

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

## *Macon / Bibb County Fire Department Detailed Bid Specifications*

### **Fire Department Light Duty Rescue Vehicle**

#### *Intent of this Bid*

This Request of Bid (RFB) is intended to provide vendors with a common, uniform set of specifications to assist them in the development of their bids and to provide a uniform method for the bidding agency to fairly evaluate bids and subsequently select a vendor from which to purchase these units.

The following specification describes a new Rescue Vehicle Apparatus that is expected to be acquired by this purchaser. The specification describes the needs of this purchaser as far as chassis configuration and module body design. A state of the art vehicle is required. However, manufacturers that utilize prototype equipment will not be considered. The builder's manufacturing history shall be supported by documentation where applicable, and by the reference section within this specification. Please note that the following specifications represent minimum general terms or requirements. While it is not the intent of this purchaser to preclude any qualified bidder from submitting a proposal, it must be clear that any bidder deviating in any substantial manner from these specifications will be rejected as being non-compliant.

In responding to this RFP, vendors should follow the prescribed format and use the forms included, thus providing the Department with data that is easily compared with data submitted by other vendors in order to fairly and objectively evaluate the proposal.

The Bidding Agency assumes no responsibility for conclusion or interpretations derived from the information presented in this RFB, or otherwise distributed or made available during this procurement process. In addition, the Bidding Agency will not be bound by or be responsible for any explanation, interpretation or conclusions of the RFB or any documents provided by the Bidding Agency other than those given in writing by the Bidding Agency through the issuance of addenda. In no event may a vendor rely on any oral statement by the Bidding Agency or its agents, advisors or consultants. It is the full responsibility of the vendor to thoroughly investigate the needs, requirements of the Bidding Agency not necessarily assumed in this RFB and to submit a bid for:

#### **INSTRUCTIONS FOR BIDDERS**

This specification establishes standards for the design, construction and performance of a Rescue Vehicle Apparatus. The completed vehicle and components must comply with the current version of all Federal Specification unless specifically requested otherwise in the following document. As the criteria for compliance with all requirements are well established, this document will not contain redundant references to their content.

**Bids will not be accepted after the date and time stated in the invitation to bid.**

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Payment shall be made in accordance with these specifications and the Bid Proposal submitted by the Bidder. Final payments will be made upon acceptance of the vehicle(s) and equipment specified in this document.

Bids received shall be evaluated by the Purchaser. This evaluation will be based on, but not limited to, completeness of proposal, exceptions, price, and delivery schedule.

**Bid Proposals taking total exception to these specifications will not be accepted.**

Any exception to the provisions in these specifications must be marked in the body of this document and itemized on a separate attached page(s) titled EXCEPTIONS. Referenced by section number and paragraph, a detailed explanation of the exception shall be provided along with by the bidder's alternative proposal.

Bids not following this format shall not be considered. **NO EXCEPTIONS TO THIS SECTION.**

The Contractor shall indemnify and save the Purchaser harmless from any and all claims, liability, losses, and causes of actions which may arise out of the fulfillment of this agreement. The Bidder shall pay all claims and losses of any nature whatsoever in connection therewith, and shall defend all suits, in the name of the Purchaser when applicable, and shall pay all costs and judgments which may ensue thereafter.

Failure to deliver any part of the order to the terms required may be considered by the Purchaser as a breach of contract.

When submitting their Bid Proposal, Bidders must return all pages of these specifications as part of the Bid Proposal as it will form the Contract between the Contractor and the Purchaser. Caution should be taken by the Bidder that all questions are answered in the spaces provided and that all information requested is provided.

It is the Bidder's responsibility to be familiar with all federal, state, and local laws, ordinances, codes, and regulations concerning the submission of this bid and the work it effects. Ignorance of said enactments shall not relieve the Bidder of responsibility to comply or complete the bid work.

In the event a clarification is requested on the contents of this specification, the question shall be addressed in writing to:

When a Bidder requests clarification, a copy of the request and this Agency's reply will be forwarded to all Bidders.

The vehicle shall, at the time of delivery, conform to the minimum requirements of the latest standards covering vehicles of this type. This shall include federal, state and local requirements.

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

Is this requirement understood and met? Yes \_\_\_ No \_\_\_ Bidder's initials: \_\_\_\_\_

By signing this document, the Bidder agrees that this Bid is made without any understanding, agreement or connection with any other person, firm or corporations making a bid for the same purpose, and that this bid is in all respects fair and without collusion or fraud.

It is the intent of this agency to enter into a contract with the successful bidder to allow that contract to be extended for an additional year, in order to add additional units to the contract. This contract shall allow for chassis model year increases, only if and when the successful bidder provides documentation from its chassis supplier on their letterhead indicating an increase to the chassis.

This contract shall allow any other agency within the State of this contract, or any other State outside of this state to purchase off of contract. However, prospective purchasers shall enter into separate agreements for product being offered. The Bidding Agency does not control this contract outside of what it is intended on.

