



**Invitation to Bid – Light Duty Rescue Truck
Solicitation #422-0720-03
July 16, 2020**

Sealed bids, subject to the specifications and conditions contained herein and attached hereto, will be received in the City Manager’s Office, City Hall, until, but no later than **2:00 P.M.CST , August 6, 2020**, and then publicly opened and read aloud for **Light Duty Rescue Truck**.

If you are an individual with a disability and require a reasonable accommodation or have additional questions regarding this invitation, please notify the Purchasing Agent, Kim Dale at (931) 560-1580.

No bid may be withdrawn after the scheduled closing time for receipt of bids for sixty (60) calendar days.

Bid Instructions

To be considered, you must:

1. Have a copy of a vendor application on file with the City of Columbia prior to final bid award. You may register online using the link furnished on our web page www.columbiatn.com, Finance Department, Purchasing or a paper form which may be downloaded from the same site.
2. A completed bid sheet as provided with this invitation together with an explanation of any exceptions taken to specifications or additional conditions of the bid.
3. Copies of warranty information, other requirements as may be included herein and any additional information pertinent to properly evaluate the bid.
4. Sign Iran Divestiture Act Statement as attached
5. All forms must be signed by a representative of the bidder with the authority to bind the bidder.
6. All required documents shall be returned to:

Purchasing Agent, City Hall, 700 North Garden St., Columbia, TN 38401.

Mark outside of envelope with **Invitation to Bid Light Duty Rescue Truck** and opening date of bid August 6, 2020.

Time is of the essence and any bid received after the announced time and date for submittal, whether by mail or otherwise, will be rejected. The time of receipt shall be determined by the City Manager’s Office. Bidders are responsible for ensuring that their bids are stamped by City Manager’s Office personnel before the deadline indicated. Late bids received will be so noted in the bid file and the bid will be returned unopened. Faxed or E-mailed bids will not be accepted.

Nothing herein is intended to exclude any responsible vendor, his product or service or in any way restrain or restrict competition. On the contrary, all responsible vendors are encouraged to bid and their bids are solicited. All costs associated with the preparation or delivery of a response to this invitation shall be borne solely by the bidder. The City of Columbia is compliant with Title VI of the 1964 Civil Rights Act and as a result does not discriminate on the grounds of race, color or national origin nor does it excluded from participation in, or denies the benefit of any program or activity receiving federal financial assistance.

All cost associated with the preparation of this bid or its delivery shall be borne solely by the bidder.

1. SCOPE

The City of Columbia Fire and Rescue is seeking to purchase a 2020 or newer Light Duty Rescue Truck. The truck will be used as a First Responder vehicle to various Emergency Calls throughout the City of Columbia. The unit must conform to or exceed the specifications as contained herein.

2. GENERAL CONDITIONS

1. **Acceptance of Bids:** The City of Columbia reserves the right to reject any and all bids, to waive any informal technicalities or defects, the scope and nature of which it shall be the sole judge, in any bid, insofar as such technicality or defects do not legally, materially or substantially change such bid. The said City, unless otherwise specified by the bidder, reserves the right to accept any item on bid.

If the bidder fails to state the time within which a bid must be accepted, it is understood and agreed that said City shall have ninety (90) days from bid opening date in which to accept bid.

2. **Error in Bid:** In case of error in the extension prices in the bid, the unit price governs. No bid shall be altered, amended or withdraw, unless the acceptance date has expired, after the opening date of bids. Negligence on the part of the bidder in preparing the bid confers no right for withdrawal of the bid after it has been opened.
3. **Discount Period:** Time in connection with discount offered will be computed from the date of delivery, or from the date correct invoices are received, whichever date is later. Discount other than "Time Discounts" shall be shown on the face of the proposal sheet under "Terms".
4. **Sample of Materials:** Samples of items, when requested, must be furnished free of expense to the City, at the time bids are opened or later if such are called for after the bids have been opened, and if such samples are not destroyed in the process of sampling, they will be returned at the bidder's expense.
5. **Signatures on Bids:** Each bid must contain the full name and business address of the bidder. Any person signing a proposal sheet for himself or as agent, employee or officer of another must show his title and, if requested by the City shall furnish proof of his authority to make such proposal.
6. **Alternate Bids:** Alternate bids will be considered proving such items that appear on such bids meet specifications. Where equivalent items are bid upon, said City reserves the sole right in determining whether they meet specifications.
7. **Proposal Sheets:** Bidders shall use the proposal sheets furnished by the City. Failure to submit this sheet as required shall render the proposal invalid. Proposal sheets must contain prices on per unit and aggregate basis and the total amount of the bid must be stated on the proposal sheet.
8. **Federal or State Sales, Excise or Use Tax:** Every bid shall separately state and set forth, therein the amount of any and all Federal and State sales, excise or use taxes included in the bid prices. If any such taxes are included in the prices bid, the City reserves the right in making the award to deduct any amount of such taxes thereof. Where labor is required, the bidder shall state separately the amount of labor and materials.

