

Anderson County Government

Request for Proposals (Formal)

100 North Main Street, Suite 214
Courthouse
Clinton, Tennessee 37716
(865) 457-6218 Office
(865) 457-6252 Fax

purchasing@andersontn.org
<http://andersontn.org/purchasing>

Bid No.: 4792

Date Issued: September 26, 2017

**Bids will be received until
2:30 p.m. Eastern Time on November 21, 2017**

Sealed bids are subject to the General Terms and Conditions of this bid, and any other data attached or incorporated by reference. RFPs will be received in the Anderson County Purchasing Office until the date and time specified above, and at that time publicly opened and read aloud.

ANDERSON COUNTY RESERVES THE RIGHT TO WAIVE ANY INFORMALITIES
IN OR TO REJECT ANY OR ALL PROPOSALS AND TO ACCEPT THE PROPOSAL DEEMED
FAVORABLE AND IN THE BEST INTEREST OF ANDERSON COUNTY.



Natalie Erb, Director of Finance

BID DESCRIPTION

Bid for a new Fire Truck for the Medford Volunteer Fire Department.

All vendors must submit one original and one exact copy of their response.

Contact Purchasing in writing with any questions. Refer to General Terms and Conditions Section 1.2.

General Terms and Conditions

BID ENVELOPE SUBMISSION INSTRUCTIONS:

Bids **MUST** be received in a sealed envelope/package with the bid number, company name and opening date clearly marked. Failure to comply may result in rejection of the entire bid. Anderson County will not be responsible for any lost or misdirected mail. Late bids, e-mailed bids and faxed bids will not be considered nor returned. It is the sole responsibility of the bidder to ensure their bid reach the Purchasing Department. If the bid is not delivered to the correct location by the correct time it is not considered.

Please note that Anderson County Government does not receive a guaranteed delivery time for express mail and/or packages. PLEASE MAIL ACCORDINGLY.

ANDERSON COUNTY PURCHASING DEPARTMENT
100 NORTH MAIN STREET, SUITES 214 AND 218
CLINTON, TN 37716

Email: purchasing@andersontn.org
Website: <http://andersontn.org/purchasing>

(865) 457-6218 Phone
(865) 457-6252 Fax

**Bid documents must be completed in ink or typed, signed in ink,
and free from alterations, erasures or mark-throughs.**

SECTION 1 - GENERAL TERMS AND CONDITIONS

1.1 ALTERATIONS OR AMENDMENTS: Alterations, amendments, changes, modifications or additions to this solicitation shall not be binding on Anderson County without prior written approval.

1.2 NO CONTACT POLICY: After vendor receives a copy of this bid, any contact initiated by any vendor with any Anderson County representative, other than the Purchasing Department, concerning this invitation for bid is prohibited and agreements made thereto will not be considered binding on Anderson County. Any such unauthorized contact may cause the disqualification of the bidder from this procurement transaction.

1.3 QUESTIONS: Pursuant to TCA §12-4-113, questions regarding the specifications or bid procedures must be received by the Purchasing Agent and/or designer no less than ninety-six (96) hours before the bid opening date. No addenda within less than forty-eight (48) hours of the bid opening date shall be permitted. Any questions concerning the bid document must be submitted to purchasing@andersontn.org no less than ninety-six (96) hours before bid opening date.

1.4 BID CLOCK: The bid/time clock in the Anderson County Purchasing office will be the time of record.

1.5 TAXES: Anderson County is not liable for Federal excise or State sales tax. Tax exemption certificates will be provided upon request.

1.6 CONFLICT OF INTEREST: If requested by the Purchasing Agent, vendors must complete and submit a "Conflict of Interest Affidavit Statement" prior to contract award, see T.C.A. 5-14-114 and T. C. A. 12-4-101.

1.7 NON-COLLUSION: Vendors, by submitting a signed bid, certify that the accompanying bid is not the result of, or affected by, any unlawful act of collusion with any other person or company engaged in the

same line of business or commerce, or any other fraudulent act punishable under Tennessee or United States law.

1.8 NON-DISCRIMINATION: Vendors, during the performance of this contract, will not discriminate against any employee or applicant for employment because of race, religion, sex, national origin or disability except where religion, sex, national origin or disability is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor.

1.9 SAME AS OR EQUIVALENT TO: Vendors are to bid as specified herein or propose an approved equal. Determination of equality is solely Anderson County's responsibility. The designated brands are for reference purpose only, not a statement of preference. When an alternate manufacturer, brand, model or make is bid, Anderson County will determine if the item bid does meet or exceed the items as specified. If the bidder does not indicate that an alternate manufacturer, brand, model or make is being bid, it is understood that the item(s) bid are the same manufacturer, brand, model or make as was requested in the Invitation to Bid. Comparable products of other manufacturers will be considered if proof of comparability is contained in the bid. It shall be the responsibility of the vendors, including vendors whose product is referenced to furnish upon request catalog pages, brochures or other data as will provide an adequate basis for determining the quality and functional capabilities of the product offered. Failure to provide this data may be considered valid justification for rejection of bid.

1.10 MULTIPLE BIDS/AWARDS: Anderson County will consider multiple bids that meet specifications. Bid awards may include multiple approved vendors and the list of approved vendors may be added to or deleted from at any time.

1.11 STATE OF TENNESSEE CONTRACTORS' LICENSE LAW (T.C.A. 62-6-119) b): Bids for which the total cost of the project is twenty-five thousand dollars (\$25,000) or more, the outside of the sealed bid envelope/package containing the bid provides the following information: the Company Name, the Contractor's license number, license classification, the date of the license expiration and that part of each license classification applying to the bid. In addition, each heating ventilation or air conditioning, plumbing and electrical subcontractor's license number, date of the license expiration and that part of each classification applying to the bid if the value of the work is \$25,000 or greater, must be notated. If the value of either the contractor or the subcontractor's work is less than \$25,000, the bid envelope/package containing the bid is to be notated with the phrase "Contractor or Subcontractor's Bid is Less than \$25,000" after each appropriate heading. In the case of joint ventures, each party submitting the bid must provide this information. If no subcontractors are being used, the outside of the envelope/package containing the bid must state, "No Subcontractors are being used on this project."

1.12 ACCEPTANCE: Vendors shall hold their price firm and subject to acceptance by Anderson County for a minimum period of sixty (60) working days from the date of the bid opening, unless otherwise indicated in their bid. Any or all bids may be rejected for good cause.

1.13 BID AWARDS: Bids will be awarded to the lowest and best bidder, taking into consideration the qualities of the articles to be supplied, their conformity with specifications and their suitability to the requirements of Anderson County and the delivery terms. Anderson County also reserves the right to not award this bid.

1.14 PROTEST: Any vendor wishing to protest the bid award shall notify in writing the Anderson County Purchasing Agent and the County Law Director, 101 S. Main Street, Suite 310, Clinton, TN 37716. No protest will be accepted, except those protests made in writing and received within (10) ten calendar days of the bid award. Protests must be in writing and envelopes/package containing protest must be clearly marked with bid number and words "BID PROTEST". The Purchasing Agent, in conjunction with the Purchasing Commission, and with the advice and counsel of the County Law Director, shall review and make a final decision as to any bid protest. Appeals shall be filed in the Circuit or Chancery Courts of Anderson County within sixty (60) days of the final decision.

VENDORS PLEASE NOTE: ANDERSON COUNTY WILL NOT STOP THE PURCHASE PROCESS. THE PURCHASE MAY BE COMPLETED OR THE PROJECT MAY BE RE-BID WHILE THE PROTEST

**PROCEDURE IS STILL IN OPERATION. IF A RE-BID IS MADE, THE PROTESTING VENDOR SHOULD
SUBMIT A NEW BID. OTHERWISE, THEY WILL BE WITHOUT A BID ON THE RE-BID. FURTHER,
THE RE-BIDDING WILL NOT END THE APPEALS PROCESS. IT WILL CONTINUE UNTIL
A FINAL DECISION IS REACHED OR THE COMPLAINANT WITHDRAWS THE APPEAL.**

1.15 DELIVERY: Bid pricing is to include complete supply and delivery to Anderson County, Tennessee. Vendors are to state the delivery time in the bid. Anderson County requires that vendors deliver all products "free on board" to final destination unless indicated otherwise in their bid, reference Terms & Conditions section 2.4.

1.16 PROOF OF FINANCIAL AND BUSINESS CAPABILITY: Bidders must, upon the request of Anderson County, provide satisfactory evidence of their ability to furnish products or services in accordance with the terms and conditions of these specifications. Anderson County will make the final determination as to the bidder's ability.

1.17 VENDOR'S DEFAULT: Anderson County reserves the right, in case of vendor default, to procure the articles or services from other sources and hold the defaulting vendor responsible for any excess costs occasioned thereby.

1.18 DUPLICATE COPIES: Anderson County requires that all vendors submit one original and two exact copies of their bids, including brochures; unless additional copies are requested in bid specifications.

1.19 DRUG-FREE WORKPLACE: Under the provisions of Tennessee Code Annotated §50-9-113 enacted by the General Assembly effective 2001, all employers with five (5) or more employees who contract with either the state or a local government to provide construction services are required to submit an affidavit stating that they have a drug free workplace program that complies with Title 50, Chapter 9, in effect at the time of submission of a bid at least to the extent required of governmental entities. The statute imposes other requirements on the contractor and contractors should consult private legal counsel if legal questions arise under this section or any other provision of this document. All contractors shall provide a written affidavit signed by the principal officer of a covered employer acknowledging that the contracting entity is in compliance with the Drug Free Workplace laws of State of Tennessee.

1.20 RESTRICTIVE OR AMBIGUOUS SPECIFICATIONS: It is the responsibility of the bidder to review the entire Invitation to Bid document and to notify the Purchasing Department if the Invitation to Bid is formulated in a manner that would unnecessarily restrict competition or if it is ambiguous in what is being requested. The Purchasing Agent must receive questions regarding the specifications or bid procedures not less than ninety-six (96) hours prior to the time set for the bid opening.

1.21 SCHOOL CAFETERIA BIDS: If this bid is for Anderson County School's Cafeteria Food Service Department, bidders must be in compliance with Section 104(d) of the William F. Goodling Child Nutrition Reauthorization Act of 1998 which requires school and institutions participating in the National School Lunch Program (NSLP) and School Breakfast Program (SBP) to "Buy American" to the maximum extent practicable.

