



**THE CITY OF SMYRNA
2800 KING STREET
SMYRNA, GEORGIA 30080**

INVITATION TO SUBMIT RFQ 16-024

**REQUEST FOR QUOTATIONS FOR
FIRE RESCUE APPARATUS**

It is the intent of the City of Smyrna to acquire a new Fire Department Rescue Apparatus that will withstand the continuous use encountered in the emergency response/rescue service. The apparatus to be purchased must adhere to the attached list of specifications as closely as possible.

Competitive sealed Quotations will be received at the City of Smyrna Purchasing Department, 2800 King Street, Smyrna, GA 30080, no later than 2 p.m. Tuesday, February 2, 2016, at which time the submitted Quotations will be publicly opened.

As described in the technical specifications attached, all bid submissions will be submitted and must comply with all general and special instructions. The City of Smyrna reserves the right to accept or reject any or all Quotations and award in the best interest of the City.

Quotations must be delivered to the address listed above no later than the time and date indicated. All information pertaining to Quotation number, description, bidder, and opening date must be completed on the orange label provided in the bid package and must be attached to outside of the sealed Quotation Package.

QUESTIONS: All questions or request for additional information must reference RFQ 16-024 FIRE RESCUE VEHICLE and must be submitted by noon on Monday, January 25, 2016. All questions and answers will be sent to all bidders. After the Proposal submission deadline, no contact will be permitted between bidders and any other City staff members or elected officials except the Purchasing Manager or her designee. The Purchasing Department office hours are 9:00 a.m. to 5:00 p.m., Monday through Friday. The phone number is 678-631-5337.

Penny Murphy

Penny Murphy, C.P.M.
Purchasing Manager

GENERAL INSTRUCTIONS

1. All Quotations must be delivered to the City of Smyrna Purchasing Department, 2800 King Street, Smyrna, Georgia 30080, no later than the time and date indicated in the Request for Proposal. Any Proposal received after that time will not be considered for award.
2. All Quotations submitted shall include all material and labor, F.O.B. destination, City of Smyrna, GA.
3. The City of Smyrna is a tax exempt Municipal Corporation. No sales tax will be charged on any products or services. Any sales tax paid on materials for the project shall be incorporated into the price of materials for the project. The City's FEI number is **58-6000664**.
4. The City of Smyrna reserves the right to waive any and all technicalities, formalities or irregularities. The City may also accept or reject any or all Quotations, and award the bid to the lowest responsive and responsible bidder in the best interest of the City. The City may reject the Proposal of any vendor that has previously failed to perform properly or complete on time, contracts of a similar nature. Quotations by a vendor that, in the sole opinion and discretion of the City of Smyrna, is not in the position to fulfill the contract may also be rejected.
5. All Quotations must be submitted using the bid pricing form provided. All information regarding bidder name, address, telephone number and contact person must be provided. Bidders must fill in bid prices and other information as indicated.
6. All bidders shall provide appropriate proof of a current and valid business/occupational license issued by an agency from within the State of Georgia. Any bidder owing taxes, fees or any other monies to the City of Smyrna will be automatically disqualified.
7. Quotations may be withdrawn by written or faxed request, provided such withdrawals are received prior to the time and date of the opening of bid Quotations.
8. All Quotations must be submitted with one original and two (2) copies.
9. If a bidder chooses to not submit, it is requested that a "NO BID" be submitted stating the reason for the "no bid". For our purposes, it is important that we know why bidders chose to not submit. Any bidder submitting a "no bid" will be recorded as such.
10. Bidders not responding will be recorded as "No Response". After three consecutive "No Responses", the bidder will be dropped from the bid list.

**RFQ 16-024****SMYRNA FIRE RESCUE UNIT****SPECIFICATIONS AND GENERAL REQUIREMENTS****GENERAL:**

The City of Smyrna desires to acquire a new fire department rescue apparatus that will withstand the continuous use encountered in the emergency response/rescue service. The apparatus shall be of the latest type, symmetrically proportioned and constructed with due consideration of the load to be sustained.

All parts not specifically mentioned herein, but which are necessary in order to furnish a complete fire rescue apparatus, shall be furnished and shall conform to the best practices known to the fire apparatus industry.

The apparatus shall comply with all Federal, State, and local requirements pertaining to vehicles used for rescue response.

The unit is to be of current year manufacture and is to be new and unused. The bid price shall not include any local, State, or Federal taxes.

These specifications shall be construed as minimum. Should the manufacturer's current published data or specifications exceed these, they shall be considered minimum and be furnished.

FAMA COMPLIANCE

The apparatus manufacturer must be a current member of the Fire Apparatus Manufacturer's Association (FAMA) and must provide certificate of membership.

PROPRIETARY PARTS

It is the intention of the City 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 City.

PRODUCT QUALITY AND WORKMANSHIP

The components provided and workmanship performed shall be of the highest quality available. 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 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 as specified by the City.

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.

WARRANTY

The following warrantees shall be provided:

1) ONE (1) 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 City, 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.