Latest literature and detailed specifications on the unit proposed shall be included with the proposal submittal.

## INTER-AGENCY AGREEMENTS (PIGGY-BACK) CONTRACT

It is the intent of the bid document to make available to other government entities, by mutual agreement with the successful Bidder, the right to purchase the same or like equipment and or products,, at the price quoted for the period of the contract. Each Bidder shall indicate in the bid proposal, if the Bidder will honor other political subdivision's orders, in accordance with contract terms and conditions.

Does the bidder comply with these requirements? Yes \_\_\_ No \_\_\_

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## TYPE OF BIDS TO BE SUBMITTED

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

This purchaser reserves the right to require samples of any deviating material to be provided for evaluation.

Does the bidder comply with these requirements? Yes \_\_\_\_ No \_\_\_\_

## GENERAL REQUIREMENTS

### INSPECTION TRIPS

#### *PRE CONSTRUCTION CONFERENCE*

There shall be a required pre-construction conference at the successful bidder's manufacturer's facility before any construction can begin.

NOTE: The pre-construction conference meeting shall be conducted at the "*primary builder*", of the apparatus. No meeting shall take place at the dealerships place of business. This is the only method that will be the only acceptable way to conduct the pre-construction meeting. NO EXCEPTIONS.

Two (2) Department personnel along with a representative or dealer of the successful bidder shall attend.

At this meeting both parties shall again go over the specifications to insure that the apparatus is built to meet or exceed all requirements.

After this meeting the representative of the successful bidder shall present the department with detailed drawings and work order to be used in the production of the apparatus being bid.

For all factories located over 250 miles from the Macon / Bibb County Fire Department, airlines tickets, motel lodging and all meals shall be provided by the successful bidder.

Does the bidder comply with these requirements? Yes \_\_\_\_ No \_\_\_\_

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## *MID POINT INSPECTION*

There shall be a midpoint inspection trip at the factory of the successful bidder. The inspection trip shall consist of two (2) members from the Macon / Bibb County Fire Department who shall inspect the progress of the apparatus to insure compliance to all specifications.

The Mid Point Inspection shall be after the modular body is built, painted and mounted to the cab chassis.

For all factories located over 250 miles from the Macon / Bibb County Fire Department, airlines tickets, motel lodging and all meals shall be provided by the successful bidder.

Do you comply with all inspection trips? Yes \_\_\_\_ No \_\_\_\_

## *PRE DELIVERY INSPECTION (FINAL)*

There shall be a pre delivery inspection trip at the factory of the successful bidder. The inspection trip shall consist of members from the Macon / Bibb County Fire Department to insure compliance to all specifications.

For all factories located over 250 miles from the Macon / Bibb County Fire Department, airlines tickets, motel lodging and all meals shall be provided by the successful bidder.

NOTE: All expenses relating to the Pre-Construction, Mid Point and Final inspection trips shall be at the cost of the successful bidder and be at no cost to the Department. This is to include all meals and lodging while at the inspection.

Do you comply? Yes \_\_\_\_ No \_\_\_\_

Under no circumstances shall the completed Special Services Apparatus leave the manufacturer's facility unless everything is completed at the factory. Bidders that make allowances for units to be completed at their service facility or office shall not be acceptable to this bidding agency.  
NO EXCEPTIONS.

Do you comply? Yes \_\_\_\_ No \_\_\_\_

Bid prices shall be valid for at least forty-five (45) days from the date of the Bid Opening, or as otherwise specified on the Bid Proposal Form.

Does your proposal comply? Yes \_\_\_\_ No \_\_\_\_

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This agency seeks the highest level of quality assurance and liability protection. To insure that these standards are met, Bidders must submit documentation that they are a current member of the Ford QVM (Qualified Vehicle Modifier) program. Since this is a Ford product being procured along with the fact that the QVM program is open to any reputable builder, this documentation is requested.

Do you comply with the requirements? Yes \_\_\_\_ No \_\_\_\_

**BODY CERTIFICATIONS-** Because of the unique mission of this vehicle being specified by Macon / Bibb County Fire Department, the Department is concerned about the structure and manufacturing capabilities of the different vendor.

To help insure the vehicle is built safely, heavy duty style, the Department requests all bidders to provide written certifications by an outside engineering firm that their bodies have been certified to a static load test for emergency vehicle.

Also to insure that the proper building techniques are still in operation, the testing must have been certified in the last 5 years. **NO EXCEPTIONS.**

DOES YOUR BID COMPLY EXACTLY? \_\_\_\_ YES \_\_\_\_ NO

## PRODUCT LIABILITY INSURANCE

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

Commercial General Liability - Aggregate policy limit of ten million dollars.

Automotive Liability - Any Hired and Non owned Autos  
Combined Single Limits of One million dollars.

Garage Liability - Any Auto  
Auto only - Each accident: limit of one million dollars.