1.22 TERMINATION: Anderson County reserves the right to terminate this contract in whole or in part with thirty (30) days written notification to the contractor. In the event of termination, the County shall not be liable for any costs other than the cost of services performed and materials delivered and accepted prior to termination date.

1.23 OSHA SAFETY: The Contractor is responsible for training their employees in Safety and Health Regulations for the job, assuring compliance with Tennessee Occupational Safety and Health regulations and any other Regulatory Agency.

1.24 PERFORMANCE BOND: A standard surety or performance bond or an irrevocable letter of credit in favor of Anderson County Government at a federally insured financial institution will be required to be submitted with bid, if indicated in section four, item six insurance requirement checklist.

1.25 BACKGROUND CHECKS: Contractors shall comply with Public Chapter 587 of 2007, as codified in Tennessee Code Annotated Section 49-5-413, which requires all contractors to facilitate a criminal history records check conducted by the Tennessee Bureau of Investigation and the Federal Bureau of Investigation for each employee prior to permitting the employee to have contact with students or enter school grounds when students are present.

1.26 AWARD RESULTS: As soon as practicable after proposal or bid evaluations, Anderson County shall post the award decision to Vendor Registry at www.vendorregistry.com. Individual notices are normally not mailed or e-mailed except to the successful vendor.

1.27 PRICE INCREASE/DELIVERY CHARGES: Request for price or delivery charge increases must be received in writing 30-days prior to implementation. The Anderson County Purchasing Agent will review requests and make a determination to continue or cancel services.

1.28 INDEMNIFICATION/HOLD HARMLESS: Contractor shall indemnify, defend, save and hold harmless Anderson County and, its officers, agents and employees from all suits, claims, actions or damages of any nature brought because of, arising out of, or due to breach of the agreement by Contractor, its subcontractors, suppliers, agents, or employees or due to any negligent act or occurrence or any omission or commission of Contractor, its subcontractors, suppliers, agents or employees.

1.29 DECLARATIVE STATEMENT: Any statement or words (i.e.: must, shall, will, etc.) are declarative statements and the proposer must comply with the condition. Failure to comply with any such condition may result in their bid being non-responsive and disqualified.

1.30 WAIVING OF INFORMALITIES: Anderson County reserves the right to waive minor informalities or technicalities when it is in the best interest of Anderson County.

1.31 APPROPRIATION: In the event no funds are appropriated by Anderson County for the goods or services in any fiscal year or insufficient funds exist to purchase the goods or services, then the Contract shall expire upon the expenditure of previously appropriated funds or the end of the current fiscal year, whichever occurs first, with no further obligations owed to or by either party.

1.32 ASSIGNMENT: Contractor shall not assign or sub-contract this agreement, its obligations or rights hereunder to any party, company, partnership, incorporation or person without the prior written specific consent of Anderson County.

1.33 QUANTITIES: Anderson County does not guarantee quantities to be purchased off this bid.

1.34 UNIT PRICE: Unit price for each unit bid shall be shown and such price shall include packing unless otherwise specified. A total shall be entered in the amount column of the pricing page for each item bid. In case of discrepancy between any unit price and an extended price, the unit price will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.

1.35 MODIFICATION OR WITHDRAWAL OF BIDS: When it is certain that a mistake has been made in the preparation of the bid, a request will be made to the bidder to confirm the bid. Provisions must be made so that mistakes can be taken care of and the ambiguity resolved satisfactorily. Bids may be modified or withdrawn by written notice received in the Purchasing Department prior to the time and date set for the bid opening. The changes or withdrawal of the bids should be in writing and signed by an official of the company. The envelope containing the modification should clearly state "modification to bid." Either the entire bid or a particular item may be withdrawn or modified in this manner.

1.36 PRE-BID CONFERENCES: Attendance at Pre-bid Conference is strongly encouraged. When deemed necessary a Mandatory Pre-bid Conference will be held. A company representative MUST be in attendance and sign the Pre-bid sign-in sheet in order to be awarded the bid.

1.37 ADDENDUM: § T.C.A. 12-14-113 Anderson County Government reserves the right to amend this solicitation by addendum. Addendum will be posted to the vendor registry up to 48 hours in advance of the

bid/proposals due date and time. It is the bidder's responsibility to check the website for addendum. If in the County's opinion revisions are of such a magnitude, the deadline for this solicitation may be extended in an addendum. In addition, addendum can change specifications, reply sheets, and times and dates for pre-bid meetings as well as due dates/deadlines for questions and bids/proposals.

1.38 PROPOSALS: All proposals, once received, become property of Anderson County Government and will not be returned.

1.39 WEATHER AND COURTHOUSE CLOSINGS: In the event of a situation severe enough to necessitate the closing of Anderson County Government offices, bidders/proposers will receive notification of the new date and time upon re-opening of county government offices. No bids will be opened until the rescheduled date for bid opening and all bidders/proposers whose submissions meet the extended deadline will be given equal consideration at that time. Anderson County shall not be liable for any commercial carrier's decision regarding deliveries during inclement weather.

1.40 IRAN DIVESTMENT ACT OF 2014: Pursuant to the Iran Divestment Act of 2014, Tenn. Code Ann. § 12-12-106 requires the State of Tennessee Chief Procurement Officer to publish, using creditable information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. Inclusion on this list makes a person ineligible to contract with the City of Johnson City; if a person ceases its engagement in investment activities in Iran, it may be removed from the list. The State of Tennessee list is available here: <http://tennessee.gov/generalservices/article/Public-Information-library>.

MEDFORD VOLUNTEER FIRE DEPARTMENT FIRE TRUCK

BIDDING TERMS

The information contained in this document detail the minimum specifications for the purchase of one (1) brand new (never used) custom built pumper-tanker apparatus with the latest production design for the Medford Volunteer Fire Department ("Customer").

Any vendor who does not follow the requirements of these bid specifications shall be considered non-responsive and shall be disqualified for further consideration.

The apparatus shall be constructed entirely within the Continental United States utilizing every American made material or product available at time of production.

Each bid shall include the following:

- One (1) original and one (1) exact copy of bid
- One (1) set of Cad drawings
- Attachment 1, Price Sheet
- Attachment 2, Vendor Information Form
- Attachment 3, Non-Collusion Affidavit
- Attachment 4, Certificate of Liability Insurance Acknowledgment
- Attachment 5, Diversity Business Information Form (if applicable)
- A print out of the bid specifications contained herein with the "YES" or "NO" checked on each section.
- An Exception Sheet that provides a full explanation on any specification section that is marked as "NO" (if applicable).

All bids shall be valid for a period of no less than sixty (60) calendar days from the bid opening date and shall not be withdrawn. The County reserves the right to reject any and all bids that do not satisfy these requirements and do not meet the specific needs of the Customer.

CALENDAR OF EVENTS

Bid issue date: September 26, 2017

Bid due date: November 21, 2017 at 2:30p.m. Eastern Time

Estimated Contract Execution Date: December 11, 2017

Estimated Contract Completion Date: July 20, 2018

SPECIFICATIONS

Vendors must review each specification contained herein and indicate whether or not each specification will be complied with by checking either "YES" or "NO". "YES" certifies that the bidder complies with the specification 100%. Failure to indicate "YES" or "NO" to any section and failure to fully explain any exception, no matter how minor, may result in immediate disqualification.

Vendors must accept all specifications that are marked as accepting "NO EXCEPTIONS".

Any exceptions or deviations to the original specifications, regardless of how minor, must be marked with a "NO" and explained in detail on a vendor supplied Exception Sheet at the end of the vendor's bid proposal.

The only exceptions that will be considered are exceptions that are superior to the original specification. If no exceptions are noted, the original specifications shall be strictly adhered to at time of final inspection and delivery.

Specifications shall be submitted in the order of the bid.

America-Made Requirements

Bidder Complies: YES ___ NO ___

The apparatus shall be constructed entirely within the Continental United States utilizing every American made material or product available at time of production.

SERVICE CENTER

Bidder Complies: YES ___ NO ___

The manufacturer must operate a full service maintenance center to include engine and mechanical repair, preventative maintenance, full capacity fabrication shop, full paint and body shop, fire pump maintenance and repair, collision repair, electrical service and repair as well as a full service custom graphics shop.

There shall be multiple service centers across the United States that are authorized by the factory to perform service repairs. The authorized service centers shall operate fully capable mobile service vehicles so repairs can be made on site at the convenience of the Customer.

FAMA MEMBERSHIP

Bidder Complies: YES ___ NO ___

The Manufacturer shall be a current 2017 member of the Fire Manufacturer's Association. **NO EXCEPTIONS**

NON-PROPRIETARY PARTS

Bidder Complies: YES ___ NO ___

The finished apparatus shall be manufactured with parts that are commonly used by the heavy-duty trucking industry in order to assist the Customer in the future with costs and availability of replacement parts. **NO EXCEPTIONS**

COOPERATIVE PURCHASING

Bidder Complies: YES ___ NO ___

The Manufacturer shall honor the pricing in this proposal for any other government based agency that wishes to purchase a replica of this apparatus through a cooperative purchasing agreement.

PRIME (SINGLE SOURCE) BODY BUILDER

Bidder Complies: YES ___ NO ___

The Manufacturer shall be the prime builder of the apparatus. **NO EXCEPTIONS**

All engineering, design, fabrication, paint and finishing shall take place at the Manufacturer's main facility.

Design Quality

Bidder Complies: YES ___ NO ___

The body shall be designed and manufactured entirely from formed and welded aluminum plate and aluminum extrusions to ensure a high quality design and finish that shall provide years of uninterrupted service. Bodies that incorporate steel as structural support or that utilizes steel in any way shall be considered sub-standard and shall not be acceptable for this project.

Bodies that are mass produced from lower quality materials such as thin stamped utility style designs, bolted together designs or those that are manufactured by a third party shall be considered sub-standard and shall not be acceptable for this project.

RE-MOUNTING

Bidder Complies: YES ____ NO ____

The body shall be designed, manufactured and installed on the chassis to allow for complete removal for future re-mounting onto another chassis.

