

SUBMIT BIDS TO:	CITY OF TUSCALOOSA P.O. BOX 2089 TUSCALOOSA, AL 35403	PURCHASING OFFICE 2201 UNIV. BLVD. TUSCALOOSA, AL 35401	INVITATION TO BID								
BID TITLE Two (2) – Type I Ambulances with 14’ Generator Powered Module			BID NO. 6011-072321-1								
PAGE 1 OF 24 PAGES	BIDS WILL BE OPENED AT 2:00 PM ON JULY 23, 2021 IN THE OFFICE OF THE PURCHASING AGENT, 2201 UNIVERSITY BLVD. TUSCALOOSA, AL 35401 AND MAY NOT BE WITHDRAWN FOR THIRTY (30) DAYS AFTER SUCH DATE & TIME.		ISSUE DATE 07/12/2021								
 <p style="text-align: center;"><u>MAYOR</u> WALT MADDOX</p> <p style="text-align: center;"><u>COUNCIL MEMBERS</u></p> <table border="0" style="width: 100%;"> <tr> <td>MATTHEW WILSON</td> <td>KIP TYNER</td> </tr> <tr> <td>RAEVAN HOWARD</td> <td>JOHN FAILE</td> </tr> <tr> <td>NORMAN CROW</td> <td>VACANT</td> </tr> <tr> <td>LEE BUSBY</td> <td></td> </tr> </table> <p style="text-align: center;"><u>PURCHASING AGENT</u> AMANDA GANN</p>		MATTHEW WILSON	KIP TYNER	RAEVAN HOWARD	JOHN FAILE	NORMAN CROW	VACANT	LEE BUSBY		Vendor Information (SECTION TO BE COMPLETED BY VENDOR) <hr/> Company Name (Please Print) <hr/> Phone Number Fax Number <hr/> Email Address	
MATTHEW WILSON	KIP TYNER										
RAEVAN HOWARD	JOHN FAILE										
NORMAN CROW	VACANT										
LEE BUSBY											

GENERAL CONDITIONS OF INVITATIONS TO BID

1. PREPARATION OF BIDS

Bids will be prepared in accordance with the following:

- (a) Our enclosed Bid forms are to be used in submitting your bid.
- (b) All information required by the Bid form shall be furnished. The bidder shall print or type his name and manually sign the schedule and each continuation sheet on which any entry is made.
- (c) Unit prices shall be shown and where there is an error in extension of price, the unit price shall govern.
- (d) Proposed delivery time must be shown and shall include Sundays and holidays.
- (e) Bidder will not include federal taxes nor State of Alabama sales, excise, and use taxes in bid prices as the City is exempt from payment of such taxes. An exemption certificate will be signed where applicable upon request.
- (f) Bidders shall thoroughly examine the drawings, specifications, schedule, instructions and all other contract documents.
- (g) Bidders shall make all investigations necessary to thoroughly inform themselves regarding plant and facilities for delivery of material and equipment as required by the bid conditions. No plea of ignorance by the bidder of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the bidder to make the necessary examinations and investigations, or failure to fulfill in every detail the requirements of the contract documents, will be accepted as a basis for varying the requirements of the City or the compensation to the vendor.
- (h) Bidders are advised that all City Contracts are subject to all legal requirements provided for in the Purchasing ordinance and/or State and Federal Statutes.

2. DESCRIPTION OF SUPPLIES

- (a) Any manufacturer's names, trade names, brand name, or catalog numbers used in specifications are for the purpose of describing and establishing general quality levels. SUCH REFERENCES ARE NOT INTENDED TO BE RESTRICTIVE. Bids will be considered for any brand which meets the quality of the specifications listed for any items.
- (b) Bidders are required to state exactly what they intend to furnish, otherwise they shall be required to furnish the items as specified.
- (c) Bidders will submit, with their proposal, data necessary to evaluate and determine the quality of the item(s) they are bidding.

3. SUBMISSION OF BIDS

- (a) Bids and changes thereto shall be enclosed in sealed envelopes addressed to Amanda Gann, Purchasing Agent, 2201 University Blvd., Tuscaloosa, Alabama 35401. The name and address of the bidder, the date and hour of the bid opening and the material or service bid on shall be placed on the outside of the envelope.
- (b) Bids must be submitted on the forms furnished. Telegraphic bids will not be considered.

4. REJECTION OF BIDS

- (a) The City may reject a bid if:
 - 1. The bidder misstates or conceals any material fact in the bid, or if,
 - 2. The bid does not strictly conform to the law or requirement of bid, or if,
 - 3. The bid is conditional, except that the bidder may qualify his bid for acceptance by the City on an "all or none" basis, or a "low item" basis. An "all or none" basis bid must include all items upon which bids are invited.
- (b) The City may, however, reject all bids whenever it is deemed in the best interest of the City. The City may also waive any minor informalities or irregularities in any bid.

5. WITHDRAWAL OF BIDS

BID NO. 6011-072321-1

Signature _____

- (a) Bids may not be withdrawn after the time set for the bid opening for a period of time as specified.
- (b) Bids may be withdrawn prior to the time set for the bid opening.
- 6. LATE BIDS OR MODIFICATIONS**
- (a) Bids and modifications received after the time set for the bid opening will not be considered.
- (b) Modifications in writing received prior to the time set for the bid opening will be accepted.
- 7. CLARIFICATIONS OR OBJECTION TO BID SPECIFICATIONS**
- If any person contemplating submitting a bid for this contract is in doubt as to the true meaning of the specifications or other bid documents of any part thereof, he may submit to the Purchasing Agent on or before five (5) days prior to scheduled opening a request for clarification. All such requests for information shall be made in writing and the person submitting the request will be responsible for its prompt delivery. Any objection to the specifications and requirements as set forth in this bid must be filed in writing with the Purchasing Agent on or before five (5) days prior to scheduled opening.
- 8. DISCOUNTS**
- (a) Bidders may offer a cash discount for prompt payment; however, such discounts shall NOT be considered in determining the lowest net cost for bid evaluation purposes. Bidders are encouraged to reflect cash discounts in the unit prices quoted.
- (b) In connection with any discount offered, time will be computed from the date of receipt of supplies or services or from the date a correct invoice is received, whichever is the later date. Payment is deemed to be made on the date of mailing of the check.
- 9. SAMPLES**
- Samples, when required, must be submitted within the time specified at no expense to the City of Tuscaloosa. If not destroyed or used up during testing, samples will be returned upon request at the bidder's expense, unless stated otherwise in Special Conditions or Specifications. Each individual sample must be labeled with bidder's name and manufacturer's brand name and number.
- 10. AWARD OF CONTRACT**
- (a) The contract will be awarded to the lowest responsible bidder based upon the following factors: quality; conformity with specifications; purpose for which required; terms of delivery; transportation charges; dates of delivery.
- (b) The city reserves the right to accept and award item by item, and/or by group, or in the aggregate, unless the bidder qualifies his bid by specified limitations. Re Par.4(a)3.
- (c) If two or more bids received are for the same total amount or unit price, quality and service being equal, the contract shall be awarded to a local bidder.
- (d) Prices quoted must be FOB Destination to Tuscaloosa with all transportation charges prepaid unless otherwise specified in the Invitation to Bid.
- (e) A written award of acceptance (Purchase Order), mailed or otherwise furnished to the successful bidder shall result in a binding contract.
- 11. DELIVERY**
- (a) Deliveries are to be FOB Destination unless otherwise specified in the Invitation to Bids.
- (b) Deliveries are to be made during regular business hours.
- 12. CONDITION OF MATERIALS AND PACKAGING**
- All items furnished must be new and free from defects. No others will be accepted under the terms and intent of this bid. All containers shall be new and suitable for storage or shipment, and price bid shall include standard commercial packaging.
- 13. CLAIMS**
- Successful bidder(s) will be responsible for making any and all claims against carriers for missing or damaged items.
- 14. LOCAL, STATE, AND FEDERAL COMPLIANCE REQUIREMENTS**
- Bidders shall comply with all local, state, and federal directives, orders and laws as applicable to this bid and subsequent contract(s).
- 15. PROVISION FOR OTHER AGENCIES**
- Unless otherwise stipulated by the bidder, the bidder agrees when submitting his bid to make available to all City agencies, departments, and in-city municipalities the bid prices he submits, in accordance with the bid terms and conditions, should any said department, agency, or municipality wish to buy under this proposal.
- 16. COLLUSION**
- The bidder, by affixing his signature to this proposal, agrees to the following: "Bidder certifies that his bid is made without previous understanding, agreement, or connection with any person, firm, or corporation making a bid for the same items and is in all respects fair, without outside control, collusion, fraud, or otherwise illegal action".
- 17. VARIANCE IN CONDITIONS**
- Any and all special conditions and specifications attached hereto which vary from General Conditions shall have precedence.
- 18. MINORITY / DISADVANTAGED BUSINESS ENTERPRISE PROGRAM**
- The City of Tuscaloosa has voluntarily adopted a Minority / Disadvantaged Business Enterprise ("MBE/DBE/WBE") Program called Tuscaloosa Builds, which is designed to encourage the participation and development of minority and disadvantaged business enterprises and to promote equal business opportunities to the fullest extent allowed by state and federal law. To learn more about this program, visit the City's website at www.tuscaloosa.com.