Workers Compensation and Employer's Liability -

Each Accident: limit of five hundred thousand dollars.  
Disease policy: limit of five hundred thousand dollars.  
Disease - Each Employee: limit of five hundred thousand dollars.

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Automotive Damage, Physical Liability Damage  
Comprehensive Deductible:

Since these specifications describe an emergency vehicle that may be used under adverse conditions, this agency seeks to reduce its future liability exposure. Therefore, all bidders responding to these specifications shall submit a proper and verifiable Certificate of Insurance. This shall certify that the Manufacturer of the bid vehicle has in force, Product Liability insurance in the *minimum* amount of ten million dollars (\$10,000,000.00). This insurance shall have been issued by a Company rated "A+" as reported in the current edition of Best's Key Rating Guide, published by Alfred M. Best Company, Inc.

The amount of Product Liability must be adhered to by both manufacturer and dealer, who will be providing the bid. Utilizing the manufacturer's insurance will be acceptable if the bidder is an authorized dealer, they also must have coverage.

Bidders failing to submit proof of the above requirement cannot be accepted and their Bid Proposal will be rejected.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

The bidding agency has concerns with bidders not having the completed unit built by the manufacturer. With that said, the bidding agency will not accept units that are not built and completed at the manufacturer's facility. This will eliminate split responsibility into service, warranty repairs. Add-on equipment shall be furnished by the manufacturer and not their Representatives, to avoid warranty issues. If the bidder makes any claim to adding equipment at the dealership, then your bid will be considered non-responsive and rejected. **NO EXCEPTION.**

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

It is the intent of this agency to have the vehicle completed and ready for service once it leaves the manufacturer's facility. **NO EXCEPTIONS.** This includes the modular body and conversion.

It is also the responsibility of the successful manufacturer to deliver the completed unit to the Macon / Bibb County location.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

All equipment furnished shall be guaranteed to be new and of current manufacture; meet all requirements of this specification; and be in proper operating condition at the time of delivery. All parts shall be of high quality workmanship and construction.

No part or attachment shall be substituted or applied contrary to the manufacturer's recommendations and standard practices.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

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Bidders shall include with the Bid Proposal: literature, photographs or similar documents which describe or depict the manufacturer's type and model proposed; a complete set of the manufacturer's specifications for the type and model proposed; and one (1) set of drawings. These drawings shall show the location of all requested features attached thereto.

NOTE: the drawings submitted by the Bidder must show the design, layout, and features specified in this document. Submitting a manufacturer's "generic" or "standard feature" drawings, shall NOT be acceptable. Bidder's not including the required drawings will be considered non-responsive and will, therefore, be rejected.

Are the required drawings included with this bid? Yes \_\_\_\_ No \_\_\_\_

The bidder shall utilize these specifications and return their proposal in the same format as the specifications are provided. Failure to submit the bid specifications in alternate format will be grounds for rejection.

Are your specifications in the same format? Yes \_\_\_\_ No \_\_\_\_

*{Remainder of page left blank}*



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IT IS AGREED BY THE UNDERSIGNED BIDDER THAT THE SIGNING AND DELIVERY OF THIS BID REPRESENTS THE BIDDER'S ACCEPTANCE OF THE TERMS AND CONDITIONS OF THE FOREGOING SPECIFICATIONS AND PROVISIONS, AND IF AWARDED THE BID BY THIS AGENCY, WILL REPRESENT THE AGREEMENT BETWEEN THE PARTIES.

Sign in ink in the space provided below. UNSIGNED bids will be considered incomplete and will be subject to rejection.

Name of Firm: \_\_\_\_\_

Signed (in ink): \_\_\_\_\_  
(Signature of Officer of Company)

Title: \_\_\_\_\_ Date Signed: \_\_\_\_\_

Street Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone Numbers: Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

Apparatus Manufacturer: \_\_\_\_\_

Model Year: \_\_\_\_\_ Model Designation: \_\_\_\_\_

Delivery will be made within \_\_\_\_ days of receipt of chassis by the Manufacturer

Bid Amount: \_\_\_\_\_ \$

TO BID AMOUNT: \_\_\_\_\_ \$

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE CHASSIS SPECIFICATIONS

**MANUFACTURER AND MODEL YEAR:** The cab - chassis meeting the requirements of this specification is a new model 2023 or greater Ford with the following criteria:

- Ford F-550 Super Duty Crew Cab Chassis
- 19,500 G.V.W.R.
- Four Wheel Drive
- 176 Inch Wheel Base with 60 Inch Cab to Axle
- 47A Emergency Prep Package
- 7.3 Liter V-8 Gas Engine
- Engine Block Heater
- Automatic Transmission
- Super Duty Cooling Radiator
- OEM Heavy Duty Dual Alternators
- Heavy Duty OEM Air Conditioner
- Comfort Ride Suspension
- Dual OEM Batteries
- Rear Axle, Ratio 4:88:1 Limited Slip
- Modified Vehicle Wiring Kit
- Engine Idle Control
- Manual Trailer Tow Mirrors
- Power Steering
- AM / FM / CD / MP3 OEM Stereo Radio with Digital Clock
- Gauge Package: Fuel Level, Water Temperature, Oil Pressure
- Seat Belts, Lap and Shoulder Harness
- Front Stabilizer Bar
- LT225/ 19.5 BSW Tires- Polished Aluminum Wheels
- Four Wheel Anti-Lock Brake System
- Front and Rear Heavy Duty Shock Absorbers
- Aft-Axle 40 Gallon Capacity Fuel Tank
- Ford XL Trim Level Package
- Black Mat Floor Covering
- Dual Captain's Chairs
- Rear Bench Seat
- Front Tow Hooks
- Air Intake Ember Separator
- Engine Compartment Lights w/ Switches

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

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## APPARATUS BODY

**ALL ALUMINUM RESCUE MODULE-** The body shall be all aluminum extruded construction. The body shall consist of seven each individual exterior compartments. The body shall be approximately 132 inches in length by 76 inches in height.

A bent aluminum or utility style body is not being sought nor will they be acceptable. The body shall be mounted on the before mentioned chassis.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**BODY CONSTRUCTION OVERVIEW-** The body shall be constructed of custom designed aluminum extrusions and aluminum plate. The body shall be designed and engineered specifically for Emergency Vehicles and shall be built to meet heavy duty Fire and Rescue service. The Department is seeking an all aluminum extruded body with extruded crowns and extruded corner post.

The body shall be weld construction for maximum strength and integrity for the entire life of the apparatus. The aluminum extrusions shall be custom designed structural shapes that are an alloy of 6061 and heated to a temper of T-6 hardness. The aluminum shapes shall be designed with a force fit interlock system that shall eliminate any vibration to the welded structural members.

The interior structural members shall be spaced 12 inches on center. The floor, roof, and sides shall be of cage construction that is built to form an independent structure which shall be self standing and rigid. The body shall then be mounted. No chassis building shall be required or permitted.

The exterior walls shall be constructed of 5052-H32 with a heat treated plate that is stretch leveled to a tolerance of +/- 0.003. The exterior wall shall interlock into place. All exterior compartments are separate individual component and no two compartments share a common wall.

The front wall of the module shall be of smooth aluminum plate and painted white to match the remainder of the module and cab chassis.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

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**ROOF CONSTRUCTION-** The roof shall be constructed of aluminum diamond plate. The roof structure shall consist of 2 inch x 3 inch aluminum tubing that shall span the full width of the body. The roof structure tubes shall be spaced at a minimum of 12 inches on center.

The roof tubes shall be welded to the diamond plate roof and to the inner structural connector of the radius. The diamond plate sheet roof shall be completely welded to the roof radii.

All roof seams and perimeter shall be solid welded. No caulking or screws shall be utilized or acceptable.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**ROOF RADIUS-** The roof cove radius shall be an extruded aluminum shape with an alloy and temper of 6061-T6 with an ultimate strength of 42,000 psi. The shape shall be a four inch radius with a built in inner structural connector to form a one piece side and roof structure.

The radius shall be semi hollow shape for strength, reduced weight and to also allow passage for electrical wires.

The roof and side sheets shall fit into the roof radius and shall be welded from the inside of the body and shall come complete with a built in drip molding.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**CORNER RADIUS-** The corner radius shall be of the same heavy construction as the roof radius, except there shall be no built in drip molding. The corner radius shall be a three inch radius.

All corners shall be semi hollow extruded shapes for structural strength and shall give a smooth exterior appearance without bending or forming sheet metal.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

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**RESCUE SIDE STRUCTURE-** The sides shall be constructed with four corner radii. The radii shall be three inch arc shapes with interlock edges on both sides. The extrusions shall be of an alloy of 6063 with a heat treated temper of T-6.

The corner and roof shall be designed to work as a system that has a double gusset connector in each corner joint. The roof, corner, and sides shall be welded so as no bolts or rivets are required or permitted.

Sides shall be jig locked style construction. The jig shall hold the corners and body side panels in place while inner structure is welded into place. The members shall be located 12 inches on center and welded to the roof rail, inner structural connector that shall be the roof members.

The exterior panels shall interlock with the roof, corner and specially designed extruded aluminum compartment door frame and shall be constructed of 6063-T6 material.

The door frame extrusion shall be designed to match fit the exterior compartment doors. The frame shall be a full 1/4 inch thick to allow taping for door hinges. The door frame shall have an exterior trim edge that shall channel any water away from the compartment opening.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

**FLOOR STRUCTURE-** The floor structure shall consist of 3" x 2" structural aluminum tubing spaced specifically for each body style as structurally required. Lateral tubing shall extend the full width of the body between compartment boxes. The floor tubes shall be welded to the side structure channels.