PRE-BUILD MEETING

Bidder Complies: YES ____ NO ____

There shall be a pre-build meeting held between the vendor and the Customer to finalize details prior to the start of fabrication.

This meeting shall be held in person at the factory or through a teleconference at the discretion of the Customer.

PERIODIC APPARATUS INSPECTIONS

Bidder Complies: YES ____ NO ____

At any time during the build process, the Customer may visit the factory during business hours to check-in on progress.

A factory representative must be on site to provide updates and let the Customer view the apparatus.

PROGRESS PICTURES

Bidder Complies: YES ____ NO ____

The Customer may request weekly progress pictures while the apparatus is in production.

FINAL INSPECTION VISIT

Bidder Complies: YES ____ NO ____

Prior to the delivery process of the new apparatus, representatives from the Customer may perform a final inspection while the vehicle is still at the factory. This visit shall be at the discretion of the Customer.

APPARATUS DELIVERY

Bidder Complies: YES ____ NO ____

The Customer shall take delivery of the finished apparatus at the factory following the final inspection visit to the plant unless other arrangements are made.

In order to ensure a proper break-in period on the engine, transmission and driveline components, the apparatus shall be driven home under its own power.

A vendor representative shall be on site to provide initial instruction in proper operation of all components on the apparatus.

DELIVERY DATE

Bidder Complies: YES ____ NO ____

The apparatus shall be available for delivery in approximately 220 days following award notification and contract signing.

MANUALS AND SERVICE INFORMATION

Bidder Complies: YES ____ NO ____

The Manufacturer shall provide, at time of delivery, one (1) full set of operational and maintenance manuals covering the apparatus and components as it is being delivered.

A permanent plate shall be mounted in the driver's compartment which specifies the quantity and type of fluid required on the apparatus including engine oil, engine coolant, transmission, pump transmission lubricant, pump primer oil (if applicable), chassis tire pressures, and drive axle lubricant.

GENERAL CONSTRUCTION

Bidder Complies: YES ____ NO ____

The apparatus shall be designed with due consideration to distribution of load between the front and rear axles, so that all specified equipment and a full complement of personnel will be carried without injury to the apparatus. Weight balance and distribution shall be in accordance with the recommendations of NFPA 1901.

The apparatus shall be designed so that the operator can perform all recommended daily maintenance checks easily without the need for hand tools.

Apparatus components that interfere with repair or removal of other major components must be attached with fasteners (cap, screws, nuts, etc.) so that the components can be removed and installed with normal hand tools. These components must not be welded or otherwise permanently secured into place.

The GAWR and GVWR of the chassis shall be adequate to carry the fully equipped apparatus including unequipped personnel weight and a miscellaneous equipment allowance per NFPA criteria. It shall be the responsibility of the Customer to provide the Vendor with the weight of equipment to be carried if it is in excess of the allowance as set forth by NFPA.

The height of the fully loaded vehicle's center of gravity shall not exceed the chassis manufacturer's maximum limit.

The apparatus shall be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair. Where special tools manufactured or designed by the contractor and are required to provide routine service on any component of the apparatus built or supplied by the contractor, such tools shall be provided with the apparatus.

QUALITY

Bidder Complies: YES ____ NO ____

Workmanship and materials provided shall be of a quality unsurpassed for this apparatus.

All components requiring regular maintenance, lubrication and visual inspections shall be readily accessible.

This apparatus shall be designed and manufactured for ease of operation and the highest level of safety available.

All aluminum welding shall follow American welding Society and ANSI D1.2-2003 requirements for structural welding of aluminum.

All sheet metal welding shall follow American Welding Society B2.1-2000 requirements for structural welding of sheet metal. Flux core arc welding to use alloy rods, type 7000, American welding Society standards A5.20-E70T1.

Manufacturers must use welders that are tested and certified to meet the American Welding Society codes upon hire and every three (3) years thereafter.

PERFORMANCE TESTS AND REQUIREMENTS

Bidder Complies: YES ____ NO ____

A road test shall be conducted with the apparatus fully loaded and a continuous run of ten (10) miles or more shall be made under all driving conditions, during which time the apparatus shall show no loss of power or overheating.

The transmission drive shaft or shafts, and rear axle shall run quietly and be free from abnormal vibration or noise throughout the operating range of the apparatus. Vehicle shall adhere to the following parameters:

- The apparatus, when fully equipped and loaded, shall have not less than 25 percent or more than 50 percent of the weight on the front axle, and not less than 50 percent nor more than 75 percent on the rear axle.
- The apparatus shall be capable of accelerating to 35 mph from a standing start within 25 seconds on a level concrete highway without exceeding the maximum governed rpm of the engine.
- The service brakes shall be capable of stopping a fully loaded vehicle in 35 feet at 20 mph on a level concrete highway. The air brake system shall conform to Federal Motor vehicle Safety Standards (FMVSS) 121.
- The apparatus, fully loaded, shall be capable of obtaining a speed of 60 mph on a level concrete highway with the engine not exceeding the governed rpm (full load).

FAILURE TO MEET TEST

Bidder Complies: YES ____ NO ____

In the event the apparatus fails to meet the test requirements of these specifications on the first trial, second trials may be made at the option of the bidder within 30 days of the date of the first trial.

Such trials shall be final and conclusive and failure to comply with these requirements shall be cause for rejection.

Failure to comply with changes to conform to any clause of the specifications, within 30 days after notice is given to the Manufacturer of such changes, shall also be cause for rejection of the apparatus.

INSURANCE REQUIREMENTS

Bidder Complies: YES ____ NO ____

The Manufacturer shall defend any and all suits and assume all liability for the use of any patented process including any device or article forming a part of the apparatus or any appliance furnished under the contract.

COMMERCIAL GENERAL LIABILITY INSURANCE

During the performance of the contract and for three (3) years following acceptance of the product, the Manufacturer shall keep in force at least the following minimum limits of commercial general liability insurance:

- Each Occurrence: \$1,000,000
- Products/Completed Operations Aggregate: \$2,000,000
- Personal and Advertising Injury: \$1,000,000
- General Aggregate: \$2,000,000

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE

During the performance of the contract, the Manufacturer shall keep in force at least the following minimum limits of commercial automobile liability insurance:

- Each Accident Combined Single Limit: \$1,000,000

UMBRELLA/EXCESS LIABILITY INSURANCE

During the performance of the contract and for three (3) years following acceptance of the product, the Manufacturer shall keep in force at least the following minimum limits of umbrella liability insurance:

- Aggregate: \$1,000,000
- Each Occurrence: \$1,000,000

CERTIFICATION OF NFPA 1901 COMPLIANCE

Bidder Complies: YES ____ NO ____

As per NFPA 1901, the Customer shall assume the responsibility of determining, prior to the purchase of the apparatus, which will be responsible for ensuring that all aspects of NFPA 1901-2016 are met. The Manufacturer shall be responsible for providing or performing only the items requested by the Customer in the documents provided to the manufacturer by the purchaser.

Written certification shall be provided by the manufacturer stating that the delivered apparatus complies with the NFPA 1901-2016 Standard. If the Customer has elected to provide, perform, outsource and/or contract with a third party, any item required by NFPA 1901-2016 (per the previous paragraph), the manufacturer shall provide, upon delivery, a "Statement of Exceptions" per Chapter 4 of NFPA 1901. This "Statement of Exceptions" shall include the following:

1. A separate specification of the section of the NFPA Standard for which the apparatus is lacking compliance.
2. A description of the particular aspect of the apparatus that is not compliant.
3. A description of the further changes or modifications to the delivered apparatus which must be completed to achieve full compliance.
4. An identification of the entity that will be responsible for making the necessary post-delivery changes or modifications to the apparatus to achieve full compliance with the applicable standard.

The responsibility shall rest with the Customer to ensure that the apparatus not be placed into active emergency service until fully compliant with NFPA 1901.

FLUID CAPACITY LABEL

Bidder Complies: YES ____ NO ____

A permanent plate shall be mounted in the driver's compartment specifying the quantity and type of the following fluids used in the apparatus (if applicable) for normal maintenance:

1. Engine Oil.
2. Engine Coolant.
3. Transmission Fluid.
4. Pump Transmission Fluid.
5. Pump Primer Fluid (if applicable).
6. Drive Axle Fluid.
7. Air Conditioning Refrigerant.
8. Air Conditioning Lubrication Oil.
9. Power Steering Fluid.
10. Cab Tilt Mechanism Fluid (if applicable).
11. Transfer Case Fluid.
12. Equipment Rack Fluid (if applicable).
13. Generator System Lubricant.
14. Front and Rear Tire Pressures.

VEHICLE INFORMATION LABEL

Bidder Complies: YES ___ NO ___

There shall be a travel clearance warning label located in the chassis cab in easy view of the driver.

The travel clearance warning label to include the following information:

- 1. Overall travel clearance height in feet and inches.
- 2. Overall travel clearance width in feet and inches.
- 3. Gross Vehicle Weight Rating

OCCUPANCY LABEL

Bidder Complies: YES ___ NO ___

A permanent plate or label stating the maximum number of personnel allowed to ride on the apparatus at any one time shall be provided and installed in clear view of the driver.

The label shall state "VEHICLE MAXIMUM SEATING CAPACITY IS TWO (2)"

The label shall be visible from each seated position.

SEATED AND BELTED LABEL

Bidder Complies: YES ___ NO ___

Permanent plate or label shall be provided stating "OCCUPANTS MUST BE SEATED AND BELTED WHEN APPARATUS IS IN MOTION".

The label shall be visible from each seated position.

DO NOT RIDE LABEL

Bidder Complies: YES ___ NO ___

A permanent plate or label shall be attached to the appropriate areas of the apparatus stating that riding on the rear step or any exterior position on the apparatus is prohibited.

DO NOT WEAR HELMET LABEL

Bidder Complies: YES ___ NO ___

Permanent plate or label shall be provided stating "DO NOT WEAR HELMET WHILE SEATED".

The label shall be visible from each seated position.