2) APPARATUS BODY WARRANTY, TEN (10) YEAR

The apparatus body as detailed herein shall have a structural warranty against defects in materials and workmanship for a period of ten (10) years, effective upon final payment in full by the City, and pick up or delivery of the completed apparatus to the City. Any unauthorized alterations or modifications to the body shall void this warranty.

3) PAINT WARRANTY, FIVE (5) YEAR

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 City, and pick up or delivery of the completed apparatus to the City. Any unauthorized alterations or modifications to the apparatus shall void this warranty.

4) APPARATUS ELECTRICAL WARRANTY, TWO (2) YEAR

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

NFPA 1906 COMPLIANCE

The National Fire Protection Association standard #1906 (most recent edition) is hereby adopted and made a part of these specifications, the same as if they were written out in full detail, insofar as they apply with the exception of any sections dealing with "Equipment Recommended for Various Types of Apparatus". Bidders are to provide only the equipment requested herein and the Department will supply the rest before the apparatus is put into service. The unit shall comply with all federal, state, ICC, and DOT motor vehicle regulations, standards, and laws relating to commercial vehicles as well as to fire apparatus on the date of the bid.

CENTER OF GRAVITY

The apparatus, prior to acceptance, will be required to meet the vehicle stability of the applicable NFPA Automotive Fire Apparatus Standard.

A calculated center of gravity shall be provided. The calculated or measured center of gravity (CG) shall be no higher than 80-percent of the rear axle track width.

CHASSIS DATA LABELS

The following information shall be on labels affixed to the vehicle:

Fluid Data:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Pump transmission lubrication fluid
- Pump primer fluid (if applicable)
- Drive axle(s) lubrication fluid
- Air conditioning refrigerant
- Air conditioning lubrication
- Power steering fluid
- Cab tilt mechanism fluid (if applicable)
- Transfer case fluid
- Equipment rack fluid (if applicable)
- Air compressor system lubricant
- Generator system lubricant (if applicable)

Chassis Data:

- Chassis Manufacturer
- Production Number
- Year Built
- Month Manufactured
- Vehicle Identification Number

COMMERCIAL CHASSIS SPECIFICATION**CHASSIS PROVIDER**

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

CHASSIS

Ford F-450 Superduty
Dual Rear Wheel

CAB

Four Door Crew Cab
200" Wheelbase
84" Cab-to-Axle

CAB SEATING

The front seating shall consist of a heavy duty vinyl 40/20/40 split front bench seat w/center armrest, cup holder, storage and manual driver-side lumbar support

REAR CAB SEATING

The rear seating shall consist of a heavy duty vinyl 60/40 bench flip-up/fold-down rear seat.

ENGINE

6.7L OHV Power Stroke Diesel V8 B20
300 HP @ 2800 RPM
Torque: 660 lb.-ft. @ 1,600 rpm
Induction System: Single-sequential Turbocharger; charged air cooler

TRANSMISSION

TorqShift 6-Speed Auto w/OD
Heavy duty, Includes SelectShift

AMBULANCE PREPARATION PACKAGE

Alternators, Dual 200 AMP Heavy Duty
Batteries, Dual 12 Volt: 750- CCA/ 78-amp-hour
Air Conditioning

GROSS VEHICLE WEIGHT

GVW front: 5,940 lbs.
GVW rear: 9,750 lbs.
GVW total: 16,000 lbs.

DRIVE

Four Wheel Drive with manual transfer case shift, and manual locking hubs.

FUNCTIONAL

Brakes – 4-wheel Anti-Lock Braking System (ABS)
Fuel tank – 40 gallon aft-axle
Exhaust Termination – Right Side in front of rear wheel.
Shock absorbers – Heavy duty gas
Springs, rear auxiliary
Stabilizer bars – front and rear
Stationary Elevated Idle Control, SEIC (Diesel Only)
Steering – power
Steering damper
Trailer wiring – 7-wire harness w/relays, blunt cut & labeled

INTERIOR

Door trim – armrest/grab handle & reflector

Headliner – color coordinated molded cloth

Horn – dual electric

Floor covering – black vinyl full

Instrumentation – tachometer, speedometer, turbo boost (diesel only), oil pressure, coolant temperature, fuel gauge, transmission temperature gauge (automatic only), indicator lights & Message Center/odometer, trip odometer, engine hour meter & warning messages

Mirror – rearview 11.5" day/night

Power point - auxiliary

Scuff plates – color coordinated

Steering wheel – black vinyl

Sunvisors – color coordinated cloth, single driver w/pocket, single passenger w/ mirror insert

Upfitter switches (4) on the instrument panel

Windshield Wipers – interval control

INTERIOR TRIM PRIMARY COLOR

The cab interior primary color shall be Steel (Gray).