9. **Delivery:** The number of calendar days in which delivery will be made after contract is executed and purchase order placed shall be stated in the bid. When the bidder states no time delivery, it is understood and agreed that delivery is to be made within fifteen (15) days after receipt of order, unless otherwise stated in the specifications.
10. **Compliance:** Contractor shall abide by all federal, state and local laws and statues and obtain all permits required in number seventeen (17) of these conditions.
11. **Specifications:** It is understood that reference to attached specifications shall be sufficient to make the terms of such specifications binding on the contractor. In some instances, the name of the manufacturer, a special brand, or make of an item is used in describing the item or items desired; but this does not restrict the bidder to that manufacturer or specific article, this means being used simply to indicate the character or quality of the article or service desired; but the articles or service on which the proposal are submitted must be equal to that specified, and a statement to that effect shall be made a part of the proposal. Where conflict occurs between the requirement or the General Conditions and the specifications, the requirements of the specifications will govern.
12. **Inspection:** Final inspection and acceptance or rejection will be made at the time of delivery, but all products and workmanship shall be subject to inspection and test at all times and places. The right is reserved to reject articles that contain defective material and workmanship. Rejected materials shall be removed by and at the expense of the contractor promptly after notification of rejection. The City shall not be obligated to pay the full price for any items that do not meet specifications; however, payment may be made at a proper reduction in price.
13. **Bid Opening:** Bids may be mailed or delivered to the Purchasing Agent for the City of Columbia, Tennessee. All bids will be opened and publicly read at a time specified within the invitation to bid. Bids received after the specified time for opening, as shown on the invitation to bid, will not be accepted.
14. **Cancellation:** The City reserves the right to cancel an accepted bid or contract in whole or in part due to nonperformance or defective products.
15. **Permit Requirements:** Successful bidder will be responsible for securing any necessary permits for complying with all required inspections whether local state or federal.
16. **Multi-Year Contracts:** The City reserves the right to enter into multi –year contracts and further has the right to terminate multi-year contracts due to non-appropriation of funds.
17. **Financial Statements:** Financial statements will be submitted upon request.
18. **Term of Payment:** Payment will be made in full after the satisfactory receipt of goods, materials, supplies, and equipment. Payment will be made in full upon satisfactory completion of all contractual services, public improvements and/or construction. Executed contracts must specifically state if there is any partial payment or other deviation from this method of payment.
19. **Complaints – Vendors:** Vendors shall have the right to present a complaint, dispute or grievance concerning unfair treatment, contracts, deliveries, payments, restrictions, and other incidents. The following steps are intended to provide uniform procedures for a vendor to express a problem and obtain remedy.
 - a. Step One - Vendor must file a grievance with the Purchasing Agent no later than seven (7) calendar days after the occurrence of the dispute or incident. The complaint must be in

writing and include all supporting data and desired solution or remedy. The Purchasing Agent will forward a copy of the complaint with the user department who shall provide a written reply within thirty (30) days to the Purchasing Agent who will review the response and if agreement forward the decision to the vendor.

- b. Step Two – If the vendor is not satisfied with the Purchasing Agent’s response, the vendor may appeal in writing to the City Manager within 10 day from the date of the Purchasing Agents response, who shall with the advice of the Purchasing Agent and/or City Attorney, make a written determination to all parties involved. The City Manager’s decision shall be final.

3. SPECIAL CONDITIONS

3.1 All items bids shall be FOB City of Columbia, Fire and Rescue Station 1, 1000 South Garden Street, Columbia, Tennessee or other designated department location within Columbia city limits.

3.2 The recommendation for award will consider compliance with bid specifications, price, delivery date, availability of parts and services, warranty and past performance of vendor/equipment.

3.3 Successful bidder must furnish one operators manual and one parts/maintenance manual with the Rescue Truck at time of delivery.

3.4 One set of CAD drawings with their bid.

4. INSURANCE

The awarded vendor shall purchase and maintain in force, at his own expense, ***if requested by the City*** such insurance as will protect him and the City from claims which may arise out of or result from the Vendor’s execution of the work, whether such execution be by himself, his employees, agents, subcontractors, or by anyone for whose acts any of them may be liable. The insurance coverage shall be such as to fully protect the Owner, the City and the general public from any and all claims for injury and damage resulting by any actions on the part of the vendor or his forces as enumerated above. The vendor shall furnish, if requested, a copy of an original Certificate of Insurance, namining City of Columbia as an additional insured. Should any of the policies be cancelled before the expiration date, the issuing company will mail 30 days written notice to the certificate holder. The vendor shall furnish insurance in satisfactory limits, and on forms and of companies that are acceptable to the City of Columbia and shall require and show evidence of insurance coverage on behalf of any subcontractors (if applicable), before entering into any agreement to sublet any part of the work to be done as a result of awarding this bid.