COMMERCIAL CAB AND CHASSIS

Bidder Complies: YES ___ NO ___

This apparatus shall be built on a 2017 Kenworth T-370 commercial cab and chassis that contains the following minimum specifications:

2017 KENWORTH T-370

MISSION: Fire Truck Service Application – Heavy Duty

DIMENSIONS: Wheelbase: 204", CA: 137", Axle to Frame: 75"

DIESEL ENGINE: Cummins {Paccar PX-9} EPA 10, 380 HP @ 2000 RPM

FAN DRIVE {Horton} Direct Drive Type, Two Speed

RADIATOR, 1,000 Square Inches with Surge Tank

FEDERAL EMISSIONS Compliant

AIR CLEANER Single Element

EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles,
Complies With California Clean Air Regulations

OBD COMPLIANCE (On Board Diagnostics)

AUTOMATIC TRANSMISSION: {Allison 3000EVS} 5th Generation Controls; Close Ratio, 6-Speed; With
Overdrive, Includes Oil Level Sensor, With Provision for PTO

OIL COOLER, AUTO TRANSMISSION

TRANSMISSION SHIFT CONTROL {Allison} Push-Button Type; for
Allison 3000 & 4000 Trans

SHIFT CONTROL PARAMETERS Allison S-1 Performance
Programming in Primary and Allison Fixed Programming in
Secondary

TRANSMISSION OIL Synthetic

ALLISON SPARE INPUT/OUTPUT for Emergency Vehicle Series (EVS)

Automatic Neutral Feature

Rear Transmission Support System Installed

FRONT AXLE: Dana Spicer {E-14621} Wide Track, I-Beam Type, 14,600-lb Capacity

Spring Suspension w/ Shock Absorbers: 14,600-lb Capacity

Air Brake Package

REAR AXLE: Dana Spicer {S26-190} Single Reduction, 26,000-lb Capacity

Gear Ratio: 5.38

Spring Suspension: 26,000-lb Capacity

Air Brake Package w/ Locking Feature {Park}

CAB: Conventional

CAB INTERIOR TRIM: Deluxe – Gray Dash Panels

SEATBELT WARNING DEVICE Seat Belt Switches and Seat Sensors for
all Belted Positions

VEHICLE DATA RECORDER

BUCKET SEAT, DRIVER {National} NFPA Compliant, Air Suspension, High Back With Integral Headrest, Lumbar Support, 2 Position Front Cushion Adjust, 6 to 23 Degree Back Angle Adjust, Dual Arm Rests, 3-Point Restraint

BUCKET SEAT, PASSENGER {National} NFPA Compliant, High Back With Integral Headrest, Tool Box Seat Base, Dual Arm Rests, 3-Point Restraints

GRAB HANDLE {NFPA COMPLIANT} Each Side

MIRRORS Rectangular, 7.00" x 16.00", 8.00" Convex Both Sides, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Bright Finish Heads & Brackets

SEAT BELTS All Red

AIR CONDITIONER with Integral Heater & Defroster

INSTRUMENT PANEL GAUGE CLUSTER {English Measurements}

DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

WINDOW, PS POWER And Power Door Locks, Left and Right Doors

SELF CANCELLING TURN SIGNALS with Dimmer Switch

PAINT:

Viper Red

FRONT TIRES:

(2) 12R22.5 - 16 ply

FRONT WHEELS:

WHEELS, FRONT DISC; 22.5" Aluminum, 10-Stud Hub Piloted, Flanged Nut

REAR TIRES:

(4) 11R22.5 - 16 ply

REAR WHEELS:

OUTER WHEELS, REAR DISC; 22.5" Aluminum, 10-Stud Hub Piloted, Flanged Nut

FRONT TOW HOOKS:

TOW HOOK, FRONT (2) Frame Mounted Receivers {Removable Insert Hooks}

FRAME RAILS:

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.625" x 3.50" x 0.312"

FRONT BUMPER:

BUMPER, FRONT Full Width, Aerodynamic, Chrome Plated Steel

BRAKE SYSTEM:

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
AIR DRYER Standard
DRAIN VALVE Manual
AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle
Wheel Control System with Electronic Stability Control
Programming
Spring Actuated Parking Brake

AIR COMPRESSOR:	AIR COMPRESSOR {Cummins} 18.7 CFM Capacity
STEERING WHEEL:	STEERING WHEEL 4-Spoke, 18" Diam., Black STEERING COLUMN Tilting and Telescoping
ENGINE EXHAUST:	EXHAUST SYSTEM Single Horizontal, Aftertreatment Device, Frame Mounted Right Side, for Use With Long Tail Pipes
ENGINE BRAKE:	ENGINE TURBO EXHAUSE BRAKE
ELECTRICAL SYSTEM:	ELECTRICAL SYSTEM 12-Volt, Standard Equipment CIGAR LIGHTER Includes Ash Cup ALTERNATOR Brush Type; 12 Volt 320 Amp. Capacity, Pad Mount
VEHICLE DATA RECORDER:	DATA RECORDER Includes Display
BATTERIES:	BATTERY BOX BATTERY SYSTEM {Paccar} Maintenance-Free, (2) 12-Volt 1400CCA NFPA BATTERY DISCONNECT SWITCH Lever Operated
STARTER	STARTING MOTOR 12 Volt
INDICATOR LAMPS:	INDICATOR, LOW COOLANT LEVEL INDICATOR, BATTERY WARNING Green BATTERY ON Indicator, Mounted on Left Side of Instrument Panel, To be Used with Battery Disconnect Switch
CIRCUIT BREAKERS:	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
FRONT GRILL:	GRILLE Stationary, Chrome / Polished GRILLE EMBER SCREEN Mounted to Grille and Cowl Tray to Keep Hot Embers out of Engine and HVAC Air Intake System
FRONT HOOD:	FRONT END Tilting, Fiberglass
STEREO:	AM/FM/WB with Speakers
CAB PAINT:	PAINT TYPE Base Coat/Clear Coat, Single Color: Viper Red

MASTER BATTERY DISCONNECT

Bidder Complies: YES ___ NO ___

A master battery disconnect switch shall be provided, mounted within easy reach of the driver when seated.

The switch shall be wired between the starter solenoid and the remainder of the electrical loads on the apparatus.

The batteries shall be connected directly to the starter solenoid.

The alternator shall be wired directly to the batteries through the ammeter shunt if one is provided, and not through the master load disconnect switch.

A green 'battery on' indicator light shall be provided in clear view of the driver.

AIR HORNS

Bidder Complies: YES ___ NO ___

There shall be a set of dual stutter-tone emergency vehicle air horns provided with the apparatus.

The horns shall be activated by the steering wheel horn switch in the cab.

The mounting location of the horns shall be on each side of the cab hood.

MAXIMUM TOP SPEED

Bidder Complies: YES ___ NO ___

The maximum top speed of this apparatus shall be determined using the following NFPA 1901 Chapter 4 criteria:

- If the combined water tank and foam agent tank capacities on the fire apparatus exceed 1,250 gallons, or the GVWR of the vehicle is over 50,000-lb, the maximum top speed of the apparatus shall not exceed 60 MPH.

The rear axle gear ratio will be selected to render a top speed as close as possible to the maximum speed in order to provide the maximum torque output possible at the optimal engine operating speed.

HUB AND LUG NUT COVERS

Bidder Complies: YES ___ NO ___

There shall be a set of chrome hub and lug nut covers provided and installed on each outer wheel of the chassis.

ON-SPOT AUTOMATIC TIRE CHAINS

Bidder Complies: YES ___ NO ___

There shall be one (1) set of On-Spot automatic tire chains provided and installed on the chassis rear drive axle.

The chains shall be activated by a covered switch located in the cab in easy reach of the driver.

MUD FLAPS

Bidder Complies: YES ___ NO ___

Mud flaps shall be installed behind the front and rear wheels of the apparatus.

ANTI-LOCK BRAKE SYSTEM

Bidder Complies: YES ____ NO ____

The vehicle shall be equipped with an anti-lock braking system. The ABS shall provide anti-lock braking control on both the front and rear wheels. It is to be a digitally controlled system that utilizes microprocessor technology to control the anti-lock braking system. Each wheel is to be monitored by the system. When any particular wheel begins to lockup, a signal is to be sent to the control unit. This control unit then shall reduce the braking of that wheel for a fraction of a second and then reapply the brake. This anti-lock brake system shall eliminate the lockup of any wheel thus helping to prevent the apparatus from skidding out of control.

VEHICLE ROLLOVER STABILITY

Bidder Complies: YES ____ NO ____

The apparatus chassis shall be equipped with an electronic stability control system and shall be certified to NFPA 1901 Rollover Stability requirements.

VEHICLE DATA RECORDER (VDR)

Bidder Complies: YES ____ NO ____

The apparatus shall be equipped with an on-board Vehicle Data Recorder (VDR).

The recorder shall be capable of recording the following data, in this order, at a minimum of once per second:

- Vehicle speed (MPH).
- Acceleration (from speedometer) (MPH/Sec)
- Deceleration (from speedometer) (MPH/Sec)
- Engine speed (RPM)
- Engine throttle position (% of throttle)
- ABS event (on/off)
- Seat occupied status (occupied yes/no by position)
- Seat belt status (buckled yes/no by position)
- Master optical warning device switch (on/off)
- Time (24 hour)
- Date (year/month/day)

The data shall be stored at the sampling rate in a 48-hour loop.

The system shall have sufficient memory to record 100 engine hours with of minute by minute summary data showing the data listed above.

When the memory capacity is reached, the system shall erase the oldest data first.

All data stored in the VDR shall be password protected, up loadable by the user to their computer and importable to into a data management software package that shall be available from the manufacturer.

The software shall be both "Windows" and "Apple" compatible.

The software shall produce the following formatted reports from the uploaded data:

- Daily log for the time the engine is running for a given date (minute by minute output of all values).
- Weekly summary (maximum values each hour for each day of the week)
- Monthly summary (maximum values each day for each day of the month)

SEATBELT WARNING SYSTEM

Bidder Complies: YES ____ NO ____

The apparatus shall be equipped with red seatbelts and a seatbelt warning system.

The system shall consist of an audible warning device that can be heard at all seating positions that are designed to be occupied while the vehicle is in motion as well as a visual display visible to the driver showing each seating position.

The warning system shall be activated anytime the parking brake is released or the automatic transmission is not in park

The system shall display seating position lights as follows:

- Green (buckled/senses occupant)
- Red (buckled/no occupant)
- Red (unbuckled/senses occupant)
- Dark (unbuckled/no occupant)

TIRE PRESSURE VISUAL INDICATOR

Bidder Complies: YES ____ NO ____

Valve stem mounted visual indicators shall be provided on each tire.