Above the floor channels there shall be provided an aluminum moisture shield a minimum of .063" thick. The interior floor surface shall be covered with heavy duty aluminum plate.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

**COMPARTMENT CONSTRUCTION-** All exterior compartments shall be constructed of heavy duty aluminum plate. All corners shall be welded.

Each compartment shall be vented with a minimum four inch aluminum vent. All compartment floors shall be of the "sweep out" style.

The compartments shall be finished with a poly urethane spray on "rhino" type coating. Exact color shall be determined by Macon / Bibb personnel.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

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**ROLL UP STYLE COMPARTMENT DOORS-** Each exterior compartment shall have an extruded aluminum roll up door. The doors shall be constructed with extruded aluminum slats.

Each slat shall interlock to create a flexible joint. At the end of the slats there shall be plastic end shoes for easy sliding of the doors.

The exterior edges of the door opening shall be trimmed with a combination track and trim angle. The track shall include a rubber seal.

The bottom slat shall have a lift and latch device mounted to it. The roll up style doors shall be heavy duty ROM, Fire Apparatus grade, manufactured for emergency style vehicles.

There shall be provided door guards above all compartment roll up doors.

Does the bidder comply with this requirement? Yes  No

**BODY MOUNTING-** The body structure sills shall be constructed of 3 inch x 1/2 inch aluminum flat bar and shall run the full length of the body structure. The flat bar shall be welded to every lateral structural member on both sides. The chassis and body shall be separated with a 1/2" x 3" non metal sill.

The body shall be capable of being removed from and transferred to a new chassis similarly sized to the old chassis. There shall be adequate space left between the cab and body.

The body shall be attached to the chassis using 5/8 inch steel "U" bolts. Additionally an isolator shall be installed on each "U" bolt at the "U" bolt mounting point and the structural sill.

The body shall be mounted as per Ford QVM requirements.

Does the bidder comply with this requirement? Yes  No

**REAR STEP CONSTRUCTION-** The rear step area of the apparatus shall be constructed of aluminum diamond plate kicker for minimum body maintenance. The rear step of the apparatus shall be constructed of aluminum diamond plate.

The step shall extend from the apparatus body with 3" x 1-1/2" x 1/4" structural "C" channel for strength and integrity. The channel shall be placed as to form a structural matrix to the chassis and keep the body in a complete modular form.

The step surface shall be constructed of aluminum diamond plate with a minimum 13 inch width.

Does the bidder comply with this requirement? Yes  No

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**RECESSED TOW EYES-** There shall be provided two each heavy duty tow eyes. The tow eyes shall be recessed in the rear bumper area and be securely fastened to the chassis frame rails.

The tow eyes shall be approximately 3-1/2" inside diameter of the eye and the shaft shall be a minimum 1-1/4".

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

**FENDERS AND WHEEL WELLS-** The wheel well openings shall be of sufficient opening to permit the utilization of tire chains or other traction devices. The wheel well shall be provided with full fender liners that shall be rolled so as to eliminate pockets that might traps and collect road dirt.

Fenders shall be of a "polished" finish, rolled aluminum. The liner shall be constructed of .125 inch aluminum and flanges at the bottom edge.

The outer surface area of the fender wall area shall be trimmed with aluminum diamond plate for complete protection from tire or chain kick back.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

**EXTERIOR BODY TRIM-** The exterior of the body shall be fitted with .125 inch bright aluminum diamond plate kick panel above the rear step. Kick plates shall be a minimum of 14 inches high.

Rock shields shall be a minimum of 14 inches in height and shall conform to the front and rear radius of the body on each side.

There shall be polished aluminum channel with reflective tape insert as a rub rail installed at the lowest edge of the apparatus body between the wheel well panels and the front and rear rock guard shields and kick plates.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

**STONE GUARDS AND PROTECTION PANELS-** There shall be provided additional protection panels installed on the apparatus at areas subject to intensive wear, scuffing and abuse.

The protection panels shall be constructed from aluminum diamond plate or stainless steel material.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

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**REAR MUD FLAPS-** There shall be provided a set of heavy duty rear mud flaps. The flaps shall be made of thick rubber material and shall be as wide as the dual rear wheels.

The mud flaps shall be securely fastened to the module body using stainless steel fasteners.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**CLASS III TRAILER HITCH-** Three shall be provided a Class III trailer hitch. The hitch shall be securely fastened to the chassis.

Additionally there shall be provided a 12 volt power lead with cannon style plug to power the tail lights on any trailer that the Department might need to move.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**FOUR DOOR RUNNING BOARDS-** There shall be provide a set of aluminum diamond plate, full length running boards. The running boards shall start at the rear of the front wheel well area and extended to the rear of the chassis cab body.

The running boards shall be heavily constructed and securely fastened to the chassis. Exact layout of running boards shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**COMPLIANCE PLATES-** There shall be provided a complete set of NFPA compliance plates. The plates shall be permanently attached to the chassis and / or modular body.