The following insurance requirements are the minimum that will be acceptable (unless otherwise stated in #9 Specifications and Requirements):

1. Worker's Compensation Insurance – State statutory limits.
2. Commercial General Liability - Including products and completed operations coverage and contractual liability on the amount of \$1,000,000 CSL (combined single limit).

3. Commercial Automobile Liability including owned, non-owned and hired car in the amount of \$100,000 CSL.

5. LAWS, TAXES AND INDEMNIFICATION

The successful vendor shall comply with all applicable local, State and Federal laws. The vendor is further responsible for all taxes associated with providing services under this contract to include all employment related taxes. The vendor agrees to hold harmless and indemnify the City for any and all losses the City may sustain as a result of the actions of the vendor, his employees, or any subcontractors hired as a result of or performing work as a result of an awarded bid.

6. TIME OF THE ESSENCE - Time is of the essence in the performance of a resulting contract. Repeated delays shall be interpreted as failure to meet obligations and shall be cause for cancellation of purchase order.

7. PAYMENTS - Payment will be made after all following conditions have been met:

7.1 Delivery of the equipment as prescribed and acceptance of the equipment by the Chief of The City of Columbia Fire and Rescue or applicable department director as evidenced by their signature on the invoice or bill of sale.

7.2 Within 14 days of presentation of an accurate invoice to the applicable department director.

8. WARRANTY- The bidder shall supply with the bid package a description of all warranties pertaining to the bid.

9. SPECIFICATIONS AND REQUIREMENTS - The specifications listed below represent minimal levels of performance, quality or capacities required. Substitutions meeting the intent and functionality of the specification will be considered. If the unit fails to meet specifications, vendor needs to comment on the nature of the exception taken in writing. Additional pages for vendor comment may be used.

MANUFACTURER - The manufacturer shall be prime bidder and shall identify the location of their facility and service center.

PROPRIETARY PARTS - It is the intention of the purchaser for all bidders to furnish the apparatus with major parts commonly used by the heavy-duty truck manufacturers and open market vendors whereas replacement parts are more readily available and at reduced cost. The use of proprietary parts may not be acceptable to the purchaser.

MANUFACTURER'S DISCRETION - Materials, parts, or procedures used are subject to change at manufacturer's discretion at any time to provide equal or better products.

PRODUCT QUALITY AND WORKMANSHIP - The components provided and workmanship performed shall be of the highest quality available for this application. Special consideration shall be given to the following areas:

- A). Accessibility to various components that require periodic maintenance or lubrication checks.
- B). Ease of vehicle and pump operation.

C). Features beneficial to the intended operation of the apparatus.

Construction of the complete apparatus shall be designed to carry the loads intended to meet the road and terrain conditions and speed requirements desired when specified by the purchaser.

Welding shall not be employed in the assembly of the apparatus in a manner that will prevent the removal of any major component part for service and/or repair.

INSURANCE REQUIREMENTS – City desires manufacturer's product liability insurance coverage in the amount of ten (10) million dollars. Purchaser reserves the right to require proof of insurance from the Manufacturer prior to placing order. Certificate shall name the apparatus manufacturer, insurance company, policy number, and effective dates of the insurance policy.

The manufacturer shall maintain full insurance coverage on the purchaser's cab and chassis from time of first possession by the manufacturer until the apparatus is delivered and accepted by the purchaser (No Exceptions). Purchaser reserves the right to require proof of insurance from the manufacturer's insurance carrier prior to entering into a contract for the apparatus.

ONE YEAR APPARATUS WARRANTY - The complete apparatus detailed herein shall be warranted against defects in materials and workmanship for a period of twelve (12) months, effective upon pick up or delivery of the completed apparatus to the purchaser, as detailed in the respective warranty documents. Any unauthorized alterations or modifications to the apparatus shall void this warranty.

Other warrantees, as provided by individual component manufacturers may extend beyond this warranty.

RE-MOUNTING - The body shall be designed, manufactured and installed on the chassis in a manner that allows for complete removal for future re-mounting onto another chassis.

CAD DRAWINGS - There shall be a full set of CAD drawing provided to the department for approval prior to the start of fabrication. The drawings shall include a minimum of left, right and rear views of the proposed apparatus cab and body. The drawings shall be shown to scale with all apparatus details and dimensions.

Following the pre-build meeting, there shall be an updated set of CAD drawings submitted to the department for final approval.

DELIVERY TRAINING - During the delivery process, there shall be a representative on site a minimum of four (4) hours to provide initial instruction in proper operation of all components on the apparatus.