SPECIAL CONDITIONS

The General Conditions of Invitations to Bid and any Special Conditions stated shall be considered as part of the specifications of the bid.

Reference to brand names and numbers is descriptive, but not restrictive, unless otherwise specified. Bids on equivalent items meeting the standards of quality thereby indicated will be considered, providing the bid clearly describes the article offered and indicates how it differs from the referenced brands. Descriptive literature and manufacturer’s specifications plus any supplemental information necessary for comparison purposes must be submitted with the bid or the bid on that item will be rejected. Reference to literature submitted with a previous bid or on file with the Division of Purchasing will not satisfy this requirement. The burden is on the bidder to demonstrate that the item bid is equivalent to the item specified in the ITB. Any exceptions taken to any item(s) must be fully explained in written detail on bidders’ letterhead and attached to the bid when submitted.

Awards shall be made or contracts entered into with the lowest responsible bidder(s) meeting all specifications and terms and conditions established by the Division of Purchasing. The Division of Purchasing reserves the right to determine the lowest responsible bidder on the basis of an individual item or group of items. Delivery dates may be a factor in awards. Pursuant to 41-16-57 Code of Alabama, 1975 provided there is no sacrifice or loss in price or quality, preference shall be given to commodities produced in Alabama or sold by Alabama Person, Firms, or Corporations.

BID BOND: Each bidder must submit with their bid a certified check or bid bond in the amount of not less than five percent (5%) of the total bid amount not to exceed \$10,000.00, the payee of such check or the obligee of such bond to be the City of Tuscaloosa, Alabama. No interest will be allowed on the amount of returned check.

The issuance of a City of Tuscaloosa Purchase Order or Purchasing Card is required to constitute a contract between the vendor and the City of Tuscaloosa, which shall bind the vendor to furnish and deliver the commodities and/or services ordered at the prices, terms, and conditions quoted.

PERFORMANCE BOND: Upon presentation of bid, the successful bidder shall execute a Performance Bond with good and sufficient surety from a company duly authorized and qualified to make such bond in the State of Alabama. A Performance Bond made payable to the City of Tuscaloosa, with a penalty equal to 100 percent of the amount of the contract price and in addition thereto or in the prosecution of the project provided for in such contract and for the payment of reasonable attorneys fees incurred by any successful claimants or plaintiffs in civil actions on said bid.

Since these specifications describe an emergency vehicle that may be used under adverse conditions, the City of Tuscaloosa seeks to reduce its future liability exposure, therefore, all bidders responding to these specifications shall submit the proper Certificate of Insurance. This shall certify that the manufacturer of the vehicle bid has in force product liability insurance in a minimum amount of ten million dollars (\$10,000,000.00).

Questions concerning the bid process should be directed to Amanda Gann at (205) 248-5173 or agann@tuscaloosa.com (e-mail is preferred). Questions concerning Specifications should be directed to Deputy Chief Chris Williamson at (205) 248-5423 or cwilliam@tuscaloosa.com.

Any addendums issued for this bid will be posted on the City Of Tuscaloosa website at <http://www.tuscaloosa.com/bids>. It is the responsibility of the bidder to check this page for any addendums before submitting their bid.

Vendor to submit the following:

- Signed Special Conditions pages
- Any necessary descriptive literature and/or specifications information as outlined above and/or elsewhere in this document
- Completed and signed Specifications pages
- Completed and signed Bidder's Response Form

NOTE: Sheet(s) submitted without Company Name & Signature WILL NOT be considered for bid award.

VENDOR MUST SUBMIT AN ORIGINAL BID AND ONE COMPLETE COPY OR THE BID MAY BE REJECTED.

Bid submissions shall be submitted in a sealed envelope and addressed to: Amanda Gann, Purchasing Agent, 2201 University Blvd., Tuscaloosa, AL 35401. The name and address of the bidder, the date and hour of the bid opening and the Bid Title shall be placed on the outside of the envelope. Failure to properly address and label sealed envelope may result in bid rejection.

IMPORTANT COVID-19 INFORMATION**Electronic Submissions**

Submission of completed bid documents as .pdf documents can now be done at www.centralbidding.com. For any questions about the electronic bid document submission process, please contact City of Tuscaloosa Purchasing or Central Bidding at 225-810-4814 or support@centralbidding.com.

Submitting Bids by Hand

Bidders submitting bids by hand must enter at the City Hall complex entrance located on the 4th level of the City's Intermodal Facility parking deck; the entrance to the deck is located on 7th Street beside Government Plaza. Bidders are to turn in bids to the security guard on duty at the desk. Security will notify Purchasing that a bid has been turned in.

Note: Masks/face coverings may be required for entry into certain areas inside City Hall.

Submitting Bids by Mail/Package Carrier

Bidders who submit bids by mail or package carriers are encouraged to do the following:

1. Correctly label the outer envelope as instructed on page 3-4 of this bid document to insure proper identification and delivery to Purchasing.
2. Use a shipping method that includes tracking information and an estimated delivery time. USPS standard mailing without tracking is not recommended.
3. Don't wait until the last minute. Allow at least a day's cushion in case deliveries are delayed unexpectedly.

Note: Keep in mind that the City is not responsible for deliveries from mail/package carriers that are delivered after the bid deadline.

Bid Opening & Potential Date Change

If bidders choose to attend the bid opening, only one representative per bidder will be allowed to attend. All attendees shall be healthy and display no symptoms of sickness. Social distancing of at least six (6) feet shall be maintained. Face coverings that fully cover the nose and mouth may be required while in certain areas of all City-owned/operated facilities.