EXTERIOR

Fender moldings – front, black

Fender vents – front

Glass – solar tinted

Headlamps – dual beam jewel effect

Lights – roof marker/clearance lamps

Mirrors – manually telescopic trailer tow w/manual glass & 2-way fold

Tow hooks – (2) front

Window – rear, fixed

SAFETY/SECURITY

Air bag – driver & front passenger

Air bag – passenger side air bag deactivation switch (Regular Cab & SuperCab)

Belt-Minder – chime & flashing warning light if belt not buckled

Safety belts – color coordinated w/height adjustment (front outboard seating positions)

AUDIO

AM/FM stereo, w/digital clock & 2-speakers

GRILLE

Black painted

BUMPER

Chrome Steel with grained MIC top cover.

WHEELS

Six (6), 10-hole Disc, 19.5" x 6" RW Steel

TIRES

Six (6) LT225/70Rx19.5G BSW Max Traction tires shall come supplied from ford with the chassis.

CHASSIS PAINT COLOR

The cab shall be painted a single color by the chassis manufacturer:

Color: Race Red

Paint Number: PQ

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 polished stainless steel step bars shall be mounted to each side of the chassis. There shall be a slip resistant step pad located bellow 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. A label shall be placed near the receiver stating the maximum trailer weight, tongue weight and straight-line pull rating. The receiver shall accept a 2" hitch. One (1) 7-prong connector with a weatherproof cover shall be supplied and mounted near the rear receiver tube.

CHASSIS TOW HOOKS

The front tow hooks shall be supplied by the chassis manufacturer.

REAR TOW PLATES

Two (2) rear tow plates with 1-1/2" I.D. holes, constructed with 1" steel plate shall be provided on the apparatus. These shall be located below the apparatus body and fastened to the rear chassis frame rails.

The tow plates shall be painted black.

REAR MUD FLAPS

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

CONSOLE

The middle section of the bench seat shall be removed by the apparatus manufacturer and a center console shall be installed. The console shall have 18" of mounting space and a 12" map box section with two (2) dividers.

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 Disconnect".

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**APPARATUS BODY (10 YEAR WARRANTY)****BODY DESIGN**

The body shall be modular in design, allowing it to be removed and remounted on a new chassis.

BODY CONFIGURATION

The apparatus body shall be 132" long. It shall have full height compartments on both sides.

BODY WIDTH

The overall width of the apparatus body shall be 93" wide.

BODY HEIGHT

The overall height of the apparatus body shall be 59" tall.

SUBFRAME

The body shall be attached to and supported by a heavy duty, spring loaded, and aluminum sub-frame u-bolted to the truck frame. The sub-frame shall be spring mounted to the chassis frame to allow for independent flexing of the body in relation to the chassis frame.

BODY CONSTRUCTION

The body shall be fabricated using aluminum extrusions, angle, smooth aluminum sheet and aluminum tread plate providing a durable, corrosion resistant, and lightweight body. All seams shall be welded. All outside corners on body shall have a minimum 1/2" radius.

The entire body shall be a welded into a one piece module, assembled and painted prior to mounting on the chassis.

COMPARTMENT CONSTRUCTION

The compartments, including the floors, shall be constructed .125" 5052-H32 Aluminum. All seams shall be completely welded. Divider walls between compartments shall be single wall construction with a minimum wall thickness of .125". Compartment floors shall have a minimum of a 3/4" lip above bottom of the door opening, providing a sweep out design.

For adequate ventilation and air displacement, each compartment shall be properly louvered with square vents.

The rearmost wall of the rear compartments shall have removable panels, constructed of aluminum, to cover and protect all 12 volt electrical accessories mounted on the walls. The panels shall be removable to provide access to those components.

FENDER PANELS

Side fender panels above the rear wheels shall be .125" 5052-H32 Aluminum.

FENDER LINERS

Fender liners shall be welded into the wheel well area, above the rear wheels.

SIDE BODY HEADER

On the upper area of the apparatus body, directly above the side compartment door openings, a header is to be fabricated from smooth, aluminum sheet. This area shall be painted the same color as the apparatus body.

All compartment tops shall be overlaid with NFPA approved non-slip tread plate unless options such as upper compartments are selected by the City.

ROLL-UP DOORS

All compartment doors shall be R.O.M. Roll-Up doors of appropriate size. The slats shall be constructed of a double wall frame extrusion. The exterior surface shall be flat and interior surface to be concave to prevent loose equipment from jamming the door. Slats shall be anodized to prevent oxidation and will have interlocking shoes on every slat.

Track shall be one-piece aluminum with an attaching flange and finishing flange incorporated into its design which facilitates installation and provides a finished look to installation without adding trim. Track to have replaceable side seal, which prevents water and dust intrusion into the compartment.

Drip rail to be supplied by roll-up door manufacturer. Drip rail will have replaceable wiper seal to be made of aluminum.

Each door to have a counterbalance drum to assist in lifting and eliminate risk of accidental closing. Roller shall be mounted in the top of the compartment and shall have spring tension preset at the factory prior to installation.

COMPARTMENT SHELF TRACKS - ALUMINUM

Heavy-duty aluminum Uni-Strut tracks shall be provided in the compartments as specified. The tracks shall not be welded to the apparatus body. The Uni-strut tracks shall allow the shelving to be positioned at any location in the compartment by simply loosening a bolt on each end of the shelf, pushing inward on the bolt, and sliding the shelf to the desired location.