PRE-BUILD MEETING - There shall be a pre-build meeting held between representatives of the apparatus builder and representatives of the department to finalize details prior to the start of fabrication. This meeting shall be held in person or through a teleconference at the discretion of the department.

APPARATUS BODY WARRANTY - The apparatus body as detailed herein shall have a structural warranty against defects in materials and workmanship for a minimum period of seven (7) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the body shall void this warranty.

PAINT WARRANTY - The finish paint as used on the proposed apparatus shall be warranted against defects in materials and workmanship for a prorated period of five (5) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the apparatus shall void this warranty.

APPARATUS ELECTRICAL WARRANTY - The apparatus electrical system as detailed herein shall have a electrical warranty against defects in materials and workmanship for a period of two (2) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the electrical system shall void this warranty.

APPARATUS DIMENSIONS - These are standard truck dimensions. Changes in configuration or additional options may affect these dimensions. The contract specification shall contain the exact dimensions.

OVERALL HEIGHT - The overall height shall be less than 96.00".

OVERALL LENGTH - The overall length shall be no longer than 26.00'.

OVERALL WIDTH -The overall width of the body shall be 96.00" wide; chassis mirrors will extend out past this width.

ANGLE OF APPROACH - The angle of approach for the apparatus shall not be less than eight (8) degrees as specified by the current edition of NFPA 1901/ 1906.

ANGLE OF DEPARTURE - The angle of departure for the apparatus shall not be less than eight (8) degrees as specified by the current edition of NFPA 1901/ 1906.

COMPLIANCE - The fire apparatus shall be built to the purchaser's requirements in compliance to all State, Local, and Federal highway safety requirements. The vehicle is not intended to meet any or all standards of the NFPA.

CAB SAFETY SIGNS - The following safety signs shall be provided in the cab:

- One (1) FAMA 10 sign shall be visible to the driver. "Flying Object Crash Hazard. All equipment required to be used in emergency response must be securely fastened. Loose items may injure or kill during a crash."
- One (1) FAMA 07 sign shall be visible from each seat. "Crash Hazard. Occupants must be seated and belted when vehicle is in motion. Use only OEM approved belts."
- One (1) FAMA 15 sign shall be visible from each seat. "Crash Hazard. Do not wear helmet while seated. Serious head or neck injury may result from helmet use in cab. Failure to comply may injure or kill."
- One (1) FAMA 17 sign shall be visible to the driver. "Backing Hazard. Ensure that personnel are clear before driving in reverse. Always use a spotter when backing. Failure to comply may injure or kill."
- One (1) FAMA 42 sign shall be inside of the driver door. "Sirens produce loud sounds that may damage hearing. Roll up windows. Wear hearing protection. Use only for emergency response. Avoid exposure to siren sound outside of vehicle."
- "Do Not Move Apparatus When Light Is On" sign adjacent to the warning light indicating a hazard if the apparatus is moved (as described in subsequent section).

COMMERCIAL CHASSIS SPECIFICATION

CHASSIS PROVIDER - The chassis, as detailed in these specifications, shall be ordered and supplied by the apparatus manufacturer.

OPTION 1 - Shall be equal to or better than the example below:

One (1) new FORD F-550 rear axle drive 4x4, dual rear wheels (DRW), four (4) door crew cab and chassis with XL trim. **GAS ENGINE**

ALTERNATE OPTION (2) - Shall be equal to or better than the example below:

One (1) new FORD F-550 rear axle drive 4x4, dual rear wheels (DRW), four (4) door crew cab and chassis with XL trim. **DIESEL ENGINE**

CHASSIS PAINT COLOR - The cab shall be painted a single color by the chassis manufacturer. Color shall be RED

CHASSIS MODIFICATIONS - The following modifications and installations shall be performed on the chassis upon delivery to the apparatus manufacturer:

STEP BARS - One (1) set of black powder coated steel step bars shall be mounted to each side of the chassis. There shall be a slip resistant step pad located below each chassis door.

TOWING HITCH RECEIVER - A trailer towing hitch receiver with safety chain anchors shall be installed at the rear of the apparatus. The hitch receiver shall be constructed of heavy steel tubing and reinforced to the apparatus framework. The hitch receiver shall have a Class V rating of 16,000 pounds towing and 1,600 pounds tongue weight when used with a weight distributing hitch assembly. The receiver shall accept a 2.50" hitch. One (1) 7-prong connector with a weatherproof cover shall be supplied and mounted near the rear receiver tube.

TIRE PRESSURE MANAGEMENT - There will be tire alert pressure management system provided, that will monitor each tire's pressure. A sensor will be provided on the valve stem of each tire for a total of six (6) tires.

WHEEL COVERS - Each wheel shall have one (1) stainless steel wheel cover installed.

CHASSIS TOW HOOKS -The front tow hooks shall be provided as detailed in the chassis specifications.