Circumstances related to COVID-19 may warrant a change to the bid opening date. Any such date change will be published in an addendum and posted on our City's website at <https://www.tuscaloosa.com/bids>. Bidders are advised to check this web page for any addendums prior to submitting their bids.

Bid results will be posted on the Bids page of the City's website within 24 hours of bid opening. Link: <https://www.tuscaloosa.com/bids>

SPECIFICATIONS

General Statements

Attention bidders: The specifications set forth by Tuscaloosa Fire Rescue are for two (2) identical Type I ambulances with generator powered modules. The main design criterion is that Tuscaloosa Fire Rescue wants each ambulance module to be powered by an under-hood generator, that is, the generator is the primary source of power for all module functions, and the truck chassis alternator/battery system serves as a backup should a generator problem occur. Tuscaloosa Fire Rescue is specifying this type of module because it desires the performance characteristics such a design provides. We realize that some bidders may have limited experience with this type of module, and thus we require a customer list. Neither the generator powered aspect of this specification, nor the specific modular construction are proprietary.

Bids submitted that do not meet all of these minimum specifications, or equal to, are subject to bid rejection. Bidders stating equal to must provide documentation to support their statement. Bidder shall choose either “YES” or “NO” for each specification item listed below by placing a check mark in the appropriate area. This form must be correctly completed and returned in order to constitute a valid bid. Failure to do this will subject your bid to rejection. ALL NO ANSWERS MUST BE FULLY EXPLAINED ON BIDDER’S LETTERHEAD.

Section 1

1.0 Grounds for Rejection:

Where it is indicated that certain information accompany the bid, failure to include such information with the bid can constitute grounds for rejection. These specifications, and any additions or clarifications, shall become part of the final contract.

Does your bid comply as written? Yes _____ No _____

1.1 Requirements on Bidder/Manufacturer:

The units quoted shall be standard production units of the manufacturer, not prototypes. A sample unit may be required to be made available for inspection.

Does your bid comply as written? Yes _____ No _____

1.2 Nominal Identification:

Each unit is designed so that the cab/chassis and the mounted, detachable, module, as described herein, shall conform nominally to a Type I, Class 1, unit as described by CAAS Ground Vehicle Standard v2.0. In the event of any conflict between this detailed specification and the referenced guideline, this specification shall prevail without exception.

Does your bid comply as written? Yes _____ No _____

1.3 Verify General Conformance:

Each unit shall generally conform to CAAS Ground Vehicle Standard v2.0. Should CAAS Ground Vehicle Standard v2.0 certification be required a copy of such certification must be available for inspection.

Does your bid comply as written? Yes _____ No _____

1.4 Intent/Technical Conference:

The successful vendor shall arrange to go over specification details prior to initial fabrication.

Does your bid comply as written? Yes _____ No _____

1.5 Manufacturer's Prior Experience:

The vendor shall have prior experience in the construction of ambulances with generator powered modules. A list of at least 25 services currently using modules in which the generator is the primary source of all module power shall be submitted with the bid. Failure to provide a list of customers with generator powered modules in use may be sufficient cause for rejection of the bid.

Does your bid comply as written? Yes _____ No _____

1.6 Ambulance Inspection:

Each ambulance may be inspected before shipment to determine compliance with the specifications and to test its ability to perform its intended use. Successful vendor shall provide notification of the expected completion date not less than ten (10) working days prior to actual completion.

Does your bid comply as written? Yes _____ No _____

1.7 Delivery:

A representative of the vendor shall coordinate final inspection of the ambulances at the factory. Representatives of Tuscaloosa Fire Rescue will inspect and take delivery from the factory. The vendor shall be required to demonstrate for each completed ambulance that the mechanical and electrical systems are to specifications and operating correctly. Further the vendor shall provide hands-on instruction on proper maintenance procedures for each vehicle, and provide one (1) copy of a comprehensive maintenance/parts manual for components, generator parts, and servicing information. The Seller expressly understands and agrees that time is of the essence and that delivery of the Vehicles and all of the related equipment in acceptable condition will be made to Purchaser at the factory within 240 calendar days after receipt of purchase order, unless negotiated. Should the work under this bid not be completed within the time specified, it is understood and agreed that there may be deducted by the Purchaser from the payment to the Seller, a sum computed at the rate of Five Hundred Dollars (\$500.00) per day, per vehicle beginning from the stated date of delivery and continuing for so long as the Vehicle remains undelivered in acceptable condition. It is understood and agreed that the above deduction is not a penalty, but money due to reimburse the City for inconvenience and damage to the general public, due to the delay in the delivery in acceptable condition of the Vehicle and is reasonable.

Does your bid comply as written? Yes _____ No _____

1.8 Brand Names:

Brand names are not intended to be restrictive but merely descriptive of the type needed. Tuscaloosa Fire Rescue shall make the final decision on the acceptability of any alternatives requested by a vendor as an "or equivalent" item.

Does your bid comply as written? Yes _____ No _____

1.9 Parts/Labor Warranty Terms:

The bidder must provide a current warranty statement with the bid, and, at a minimum the statement must provide a lifetime module structural and electrical warranty.

Component warranties will be passed through. All exclusions for misuse, wrecks, abuse, and so forth, apply.

Does your bid comply as written? Yes _____ No _____

Section 2

2.0 Specifications

2.1.1 Two (2) 2022 Ford F-550 Chassis, each to meet the following:

- Must have 7.3L gasoline engine
- Must be single cab
- Must have 108” cab-to-axle
- Must have 4x4 with electronic shift on the fly
- Must have ambulance prep package
- Must be XLT trim level
- Must be Oxford white paint
- Must have 40/20/40 split bench seat
- Must have vinyl flooring (carpet delete)
- Must have steel wheels with all terrain tires
- Must include spare wheel and tire

Does your bid comply as written? Yes _____ No _____

2.1.2 Additions to Cab/Chassis

An aluminum, powder coated console shall be provided to house switches for emergency lights, scene lights, module interior lights, rear load lights, and other switchable items.

From front to back, console should be configured in the following sequence:

- Switches
- Traffic adviser control head
- Siren
- Radio 1
- Radio 2

Does your bid comply as written? Yes _____ No _____

Kussmaul brand, or equivalent, USB charger should be installed on the console.

Does your bid comply as written? Yes _____ No _____

One (1) adjustable Havis brand, or equivalent, arm rest shall be mounted on the side of the console.

Does your bid comply as written? Yes _____ No _____

Aluminum storage pocket capable of holding a 3” binder shall be attached to the rear of the console.

Does your bid comply as written? Yes _____ No _____

Aluminum cup holder capable of holding two (2) drinks shall be attached to the front of the console.

Does your bid comply as written? Yes _____ No _____

One (1) glove box organizer capable of holding three (3) individual boxes of gloves shall be mounted to the rear wall below the pass-through window.

Does your bid comply as written? Yes _____ No _____

Two (2) 100 watt siren speakers, two (2) Whelen M4 series LED clear grille lights and two (2) Whelen M4 LED red intersection lights shall be provided and installed on a black powder coated, fully welded (not bolted together) steel bumper.

Does your bid comply as written? Yes ____ No ____

Two (2) Whelen M4 series LED red lights shall be installed on the truck fender of each unit just aft of the headlights.

Does your bid comply as written? Yes ____ No ____

Each front bumper shall be extended so as to be capable of supporting a frame mounted winch; two (2) front tow hooks will be added to the bumper; two pad eyes will be mounted below the rear doors of each module.

Does your bid comply as written? Yes ____ No ____

Each chassis shall have a back-up alarm and mud flaps.