COMPARTMENT SHELVING-SIDE COMPARTMENTS

Adjustable shelving shall be installed in the side compartments identified late in this specification. Each shelf shall be made of .125" smooth aluminum with a 2" high perimeter retaining lip with welded corners.

Each shelf shall have a 300 lbs. static load capacity.

LEFT SIDE COMPARTMENT IN FRONT OF REAR WHEELS, L1

There shall be one (1) full height compartment ahead of the rear wheels, approximately 52" wide x 53" high x 21" deep in the lower portion and transverse in forward 26" of the rear wall, above the frame of the chassis.

The compartment shall have a roll up door. The door shall have a satin finish.

LIFT BAR

The door shall be supplied with a full width lift bar and finger pull handle integrated into the bottom rail for easy one hand operation. The lift bar shall be constructed of aluminum.

One (1) louver vent shall be installed in the compartment.

ADJUSTABLE SHELVING TRACKS

There shall be two (2) uni-strut channels, one (1) per side, installed in the compartment.

ADJUSTABLE SHELF

There shall be One (1) adjustable shelf located in the compartment.

COMPARTMENT LIGHT(S)

One (1) vertically mounted R.O.M. DuroStrip LED strip light shall be installed inside the compartment.

- The compartment light(s) shall be mounted in the door jamb to illuminate the compartment interior.
- The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

LEFT SIDE ABOVE WHEEL COMPARTMENT, L2

There shall be one (1) standard height compartment above of the rear wheels, approximately 49-3/4" wide x 32" high x 21" deep.

The compartment shall have a roll up door. The door shall have a satin finish.

LIFT BAR

The door shall be supplied with a full width lift bar and finger pull handle integrated into the bottom rail for easy one hand operation. The lift bar shall be constructed of aluminum.

One (1) louver vent shall be installed in the compartment.

ADJUSTABLE SHELVING TRACKS

There shall be two (2) uni-strut channels, one (1) per side, installed in the compartment.

ADJUSTABLE SHELF

There shall be One (1) adjustable shelf located in the compartment.

COMPARTMENT LIGHT(S)

One (1) vertically mounted R.O.M. DuroStrip LED strip light shall be installed inside the compartment.

- The compartment light(s) shall be mounted in the door jamb to illuminate the compartment interior.
- The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

LEFT SIDE COMPARTMENT BEHIND REAR WHEELS, L3

There shall be one (1) full height compartment behind of the rear wheels, approximately 23-3/4" wide x 53" high x 21" deep.

The compartment shall have a roll up door. The door shall have a satin finish.

LIFT BAR

The door shall be supplied with a full width lift bar and finger pull handle integrated into the bottom rail for easy one hand operation. The lift bar shall be constructed of aluminum.

One (1) louver vent shall be installed in the compartment.

ADJUSTABLE SHELVING TRACKS

There shall be two (2) uni-strut channels, one (1) per side, installed in the compartment.

ADJUSTABLE SHELF

There shall be One (1) adjustable shelf located in the compartment.

RIGHT SIDE COMPARTMENT IN FRONT OF REAR WHEELS, R1

There shall be one (1) full height compartment ahead of the rear wheels, approximately 52" wide x 53" high x 21" deep in the lower portion and transverse in forward 26" of the rear wall, above the frame of the chassis.

The compartment shall have a roll up door. The door shall have a satin finish.

LIFT BAR

The door shall be supplied with a full width lift bar and finger pull handle integrated into the bottom rail for easy one hand operation. The lift bar shall be constructed of aluminum.

One (1) louver vent shall be installed in the compartment.

ADJUSTABLE SHELVING TRACKS

There shall be two (2) uni-strut channels, one (1) per side, installed in the compartment.

ADJUSTABLE SHELF

There shall be One (1) adjustable shelf located in the compartment.

COMPARTMENT LIGHT(S)

One (1) vertically mounted R.O.M. DuroStrip LED strip light shall be installed inside the compartment.

- The compartment light(s) shall be mounted in the door jamb to illuminate the compartment interior.
- The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

RIGHT SIDE ABOVE WHEEL COMPARTMENT, R2

There shall be one (1) standard height compartment above of the rear wheels, approximately 49-3/4" wide x 32" high x 21" deep.

The compartment shall have a roll up door. The door shall have a satin finish.

LIFT BAR

The door shall be supplied with a full width lift bar and finger pull handle integrated into the bottom rail for easy one hand operation. The lift bar shall be constructed of aluminum.

One (1) louver vent shall be installed in the compartment.

ADJUSTABLE SHELVING TRACKS

There shall be two (2) uni-strut channels, one (1) per side, installed in the compartment.

ADJUSTABLE SHELF

There shall be One (1) adjustable shelf located in the compartment.

COMPARTMENT LIGHT(S)

One (1) vertically mounted R.O.M. DuroStrip LED strip light shall be installed inside the compartment.

The compartment light(s) shall be mounted in the door jamb to illuminate the compartment interior.