Exact number of compliance plates and mounting locations shall be determined during the pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_



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**APPARATUS BODY PAINTING** - Prior to applying the first coat of primer, all removable hardware items such as doors, handles, hinges, grab rails, lights etc. shall be removed.

The entire body shall be fully ground smooth and sanded to eliminate any visible welded deflections. The priming and final coat application shall conform to paint manufacturers guidelines.

The apparatus body shall be painted one color to match the chassis O.E.M. paint scheme. Exact paint code and layout shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**REFLECTIVE STRIPE PACKAGE**- There shall be provided a four inch wide red reflective stripe package around the body and the cab chassis.

Above and below the four inch stripe shall be a ½ inch red reflective pinstripe. There shall be a one half inch break in between the four inch stripe and the dual half inch pin stripping,

Additionally there shall provided reflective striping on the cab chassis, on the front bumper area, and on the interior of the cab doors to meet the NFPA guidelines.

Exact layout and design of stripe package shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**REAR CHEVRON STRIPING**- There shall be provided reflective striping on the rear of the apparatus body. The chevron shall consist of six inch stripes.

Exact layout and design of rear reflective chevron striping shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

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**REFLECTIVE LETTERING PACKAGE-** There shall be provided a custom gold reflective lettering package. The lettering shall consist of the following minimums:

## **MACON BIBB FIRE RESCUE**

**(Both sides in 6" gold reflective lettering w/ black shadows to the left)**  
**(MACON BIBB shall be located in the panel above the roll up doors and FIRE RESCUE shall be located on the roll up doors)**

## **RESCUE 2**

**(Both sides in front fenders in 3" gold reflective w/ black shadows to the left)**

## **RESCUE**

**(On rear in 6" red reflective w/ black shadows to the left)**

**2**

**(On rear in 15" red reflective w/ black shadows to the left)**

Additionally there shall be provided two each 12 inch Star of Life in reflective materials along with two each Maltese crosses and dual Department door emblems on the front cab chassis doors.

Exact wording, layout and location of reflective lettering package shall be determined during pre construction conference. Successfully bidder shall provided exact CAD layout for approval by Department.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE COMPARTMENTATION

**LEFT SIDE- COMPARTMENT A (LEFT FORWARD)-** This compartment shall start on the drivers side front of the apparatus and shall be approximately 27 inches wide x 70 inches high x transverse deep.

This compartment shall house the following:  
Mounting Tracks  
Removable Divider

The compartment shall have a roll up style door.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**COMPARTMENT B (LEFT WHEEL WELL)-** This compartment shall be located above the wheel well and shall be approximately 51 inches wide x 45 inches high.

This compartment shall house the following:  
Mounting Tracks  
Removable Divider  
One each Adjustable Shelf

The compartment shall have a roll up style door.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**COMPARTMENT C (LEFT REAR)-** This compartment shall be located between the wheel well and the rear of the apparatus and shall be approximately 42 inches wide x 70 inches high.

This compartment shall house the following:  
Mounting Tracks  
One each 110 volt outlet wired to shore power  
One each Adjustable Shelf  
One each Roll Out Tray

The compartment shall have a roll up style door.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

**RIGHT SIDE- COMPARTMENT D (RIGHT FORWARD)**- This compartment shall start on the officer's side front of the apparatus and shall be approximately 27 inches wide x 70 inches high x transverse deep.

This compartment shall house the following:  
Mounting Tracks  
Removable Divider

The compartment shall have a roll up style door.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**COMPARTMENT E (RIGHT WHEEL WELL)**- This compartment shall be located above the wheel well and shall be approximately 51 inches wide x 45 inches high.

This compartment shall house the following:  
Mounting Tracks  
Removable Divider  
One each Adjustable Shelf

The compartment shall have a roll up style door.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**COMPARTMENT F (RIGHT REAR)**- This compartment shall be located between the wheel well and the rear of the apparatus and shall be approximately 42 inches wide x 70 inches high.

This compartment shall house the following:  
Mounting Tracks  
One each roll out tool tray

The compartment shall have a roll up style door.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

**COMPARTMENT G (REAR)-** This compartment shall be located on the rear of the apparatus and shall be approximately 53 inches high x 38 inches wide.

This compartment shall house the following:

Mounting Tracks

1 ea. Roll out Tray with Minimum 1000 Pound Capacity

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

**ADJUSTABLE SHELVES-** There shall be provided aluminum adjustable shelves. The shelves shall be constructed of .188 inch aluminum for durability and ease of mounting equipment.

The shelves shall be fully adjustable from the top of the compartment to the bottom. Shelving hardware shall be of the unistrut "C" channel design.

Exact location of adjustable shelves shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

**SLIDE OUT TRAY-** There shall be provided slide out trays. The tray shall be constructed of .188 inch aluminum.

The entire assembly shall be bolted into place using 3/8 inch stainless steel bolts. The tray and roller assembly shall have a minimum 500 pound capacity.

Exact location of slide out tray shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

**COMPARTMENT FLOOR MATTING-** There shall be provided Dri-Deck or equal, floor tiles installed in each exterior compartment, shelving and roll out trays.