Does your bid comply as written? Yes ____ No ____

Each chassis shall have LiquidSpring rear axle suspension with control panel mounted on dashboard. A dump bypass switch shall be provided that is easily accessible at the rear doors of each module.

Does your bid comply as written? Yes ____ No ____

In order to improve the ride quality and extend the life of the tires, all six (6) wheels and tires shall be RoadForce matched and balanced using RoadForce Elite equipment. NO EXCEPTIONS

Does your bid comply as written? Yes ____ No ____

Stainless steel wheel covers shall be furnished and installed.

Does your bid comply as written? Yes ____ No ____

Dual Dynamics Crossfire valve stem extenders shall be furnished and installed for the rear wheels of each chassis.

Does your bid comply as written? Yes ____ No ____

The side windows of each chassis shall be tinted using privacy film of 35% transparency.

Does your bid comply as written? Yes ____ No ____

Arc-Rite brand, or equivalent, running boards shall be installed. Steps shall have anti-slip texture coating applied and shall be black in color.

Does your bid comply as written? Yes ____ No ____

One (1) 10” and one (1) 12” Buell air horn shall be mounted behind the front bumper of each vehicle. The standard compressor for the air horns shall be mounted in an electrical compartment. A momentary switch shall be provided on the console to activate the air horns.

Does your bid comply as written? Yes ____ No ____

A Voyager brand, or equivalent, camera system shall be provided and installed with one (1) camera mounted on the rear wall of each module (back-up camera) and one (1) camera inside each patient compartment on the ceiling. There shall be a 7” LED screen mounted in each chassis. System will be non-recording.

Does your bid comply as written? Yes ____ No ____

Secure-Idle brand, or equivalent, anti-theft system shall be installed in each unit.

Does your bid comply as written? Yes ____ No ____

Two (2) Streamlight Survivor brand LED flashlights, orange in color, shall be furnished for each unit with the chargers installed on the truck floor in front of the console and wired to battery power.

Does your bid comply as written? Yes ____ No ____

Golight brand, or equivalent, joystick controlled LED spotlight shall be mounted to the roof of each chassis; they shall be white in color, and the joystick control shall be mounted to the headliner in each chassis cab.

Does your bid comply as written? Yes ____ No ____

Chassis seats shall be received with a heavy duty vinyl material. Original stitch patterns shall be followed as to provide the appearance of OEM material

Does your bid comply as written? Yes ____ No ____

HAAS Alert Responder-2-Vehicle digital alerting system with three (3) year subscription shall be provided and installed. NO EXCEPTIONS

Does your bid comply as written? Yes ____ No ____

Section 3

3.0 Module Specification Scope:

This specification describes an advanced module where the electrical and environmental systems operate independently of the cab-chassis electrical and environmental systems.

Does your bid comply as written? Yes ____ No ____

3.1 Mounting:

Each module shall be mounted to the truck chassis at ten (10) tie down locations - five each side of the frame. Tie down locations shall comply with the chassis manufacturer's recommendations. Mounting plates shall be 3/8" x 4" x 10" steel plates bolted to the module base frame, then bolted to the chassis rails with 5/8" grade 8 bolts (minimum 4 bolts per tie-down location). This mounting system conforms to the chassis manufacturer's recommendation for mounting second unit bodies (modules) weighing over 1800 lb.

Does your bid comply as written? Yes ____ No ____

3.2 Module Construction:

The base frame shall be constructed of 3" x 1 1/2" x 3/16" wall tubing and 3" x 3/16" wall channel. In order to limit unnecessary weight and to maintain structural strength, 6061 T6 alloy aluminum shall be used. The driver's side, passenger side, front walls, and roof structure shall be 1 1/2" x 2" x .125" tubing on 14" centers. Double tube members shall be located at all vertical corners and single tube members shall be located at all horizontal corners eliminating void areas in the corners and thereby increasing structural strength. All structural members shall have full welds at each 90° joint. The rear wall structure shall be 2" x 2 1/2" x .125" tubing.

Does your bid comply as written? Yes ____ No ____

The roof and side body panels shall be minimum .080 sheet aluminum attached firmly by VHB tape (3M or equal). Short radius trim shall cover all edges. The body shall be of sufficient strength to pass the static load test referenced in CAAS Ground Vehicle Standard v2.0.

Does your bid comply as written? Yes ____ No ____

Aluminum 1/4" and 3/8" plates shall be welded to the wall, ceiling, and floor structures to provide firm securing for installed equipment (cabinets, benches, chairs, cylinders, hand rails, seat belts, etc.).

Does your bid comply as written? Yes _____ No _____

3.2.1 Fill Tube Enclosure:

Fuel fill tubes, fully recessed, shall be provided. The design shall be in strict compliance with FMVSS #301. Fuel caps must be flush with the module. The unleaded gasoline fuel fill shall have a locking gas cap.

Does your bid comply as written? Yes _____ No _____

3.2.2 Stone Guards:

Aluminum treadbrite stone guards shall be located on all four lower outside corners of each module. Stone guards shall be formed to fit the corner structure.

Does your bid comply as written? Yes _____ No _____

3.2.3 Wheel Well Trim:

Aluminum treadbrite wheel well plates shall be provided at each rear wheel.

Does your bid comply as written? Yes _____ No _____

3.3 Overall Module Exterior Dimensions:

Length: Shall be 168" not including rear bumper or emergency lighting.

Width: Shall be 96" not including emergency lighting or scene lighting.

Height: Shall be 90" not including antennae.

Does your bid comply as written? Yes _____ No _____

3.4 Exterior Doors:

All exterior module doors shall have FMVSS 206 approved automotive-style door handles. Eberhard brand automotive style latches with free floating handle is preferred. Each door with this style latch will have an access panel on the door to easily service the latch.

Does your bid comply as written? Yes _____ No _____

Compartment doors shall be constructed of .100" aluminum formed to provide a 1 1/2" thick door. Entrance doors shall be constructed of .100" aluminum formed to provide a 2" thick door. Doors shall close on an automotive type weather strip providing watertight integrity (Unigrip SD-352, or equivalent).

Does your bid comply as written? Yes _____ No _____

All doors, except that for the HVAC compartment door, shall be insulated with a composite sound-dampening and thermal insulating material. Entrance doors shall have a horizontal reinforcement plate to retain the inside grab handle. Compartment door panels shall have an inside covering attached to the outer door lip. Entry door panels shall have an inside covering attached to the outer door lip. Each entrance door shall have a 12" long, 1 1/4" diameter stainless steel grab handle. Each rear door shall have a door hold open device (Cast Products "Grabber") mounted into aluminum plate behind the exterior skin.

Does your bid comply as written? Yes _____ No _____

3.5 Drip Rails:

There shall be a J channel style drip rail over all doors with the exception of the HVAC compartment door.

Does your bid comply as written? Yes _____ No _____

3.6 Patient Compartment Access:

Access to the patient area shall be provided by a passenger side door and two rear doors. The passenger side door opening shall be located at the passenger’s side front corner of each module and shall be a minimum of 74" high and 30" wide. The passenger’s side wall shall have a minimum 4" body drop forward of the rear wheels. The step well into each module shall be a double –step type. The rear doors shall provide a minimum opening of 56" in height and 48" in width. The passenger side door and right rear door shall have inside and outside lockable door handles. All doors shall be equipped with two point latch assemblies complying with FMVSS 206. An aluminum sheet shall be provided at the rear entrance door sill for protection of floor covering and covered with 3M (or equivalent) non-skid tape. All door latches shall be bolted with self locking nuts. In no instance will cables be allowed for linkage between the latch points and release handle. FMVSS 206 approved automotive style connecting rods with adjustability are required.