The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

RIGHT SIDE COMPARTMENT BEHIND REAR WHEELS, R3

There shall be one (1) full height compartment behind of the rear wheels, approximately 23-3/4" wide x 53" high x 21" deep.

The compartment shall have a roll up door. The door shall have a satin finish.

LIFT BAR

The door shall be supplied with a full width lift bar and finger pull handle integrated into the bottom rail for easy one hand operation. The lift bar shall be constructed of aluminum.

One (1) louver vent shall be installed in the compartment.

ADJUSTABLE SHELVING TRACKS

There shall be two (2) uni-strut channels, one (1) per side, installed in the compartment.

ADJUSTABLE SHELF

There shall be One (1) adjustable shelf located in the compartment.

COMPARTMENT LIGHT(S)

One (1) vertically mounted R.O.M. DuroStrip LED strip light shall be installed inside the compartment.

The compartment light(s) shall be mounted in the door jamb to illuminate the compartment interior.

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. It shall be approx 30" wide x 49" deep, and start above the frame rail of the chassis.

SLIDE-OUT TRAY, 1000 lb. DUAL DIRECTION

One (1) 1000 lb. SLIDEMASTER slide-out tray with 70% extension shall be mounted in the compartment, in the transverse area.

The tray shall be capable of extending out of both sides of the unit.

The tray shall have a "gravity lock" that shall unlock the unit when it is turned either 90 degrees left or right and locks the unit in both the seated and extended positions by rotation of a handle.

The deck shall be constructed of 7/16" plywood and have a 1-1/2" aluminum lip on all four (4) corners.

REAR CENTER COMPARTMENT, CR1

There shall be one (1) compartment at the rear, approximately 50" wide x 43" tall x 96" deep.

The rear compartment shall be closed into the side compartments.

The compartment shall have a roll up door. The door shall have a satin finish.

LIFT BAR

The door shall be supplied with a full width lift bar and finger pull handle integrated into the bottom rail for easy one hand operation. The lift bar shall be constructed of aluminum.

COMPARTMENT LIGHT(S)

One (1) vertically mounted R.O.M. DuroStrip LED strip light shall be installed inside the compartment.

- The compartment light(s) shall be mounted in the door jamb to illuminate the compartment interior.
- The compartment light(s) shall be controlled by a magnetic "On-Off" switch located on each compartment door.

SLIDE-OUT TRAY, 1000 lb.

One (1) 1000 lb. SLIDEMASTER slide-out tray with 100% extension shall be mounted in the compartment.

The frame of the tray shall be made with steel and shall roll on sealed, steel bearings.

The tray shall have a "gravity lock" that shall unlock the unit when it is turned either 90 degrees left or right and locks the unit in both the seated and extended positions by rotation of a handle.

The deck shall be constructed of 7/16" plywood and a 1 1/2" aluminum lip all around.

FUEL FILL W/ ACCESS DOOR

One (1) Cast Products aluminum 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".

DIESEL EXHAUST FLUID FILL

One (1) Cast Products aluminum diesel exhaust fluid fill with a hinged access door shall be installed in the left hand side wheel well forward of the axle. It shall be labeled "Diesel Exhaust Fluid Only"

FRONT BODY PROTECTION PANELS

Aluminum tread plate overlays and panels shall be installed on the front of the body compartment from the lower edge to the top of the compartment doors.

WHEEL WELL PROTECTION PANELS

Aluminum tread plate overlays and panels shall be installed on the side fender panels, above the rear wheels.

REAR LOWER BODY PROTECTION PANEL

Aluminum tread plate overlays and panels shall be installed the full width of the body, in the area below rear compartment and above the tailboard.

REAR TAILBOARD

A rear tailboard with diamond plate aluminum covering will be provided at the rear of the truck. It shall consist of one step made of grip-strut material. The step shall be 93" wide x 12" deep.

EXTERIOR GRAB RAILS

Each grab rail shall be non-slip, 1-1/4" 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.

GRAB RAILS, REAR, VERTICAL

There shall be two (2) grab rails, located at the rear of the body. One (1) shall be located on the left hand side and one (1) shall be located on the right hand side.

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) Kussmaul 091-85-12 Low Voltage alarm system shall be supplied and installed with a Cole Hersee 4112-RC 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

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 left hand side and one (1) light located on the right hand 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

A Whelen model 0SR00FCR flashing red LED light, located in the driving compartment, 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.

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.

BRAKE, TAIL, TURN LIGHTS

One (1) pair of flush-mount round 4" 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" 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.

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

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) WHELEN model JE2NFPA 56" LED lightbar shall be supplied and mounted. The lightbar shall have clear lenses and contain the following modules:

- Four (4) RED LIN6 LED modules, two (2) on each corner.
- Four (4) RED CON3 LED modules, across the front
- Two (2) WHITE CON3 LED modules, on the front

The forward facing white lights shall be automatically disabled for the "Blocking Right of Way" mode.

LIGHT BAR ACTUATION

The light bar shall be controlled by a switch in the cab.