The indicators shall identify the following conditions:

- ALL GREEN - Tire is properly inflated.
- HALF GREEN/HALF RED - Tire is approximately 10% under inflated
- ALL RED - Tire is 20% or more under inflated.

ENGINE EXHAUST

Bidder Complies: YES ____ NO ____

The exhaust pipe from the engine shall not be modified from the design configuration that was provided from the chassis manufacturer to meet all EPA requirements.

Exhaust shall run horizontal and terminate on the right side of the apparatus.

Shielding shall be provided between the apparatus body and the exhaust pipe if necessary to deflect heat away from the body.

TOW HOOKS - FRONT & REAR

Bidder Complies: YES ____ NO ____

There shall be front and rear tow hooks provided on the finished apparatus.

The front tow hooks shall be provided as standard equipment from the chassis manufacturer.

The rear tow plates shall be fabricated from HD structural steel and shall have a minimum 1.25" eye. The plates shall be located below the rear step bumper.

CAB ACCESS STEPS

Bidder Complies: YES ____ NO ____

The cab access steps shall be provided by the chassis manufacturer. The steps shall be a two (2) step design fabricated from bright aluminum grip strut. The step assembly shall provide a positive gripping surface for stepping and shall not interfere with the ability to inspect the chassis batteries or re-fuel the apparatus.

SEAT BELT WEB LENGTH

Bidder Complies: YES ____ NO ____

The chassis seat belt web length as supplied by the commercial chassis manufacturer shall be compliant to NFPA 14.1.3.2 and 14.1.3.3.

SEAT BELT COLOR

Bidder Complies: YES ____ NO ____

All seating positions in the cab shall have extended length red seat belts to meet the recommendations of NFPA 1901.

OPEN COMPARTMENT DOOR INDICATOR LIGHT

Bidder Complies: YES ____ NO ____

An "open door" indicator light shall be provided inside the cab, in clear view of the driver, to warn of an open compartment door.

KUSSMAUL PUMP PLUS COMBO

Bidder Complies: YES ____ NO ____

There shall be a Kussmaul 1000 pump plus combo battery and air maintainer provided and installed on the finished apparatus.

The system shall maintain a charge in the apparatus batteries and chassis air system while connected to the station 110 volt shoreline through the Kussmaul Super Auto-Eject receptacle.

There shall be a NEMA 5-15 plug end provided with the apparatus on delivery for customer installation to the station shoreline.

COMMUNICATIONS PRE-WIRE

Bidder Complies: YES ____ NO ____

The following communications related items shall have a pre-wire provision supplied and installed:

- Coax Cable and Antenna Base
- Radio Power Source

The two-way communications equipment shall be supplied and installed by the Customer to ensure compatibility with existing equipment unless otherwise specified.

BODY ELECTRICAL

Bidder Complies: YES ____ NO ____

All 12-volt electrical equipment installed by the Manufacturer shall conform to modern automotive practices.

All wiring shall be high temperature crosslink type. Wiring shall be run in loom or conduit where exposed and have grommets where wire passes through sheet metal.

Wiring shall be color coded to identify function.

Exterior exposed wire connectors shall be positive locking, and environmentally sealed to withstand elements such as temperature extremes, moisture and automotive fluids.

Electrical wiring and equipment shall be installed utilizing the following guidelines:

- All holes made in the roof shall be caulked with silicon. Rope caulk is not acceptable. Large fender washers, liberally caulked, shall be used when fastening equipment to the underside of the cab roof.

- Any electrical component that is installed in an exposed area shall be mounted in a manner that shall not allow moisture to accumulate in it. Exposed area shall be defined as any location outside of the cab or body.
- Electrical components designed to be removed for maintenance shall not be fastened with nuts and bolts. Metal screws shall be used in mounting these devices. Also a coil of wire shall be provided behind the appliance to allow them to be pulled away from mounting area for inspection and service work.
- Corrosion preventative compound shall be applied to all terminal plugs located outside of the cab or body. All non-waterproof connections shall require this compound in the plug to prevent corrosion and for easy separation (of the plug).
- All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.
- All electrical terminals in exposed areas shall have silicon (1890) applied completely over the metal portion of the terminal. All emergency light switches shall be mounted on a separate panel installed in the cab. A master warning light switch and individual switches to be provided to allow pre-selection of emergency lights. The light switches shall be "rocker" type with an internal indicator light to show when switch is energized. All switches shall be properly identified and mounted in a removable panel for ease in servicing. Identification of the switches shall be done by either printing or etching on the switch panel. The switches and identification shall be illuminated.

All lights and reflectors, required to comply with Federal Motor Vehicle Safety Standard #108, shall be furnished.

Rear identification lights shall be recessed mounted for protection.

Lights and wiring mounted in the rear bulkheads shall be protected from damage by installing a false bulkhead inside the rear compartments.

An operational test shall be conducted to ensure that any equipment that is permanently attached to the electrical system is properly connected and in working order.

EXTERIOR LIGHTING

Bidder Complies: YES ____ NO ____

Exterior lighting shall meet or exceed Federal Customer of Transportation, Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements in effect at time of proposal.

Front headlights shall be halogen type and comply with all FMVSS requirements.

Five (5) LED clearance and marker lights shall be installed across the leading edge of the cab.

REAR FMVSS LIGHTING

Bidder Complies: YES ____ NO ____

There shall be three (3) LED lights installed as identification lights located at the center rear of the apparatus.

There shall be two (2) LED lights installed at the side rear of the apparatus used as clearance lights located at the rear of the apparatus.

There shall be two (2) LED lights installed on each side at rear of the apparatus.

There shall be four (4) red reflectors installed as applicable around the body.

STOP, TAIL AND TURN LIGHTS

Bidder Complies: YES ____ NO ____

All FMVSS or DOT lighting shall be supplied and installed on the apparatus.

These light modules shall be installed outboard of the rear compartment door on the lower portion of the apparatus body.

The fixture shall incorporate tail lights, stop lights, turn signals, four-way hazard flashers and back-up lights.

DOT marker and clearance lighting shall be installed in appropriate areas around the entire body.

The tail lights modules shall be as follows:

- Whelen - 6" x 4" SUPER LED - Red Tail/Stop Lights
- Whelen - 6" x 4" SUPER LED - Amber Arrow Turn Signals
- Whelen - 6" x 4" SUPER LED - Clear Back-up Lights

DOOR OPEN HAZARD LIGHT

Bidder Complies: YES ____ NO ____

There shall be a flashing red light located on the cab dash in clear view of the driver. This light shall be illuminated automatically whenever any passenger or equipment compartment door is open.

The light shall be marked "Do Not Move Apparatus When Light Is On".

LICENSE PLATE BRACKET

Bidder Complies: YES ____ NO ____

There shall be one (1) license plate mount provided and mounted at the rear of the apparatus.

There shall be a white LED light with deflector installed to illuminate the license plate.

BACKUP ALARM

Bidder Complies: YES ____ NO ____

One (1) backup alarm shall be provided and installed on the apparatus.

The 97db backup alarm shall automatically activate when the apparatus transmission is placed into reverse.

The backup alarm shall exceed all NFPA1901 and SAE J994 Type D requirements and testing.

WHELEN STATIONARY SCENE LIGHTS

Bidder Complies: YES ____ NO ____

There shall be six (6) Whelen LED 600 Series stationary 12-volt scene lights provided and installed on the finished apparatus.

The lights shall be mounted as follows:

- Two (2) Left Upper Tank
- Two (2) Right Upper Tank
- Two (2) Rear at Rear Rotators

The lights shall be activated from a switch located in the cab.

TELESCOPING SCENE LIGHTS

Bidder Complies: YES ____ NO ____

There shall be a pair of Whelen Pioneer telescoping scene lights provided and mounted on the apparatus.

The LED lights shall operate from the chassis 12 volt electrical system and shall have a rated output of 14,000 lumens.

The lights and push up poles shall be located on the apparatus pump module.

The lights shall be activated from a switch located on the light head.

WARNING LIGHTS

Bidder Complies: YES ____ NO ____

An all new Whelen warning light package is included and shall be installed on the finished apparatus.

All flashing lights shall be colored appropriately to match the Customer's lighting colors.

All lights shall be flush mounted on the cab and body with chrome trim bezels.

VISUAL WARNING ZONES

Bidder Complies: YES ____ NO ____

The apparatus shall be divided into warning zones as recommended by NFPA 1901-2009. The upper and lower zones shall correspond to the apparatus as follows:

- Zone "A": Front
- Zone "B": Right Side
- Zone "C": Rear
- Zone "D": Left Side

VISUAL WARNING MODES

Bidder Complies: YES ____ NO ____

The use of the apparatus warning lights shall be broken into two separate modes of use.

The permissible colors or combination of colors in each zone for each signaling mode (for fire Customers) shall be as follows:

Calling for Right-of-Way

- Red - Any Zone
- Yellow - Any Zone Except A
- White - Any Zone Except C

Blocking Right-of-Way

- Red - Any Zone
- Yellow - Any Zone
- White - Not Permitted

VISUAL WARNING MODE SWITCHING

Bidder Complies: YES ____ NO ____

The ability to switch between warning modes shall be provided on the apparatus.

There shall be a sensor that detects the position of the parking brake and changes modes as follows:

- Parking Brake Engaged: "Blocking Right of Way Mode"
- Parking Brake Not-Engaged: "Calling for Right of Way"

Switching between the two visual warning system modes shall require no action by the operator other than setting the chassis parking brake.

ZONE A UPPER WARNING LIGHTING

Bidder Complies: YES ___ NO ___

One (1) Whelen NFPA Justice SUPER LED light bar shall be mounted on the top of the cab roof.

The light bar shall be 56" in length with clear lenses and be populated on the front and sides with red flashing LED light modules.

ZONE A LOWER WARNING LIGHTING – FRONT

Bidder Complies: YES ___ NO ___

Two (2) Whelen 600 series, 6"x4", SUPER LED warning lights shall be provided and mounted on the apparatus.

A chrome bezel shall be provided around the lights

Two colored lights shall be mounted in the front grill area.