REAR TOW PLATES - Two (2) rear tow plates with 1.50" I.D. holes, these shall be located below the apparatus body and fastened to the rear chassis frame rails.

REAR MUD FLAPS - A pair of black rubber mud flaps, with the Manufacturer's logo, shall be provided and installed behind the rear wheels.

CENTER CONSOLE - A center console fabricated from aluminum shall be furnished and shall be located between the driver and officer's seats. The forward area of the console shall have a mounting surface for emergency lighting switch panels and/or electronic siren control boxes within reach of the driver or officer. A 12 volt terminal block shall be mounted inside console and supplied communications radio coax shall terminate inside console.

BATTERY SYSTEM - The battery system shall be supplied with the chassis.

MASTER BODY DISCONNECT SWITCH - A master body disconnect on/off switch shall be provided in the cab, near the driver's door. The switch shall disconnect the power to the apparatus body when the ignition switch is in the off position. One (1) reset breaker shall be installed between the solenoid output and any electrical load. One (1) indicator light shall be provided to indicate the apparatus 12-volt system

is on. The light shall be located in the chassis cab and be visible from the driver's positions. The light shall be green in color and labeled "Master Battery".

BATTERY CHARGER, BUILT-IN BATTERY SAVER - One (1) Kussmaul Auto Charge #1000 Series Model #091-215-12, 15 amp battery charger and 3 amp Battery Saver shall be installed. The charger shall include a Model #091-199-001 remote digital display.

120 VOLT SHORELINE CONNECTION - "SUPER" AUTO EJECT - One (1) Kussmaul "Super" Auto Eject model 091-55-20-120, automatic, 120 volt, 20 amp shoreline disconnect shall be provided for the on board, 110 volt battery charging systems. The disconnect shall be equipped with a NEMA 5-20P female receptacle, which shall automatically eject the shoreline when the vehicle starter is energized. The mating connector shall be included with the auto eject and shall be provided as loose equipment.

BATTERY CHARGER DISPLAY/ COVER - One (1) Kussmaul model 091-55-234-YW universal single battery bank voltage display/ auto eject cover shall be supplied with the charger. The cover shall be Yellow in color.

ELECTRICAL INLET LOCATION - The location of the inlet auto eject shall be determined during the pre-build conference.

SHORELINE POWER INLET PLATE - A shoreline power receptacle information plate shall be permanently affixed at or near the power inlet. The plate shall indicate the following:

- Type of Line Voltage
- Current Rating in Amps Power Inlet Type (DC or AC).

BACK-UP ALARM - One (1) 97 DB back up alarm shall be provided and installed at the rear of the unit. It shall be wired to activate when the transmission is placed in reverse.

FIRE BODY & RELATED COMPONENTS

OVERALL DIMENSIONS - The body should be close to these dimensions 132.00" Long x 94.00" wide x 64.125" high with fender well positioned for an 84.00" cab-to-axle dual rear wheel chassis. The cargo bed floor width shall be 49.75" wide.

FLOOR AND UNDERSTRUCTURE - The compartment floor shall be a single piece design made of aluminum tread bright. The floor shall be supported by front and rear extruded aluminum alloy. The center section of the floor shall be supported by cross members.

COMPARTMENT CONFIGURATION - There shall be a total of six (6) flush floor body side compartments; three (3) on each side comprised of a front vertical and rear vertical compartment, separated by a horizontal center compartment, over the wheel well. A rear access closed top cargo compartment shall run the length of the body, between the side compartments. Removable access panels, light guards, shall be provided on each side of the body at front and rear bulkheads for body lighting and wiring service.

COMPARTMENT VENTS - Each body side compartment shall be properly vented in a manner that will minimize the possibility of moisture and road dirt entering the compartment. Venting shall be to atmosphere for front and rear side compartments. .

ADJUSTABLE SHELVING TRACKS - All side body compartments be furnished with Adjustable shelving track installed There shall be one (1) formed aluminum shelf angle bracket per shelving track to mount each shelf, tray, or adjustable storage module. Shelving hardware shall be heavy-duty commercial quality, providing unlimited vertical position adjustments.

ADJUSTABLE TRAYS - Adjustable trays shall be installed as directed by the Purchaser.

COMPARTMENT LIGHT(S) - One (1) LED strip light(s) shall be installed inside each compartment. The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

TRANSVERSE COMPARTMENT - There shall be a transverse area located in between compartments L1 and R1

SLIDE-OUT TRAY - DUAL DIRECTION - One (1) 1000 lb. dual direction slide-out tray with 70% extension shall be mounted in the transverse compartment.

REAR BODY CONFIGURATION, ENCLOSED - The cargo area of the apparatus body shall be completely enclosed and covered with diamond plate aluminum.