LOWER FRONT WARNING LIGHTS

One (1) pair of Whelen model 70R02FRR Super LED warning lights shall be installed, one (1) each side on the front of the chassis cab. The dimensions of the lights shall be 3-1/16" high x 7-1/4" wide.

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 Whelen model LINZ6 LED warning lights shall be installed, one (1) each side of the chassis cab front fenders. The dimensions of the lights shall be 2" high x 4" wide.

The lights shall be red in color with clear lens.

There shall be black bezels supplied and installed on the lights.

LOWER MID-BODY WARNING LIGHTS

One (1) pair of Whelen model 70R02FRR Super LED warning lights shall be installed, one (1) each side of the apparatus, mid-body. The dimensions of the lights shall be 3-1/16" high x 7-1/4" wide.

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 Whelen model 70R02FRR Super LED warning lights shall be installed, one (1) each side on the lower rear of the apparatus body. The dimensions of the lights shall be 3-1/16" high x 7-1/4" wide.

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) Whelen model #295SLSA1 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) Whelen model SA315P 100 watt speaker shall be provided. The speaker shall have a nylon composite black housing with front loaded, powder coated speaker driver. The speaker shall produce a minimum sound output of 120 dB at 10 feet to meet current NFPA 1901/1906 requirements. The speaker shall be wired to the electric siren located in the cab.

The speaker shall be located on the right hand side of the bumper.

PAINT, STRIPING, AND LETTERING SECTION**IMMERSION PRIMING**

Before painting the body shall go through a computer controlled 12 stage electro-cathodic immersion prime paint system.

There shall be a 5-stage pre-treat system to ensure consistent primer adhesion. In this process, the body is treated with phosphate to ensure the primer adheres to the metal.

The body shall then be plunged into a vat of high voltage, electrically charged primer that shall fuse the paint to the aluminum. This process ensures that all surfaces, even the most hidden, receive a uniform, smooth, consistent layer of protection, NO EXCEPTION TO THIS REQUIREMENT SHALL BE ALLOWED.

PAINT FINISH

The body shall be painted with a PPG Delfleet Evolution Paint System.

As part of the curing process the painted body shall go through a baking process. The painted components shall be baked at 185 degrees for 3 hours to achieve a complete coating cure on the finished product.

After bake and ample cool down time, the coated surface shall be sanded using 3M 1000, 1200, and or 1500 grit sandpaper to remove surface defects. In the final step, the surface shall be buffed with 3M Super-duty compound to add extra shine to coated surface. No more than .5 mil shall be removed in this process.

UNDERCOATING

The entire understructure of the apparatus body shall be undercoated using Monsey 2.7 Low VOC Solvent Base Sound Sealer.

SIDE COMPARTMENT FINISH, ZOLATONE

The apparatus side compartment interiors are to be coated with Zolatone, a polychromatic, modified nitrocellulose coating with a flat background color with accenting fleck colors. The compartments shall be cleaned with a grease remover, and then the surface sanded and prepared for painting. The Zolatone finish is washed and waxed like paint, and is resistant to man solvents and wear.

REAR COMPARTMENT FINISH, JOB COLOR

The rear body compartment interior shall be painted job color.

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 City.

Photos or drawings of the lettering and striping layout shall be provided by the City prior to construction.

NFPA Compliant reflective material shall be affixed to the inside of each hinged door.

EQUIPMENT SECTION

The following equipment (if listed below) shall be supplied with the apparatus by the manufacturer. It shall be shipped loose unless detailed below or otherwise in these specifications.

CITY RESPONSIBILITY

It shall be the responsibility of the City to supply all NFPA 1906 equipment not listed in this specification before the apparatus is placed in service.



BID PRICING SHEET

RFQ 16-024 FIRE RESCUE APPARATUS

COMPANY: _____

REPRESENTATIVE: _____

ADDRESS: _____

CONTACT: _____ PHONE: _____

EMAIL: _____

The _____ Company submits the following bids for RFQ 16-024 FIRE RESCUE APPARATUS as specified.

I. TOTAL ALL INCLUSIVE PRICE FOR VEHICLE (F.O.B. SMYRNA, GA)

\$ _____

II. Additional Pricing included above must be documented.

III. Bid Pricing Check List is required and attached.

IV. Please indicate an approximate anticipated delivery schedule:

_____ calendar weeks

SIGNED: _____

Print Name: _____

TITLE: _____

This Pricing Form Submitted and Signed by a Supplier Representative with Authority to submit and support the bid.

