minimum of 5 minutes between coats Drying time before sanding: overnight air dry or bake for 45 minutes @ 140 degrees and allow 45 minute cool down 3) SANDING Block sand with 280-grit sandpaper Blow off body with air gun Clean any sand through areas with 3939S using the two-cloth method Reprime sand-through areas with three coats of 615S self-etching primer Block sand with 400-grit sandpaper followed by 500-grit sandpaper Dry film thickness after sanding shall be a minimum 2.0 mils. 4) PRE TOPCOAT PREPARATION Blow off body with air gun to remove dust Wipe with 3939S using two-cloth method Seam seal with non-shrinking silicone free seal Clean body with 3939S using the two-cloth method Final wipe with a third clean cloth to remove any further residue (All wipe down shall be done in a downdraft paint booth) Tack rag unit 5) TOPCOAT PROCEDURE Mix IMRON polyurethane paint with 193S activator Apply two medium wet cross coats to the entire body Bake body for 90 minutes at 165 degrees Topcoat shall have 2.5 mils DFT Total topcoat and primer shall be 5.7 mils DFT Base Paint Y___N___			

	SPECIFICATION	Meets	Does Not Meet	Comments
	There shall be a minimum of two separate coats of DuPont IMRON 5000/6000 paint. The body shall be painted to match the chassis color. All DuPont, manufacturer recommended procedures shall be followed, and documentation shall be available to certify compliance. Paint Warranty Y___N___ A paint warranty between DuPont, the ambulance manufacturer, and the end user shall be provided. The warranty shall be for a period of three years. This warranty shall be a non-prorated warranty. **WARRANTIES THAT INCLUDE A METHOD OF PRORATING SHALL BE UNACCEPTABLE**. The warranty shall be honored at any DuPont authorized body shop. The vehicle need not be returned to the ambulance manufacturer for warranty paint repairs.			
187	**O.E.M. Red Chassis Color** The chassis shall be OEM PPGredFBCH71096ALT.			
188	**O.E.M. Red Module Body Color**: The module body shall match the chassis PPGredFBCH71096ALT			
189	**Do Not Paint the Nader Pins/Install after Paint Process** All door nadar pins shall not be painted. They shall be installed after the paint process is completed			
190	**Install Roof "SOL" Decal Only (Delete All Other Decals)** Manufacturer shall install the roof Star of Life decal only. The remaining Star of Life decals shall be deleted.			
191	**"NO SMOKING" - "FASTEN SEAT BELT" Decals** No smoking and Fasten seat belt decals shall be installed.			
192	**Striping:** There shall be a White Reflective 3M tape stripe and lettering. A chevron shall be on the rear of the ambulance. Design of striping and lettering to be determined by purchaser			
193	**Knox Box:** A Knox Box Model 2644 shall be installed. Location to be determined at pre build conference.			
194	**Computer:** Mounting location to be determined at pre build conference.			
195	**WARRANTY:** A paint warranty between the ambulance manufacturer and the end user shall be provided. The warranty shall be for a minimum of three years. This warranty shall be a non-prorated warranty. The warranty shall be honored at any authorized body shop. The vehicle need not be returned to the ambulance manufacturer for warranty paint repairs.			
196	**WARRANTY:** OEM Standard - one year minimum on complete unit. **Indicate Warranty** _____ Include OEM Warranty with bid.			

	SPECIFICATION	Meets	Does Not Meet	Comments
	• Engine and Power Train, minimum _____ year, 300,000 parts and labor. Allison transmission, minimum _____ year unlimited. ALL WARRANTY WORK SHALL BE PERFORMED LOCALLY BY AN AUTHORIZED DEALERSHIP Bidder shall supply documentation of warranties on all equipment stated in these specifications upon delivery of unit. Truck Chassis manufacturer shall maintain OEM licensed dealership and authorized service center within (50) fifty miles of the working location of the machines offered. This facility must be staffed with qualified servicemen and have provisions for storing a representative supply of parts for machine's offered as well as provisions for securing parts from the manufacturer within a reasonable length of time (48 hours max). State name and contact person of authorized dealership.			
197	**Two (2) Operator's Manuals plus one in CD format**			
198	**Two (2) Wiring Diagram Manuals**			
199	**CERTIFICATION:** The ambulance must comply with all KKK-1822 D requirements and the appropriate placard attached to the oxygen compartment			
200	**EXCEPTIONS TO SPECIFICATIONS:** Bidder shall list on a separate sheet of paper and variations from, or exceptions to the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications" and shall be the last page attached to the bid.			