Patient area access doors shall have emergency release mechanisms to override the latches in the event of a failure.

Does your bid comply as written? Yes _____ No _____

Door hinges shall be stainless steel hinge with minimum 3/16" stainless steel pin. The passenger side door shall have a hold open device mounted at the top. Passenger side doorstep shall be lined with .100" aluminum and covered with (3M or equivalent) non-skid tape.

Does your bid comply as written? Yes _____ No _____

Padded vinyl covered head bumpers shall be above both doorways.

Does your bid comply as written? Yes _____ No _____

3.7 Exterior Windows:

Passenger side door and rear doors shall have tinted, double-pane, sliding windows with screens. The door window area shall be a minimum 16" high. The window framing shall be extruded aluminum with an inner and outer frame for clamping type installation.

Privacy film shall be applied to these windows; shall have 5% transparency.

Does your bid comply as written? Yes _____ No _____

3.8 Exterior Compartments:

Wherever shelving is used in the exterior compartments they shall be adjustable using a unistrut track.

Does your bid comply as written? Yes _____ No _____

All exterior compartments with the exception of the HVAC and rear backboard compartments shall have LED strip lighting with magnetic switching.

Does your bid comply as written? Yes _____ No _____

All exterior compartments with the exception of the HVAC and rear backboard compartments shall have gas shock hold opens.

Does your bid comply as written? Yes _____ No _____

3.8.1 Compartment A: Oxygen:

Approximate I.D. is 22" wide x 75" high x 21" deep. This compartment shall be located on the driver's side and shall start at the module front wall. An "H" oxygen cylinder shall be able to be vertically loaded through the compartment door and secured using a neck bracket and ratchet style straps. The compartment door must be vented with a stainless steel vent. This compartment shall be lighted.

One (1) cylinder changing wrench shall be installed in this compartment on a retractable chain.

Does your bid comply as written? Yes _____ No _____

3.8.2 Compartment B: Electrical:

Approximate I.D. is 24 3/8" wide x 41 3/8" high x 21" deep. This compartment shall be located at the floor line of each module on the driver's side between the Oxygen and Miscellaneous compartments. There shall be a comprehensive electrical schematic attached to the inner door panel that represents the components specific to the particular vehicle. This compartment shall be lighted.

Does your bid comply as written? Yes _____ No _____

3.8.3 Compartment C: Miscellaneous:

Approximate I.D. is 30 3/16" wide x 45 3/8" high x 21" deep. This compartment shall be located aft of the electrical compartment. This compartment shall have a full height vertical divider to accommodate storage of a Stryker stair chair. This compartment shall be lighted.

Does your bid comply as written? Yes _____ No _____

3.8.4 Compartment D: Lower Rear Driver's Side:

Approximate I.D. is 34" wide x 35" high x 21" deep. This compartment shall be located at the extreme rear of the module on the lower driver's side. There will be 0.5" aluminum flat bar welded into the back corners of the compartment from the floor to the ceiling of the compartment to provide a secure surface for SCBA bracket mounting. This compartment shall be lighted.

Two (2) SCBA brackets suitable for MSA G1 SCBA shall be provided and installed on the flat bar mentioned above. Bottom of brackets shall be 10" above the compartment floor.

Four (4) coat hooks shall be installed in this compartment. Two (2) shall be installed onto angle that is welded to the ceiling of the compartment, and one (1) shall be installed on each forward and aft wall.

Does your bid comply as written? Yes _____ No _____

3.8.5 Compartment E: Horizontal Backboard Storage:

Approximate I.D. is 19" wide x 7" high x 72" deep. This compartment shall be located at the rear of the module on the passenger side and sit on top of the wheel well. The door shall be located next to the rear exterior doors and be hinged at the right side (passenger side).

Does your bid comply as written? Yes _____ No _____

3.8.6 Compartment F: Lower Rear Passenger Side:

Approximate I.D. is 37 1/2" wide x 23" deep x 21 1/2" high. This compartment shall be located at the extreme rear of the module on the lower passenger side. This compartment shall have one shelf that is easily adjustable in height to include removal, if necessary. This compartment shall be lighted.

Does your bid comply as written? Yes _____ No _____

3.8.7 Compartment G: Passenger Side Interior/Exterior Access:

Approximate I.D. Is 33 3/4" wide x 39 1/2" high x 21" deep. This compartment shall be located aft of the passenger side entry door and forward of the rear wheels. There shall be an area below floor level approximately 33 3/4" wide x 18 1/2" high x 21" deep accessible from outside the module only. The floor shall extend to the door to provide a division between the inside and lower outside sections. The outside access door shall be hinged at the forward edge of the compartment. The interior shall be open for access to the equipment stored inside with an interior access door. The shelf of the compartment shall have an anti-skid mat. This compartment shall be lighted.

Does your bid comply as written? Yes _____ No _____

3.8.8 Locking System:

All compartment and patient access doors shall be keyed alike. The HVAC compartment service door shall be keyed differently from the module compartment and access doors. All compartment and patient access doors shall have electric lock actuators with the exception of the rear backboard, HVAC, and electrical compartments. These actuators shall be wired to the OEM key fobs and a hidden switch that is located at the driver's side front corner of the module near the diamond plate panel.

Does your bid comply as written? Yes _____ No _____

3.9 Interior Body Module:

3.9.1 Approximate Overall Interior Dimension:

Length: Measured from the front wall to the rear doors shall be 164". A minimum of 25" of unobstructed space at the head of the technician's seat to the forward edge of the cot shall be provided.

Does your bid comply as written? Yes _____ No _____

Width: Shall be 93" wall to wall. The width of the compartment at the wheel well shall be a minimum of 49".

Does your bid comply as written? Yes _____ No _____

Height: Shall be a minimum of 71" measured from floor to ceiling.

Does your bid comply as written? Yes _____ No _____

3.9.2 Interior Body Insulation:

Interior body shall be insulated with a composite sound-dampening and thermal insulating material applied to the roof and four (4) side walls and all compartment and module entry doors. All requirements for self-extinguishment shall be met.

Does your bid comply as written? Yes _____ No _____

3.9.3 Interior Floor and Covering:

Interior floor underlayment shall be a composite material consisting of two (2) pre-finished aluminum cover sheets heat-bonded to a core made of polyethylene plastic. Vinyl flooring shall extend up side-walls approximately 4" and have a smooth radius from floor to sidewall. Vinyl flooring shall be Lonseal "Loncoin II Onyx", or equivalent. Plywood or wood products are not acceptable.

Does your bid comply as written? Yes _____ No _____

3.9.4 Interior Trim and Lining:

Upper walls shall be covered with Fiberglass Reinforced Product (FRP).

The material furnished shall be completely smooth and shall be white.

The squad bench, the area from the action wall level down from the rear of the unit to the front of the unit, and the CPR seat shall be covered in stainless steel.

Does your bid comply as written? Yes _____ No _____

3.9.5 Ceiling:

Interior ceiling shall be attached to the roof structure providing a void area for recessing LEDs and other fixtures, and allowing for easy access to wiring and coax. Ceiling shall be white in color.

Does your bid comply as written? Yes _____ No _____

3.10 Interior Cabinets/Areas:

All dimensions as stated are approximate. Construction material shall be .100" aluminum.