RFQ 16-024
Fire Rescue Apparatus
Bid Pricing Check List
(Must be submitted with your Bid Pricing Sheet)

<u>SPECIFICATION</u>	<u>YES/NO</u>	<u>ALTERNATES</u>	<u>EXCEPTIONS NOTED</u>
<u>WARRANTY</u>			
<ul style="list-style-type: none"> • One (1) Year Apparatus Warranty • Apparatus Body Warranty, Ten (10) Year • Paint Warranty, Five (5) Year • Apparatus Electrical Warranty, Two (2) Year 			
<u>NFPA 1906 COMPLIANCE</u>			
<u>MEETS CENTER OF GRAVITY</u>			
<u>CHASSIS DATA LABELS</u>			
<ul style="list-style-type: none"> • Fluid Data • Chassis Data 			
<u>COMMERCIAL CHASSIS SPECIFICATION</u>			
<ul style="list-style-type: none"> • Ford F-450 Superduty • Dual Rear Wheel 			
<u>CAB</u>			
<ul style="list-style-type: none"> • Four Door Crew Cab • 200" Wheelbase • 84" Cab-to-Axle 			
<u>CAB SEATING -</u>			
<u>REAR CAB SEATING -</u>			
<u>ENGINE</u>			
<ul style="list-style-type: none"> • 6.7L OHV Power Stroke Diesel V8 B20 • 300 HP @ 2800 RPM • Torque: 660 lb.-ft. @ 1,600 rpm • Induction System: Single-sequential Turbocharger; charged air cooler 			
<u>TRANSMISSION</u>			
<ul style="list-style-type: none"> • TorqShift 6-Speed Auto w/OD 			

SPECIFICATION	YES/NO	ALTERNATES	EXCEPTIONS NOTED
<ul style="list-style-type: none"> Heavy duty, Includes SelectShift 			
AMBULANCE PREPARATION PACKAGE Alternators, Dual 200 AMP Heavy Duty Batteries, Dual 12 Volt: 750- CCA/ 78-amp-hour			
AIR CONDITIONING			
GROSS VEHICLE WEIGHT GVW front: 5,940 lbs. GVW rear: 9,750 lbs. GVW total: 16,000 lbs.			
DRIVE Four Wheel Drive with manual transfer case shift, and manual locking hubs.			
FUNCTIONAL <ul style="list-style-type: none"> Brakes – 4-wheel Anti-Lock Braking System (ABS) Fuel tank – 40 gallon aft-axle Exhaust Termination – Right Side in front of rear wheel. Shock absorbers – Heavy duty gas Springs, rear auxiliary Stabilizer bars – front and rear Stationary Elevated Idle Control, SEIC (Diesel Only) Steering – power Steering damper Trailer wiring – 7-wire harness w/relays, blunt cut & labeled 			
MEETS ALL INTERIOR REQUIREMENTS Interior Trim Primary Color			
MEETS ALL EXTERIOR REQUIREMENTS			
MEETS ALL SAFETY/SECURITY REQUIREMENTS			
AUDIO AM/FM stereo, w/digital clock & 2-speakers			
GRILLE Black painted			
BUMPER Chrome Steel with grained MIC top cover.			

SPECIFICATION	YES/NO	ALTERNATES	EXCEPTIONS NOTED
WHEELS Six (6), 10-hole Disc, 19.5" x 6" RW Steel			
TIRES Six (6) LT225/70Rx19.5G BSW Max Traction tires shall come supplied from Ford with the chassis.			
CHASSIS PAINT COLOR The cab shall be painted a single color by the chassis manufacturer: Color: <u>Race Red</u> Paint Number: <u>PQ</u>			
MEETS CHASSIS MODIFICATIONS AS SPECIFIED <ul style="list-style-type: none"> • Step Bars Towing Hitch Receiver • Chassis Tow Hooks • Rear Tow Plates • Rear Mud Flaps • Console • Master Body Disconnect Switch • Back-Up Alarm 			
MEETS APPARATUS BODY SPECIFICATIONS <ul style="list-style-type: none"> • Body Design • Body Configuration • Body Width • Body Height 			
MEETS SUBFRAME REQUIREMENTS			
MEETS BODY CONSTRUCTION REQUIREMENTS			
MEETS COMPARTMENT CONSTRUCTION REQUIREMENTS			
FENDER PANELS			
FENDER LINERS			
SIDE BODY HEADER			
ROLL-UP DOORS			
COMPARTMENT SHELF TRACKS - ALUMINUM			
COMPARTMENT SHELVING-SIDE COMPARTMENTS			
LEFT SIDE COMPARTMENT IN FRONT OF REAR			

SPECIFICATION	YES/NO	ALTERNATES	EXCEPTIONS NOTED
WHEELS, L1 <ul style="list-style-type: none"> • Lift Bar • Adjustable Shelving Tracks • Adjustable Shelf • Compartment Light(s) 			
LEFT SIDE ABOVE WHEEL COMPARTMENT, L2 <ul style="list-style-type: none"> • Lift Bar • Adjustable Shelving Tracks • Adjustable Shelf • Compartment Light(S) 			
LEFT SIDE COMPARTMENT BEHIND REAR WHEELS, L3 <ul style="list-style-type: none"> • Lift Bar • Adjustable Shelving Tracks • Adjustable Shelf 			
RIGHT SIDE COMPARTMENT IN FRONT OF REAR WHEELS, R1 <ul style="list-style-type: none"> • Lift Bar • Adjustable Shelving Tracks • Adjustable Shelf • Compartment Light(s) 			
RIGHT SIDE ABOVE WHEEL COMPARTMENT, R2 <ul style="list-style-type: none"> • Lift Bar • Adjustable Shelving Tracks • Adjustable Shelf • Compartment Light(s) 			
RIGHT SIDE COMPARTMENT BEHIND REAR WHEELS, R3 <ul style="list-style-type: none"> • Lift Bar • Adjustable Shelving Tracks • Adjustable Shelf • Compartment Light(s) 			
TRANSVERSE COMPARTMENT <ul style="list-style-type: none"> • Slide-Out Tray, 1000 Lb. Dual Direction 			