ZONE B UPPER WARNING LIGHTING – LEFT

Bidder Complies: YES ___ NO ___

This lighting in this zone shall be covered by the cab light bar and the rear LED beacons.

ZONE B LOWER WARNING LIGHTING – RIGHT

Bidder Complies: YES ___ NO ___

Two (2) Whelen 700 series, 7"x3", SUPER LED warning lights shall be provided and mounted on the apparatus.

A chrome bezel shall be provided around the lights.

One colored light shall be mounted as low and as far forward on the apparatus cab as possible and one colored light shall be mounted as low as possible in the rear wheel well area.

ZONE C UPPER WARNING LIGHTING – REAR

Bidder Complies: YES ___ NO ___

Two (2) Whelen L31 SUPER LED beacon warning lights shall be provided and mounted on the apparatus.

Two colored lights shall be mounted as high as possible on the rear of the apparatus body.

ZONE C LOWER WARNING LIGHTING – REAR

Bidder Complies: YES ___ NO ___

Two (2) Whelen 600 series, 6"x4", SUPER LED warning lights shall be provided and mounted on the apparatus.

A chrome bezel shall be provided around the lights.

Two colored lights shall be mounted as low as possible on the rear of each side of the apparatus body.

ZONE D UPPER WARNING LIGHTING – LEFT

Bidder Complies: YES ____ NO ____

This lighting in this zone shall be covered by the cab light bar and the rear LED beacons.

ZONE D LOWER WARNING LIGHTING – LEFT

Bidder Complies: YES ____ NO ____

Two (2) Whelen 700 series, 7"x3", SUPER LED warning lights shall be provided and mounted on the apparatus.

A chrome bezel shall be provided around the lights.

One colored light shall be mounted as low and as far forward on the apparatus cab as possible and one colored light shall be mounted as low as possible in the rear wheel well area.

ELECTRONIC SIREN

Bidder Complies: YES ____ NO ____

There shall be one (1) Whelen 295 electronic warning siren system shall be provided and installed in the finished apparatus.

The siren shall be capable of producing 100 watts of power and shall be flush mounted in the cab center console.

There shall be a siren speaker provided and installed in the front bumper area capable of producing 100 watts.

CUSTOM CENTER CONSOLE

Bidder Complies: YES ____ NO ____

There shall be a custom built center console fabricated from smooth aluminum plate.

The console shall contain the switch panel and shall be finished with a black Zolatone coating.

SWITCH PANEL FOR COMMERCIAL CHASSIS

Bidder Complies: YES ____ NO ____

A custom center switch control console shall be provided for all warning light and scene light with illuminated rocker switches.

A single Master Optical Warning Device switch shall be provided that will activate all Minimum Optical Warning Lighting through a single switch.

Individual switches shall not be provided for any Minimum Optical Warning Lighting to insure total compliance to the warning lighting requirements defined in NFPA 1901.

All lighting controlled by this switch shall not be subject to load management.

Any warning lights that are installed on the apparatus that are not required to meet the Minimum Optical Warning Lighting shall be subjected to load management and shall have individual switches to activate/de-activate the warning light.

All switches shall be clearly labeled as to their function.

CAB PERIMETER SCENE LIGHTS

Bidder Complies: YES ____ NO ____

There shall be a weatherproof LED light provided for each side of the cab.

Lighting shall be designed to provide illumination on areas under the driver and officer riding area exits, which shall be activated automatically when the exit doors are opened and by the same means as the body perimeter lights.

BODY PERIMETER GROUND LIGHTS

Bidder Complies: YES ____ NO ____

There shall be a total of six (6) LED weatherproof lights provided on the apparatus.

Two (2) lights shall be provided under the side body area, two (2) lights shall be provided under the pump panel running boards and two (2) lights shall be provided under the rear step bumper.

The perimeter scene lights shall be activated automatically when the parking brake is applied.

STEP LIGHTS

Bidder Complies: YES ____ NO ____

Step lights shall be provided as applicable on the apparatus to satisfy all NFPA 1901 requirements.

POWER INVERTER

Bidder Complies: YES ____ NO ____

There shall be a 3,000 watt power inverter provided and installed on the finished apparatus.

The inverter shall feature two (1) 110 VAC electrical outlets on the case as standard.

The inverter shall be mounted inside the apparatus body compartment.

EXTREME DUTY TANKER BODY - NO EXCEPTIONS

Bidder Complies: YES ____ NO ____

This high/low side apparatus body shall be built using a design that incorporates the sub-frame, tank cradle, compartments and outer body shell into one solid, integrated module.

This method of construction shall be utilized as it is a far superior design for overall strength, durability and longevity when compared to designs utilizing modular construction methods.

The sub-frame and tank cradle shall be constructed of 3" x 3" x ¼ " wall (6061 extruded) crush resistant aluminum tubing spaced on a maximum of 15" centers to allow for the proper amount of flexion without the possibility of forming cracks.

The body support system shall not utilize inferior strength angle and different metals that will lead to corrosion.

The inner and outer surfaces of the body shall be constructed of 3/16" thick, 5052 smooth aluminum plate to allow for the proper amount of flexion without the possibility of forming cracks.

Portions of the body that shall utilize aluminum diamond plate material for protective surfaces, non-skid surfaces or for cosmetic coverings shall be formed using .125" and .187" aluminum diamond plate material. This material will be added to enhance the appearance and for protection of certain body areas of the apparatus as described above and shall not be utilized as a structural component of the body.

All components of this apparatus utilizing aluminum shall be constructed of formed, welded, bolted or extruded products.

All corners and edges shall be finished to produce a smooth, symmetrical and rounded surface.

All aluminum diamond plate coverings shall be polished aluminum with a non-slip embossed design on all stepping surfaces.

The body shall be designed and manufactured with integrated aluminum channel reinforcement for rigidity.

All body parts and attachments shall be fastened with rust resistant fasteners to preclude loosening of bolts and screws and/or the cracking of welded joints.

The body shall be reinforced as necessary with additional material where hose reels, steps, mounting brackets, hose troughs, ladder brackets, etc. are attached.

The body shall be an all welded and bolted structure positioned in a jig device to ensure proper positioning and accuracy of welds during the fabrication process.

All components shall be constructed to allow for the removal of any component for service and/or repair.

The body and components thereof shall be permanently and securely attached to the frame of the chassis.

A corrosion, chemical, and water resistant coating shall be provided in areas where metals are in contact with the substructure.

All welds shall be cleaned of any weld residue prior to coating or when presenting a natural finish in order to present a clean appearance on all surfaces.

The exposed front outer sides of the body shall be covered with .125" aluminum diamond plate for increased durability and protection of painted surfaces.

All seams shall be sealed with body sealer to prevent seepage of moisture into the covered area.

EXTREME DUTY SUB-FRAME

Bidder Complies: YES ____ NO ____

The all-aluminum integrated body and sub-frame shall assure strength, durability and longevity to provide years of uninterrupted service.

The support system shall consist of individual assemblies fastened together utilizing a jig system for precision welding to insure sturdiness with proper dimensions and minimal distortion.

The Sub-Frame shall be constructed of 3"x3" x.25" 6061, crush resistant, extruded square aluminum tubing running parallel to the chassis frame rails and underneath the full length of the rear.

The 6061 grade of aluminum tubing allows for the minimal and proper level of flexion during operation to prevent the formation of cracks.

This Sub-Frame design is the heaviest duty in the industry and shall be welded on maximum of 15" centers.

The Sub-Frame shall be bolted to the chassis frame rails with grade 8, 5/8" U-Bolts incorporating shear plates and rubber (anti-vibration) isolation pads as necessary.

AGGRESSIVE WALKING SURFACES

Bidder Complies: YES ____ NO ____

All exterior surfaces designated as stepping, standing, and walking areas shall comply with the required average slip resistance of the current NFPA standards.

These areas shall incorporate grip-strut or embossed diamond tread aluminum.

BODY FINISH

Bidder Complies: YES ___ NO ___

The complete outer surface of the body shall be constructed of 3/16", 5052 alloy, flat aluminum plate which shall provide superior quality and strength that will allow for the proper amount of flexion without the possibility of forming cracks. This outer surface shall provide an even and durable appearance that shall be finish painted to match the color of the chassis cab.

COMPARTMENT FINISH

Bidder Complies: YES ___ NO ___

The inner surfaces (compartments) of the body shall be constructed of 3/16", 3003 alloy, smooth aluminum plate which shall provide superior quality and strength that will allow for the proper amount of flexion without the possibility of forming cracks. This inner compartment surfaces shall be finished with a light gray Zolatone spatter coating to provide an even appearance and durable surface.

RUB RAIL

Bidder Complies: YES ___ NO ___

A lower rub rail shall be bolted at the bottom of the body, using nylon spacers between the metal surfaces, along each side of the body.

This two-piece rail shall extend the entire length of the body except between the wheel well openings.

The rub rail shall have a satin finish for durability and to provide an even appearance.

This trim shall be bolted in place for easy removal and replacement if they ever become damaged.

24" REAR STEP BUMPER

Bidder Complies: YES ___ NO ___

At the lower trailing edge of the body, a polished aluminum diamond tread step bumper shall be installed.

This step shall be supported using a welded aluminum extrusion and shall extend approximately of 24" rearward from the body and 98" across the body.

FENDERETTES

Bidder Complies: YES ___ NO ___

Polished aluminum fender trim shall be installed around both rear wheel openings.

The fenderettes shall have a neoprene welt installed between the trim and the body.

This trim shall be bolted in place for easy removal and replacement if they ever become damaged.

WHEEL WELL LINER

Bidder Complies: YES ___ NO ___

Wheel well liners made of .080" 3003 aluminum, shall be installed to follow the inside radius of the wheel well opening to prevent excessive road debris from being distributed along the underside of the chassis and body.

MUD FLAPS

Bidder Complies: YES ___ NO ___

There shall be heavy duty rubber mud flaps installed directly behind the rear dual wheels of the chassis.

These mud flaps shall be of a commercial automotive quality and meet or exceed DOT requirements for dual wheel trucks.

There shall also be a set of factory mud flaps located behind the front axle.

FOLDING ACCESS STEPS

Bidder Complies: YES ____ NO ____

There shall be a total of three (3) NFPA approved folding steps provided and installed in the following locations:

- Three (3) Folding Steps on the Driver Side Front of Body

Each step shall have a static load rating of 500-lbs.