REAR CENTER COMPARTMENT, CR1 - There shall be one (1) compartment at the rear. The compartment shall have a roll up door. The door shall have a satin finish.

Slide out - One (1) 1,500 lb. slide out will be supplied and mounted in the rear compartment area of the body. The bed shall have a three-stage frame assembly design that shall allow the cargo frame to extend completely out of the vehicle. There shall be a lock assembly and lock points shall be located at just over 100% extension and at approximately each 12.00" of travel. This allows the unit to be locked at various positions of travel for field work. A second pull handle shall be attached to the end of the Cargo Frame for ease of operation.

UPPER BODY SIDE PRE-CONNECT HOSE TRAY, LH SIDE - One (1) upper body pre-connect hose tray shall be provided atop the left side of the body with dimensions of approximately 132.00" long x 21.00" wide x 8.00" tall The hose tray shall contain a pre-connect supplied by the purchaser. The hose tray shall be enclosed on three sides with an open rear area with a hose securement safety strap. The hose tray shall have a lift-up door installed, that shall open towards the outside of the body. There shall be a vinyl cover installed at the rear of tray. The cover shall be secured with a black shock cord/ hook system on the bottom and permanently secured on the top. The cover shall be black in color.

UPPER BODY MIDDLE SUPPLY LINE HOSE TRAY - Upper body middle shall be constructed of aluminum tread plate enclosed on three sides with an open rear area with a hose securement safety strap.

UPPER BODY STORAGE TRAY, RH SIDE - One (1) upper body storage tray shall be provided atop the right side of the body with dimensions of approximately 132.00" long x 21.00" wide x 8.00" tall. The hose tray shall be constructed entirely of aluminum tread plate on all exterior surfaces and shall be enclosed on

three sides with an open rear area with a hose securement safety strap. The hose tray shall have a lift-up door installed that shall open towards the outside of the body. There shall be a vinyl cover installed at the rear of tray. The cover shall be secured with a black shock cord/ hook system on the bottom and permanently secured on the top. The cover shall be black in color.

FUEL FILL W/ ACCESS DOOR - One (1) fuel fill with a hinged access door shall be installed in the left hand side wheel well rear of the axle. It shall be labeled "Ultra Low Sulfur Diesel Fuel Only".

DEISEL EXHAUST FLUID FILL - The diesel exhaust fluid fill shall be located in between the body and the chassis on the left hand side. It shall be labeled "Diesel Exhaust Fluid Only".

REAR PLATFORM STEP - A modular bolt-on rear platform step shall be installed on the rear of the apparatus to provide a full width step area with sufficient support to prevent deflection when in use by several crew members. The outside edges of the rear platform shall be flush with the side body rub rails to maintain a uniform appearance. The step shall protrude 10.00" back from the rear of the body and shall be spaced away from the body to allow water run-off.

REAR STEP RISER - A full width, one-piece aluminum tread plate step riser shall overlay the area at the rear of the body, between the lower edge of the cargo area floor and the top of the rear step.

EXTERIOR GRAB RAILS - Each grab rail shall be non-slip, 1.25" diameter extruded polished aluminum grab rails with rubber inserts designed to provide maximum gripping ability, strength, and durability. The rails shall comply with NFPA 1901-2009.

GRAB RAILS, REAR STEP, VERTICAL - Two (2) extruded aluminum non-slip grab rails, approximately 24.00" in length, shall be provided and vertically mounted on the rear of the apparatus, one (1) on each side of the body.

12 VOLT ELECTRICAL SYSTEM - The truck shall have a 12-Volt electrical system. All wiring will be run in convoluted high temperature plastic loom. The wiring shall be color-coded, numbered, and function imprinted for permanent identification. All wiring devices shall be rated to carry 125% of the maximum ampere load for which the circuit is protected. All added electrical equipment shall be served by circuits separate and distinct from the chassis circuits. All solenoids, relays, and terminal blocks will be located in an easily accessible area. All circuits provided shall have properly rated low voltage over current protective devices. All electrical will be accordance with modern automotive wiring standards. All under side terminal junctions shall be fully enclosed in sealed plastic weather proof boxes.

ELECTRICAL SYSTEM (CHASSIS OEM) - The commercial chassis electrical system shall be furnished and installed by the chassis manufacturer and shall not be altered in any way so as to void or diminish the manufacturer's warranty responsibilities. Body builder wiring interface harnesses shall be specific to the chassis being utilized and the apparatus specifications with all such harnesses, circuits and connections being documented by the body builder and made part of the electrical schematics provided with the completed apparatus.

ELECTROMAGNETIC INTERFERENCE PROTECTION - The apparatus shall incorporate modern electrical system design, installation procedures, grounding techniques and wave generating components to provide the highest level of protection against electromagnetic (EMI) and radio wave frequency (RFI) interferences. The apparatus shall be designed to operate and correctly function in congested municipal environments as well as industrial or concentrated commercial scenes without adverse effects from either

EMI or RFI. Communications equipment installed after the apparatus is delivered shall be immediately tested by the installer for reception and transmission signal quality.