Does your bid comply as written? Yes _____ No _____

Interior aluminum cabinets shall be finished with white powder coating. Exposed edges and corners shall be covered with padding as necessary. Metal plates welded to the wall or ceiling structures are not required in areas in which direct screw fastening to the structural frame can be accomplished.

Does your bid comply as written? Yes _____ No _____

These cabinets shall be equipped with Austin Hardware Life Defender doors.

Does your bid comply as written? Yes _____ No _____

3.10.1 Cabinet #1: Passenger Side Inside/Outside:

Approximate I.D. shall be 33" wide x 34" high x 21" deep. It shall have one shelf creating two equal levels of storage. One (1) medical grade 120VAC power strip shall be installed inside this cabinet on the forward wall.

Does your bid comply as written? Yes _____ No _____

One (1) bracket capable of securing two (2) "D" oxygen cylinders shall be installed inside this cabinet.

Does your bid comply as written? Yes _____ No _____

3.10.2 Cabinet #2: Driver's Side Action Wall/Counter top:

A false wall (45" wide x 23" high x 4" deep) shall be provided to hide radio wiring/cabling, electrical wiring, oxygen hoses, suction hoses, etc. Functions located on this wall are suction, two (2) oxygen outlets, one (1) Kussmaul USB receptacle, and a quad 120 volt outlet. There shall be a hinged aluminum panel to provide access to the area behind the false wall without removal. A stainless steel counter top shall be provided that is 56" wide x 17" deep with a 1/2" lip. A sharps container shall be located above the counter top.

Does your bid comply as written? Yes _____ No _____

Switches shall include electric oxygen system power, vent fan On/Off, interior lights On/Off, and interior lights dimmer.

Does your bid comply as written? Yes _____ No _____

3.10.3 Area #3: Driver's Side Corner:

Approximate I.D. shall be 21" wide x 24" high x 21" deep, located between cabinet #2 and #5 and on top of compartment (A) creating an open corner space. A mid-line shelf with a 1" lip shall be installed.

Does your bid comply as written? Yes _____ No _____

3.10.4 Cabinet #4: Waste Basket:

Approximate I.D. shall be 21" wide x 7 1/2" deep x 10" high, forward of the inside/outside compartment. There shall be a 12" wide x 6" deep opening centered on the top to secure a wastebasket. There shall be a wastebasket provided. Bench seat padding shall not cover this area.

Does your bid comply as written? Yes _____ No _____

3.10.5 Cabinet #5: Front Wall:

Approximate I.D. shall be 20" wide x 71" high x 12" deep. This cabinet shall be secured to the front wall and ceiling. It shall be located on the driver's side of the pass-through window and shall have storage for a Knox MedVault. Six horizontal shelves shall create seven 8" high spaces.

Does your bid comply as written? Yes _____ No _____

Two (2) holders, each with room for two boxes of gloves, for a total of four boxes, shall be mounted vertically to the front wall near the side entry door.

Does your bid comply as written? Yes _____ No _____

3.11 Passenger Side Bench Seat:

The bench seat shall be approximately 74" long x 16" high from the floor x 21" wide with three (3) self-retracting seat belt sets for secondary patient restraint.. The bench seat shall be padded with 3" seamless foam bottom and two (2) back and headrest cushions. The designated seated positions at the bench seat shall be located at the middle and aft positions, and each shall have a six (6) point harness system. All cushions shall be attached by magnets and shall be removable. No Velcro or screws can be used for means of attachment. Cushion color shall be specified by Tuscaloosa Fire Rescue.

Does your bid comply as written? Yes _____ No _____

Three (3) squad bench cabinets, each with approximate I.D. of 6 1/2" deep x 10" wide x 30" long, shall be bolted together to form a 90" long cabinet to be installed above the bench seat towards the rear wall. There shall be padded trim around the edges of these cabinets. This cabinet shall have a restocking feature and Austin Hardware Life Defender doors. These cabinets must be crash-tested.

Does your bid comply as written? Yes _____ No _____

Furnish and install one (1) 22-section acrylic organizer (Paramedic Design PD-1, or equivalent). The organizer shall have a white backing with clear organizers. The organizer shall be mounted to the wall forward of the back cushions at the squad bench.

Does your bid comply as written? Yes _____ No _____

One (1) sharps container and bracket shall be mounted on squad bench wall below the acrylic organizer mentioned above.

Does your bid comply as written? Yes _____ No _____

3.12 Technician's Seat (Captain's Chair):

This chair shall be a seamless, vinyl-covered high back "Captain's Chair" with fold-down arm rests (Wise or equivalent). The chair shall incorporate a child safety seat. It shall be mounted on a 360 degree swivel base, be capable of adjustment forward and aft, and have a minimum four (4) point harness. Swivel base shall lock fore and aft. Cushion color shall be specified by Tuscaloosa Fire Rescue.

Does your bid comply as written? Yes _____ No _____

3.13 Driver's Side "CPR Seat"

This CPR seat shall have a seamless foam seat cushion over an aluminum base that is 40" long x 22" wide. The location of the CPR seat shall be 45" forward of the rear wall of the module. A 2" foam padded backrest shall be required. All cushions must be removable. No Velcro or screws can be used for means of attachment. The aluminum lid of the seat shall lift to access storage that is approximately 42" wide x 20 1/4" deep x 7 3/4" high and shall have a latching assembly to prevent the lid from opening inadvertently. There shall be a minimum of one (1) six (6) point harness at this seating location.

Does your bid comply as written? Yes _____ No _____

3.14 Miscellaneous Equipment:**3.14.1 Overhead Safety Bar and Grab Handles:**

All grab bars shall be powder coated "safety yellow" color.

Does your bid comply as written? Yes _____ No _____

Two (2) stainless steel overhead safety bar 72" long x 1 1/4" diameter shall be installed slightly off center over the stretcher. Two (2) stainless steel overhead safety bars 36" long x 1 1/4" diameter shall be installed forward of the captain's chair.

Does your bid comply as written? Yes _____ No _____

On the inside surface of the passenger side door shall be provided one 30" long x 1 1/4" diameter angled stainless grab rail. On the rear wall above the bench seat shall be provided one 12" long x 1 1/4" diameter stainless grab handle. On the inside surface of each rear door shall be provided one 12" long x 1 1/4" diameter stainless grab handle.

Does your bid comply as written? Yes _____ No _____

3.14.2 Stretcher Fasteners:

Aluminum plates shall be welded into the floor structure to secure all stretcher fasteners and brackets using stretcher manufacturer's approved bolting means. Two (2) Ferno Stat Trak fastening systems shall be provided to the successful vendor for installation. Installation of these fastening systems shall be included with the bid price. Floor plates for each single position stretcher fastener shall be flush mounted in the floor of each module and provided with a watertight seal. Stainless steel floor plates shall be provided to prevent the stretcher wheels from damaging the floor.

Does your bid comply as written? Yes _____ No _____

3.14.3 Suction:

An electrically operated suction pump (SSCOR SB-90120 system or equivalent) shall be provided in each module. Each complete system and installation shall be per manufacturer's instructions. Each system shall be wired to an automated fail-safe circuit that will provide 12VDC power in the instance that there is a chassis failure or a generator failure.

Does your bid comply as written? Yes _____ No _____

3.14.4 IV Hangers:

Two (2) ceiling mounted, near-flush, rubber IV holders (Cast Products, or equal) with straps shall be provided. The ceiling holders shall be located between the waist and knee at both the primary and secondary patient locations.