STORAGE COMPARTMENTS

Bidder Complies: YES ____ NO ____

The compartments shall be constructed of formed and welded 3/16", 5052 formed aluminum plate and shall allow for the proper amount of flexion without the possibility of forming cracks.

Each compartment shall be finished with a durable Zolatone spatter coating. If customer should request, compartment finish can be left with a natural finish or be sanded to a satin finish.

All compartments shall incorporate a sweep out design on the lowest horizontal surfaces.

All compartment dimensions are as accurate as possible at the time of the proposal, however, the actual sizes may vary as much as +/- 2" to accommodate certain chassis features and/or Customer requested options.

ROLL-UP COMPARTMENT DOORS - GEN IV

Bidder Complies: YES ____ NO ____

Generation IV roll-up compartment doors shall be manufactured and assembled in the United States by R-O-M Corporation.

Doors shall be front roll and have a satin aluminum finish.

There shall be an aluminum drip rail incorporated into the door track and installed above each compartment door with a non-abrasive seal (or) there shall be a brush seal.

Magnetic door-ajar system must be integrated in lift bar handle and the retainer block to signal open door. No mechanical switches interior to the compartment shall be used.

Every slat must have interlocking end shoes to prevent slat from moving side to side and binding the door.

Between each slat must be a co-extruded PVC inner seal to prevent metal-to-metal contact and to repel moisture. This inner seal is not visible to detract from appearance of door.

Slats are to have interlocking joints with a folding locking flange to provide security and prevent penetration by sharp objects.

Slats are to be double-wall extrusion 1.366" high by .315" thick. Exterior surface is to be flat and interior surface concave to prevent equipment from interfering with door.

Latch system to be full width Aluminum one-piece lift bar, two point exterior latch, operable by one hand. Two inch wide finger pull will be integrated into the bottom rail extrusion for easy one hand opening and closing.

Clip system that connects the curtain slats to the operator drum which allows easy tension adjustments without tools.

Each roll-up door shall have a four inch diameter counterbalance operator drum to assist in lifting the door and assist in the prevention of accidental closure.

The compartment lighting system shall be integrated into the roll-up door track. There shall be one full height compartment lights per door that will illuminate when the compartment door is opened.

Door tracks shall be a one-piece aluminum extrusion that has an attaching the flange and finishing flange incorporated into its design.

Drip rail will have specially designed seal that prevents the seal from scratching the door.

Bottom rail to have "V" shaped seal to prevent water and debris from entering the compartment and shall have a rubber seal installed at the outside edge to prevent moisture from entering the storage area.

Bottom rail extrusion must have smooth back to prevent loose equipment from jamming the door.

ROLL-UP DOOR FINISH

Bidder Complies: YES ____ NO ____

The roll-up doors on the apparatus shall have a satin aluminum exterior finish.

COMPARTMENT LOUVERS

Bidder Complies: YES ____ NO ____

Louvered panels shall be installed into each into compartment to aid in ventilation.

The louvers shall be turned in such a way to prevent unwanted water from entering the compartments.

COMPARTMENT FLOOR TILES

Bidder Complies: YES ____ NO ____

As standard equipment each compartment shall have black interlocking rubberized tiles (Turtle Tile) cut and installed in such a manner to provide a cushion to cargo and protect the floor of the compartment.

The tiles shall be readily removed, without the use of tools, for cleaning.

ROM COMPARTMENT LIGHTING

Bidder Complies: YES ____ NO ____

There shall be five (5) compartments equipped with LED compartment lights.

The lights shall be mounted vertically along the side door frame to extend the full height of the door.

There shall be one (1) light located in the side door track of each compartment.

Opening the compartment door shall automatically turn the compartment lighting on.

COMPARTMENT LIGHT SWITCHES

Bidder Complies: YES ____ NO ____

Each compartment door shall have a magnetic style reed indicator switch.

Each switch shall be hermetically sealed and rated to exceed 10,000,000 cycles.

The reed shall be potted in the contact housing with polyurethane and the housings shall be molded fire retardant ABS plastic.

The contact and magnetic housing shall snap-lock in the body material, one on the body and one in the door.

Each roll up door shall have an integral door open indicator magnet in the lift bar and if the bar is not properly closed, it shall activate the "Door Open" light in the cab.

The compartment lights shall function automatically when the door is opened.

LEFT COMPARTMENT - L1

Bidder Complies: YES ____ NO ____

Immediately behind the pump on the driver side of the body shall be a full height side compartment with the following approximate dimensions:

- 58" high X 57" wide

The approximate door opening shall be:

- 52" high X 54" wide

The compartment depth shall be as follows:

- 26" lower depth
- 13" upper depth

LEFT COMPARTMENT - L2

Bidder Complies: YES ____ NO ____

Immediately behind compartment L1 on the driver side of the body, over the rear wheel well, shall be a high-side compartment with the following approximate dimensions:

- 24" high X 57" wide

The approximate door opening shall be:

- 20" high X 48" wide

The compartment depth shall be as follows:

- 13" deep

LEFT COMPARTMENT - L3

Bidder Complies: YES ____ NO ____

Immediately behind compartment L2 on the driver side of the body, behind the rear wheel well, shall be a full height compartment with the following approximate dimensions:

- 58" high X 34" wide

The approximate door opening shall be:

- 52" high X 31" wide

The compartment depth shall be as follows:

- 26" lower depth
- 13" upper depth

RIGHT COMPARTMENT - R1

Bidder Complies: YES ____ NO ____

Immediately behind the pump on the officer side of the body shall be a low-side compartment with the following approximate dimensions:

- 30" high X 57" wide

The approximate door opening shall be:

- 24" high X 54" wide

The compartment depth shall be as follows:

- 26" deep

RIGHT COMPARTMENT - R2

Bidder Complies: YES ____ NO ____

Immediately behind the rear wheels on the officer side of the body shall be a low-side compartment with the following approximate dimensions:

- 30" high X 34" wide

The approximate door opening shall be:

- 24" high X 31" wide

The compartment depth shall be as follows:

- 26" lower depth

BREATHING AIR CYLINDER STORAGE

Bidder Complies: YES ____ NO ____

There shall be a total of four (4) storage compartments located in the rear wheel well area of the apparatus body to store breathing air cylinders.

Each compartment shall be constructed to hold one (1) cylinder in a polypropylene tube with a cast aluminum door, rubber seal and latch system.

The tube shall contain a drain hole to shed unwanted moisture that may accumulate from condensation.

HALE 1,500 GPM TOP MOUNT PUMP

Bidder Complies: YES NO

The new fire pump shall be manufactured by Hale Products and shall comply with all applicable requirements of the latest edition of NFPA 1901 "Standard for Automotive Fire Apparatus" published by the National Fire Protection Association.

The top mounted pump compartment shall be custom fabricated to fit the exact chassis and body configuration for this apparatus.

The pump and pump compartment shall be mounted independently from the chassis and body.

PUMP PERFORMANCE – 1,500 U.S. GPM.

Bidder Complies: YES NO

The pump shall be a Hale DSD single stage centrifugal fire rated pump with a rated capacity of 1,500 United States gallons per minute from draft through either or both of the side master suction connections. The pump shall be mounted inside a custom fabricated compartment between the cab and body and shall deliver the percentage of rated discharge pressures as indicated below:

- 100 percent of rated capacity at 150 pounds net pressure
- 70 percent of rated capacity at 200 pounds net pressure
- 50 percent of rated capacity at 250 pounds net pressure

PUMP WARRANTY

Bidder Complies: YES NO

The Hale pump shall have a 5 year warranty against defective materials and workmanship in the manufacturing process.

NFPA COMPLIANT PUMP

Bidder Complies: YES NO

The fire pump and related plumbing on the specified apparatus shall be installed in accordance with applicable NFPA 1901 guidelines at the time the contract was placed.

FIRE PUMP CONSTRUCTION

Bidder Complies: YES NO

The pump shall be driven by the chassis drive line from the chassis transmission through a mid-ship pump gear case and shall be free from objectionable pulsation and vibration under all normal operating conditions.

The entire pump shall be hydrostatically tested to a minimum pressure of 600-PSI.

The pump body and related parts shall be of fine grain alloy cast iron with a minimum tensile strength of 30,000 PSI.

All moving parts in contact with water shall be of high quality bronze or stainless steel. Pumps utilizing castings made of lower tensile strength cast iron are not acceptable.

The pump body shall be horizontally split, on a single plane in two sections, for easy removal of entire impeller assembly including wear rings and bearings from beneath the pump without disturbing piping or the mounting of the pump in chassis.

The pump shaft shall be rigidly supported by bearings for minimum deflection.

The bearings shall be heavy-duty, deep groove style bearings in the gearbox and they shall be splash lubricated.

The pump impeller shall be of hard, fine grain bronze with a mixed flow design; accurately machined, hand ground, and individually balanced.

The vanes of the impeller intake eyes shall be hand ground and polished to a sharp edge, and shall be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.

The pump shaft shall be fabricated of heat-treated, electric furnace, corrosion resistant stainless steel, and shall be super finished under the shaft seal.

The pump shaft must be sealed with double lip oil seal to keep road dirt and water out of gearbox.

PUMP GEARBOX

Bidder Complies: YES ____ NO ____

The gear box shall be completely manufactured and tested at the pump manufacturer's facility.

The pump gearbox shall be of sufficient size to withstand up to 16,000 ft. lbs. of torque from the engine in both road and pump operating conditions.

The gearbox shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

The gearbox shall withstand the full torque of the engine in pump operating conditions.

All gears (drive and pump) shall be of highest quality heat treated steel.

Bores shall be ground to size and the gear teeth shall be crown shaven, and hardened for smooth, quiet running, and a higher load carrying capability.

An accurately cut spur design shall be provided to eliminate all possible end thrust.

The pump gear ratio shall be selected by the Manufacturer to give the maximum performance with the engine and transmission selected.

PUMP COMPARTMENT CONSTRUCTION

Bidder Complies: YES ____ NO ____

The exterior panels of the pump compartment shall be constructed using only 304 marine grade stainless steel fabricated sheeting with a #4 annealed and polished finish on all exterior surfaces.

The pump compartment shall not require any finish painting.