LOW VOLTAGE ALARM - One (1) Low Voltage alarm system shall be supplied and installed with a light/buzzer located in the cab. The system shall detect when the battery voltage drops below 11.8 volts and remains low for 120 seconds.

CHASSIS GROUND LIGHTS - Four (4) LED ground lights with outward facing angle brackets shall be installed, one (1) under each chassis door.

FRONT OF BODY GROUND LIGHTS - Two (2) LED ground lights with outward facing angle brackets shall be installed under the front of the body. One (1) light shall be located on the driver side and one (1) light shall be located on the officer side of the apparatus.

REAR STEP GROUND LIGHTS - Two (2) LED ground lights with outward facing angle brackets shall be installed under the rear step of the apparatus, one (1) each side.

GROUND LIGHT SWITCHING - The cab and body ground lights shall activate by engaging the parking brake.

HAZARD LIGHT - One (1) flashing red LED light, located in the driving compartment, the light shall be illuminated automatically whenever any compartment door is ajar. The hazard light shall be marked with a sign that reads "Do Not Move Apparatus When Light is On". The warning light shall be interlocked to the parking brake and shall only alert the driver when the parking brake is released. The light shall also be used to signal that other ancillary equipment such as racks light towers etc. are not in their "ready for transport" position.

BRAKE, TAIL, TURN LIGHTS - One (1) pair of flush-mount round 4.00" red LED combination brake/ tail/ turn lights shall be provided at the rear of the body, one (1) each side, outboard of the reverse lights. The lights shall be attached with a rubber grommet.

BACK UP LIGHTS - One (1) pair of flush-mount round 4.00" clear LED back up lights shall be provided at the rear of the body, one (1) each side, inboard of the B/T/T lights. The lights shall be attached with a rubber grommet.

DOT MARKER LIGHTS AND REFLECTORS - LED marker lights shall be installed on the vehicle in conformance to the Department of Transportation requirements. All marker lights shall be incorporated into the headlight circuit of the cab/chassis.

MARKER LIGHTS - LED marker lights shall be installed on the vehicle in conformance to the Department of Transportation requirements. The side and rear of the body will be provided with reflectors. All marker lights shall be incorporated into the headlight circuit of the cab/chassis. Two (2) amber reflectors shall be provided on the apparatus body lower side, as far forward and low as practical, one (1) each side if the apparatus is 30 feet long or longer. Four (4) red reflectors shall be provided on the apparatus rear, one (1) each side and two (2) on the rear.

LICENSE PLATE LIGHT - A license plate bracket with LED light shall be provided and installed on the rear of the body. It shall be wired to come on with the headlights.

UPPER LEFT SCENE LIGHTS - One (1) pair of LED scene lights shall be installed, one (1) each side on the upper left hand side of the apparatus body. The light(s) shall be supplied and installed with a chrome bezel.

UPPER RIGHT SCENE LIGHTS - One (1) pair of LED scene lights shall be installed, one (1) each side on the upper right hand side of the apparatus body. The light(s) shall be supplied and installed with a chrome bezel.

UPPER REAR SCENE LIGHTS - One (1) pair of LED scene lights shall be installed, one (1) each side on the upper rear of the apparatus body. The light(s) shall be supplied and installed with a chrome bezel.

SCENE LIGHT ACTIVATION - The scene lights shall be activated by a switch located in the cab. Each side shall be activated separately.

REAR VISION SYSTEM - One (1) complete backup camera system shall be provided. There shall be (1) camera located at the rear of the apparatus as close to the centerline as possible. The camera shall be capable of viewing the entire area not visible in the side view mirrors. The camera shall have a 7.00" color display mounted in view of the driver. The system shall include audio transmission from the camera. The rear vision camera shall be wired to automatically activate when the chassis transmission is placed in reverse. The monitor for the rear vision system shall be mounted in place of the rear view mirror.

NFPA AUDIBLE AND LIGHTING WARNING PACKAGE - The following warning light package shall include all of the minimum warning light and actuation requirements for the current revision of the NFPA 1901/ 1906. The lighting as specified shall meet the requirements for both "Clearing Right of Way" and "Blocking Right of Way" which includes disabling all white warning lights when the apparatus is in "Blocking Right of Way" mode.

LIGHTBAR - One (1) 56.00" LED lightbar shall be supplied and mounted. The lightbar shall have clear lenses and contain red and white modules.

LIGHT BAR ACTUATION - The light bar shall be controlled by a switch in the cab.

LOWER FRONT WARNING LIGHTS - One (1) pair of LED warning lights shall be installed, one (1) each side on the front of the chassis cab. The lights shall be red in color with red lens. The light(s) shall be supplied and installed with a chrome bezel.