The tiles shall be custom fitted to the individual area and shall assist in protecting the surface of the compartments from damage.

Does the bidder comply with this requirement? Yes \_\_\_ No \_\_\_

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

## 12 VOLT DC ELECTRICAL SYSTEM

The electrical systems and associated equipment shall comply with all Federal Motor Vehicle Safety Standards, Federal Motor Carrier Safety Regulations, and shall also conform to all applicable SAE recommend standards and practices.

The apparatus body and accessory electrical equipment shall be served by circuits separate and distinct from the chassis circuits. All wiring shall be permanently color coded and marked to identify each wire for its entire length.

Wiring shall be routed in conduit or loom that is rated a minimum 300 F. and include a service loop of wire that will permit replacement of wire terminals. All conduits, looms, and wiring harness shall be secured to the body or frame with insulated metal cable straps.

All electrical system components and wiring shall be located and installed in such a manner that facilitates easy removal and servicing.

All wiring shall conform to N.F.P.A. guidelines. Additionally there shall be provided a load manager system.

Does the bidder comply with this requirement? Yes \_\_\_\_\_ No \_\_\_\_\_

**VEHICLE DATA RECORDER-** There shall be provided a vehicle data recorder. The system shall monitor the following data:

Vehicle Speed	Acceleration
Deceleration	Engine Speed
Engine Throttle Position	ABS Event
Seat Occupied Status	Seat Belt Status
Master Warning Light	Timer
Date Status	

Additionally there shall be provided an occupant detection system. The system shall consist of a visual and audible warning system.

The warning system shall monitor the occupant buckle status of all cabin seating positions.

Does the bidder comply with this requirement? Yes \_\_\_\_\_ No \_\_\_\_\_

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

**BATTERY CHARGER-** There shall be provided a Kussmaul Auto Charge 20/20 Battery Saver and Charger. The charging system shall come complete with a remote display graph bar.

Included in the system shall be a Kussmaul auto eject shore line receptacle with chrome cover that shall provide 120V service when activated.

Exact layout and location of shoreline receptacle (front module wall) and bar graph shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**SIREN-** There shall be provided and installed an electronic siren. Exact brand and location shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**SIREN SPEAKERS-** There shall be provided dual 100 watt electronic speaker. Exact brand and location shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**EMERGENCY LIGHTING-** There shall be provided the following LED lighting package:

- Whelen NFPA LED Light Bar
- 2 ea. TIR6 Red LED Grill Lights
- 6 ea. 600 Series Red LED Lights- 2 per side and rear
- 2 ea. 600 Series Blue LED Lights- rear & activate only when parking brakes are engaged
- 2 ea. 600 Series Amber LED Lights- rear
- 4 ea. 400 Series Red LED Lights- 1 per side in front fender & wheel well area

Exact color, flash pattern, layouts and locations of emergency lighting system shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

**SCENE LIGHTS-** There shall be provided six each Whelen 600 series LED scene lights. The lights shall be located two each on both sides and rear of the Rescue vehicle.

Exact layout, location, and activation options shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**HAND HELD SPOTLIGHTS-** There shall be provided two each Stream Light hand held spotlights with charging brackets. The brackets shall be wired to the apparatus 12 volt system.

Exact layout and location of hand held spotlights shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**DRIVERS CONTROL PANEL-** There shall be provided a custom control panel fabricated from aluminum and mounted in the center console area. All switches shall be rocker style and shall contain switches for the following minimum applications:

1. Master switch
2. Emergency lights switch
3. Light bar switch
4. Scene light switch
5. Door open indicator
6. Engine Hour Meter
7. Master Battery Switch
8. DO NOT MOVE indicator

All switches shall be lighted and properly identified.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_



# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

**REAR BRAKE, BACK UP, AND TURN SIGNAL LIGHTS-** There shall be provided a set of Whelen 600 series LED tail lights with bezels on the apparatus body.

Additionally there shall be provided a recessed tag plate with light and also intermediate LED turn signal lights (TIR 6 amber) on the side panels in the wheel well areas.

Exact style and location shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**UNDERBODY LIGHTS-** There shall be provided ground illumination lights under the Rescue module. The lights shall illuminate the ground area and shall be activated by a switch in the driver's area.

Additionally there shall be provided two each side cab area underbody lights provided. These lights shall be located under each side of the cab step area and shall activate upon opening the cab doors.

Exact layout and location of underbody lights shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**MARKER LIGHTS-** There shall be provided the proper number of LED ICC / marker lights located on the apparatus body above the drip rails.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**BACK UP ALARM-** There shall be provided an automatic back up alarm that activates when the vehicle is placed in reverse. There unit shall be an Ecco model SA917-PM2 or equal.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

**COMPARTMENT LIGHTS-** There shall be provided LED stripe lights in each exterior compartment that activate upon opening of the compartment doors.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**RADIO PRE-WIRE-** There shall be provided a 12 volt lead for the future installation of a Department supplied radio.