Does your bid comply as written? Yes _____ No _____

3.14.5 Wall Mount Supply Holders

An acrylic EMS supply container with multiple openings (made of white acrylic backing with clear acrylic pockets) shall be provided and located forward of the CPR seat.

The container shall be mounted onto Cabinet #2 (forward of the CPR seat). Overall width shall be 11 1/2" and height shall be 21 1/2", with five (5) openings provided in two rows. The top row shall contain two (2) openings, and the bottom row shall contain three (3) openings. All five (5) openings shall be 4 1/4" high.

Does your bid comply as written? Yes _____ No _____

A supply holder of similar design shall be mounted on the wall of the CPR seat, overall width shall be 17" and height shall be 24", fourteen (14) openings provided in three rows (three (3) top, four (4) middle, and seven (7) bottom).

Does your bid comply as written? Yes _____ No _____

3.14.6 Time Manager Clock

One (1) Intellitec Emergency Time Manager clock shall be provided on the padding above the rear entry doors.

Does your bid comply as written? Yes _____ No _____

3.15 Oxygen System:

The oxygen system in each module shall consist of the following equipment that shall be installed and made ready in accordance with C.G.A. pamphlet G-4.1 and National Standards for Medical Grade Oxygen Service. All hose and tubing shall be approved for medical oxygen service with a minimum rating of not less than 150 PSI.

Does your bid comply as written? Yes _____ No _____

Four (4) outlets shall be provided: two (2) shall be located at the action wall, one (1) shall be located above the front inside/outside counter top, and one(1) in the ceiling over the stretcher. All holes through which system tubing must travel shall be lined with rubber grommets. Tubing shall be covered with loom.

Does your bid comply as written? Yes _____ No _____

Electric oxygen system with a digital PSI readout and low pressure alarm shall be installed in each module with a control panel located at the action wall counter top. The accompanying regulator shall also be provided.

Does your bid comply as written? Yes _____ No _____

3.16 Module Heating and Air Conditioning:

Heating and air conditioning shall comply with CAAS Ground Vehicle Standard v2.0 for performance in both the driver and patient area. The system for each module shall provide total environmental temperature control through a 120 VAC heating-cooling unit which can operate in ambient temperatures ranging from 0 degrees to 110 degrees F. The HVAC unit thermostat controls shall be located at the action wall. The HVAC unit must be installed at the rear driver's side of the module with an exterior access door to allow complete change-out in less than one (1) hour. This HVAC unit shall operate completely independently from the chassis HVAC system and shall be capable of running while the unit is plugged into shore power as well as when the under-hood generator system is running. NO EXCEPTIONS

Does your bid comply as written? Yes _____ No _____

The patient compartment unit shall process air through a disposable air filter and then through the coil of the unit. The unit must drain condensate through tubes from the unit to the bottom outside of the unit. There shall be two (2) adjustable louvers for adequate air volume and direction.

Does your bid comply as written? Yes _____ No _____

3.16.1 Air Conditioner/Heat unit:

Each module air conditioner/heat unit shall be a 15,000 BTU 120 VAC self-contained air conditioner unit with a 2.5 kW heat strip. Air circulation shall be provided through a blower. This unit is completely separate from the chassis factory (12 volt) air conditioner. It shall come with a four (4) year parts and labor warranty and shall be certified for EPA 2010 requirements with 410A coolant.

Does your bid comply as written? Yes _____ No _____

3.17 Electrical Equipment:

All wiring shall be stranded copper with thermoplastic insulation and sized for amp load connected in accordance with S.A.E. standards, minimum size 14 gauge. Wires shall extend from wiring panel to a ceiling panel. Whenever possible wires shall be run in loom and where wire passes through metal panels, insulating grommets shall be provided.

Does your bid comply as written? Yes _____ No _____

3.17.1 Connections:

Electrical connections for the body module shall be provided with screw connections in such a manner as to permit transfer of the module from one cab and chassis to another without having to cut or splice wires.

Does your bid comply as written? Yes _____ No _____

All wiring shall be color and/or function coded and routed in high temperature conduit or loom conforming to SAE J562 as applicable. All wiring shall be located in an accessible, enclosed and protected location and kept at least six (6) inches away from exhaust system components.

Does your bid comply as written? Yes _____ No _____

Electrical wiring and components shall not terminate in the oxygen storage compartment (A). All conduit, loom and wiring shall be secured to the body or frame with insulated metal cable straps in order to prevent sagging and movement which may result in chafing, pinching, snagging or other damage. All apertures on the module shall have grommets for passing wire to conform to SAE 1292. The module electrical panel shall be located in compartment B. Four (4) coaxial cables shall be installed in the ceiling raceway; two (2) shall terminate in the electrical compartment and two (2) shall terminate in the truck cab.

Does your bid comply as written? Yes _____ No _____

3.17.2 Fuses:

All 12 volt wiring shall be fused. Fuses shall be installed near the voltage source terminal in the electrical compartment (B). All fuses and circuit breakers shall be located where they are conveniently accessible for prompt fuse replacement and/or resetting. No protective device shall be located in a manner that requires removal of any equipment to restore voltage after a voltage interruption.

Does your bid comply as written? Yes _____ No _____

3.18 12 Volt DC Electrical Power:

Module 12 volt buses shall receive power from either a separate 120 volt to 12 volt power converter unit powered through the generator or shore power, or from the truck 12 volt system. The 120 volt to 12 volt power converter shall be mounted in the electrical compartment a minimum of 4 feet above ground level when mounted on the vehicle. The power converter shall be a regulated, filtered, continuous duty, electronic 125 amp device @ 13.3V or equal. The power converter shall receive its 120 volt power from either the under-hood generator or from activation of the shore power circuit. However, if shore power is activated, the generator must be automatically disconnected.

Does your bid comply as written? Yes _____ No _____

In the event of failure of the generator unit, the 12 volt power source for the module electrical systems shall be switched from the power converter to the vehicle battery. This power source change shall be accomplished automatically at the instant power is lost from the generator. The 12 volt power converter unit must have current limiting and overvoltage protection with a means of adjusting the voltage level as required. NO EXCEPTIONS

Does your bid comply as written? Yes _____ No _____

All 12 volt wiring shall be color and/or function coded in accordance with a wiring diagram that shall be installed on the inside of the electrical compartment (B) door. An example on how to troubleshoot each 12 volt circuit shall be shown on the diagram. A labeled circuit panel is to be supplied in the electrical compartment. Relays rated at 75 amps with screw connection terminals shall be used for the individual 12 volt circuits. NO EXCEPTIONS

Does your bid comply as written? Yes _____ No _____

3.19 120 Volt AC Circuits:

Each 120 volt circuit will be protected by a minimum 15 amp breaker.

Does your bid comply as written? Yes _____ No _____

All 120 volt wiring will be done per National Electrical Codes. The 120 volt wiring from the generator and shore power line shall be minimum 10 gauge. The 120 volt wiring for all individual circuits will be minimum 14 gauge.

Does your bid comply as written? Yes _____ No _____

Three (3) 120 volt circuits in the breaker panel shall provide power for:

- 1) the module 120 volt to 12 volt regulated power converter
- 2) the module air conditioning/heater unit
- 3) the module 120 volt receptacles

Does your bid comply as written? Yes _____ No _____

In order to maintain minimum module emergency functions in the event of a generator failure, at least one (1) 70 amp solenoid or relay is required which will automatically transfer power from the chassis alternator to the module if the generator is not providing 120 volts. This solenoid or relay shall be sized to carry the load of all warning lights, interior lights, and electric suction.