INTERSECTION WARNING LIGHTS - One (1) pair of LED warning lights shall be installed, one (1) each side of the chassis cab front fenders. The lights shall be red in color with clear lens. There shall be chrome bezels supplied and installed on the lights.

LOWER MID-BODY WARNING LIGHTS - One (1) pair of LED warning lights shall be installed, one (1) each side of the apparatus, mid-body. The lights shall be red in color with red lens. The light(s) shall be supplied and installed with a chrome bezel.

LOWER REAR WARNING LIGHTS - One (1) pair of LED warning lights shall be installed, one (1) each side on the lower rear of the apparatus body. The lights shall be red in color with red lens. The light(s) shall be supplied and installed with a chrome bezel.

LOWER WARNING LIGHT ACTIVATION - The lights shall be controlled by a switch in the cab.

ELECTRIC SIREN AND CONTROL - One (1) electronic siren shall be mounted in the cab. This unit shall feature an electronic air horn, wail, yelp, hi-lo and shall have a hard wired PA microphone.

ELECTRONIC SIREN SPEAKER - One (1) 100 watt cast aluminum speaker shall be installed. It shall be wired to the electric siren located in the cab. The speaker shall be mounted on the right hand side of the bumper.

PAINT, STRIPING, AND LETTERING SECTION

CHASSIS PAINT - The chassis shall be painted by the OEM Chassis Manufacturer.

PAINT FINISH - As part of the curing process the painted body shall go through a baking process.

SIDE COMPARTMENT FINISH, ZOLATONE - The apparatus side compartment interiors are to be coated with a coating with a flat background color with accenting fleck colors.

PAINT COLOR - The apparatus body paint shall be "cross referenced" from the chassis paint, and shall be painted to match the main chassis color as close as possible.

REFLECTIVE STRIPING - Reflective striping shall be applied to the perimeter of the truck. Size and design shall be determined by the department.

CHEVRON STRIPING - At least 50% of the rear of the unit shall be covered with Red and Yellow alternating 6" stripe in an inverted Chevron pattern.

LETTERING - Reflective lettering shall be applied to the cab doors at the direction of the purchaser. Photos or drawings of the lettering and striping layout shall be provided by the purchaser prior to construction.

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BIDDER INFORMATION FORM

BID PROPOSAL FOR CUSTOM BUILT 2020 LIGHT DUTY RESCUE SOLICITATION 422-0720-02

BIDDER NAME: _____

ADDRESS: _____

PHONE NUMBER: _____

EMAIL ADDRESS: _____

Having examined the BUYER'S specifications for a RESCUE APPARATUS, the BIDDER submits a

OPTION 1 GAS ENGINE TOTAL BID PROPOSAL PRICE OF:

\$ _____ Dollars and _____ Cents

OPTION 2 DIESEL ENGINE TOTAL BID PROPOSAL PRICE OF:

\$ _____ Dollars and _____ Cents

Nearest factory authorized repair and parts facility _____

Warranty Information enclosed? _____ Copy of CAD drawing enclosed? _____

Proposed manufacturer's product liability insurance coverage amount? _____

Any Exceptions to the specifications? _____ If yes please attach explanation to all exceptions.

BIDDER understands that the bid proposal shall not be withdrawn following the date of the bid proposal opening unless the purchaser has extended the opening date.

BIDDER understands that the BUYER may reject any and all bids and may not negotiate with any BIDDER to reduce or alter the bid proposal price.

In compliance with this Invitation for Bid for Light Duty Rescue and subject to all conditions thereof, the undersigned offers and agrees to furnish any or all items and/or services upon with prices are quoted, at the price quoted as specified.

My signature below certifies that the accompanying bid is not the result of or affected by, any act of collusion with another person or company engaged in the same line of business or commerce, or any act of fraud punishable under the Laws of the State of Tennessee or the United States. Furthermore, I understand that fraudulent and collusive bidding is a crime and can result in fines, prison sentences and civil damage awards. I hereby certify that I am authorized to sign this bid for the bidder.

Respectfully Submitted:

Signature: _____ Title: _____ Date: _____

IRAN DIVESTMENT ACT STATEMENT

A person engages in investment activities in Iran if:

(1) The person provides goods or services of twenty million dollars (\$20,000,000) or more in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran; or

(2) The person is a financial institution that extends twenty million dollars (\$20,000,000) or more in credit to another person, for forty-five (45) days or more, if that person will use the credit to provide goods or services in the energy sector in Iran and is identified on a list, created pursuant to § 12-12-106, as a person engaging in investment activities in Iran as described in this section.

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to Tennessee Code Annotated § 12-12-106."

Vendor Name: _____

Vendor Signature: _____

Date: _____