Exact layout and location of radio pre wire shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**ANTENNA COAX PRE-WIRE-** There shall be supplied a coax pre-wire that shall run from an antenna on the cab roof and terminate at the cab console.

Exact layout and location of antenna pre-wire shall be determined during pre construction conference.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

**FORD Q.V.M. CERTIFICATIONS-** Macon / Bibb County is concerned that the different bidders have a firm understanding of the chassis electrical hook ups and ties in and also the correct procedures concerning mounting the body to the Ford chassis so as to limit any future warranty issues.

To limit liability and insure all bidders are qualified, the Department requires that all bidders be certified and a member in good standing of the Ford Motor Company Q.V.M. program for emergency vehicles.

Please provide a copy of your Ford Q.V.M. certifications with your bid package.

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

**DETAILED, SCALED DRAWINGS-** There shall be provided with your bid package, a detailed set of scaled computer drawings. These drawings must be for this particular unit that Macon / Bibb County has specified, not a standard manufacturers drawing.

These drawing must show all the options and equipment to mounted on the apparatus and shall include both front and rear views, both sides, roof to include escape hatch, interior showing both side walls, front wall and rear wall and shall show all required equipment mounted in the designated compartments. **NO EXCEPTIONS**

DO YOU COMPLY?     YES                       NO

**WARRANTIES-** Macon / Bibb County Fire Department requires a limited warranty. The bidder shall supply a written warranty covering a certain period from the point of delivery, that the Rescue Apparatus shall be free of substantial defects in material and workmanship which can be attributable to manufacturer.

Please provide a copy of your limited warranty in this bid package.

DO YOU COMPLY?     YES                       NO

**ELECTRICAL WARRANTY-** Please provide a copy of your electrical warranty as it pertains to this Rescue Vehicle Apparatus project.

DO YOU COMPLY?     YES                       NO

**PAINT WARRANTY-** Please provide a copy of your paint warranty as it pertains to this Rescue Vehicle Apparatus project.

DO YOU COMPLY?     YES                       NO

**ALUMINUM MODULE BODY WARRANTY-** Please provide a copy of your aluminum Rescue Vehicle Apparatus module body warranty as it pertains to this project.

DO YOU COMPLY?     YES                       NO

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE

**ONE MONTH SERVICE CALL-** After the vehicle has been in service for approximately one month, the successful vendor shall send a trained FACTORY employed personnel to the Macon / Bibb County Fire Department for a service and warranty review.

Because of the complexity of the vehicle being specified and because Macon / Bibb County Fire Department cannot certified that an employees of a dealership representing the manufacturer will have a full knowledge of the apparatus, the service personal shall be a full time employee of the manufacturer. **NO EXCEPTIONS**

The FACTORY technician shall check all operating systems and repair or replace any items found defective or in need of re-work.

However should a problem occur before the one month service call, Macon / Bibb County Fire Department will require immediate service from the FACTORY technician, at the Department location.

DO YOU COMPLY?     YES     NO

# MACON / BIBB CO. FIRE ALL ALUMINUM WALK AROUND RESCUE VEHICLE CHASSIS SPECIFICATIONS

**MANUFACTURER AND MODEL YEAR:** The cab - chassis meeting the requirements of this specification is a new model 2023 or greater Ford with the following criteria:

- Ford F-550 Super Duty Crew Cab Chassis
- 19,500 G.V.W.R.
- Four Wheel Drive
- 176 Inch Wheel Base with 60 Inch Cab to Axle
- 47A Emergency Prep Package
- 7.3 Liter V-8 Gas Engine
- Engine Block Heater
- Automatic Transmission
- Super Duty Cooling Radiator
- OEM Heavy Duty Dual Alternators
- Heavy Duty OEM Air Conditioner
- Comfort Ride Suspension
- Dual OEM Batteries
- Rear Axle, Ratio 4:88:1 Limited Slip
- Modified Vehicle Wiring Kit
- Engine Idle Control
- Manual Trailer Tow Mirrors
- Power Steering
- AM / FM / CD / MP3 OEM Stereo Radio with Digital Clock
- Gauge Package: Fuel Level, Water Temperature, Oil Pressure
- Seat Belts, Lap and Shoulder Harness
- Front Stabilizer Bar
- LT225/ 19.5 BSW Tires- Polished Aluminum Wheels
- Four Wheel Anti-Lock Brake System
- Front and Rear Heavy Duty Shock Absorbers
- Aft-Axle 40 Gallon Capacity Fuel Tank
- Ford XL Trim Level Package
- Black Mat Floor Covering
- Dual Captain's Chairs
- Rear Bench Seat
- Front Tow Hooks
- Air Intake Ember Separator
- Engine Compartment Lights w/ Switches

Does the bidder comply with this requirement? Yes \_\_\_\_ No \_\_\_\_