Does your bid comply as written? Yes _____ No _____

One (1) 120VAC outlet with a rain-tight cover shall be installed on the outside of the driver side of each module, and a second identical outlet will be installed on the outside of the passenger side of each module. These outlets shall be easily accessible from a ground level standing position.

Does your bid comply as written? Yes _____ No _____

3.19.1 Battery charger:

Each module shall have a 30 amp, 120 volt, automatic cut off battery charger “Intelli-Power, model #PD9130A.” The battery charger will be powered off shore power.

Does your bid comply as written? Yes _____ No _____

3.20 Shore Power:

Each module shall have a shore power connection through a 30 amp recessed male receptacle located behind the driver's seat on the front outside face of each module. This shall be a Kussmaul brand auto-eject receptacle. A white flip-up rain-tight cover shall be provided. With shore power activated, selected functions shall be available while the module is parked and the generator is off. The mating female receptacle shall be provided.

Does your bid comply as written? Yes _____ No _____

3.21 Module Generator:

The primary source of electrical power for all module functions, including, but not limited to, all exterior lights, interior lights, HVAC, suction, and load lights shall be a MEPS brand, or equivalent, under-hood generator. **NO EXCEPTIONS**

Does your bid comply as written? Yes _____ No _____

In the event the generator should fail, electrical power shall automatically switch back to the cab/chassis alternator system thereby providing 12 volt power for emergency lighting, interior module lights, and suction.

Does your bid comply as written? Yes _____ No _____

The generator shall be a belt driven system powered by the chassis engine. It shall be a MEPS brand 6.3kW RoadPower system, or equivalent.

Does your bid comply as written? Yes _____ No _____

The MEPS ACU box and control panel shall be mounted in Compartment B Electrical.

Does your bid comply as written? Yes _____ No _____

All components shall be installed, plumbed, and wired per manufacturer's instructions.

Does your bid comply as written? Yes _____ No _____

3.22 Lighting Equipment; Interior and Exterior:

Ten (10) flush mounted interior LED ceiling lights shall be installed in the ceiling of each module. These lights are to be controlled by switches at the action wall and at the console. These lights will also be activated when entry doors open and will have a built-in timer which will shut them off approximately 10 minutes after the entry doors have been closed and the truck has been turned off.

Does your bid comply as written? Yes _____ No _____

Whelen OS series, or equivalent, LED clearance lights shall be mounted on all upper corners of each module in addition to the factory combination reflector/clearance lights.

Does your bid comply as written? Yes _____ No _____

There shall be three (3) Whelen OS series, or equivalent, ICC red clearance lights centered on the rear wall below the top trim.

Does your bid comply as written? Yes _____ No _____

One (1) 12 volt surface mount LED scene light (Pioneer Plus full pane spot/flood) shall be installed on each side and on the front wall of each module. These lights shall be controlled independently of each other.

Does your bid comply as written? Yes _____ No _____

Two (2) 12 volt Whelen M6 series Gradient scene/load lights shall be installed at the rear of each module over the rear entry doors. These shall come ON when the chassis is placed in reverse, when the rear doors are opened, and via a switch at the console or inside the rear entry doors.

Does your bid comply as written? Yes _____ No _____

3.23 Emergency Lighting:

There shall be eight (8) Whelen M6 series red LED fixtures located on the upper corners of the module.

There shall also be five (5) Whelen M6 series LED fixtures on the front of the module in lieu of a light bar (C-R-C-R-C) as well as three (3) Whelen M6 series LED fixtures on the rear of the module (R-A-R).

One (1) Whelen M6 series red LED fixture shall be located above each wheel well. The four (4) grille and intersect lights shall be Whelen M4 fixtures.

All LEDs except the grille and intersects shall have a chrome flange.

Does your bid comply as written? Yes _____ No _____

One (1) Whelen brand traffic advisor TAM85, or equivalent, shall be mounted to the rear wall of each module above the rear entry doors with control head mounted in the cab console.

Does your bid comply as written? Yes _____ No _____

3.24 Paint:

The paint system shall be acrylic urethane applied per manufacturer's specifications for raw aluminum substrate. Paint color shall be gloss white. Systems such as Sherwin-Williams, PPG, Sikkens, etc. shall be acceptable.

Does your bid comply as written? Yes _____ No _____

3.25 Striping and Lettering:

The successful vendor shall stripe and letter the unit with 3M reflective material to match the fleet of Tuscaloosa Fire Rescue. Striping and lettering pictures to be furnished upon request.

Does your bid comply as written? Yes _____ No _____

There shall be 3M diamond grade yellow conspicuity tape with red overlay in a chevron pattern on the entire rear of each module.

There shall be 2'x 2' squares of 3M diamond grade white conspicuity on the interior lower portion of the entry door panels.

There shall be 4" strips of 3M diamond grade white conspicuity on the inner door panel of all exterior compartment doors with the exception of the HVAC and electrical compartment doors.

Does your bid comply as written? Yes _____ No _____

Three (3) placard holders with accompanying placards shall be provided. Exact locations and dimensions to be provided upon request.

Does your bid comply as written? Yes _____ No _____

3.26 Fire Extinguisher:

Vendor shall supply two (2) fire extinguishers (One (1) for each vehicle), ABC dry chemical, multipurpose, 5 lb each.

Does your bid comply as written? Yes _____ No _____

3.27 Rear Step/Bumper:

Two full width rear step/bumpers shall be fabricated from “grip strut” aluminum and hinged to allow lifting. Each rear step/bumper shall support a weight of 500lbs without flexing. Each rear step/bumper shall be assembled with three (3) independent pieces, two outer pieces (e.g. cast products) and one hinged center. A full width kick plate shall be provided below each rear door opening. The bottom of each bumper shall not extend below the module. Each bumper shall be bolted to aluminum plate welded into the structure.

Does your bid comply as written? Yes _____ No _____

Two (2) painted steel pad eyes shall be attached to the rear truck frame rails of each unit and shall extend into recessed housings above the rear bumper.

Does your bid comply as written? Yes _____ No _____

BIDDER’S RESPONSE FORM

MESSAGE TO BIDDERS: Please review your bid documents for accuracy, completeness, required documentation, and necessary signatures before submitting. Please label the outer mailing/shipping package with the bid information as directed.

Item	Qty.	Description	Make/Model	Price Each	Total Amount
1.	2	Type I Ambulances with 14’ Generator Powered Module			\$
				Total Bid	\$

COMPANY NAME: _____

CONTACT PERSON: _____

COMPLETE MAILING ADDRESS: _____

AUTHORIZED SIGNATURE: _____

PRINTED NAME: _____

TELEPHONE NUMBER: _____

E-MAIL ADDRESS: _____

DELIVERY TIME: _____

COPIES SUBMITTED:

_____ **VENDOR MUST SUBMIT AN ORIGINAL BID AND ONE COMPLETE COPY OR THE BID MAY BE REJECTED.**

Awarded bidder(s) may be required to obtain a City of Tuscaloosa business license in order to provide goods and/or services in response to this bid and subsequent contract(s). Inquiries regarding business license requirements should be directed to the City’s Revenue & Financial Services Division at (205) 248-5200. Failure to obtain and maintain required city business license(s) may result in rescinding of bid award and contract termination.

Note: By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

FAILURE TO COMPLETE ALL OF THE ABOVE WITH AN AUTHORIZED SIGNATURE MAY SUBJECT BID TO REJECTION.