SPECIFICATION	YES/NO	ALTERNATES	EXCEPTIONS NOTED
<ul style="list-style-type: none"> • Rear Center Compartment, Cr1 • Lift Bar • Compartment Light(s) 			
SLIDE-OUT TRAY, 1000 lb.			
FUEL FILL W/ ACCESS DOOR			
DIESEL EXHAUST FLUID FILL			
FRONT BODY PROTECTION PANELS			
WHEEL WELL PROTECTION PANELS			
REAR LOWER BODY PROTECTION PANEL			
REAR TAILBOARD			
EXTERIOR GRAB RAILS			
GRAB RAILS, REAR, VERTICAL			
12 VOLT ELECTRICAL SYSTEM AS SPECIFIED			
ELECTRICAL SYSTEM (CHASSIS OEM)			
ELECTROMAGNETIC INTERFERENCE PROTECTION			
LOW VOLTAGE ALARM			
CHASSIS GROUND LIGHTS			
FRONT OF BODY GROUND LIGHTS			
REAR STEP GROUND LIGHTS			
GROUND LIGHT SWITCHING			
HAZARD LIGHT			
LICENSE PLATE LIGHT			
BRAKE, TAIL, TURN LIGHTS			
BACK UP LIGHTS			
MARKER LIGHTS			
NFPA AUDIBLE AND LIGHTING WARNING PACKAGE			
LIGHTBAR – AS SPECIFIED			
LIGHT BAR ACTUATION			
LOWER FRONT WARNING LIGHTS			
INTERSECTION WARNING LIGHTS			
LOWER MID-BODY WARNING LIGHTS			
LOWER REAR WARNING LIGHTS			
LOWER WARNING LIGHT ACTIVATION			
ELECTRIC SIREN AND CONTROL			

SPECIFICATION	YES/NO	ALTERNATES	EXCEPTIONS NOTED
ELECTRONIC SIREN SPEAKER			
MEETS SPECIFICATIONS FOR PAINT, STRIPING, & LETTERING SECTION <ul style="list-style-type: none"> • Immersion Priming No Exception To This Requirement • Paint Finish • Undercoating • Side Compartment Finish, Zolatone • Rear Compartment Finish, Job Color • Paint Color • Reflective Striping • Chevron Striping • Lettering 			
EQUIPMENT SECTION CITY RESPONSIBILITY It shall be the responsibility of the City to supply all NFPA 1906 equipment not listed in this specification before the apparatus is placed in service.			

Please complete Acknowledgements as follows:

ACKNOWLEDGEMENTS

We acknowledge that we take no exceptions to the requirements and specifications.

OR

We acknowledge that we do take exceptions to the requirements or specifications and an itemized list of exceptions is attached.

AND

We acknowledge receipt of City's Vehicle Specifications and note any exceptions.

We acknowledge the Seller is a current member of the Fire Apparatus Manufacturer's Association (FAMA) and has provided certificate of membership.

Signature

Printed Name

Title

Date _____



ADVERTISEMENT

INVITATION TO SUBMIT RFQ 16-024

REQUEST FOR QUOTATIONS FOR **FIRE RESCUE APPARATUS**

It is the intent of the City of Smyrna to acquire a new Fire Department Rescue Apparatus that will withstand the continuous use encountered in the emergency response/rescue service. The apparatus to be purchased must adhere to the attached list of specifications as closely as possible.

Competitive sealed Quotations will be received at the City of Smyrna Purchasing Department, 2800 King Street, Smyrna, GA 30080, no later than 2 p.m. Tuesday, February 2, 2016, at which time the submitted Quotations will be publicly opened.

As described in the technical specifications attached, all bid submissions will be submitted and must comply with all general and special instructions. The City of Smyrna reserves the right to accept or reject any or all Quotations and award in the best interest of the City.

Quotations must be delivered to the address listed above no later than the time and date indicated. All information pertaining to Quotation number, description, bidder, and opening date must be completed on the orange label provided in the bid package and must be attached to outside of the sealed Quotation Package.

QUESTIONS: All questions or request for additional information must reference RFQ 16-024 FIRE RESCUE VEHICLE and must be submitted by noon on Monday, January 25, 2016. All questions and answers will be sent to all bidders. After the Proposal submission deadline, no contact will be permitted between bidders and any other City staff members or elected officials except the Purchasing Manager or her designee. The Purchasing Department office hours are 9:00 a.m. to 5:00 p.m., Monday through Friday. The phone number is 678-631-5337.

Penny Murphy

Penny Murphy, C.P.M.
Purchasing Manager