SECTION 5.0: EVALUATION CRITERIA AND FACTORS

5.1 **Evaluation:** An evaluation team shall review all responses and select the proposal or proposals that best demonstrate the capability in all aspects to perform the scope of services and possess the integrity and reliability that will ensure good faith performance.

5.2 **Intent:** Only respondents who meet the qualification criteria will be considered. Therefore, it is imperative that the submitted proposal clearly indicate the firm's ability to provide the services described herein.

5.3 **Evaluation Criteria:** Submittal evaluations will be done in accordance with the criteria and procedure define herein. The Owner reserves the right to reject any and all Proposals. The following parameters will be used to evaluate the submittals (in no particular order of priority):

- Responsiveness to RFP
- Meet or Exceed Specifications
- Cost
- Delivery
- Ability to meet optional specifications

5.3 **Oral Interviews:** The Owner may invite the most qualified rated proposers to participate in oral interviews or product demonstrations.

5.4 **Award:** Firms shall be ranked or disqualified based on the criteria listed in Section 6.2. The Owner reserves the right to consider all of the information submitted and/or oral presentations, if required, in selecting the project Contractor.

SECTION 6.0: SOLICITATION RESPONSE FORM

The Owner will receive electronic bids through the Rocky Mountain E-Purchasing website, www.bidnetdirect.com/colorado prior to the date and time indicated on the front of this **RFP-4401-17-SH** document at which time the bids will be publicly opened and read, for furnishing the materials, supplies, equipment and/or services, as shown below and/or attached hereto: **FOB DESTINATION** delivered at Grand Junction, Colorado. **TRANSPORTATION CHARGES PREPAID.** All in accordance with the bid conditions, special provisions, and specifications attached or as indicated below.

Purchasing Representative: Susan Hyatt susanh@gjcity.org 970-244-1513

6.1 PROPOSED PRICE for One (1), New, Type IAD Ambulance as described:$_____

Extended for three: $_____

Written: _____ Dollars

Year/Manufacture/Model No.: _____

- -

6.2 DELIVERY: State expected delivery time after receipt of order. _____ days ARO

ORDER CUTOFF DATE (Please specify the order cutoff date if any): _____

WARRANTY: Specify Warranty and **supply manufacturer's documentation**:

_____

_____

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6.3 OPTIONAL SPECIFICATION ITEMS: Please quote the following options separately:

1. **Diesel Engine**, 6.2-6.8 litre with engine after treatment devices as appropriate for diesel with automatic over the road regeneration and dash mounted regeneration request switch. **$**_____
2. **Liquid Spring Suspension/Automatic Drop System:** to lower rear doors of patient compartment to allow accessible height for loading and unloading patient gurney. Maximum drop time shall be ten (10) seconds. Suspension drop "on/off" switch shall be provided. Switch location to be determined at prebuild conference **$**_____

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6.4 OPTIONAL PURCHASE: The City of Grand Junction intends to purchase a third ambulance in 2019. Will you agree to honor the price above on this additional unit? _____

- -

6.5 OPTIONAL LEASE UNITS: The Grand Junction Fire Department is interested in a lease option for two Ambulances to use until the units priced above are delivered. Please state the details of each unit you are offering for lease:

$_____/mo. Lease Number 1

Year/Manufacture/Model No.: _____

$_____/mo. Lease Number 2

Year/Manufacture/Model No.: _____

- -

6.6 ADDENDA: State number of Addenda received: _____.

- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of _____percent of the net dollar amount will be offered to the City if the invoice is paid within _____ days after the receipt of the invoice.
- The undersigned certifies and agrees that this Proposal is submitted in accordance with all applicable Federal, State, County, and City laws.
- The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.

6.7 DATE_____

_____	_____
(Company Name of Bidder – Typed or Printed)	(Phone Number of Bidder)
_____	_____
(Address of Bidder)	(Authorized Dealer Agent – Typed or Printed)
_____	_____
(City, State, and Zip Code)	(Authorized Signature)

_____
(E-mail Address of Agent or Sales Contact)