The framework of the pump compartment shall be constructed of heavy wall aluminum tubing and shall be integrated design to tie together all components of the pump compartment.

TOP MOUNT PUMP MODULE

Bidder Complies: YES ____ NO ____

A pump operator's top mounted control panel shall be provided.

It shall be assembled and mounted independently from both the chassis and the body to allow sufficient flexing and prevent component fatigue.

A top mounted operator's control surface, the width of the module shall be provided at the top side of the module.

The module shall be constructed using aluminum square tubing.

The welded ends of the tubing shall be chamfered prior to welding and shall be ground smooth.

MECHANICAL SEAL

Bidder Complies: YES ____ NO ____

The pump shaft shall be equipped with a single mechanical type seal on the suction (inboard) side of the pump.

The mechanical seal shall be a minimum of two-inches in diameter and shall be spring loaded, maintenance free and self-adjusting.

The mechanical seal shall be constructed of a carbon sealing ring, stainless steel coil spring, Viton rubber cup, and a tungsten carbide seat with Teflon backup seal.

TOTAL PRESSURE GOVERNOR SYSTEM (TPG) Bidder Complies: YES ____ NO ____

Class 1 Total Pressure Governor (TPG) and monitoring display kit shall be installed.

The kit shall include the control module, pressure sensor(s), and cables.

The following continuous displays shall be provided:

- CHECK ENGINE and STOP ENGINE warning lights
- Engine RPM
- Engine OIL PRESSURE
- Engine TEMPERATURE
- BATTERY VOLTAGE
- PSI / RPM setting; shown on a dot matrix message display
- PSI and RPM mode LEDs
- THROTTLE READY LED

A dot-matrix message display shall show diagnostic and warning messages as they occur.

It shall show monitored apparatus information, stored data, and program options when selected by the operator.

The program shall store the accumulated operating hours for the pump and engine, previous incident hours, and current incident hours in a non-volatile memory.

Stored elapsed hours shall be displayed at the push of a button.

The governor shall operate in two control modes, pressure and RPM.

No discharge pressure or engine RPM variation shall occur when switching between modes.

Push-button controls shall adjust pressure or RPM settings by using the two UP/DOWN arrow keys.

A throttle ready LED shall light when the interlock signal is recognized.

The governor shall start in pressure mode and set the engine RPM to idle.

In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator.

In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase.

Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

INTAKE RELIEF VALVE

Bidder Complies: YES ____ NO ____

An intake relief/dump valve shall be provided on the intake side of the pump to relieve excess incoming pressure.

The system shall be designed to self-restore to a non-relieving position when excessive pressure is no longer present.

The pressure adjustment range shall be from 50 psi to 200 psi.

The relief system shall be adjustable with a common type box end wrench.

The pressure setting shall be preset by the Manufacturer at a 125-PSI position.

The surplus water shall discharge to the atmosphere at a location away from the pump operator's position.

AIR PUMP SHIFT

Bidder Complies: YES ____ NO ____

Pump shift engagement shall be made by activation of a cab mounted switch control.

Two (2) indicator lights shall be provided adjacent to the pump shift inside the cab. One (1) green light shall indicate the pump shift has been completed and be labeled "pump engaged". The second green light shall indicate when the pump has been engaged, and that the chassis transmission is in pump gear. This indicator light shall be labeled "OK to pump".

Another green indicator light shall be installed adjacent to the hand throttle on the pump panel and indicate either the pump is engaged and the road transmission is in pump gear, or the road transmission is in neutral and the pump is not engaged. This indicator light shall be labeled "Warning: Do not open throttle unless light is on".

TRANSMISSION LOCK-UP

Bidder Complies: YES ____ NO ____

The direct gear transmission lock-up for the fire pump operation shall engage automatically when the pump shift control, in the cab, is activated.

PUMP PRIMING SYSTEM

Bidder Complies: YES ____ NO ____

A Hale PVG 12 volt pump priming system shall be provided and installed on the fire pump.

The priming pump shall be an electrically driven, positive displacement vane type conforming to requirements outlined in NFPA 1901.

A single priming control shall both open the priming valve and start the priming motor.

The primer shall be capable of taking suction and discharging water with a lift of 10 feet in not more than 30 seconds with the pump dry and using 20 feet of appropriately sized hard suction hose with strainer.

The system shall develop a vacuum of 22 inches at an altitude of up to 2,000 feet above sea level.

The vacuum test shall be performed with a capped 20 foot length of hard suction hose, developing a vacuum of at least 20 inches with a drop not exceeding 10 inches in 5 minutes.

The priming system shall be "oil less" type and shall require no lubrication.

PUMP CERTIFICATION TESTING

Bidder Complies: YES ____ NO ____

The fire pump, as it is installed on the apparatus, shall receive a full certification test prior to final delivery. Documentation of the test results shall be provided with the apparatus in the delivery packet.

PUMP CERTIFICATION PLATE

Bidder Complies: YES ____ NO ____

A permanently affixed plate shall be installed at the pump operator's position that will provide the rated discharge and pressures together with speed of the engine as determined by the certification test.

MANIFOLD DRAIN VALVE

Bidder Complies: YES ____ NO ____

The pump shall have a manifold type drain valve assembly consisting of a stainless steel plunger in a bronze body with multiple ports.

The control for the valve shall be on the left side along the bottom of the panel and above the side running board.

BLEEDER/DRAIN VALVES - LIFT STYLE

Bidder Complies: YES ____ NO ____

A 3/4" quarter turn lift-style bleeder/drain ball valve shall be provided for each discharge and auxiliary intake.

A hose shall be connected to the valve that will direct water below the apparatus and away from the immediate pump operator's location.

LEFT AND RIGHT SIDE MASTER INTAKE

Bidder Complies: YES ____ NO ____

A 6.0" master intake shall be provided on both sides of the apparatus.

The intakes shall have a 6.0" male NST connection.

The intake shall have a removable screen constructed of a material that will provide cathodic protection and prevent the entry of large objects into the pump.

LEFT AND RIGHT SIDE MASTER INTAKE CAPS

Bidder Complies: YES ___ NO ___

A 6.0" female NST long handle chrome cap shall be provided on both side master intakes.

3" TANK TO PUMP

Bidder Complies: YES ___ NO ___

A 3.0" tank to pump line shall be provided between the tank and the pump.

The tank valve shall be a Hale stainless steel full flow 3.0" valve with control mounted on the pump operator's panel.

The piping and valve arrangement shall be capable of flowing a minimum of 500 U.S. gallons per minute to the pump from the booster tank.

This flow shall be maintained for 80% of the certified tank capacity with the apparatus positioned on level ground.

Connection from the valve to the tank shall be made by using a non-collapsible flexible rubber hose.

2" TANK RECIRCULATION VALVE

Bidder Complies: YES ___ NO ___

There shall be a 2.0" tank recirculation valve and plumbing provided and installed.

The controls shall be actuated by a push/pull type lever control.

This control for the Hale stainless steel valve shall be located on the pump operator's panel.

PLUMBING AND PLUMBING WARRANTY

Bidder Complies: YES ___ NO ___

All suction, discharge and auxiliary plumbing installed before or after the cast pump manifolds shall be constructed of stainless steel pipe, brass or stainless steel fittings and high pressure reinforced flex plumbing.

The stainless steel, brass and flex plumbing shall be warranted to be free from corrosion perforation for a period of 5 years following the delivery of the apparatus.

HALE BALL VALVE WARRANTY

Bidder Complies: YES ___ NO ___

The Hale stainless steel (SST) ball valves shall be covered under warranty for a period of ten (10) years against defects in design and the manufacturing process.

The warranty shall be offered by Class 1 (Hale Products).

2.5" LEFT SIDE AUXILIARY INTAKE

Bidder Complies: YES ___ NO ___

One (1) 2.5" auxiliary intake shall be provided on the left side of the pump compartment.

The Hale stainless steel valve shall be controlled from the pump panel.

A 2.5" chrome plated female National Standard Thread swivel connection with screen shall be provided on the left side 2.5" intake with chrome plated male NST intake plug and chrome plated chain.

LEFT 2.5" DISCHARGES

Bidder Complies: YES ____ NO ____

Two (2) 2.5" discharges shall be provided on the left side of the apparatus.

The Hale stainless steel valves shall be manually controlled from the pump operator's position.

A 2.5" chrome plated NST discharge cap and discharge elbow shall be provided on the right side 2.5" discharges with a chrome plated chain.

RIGHT 2.5" DISCHARGES

Bidder Complies: YES ____ NO ____

Two (2) 2.5" discharges shall be provided on the right side of the apparatus.

The Hale stainless steel valves shall be manually controlled from the pump operator's position.

A 2.5" chrome plated NST discharge cap and discharge elbow shall be provided on the right side 2.5" discharges with a chrome plated chain.

2.5" SIDE ADAPTERS

Bidder Complies: YES ____ NO ____

All 2.5" side discharges shall have chrome 2.5" NSTF x 1.5" NSTM adapter provided and installed at time of delivery.

DECK GUN RISER

Bidder Complies: YES ____ NO ____

A 3.00" deluge riser shall be installed above the pump in such a manner that a monitor can be mounted and used effectively. Piping shall be installed securely so no movement develops when the line is charged.

The riser shall be controlled at the pump operator's panel and shall terminate with a 3.0" NPT fitting for future installation of a deck gun.

1.0" BOOSTER DISCHARGE

Bidder Complies: YES ____ NO ____

There shall be a 1.0" booster discharge provided on the finished apparatus.

The discharge shall be plumbed with a 1.5" Hale SST valve.

1.5" SPEEDLAY PRE-CONNECTS

Bidder Complies: YES ____ NO ____

There shall be two (2) 1.5" pre-connected speedlay beds provided and located directly behind the apparatus cab.

The speedlay compartment shall be constructed of polished diamond tread aluminum plate with a satin (DA) finish applied to the inside surfaces.

Each speedlay shall be plumbed with high pressure hose from the discharge manifold to a Hale stainless steel ball valve.

Two (2) separate discharge valves shall be utilized to control the 1.5" speedlay hose beds and shall be manually controlled from the pump operator's position.

There shall be two (2) swivel elbows with 1.5" male NST hose thread connections provided in the speedlay hose beds. The swivels shall be mounted in a position to prevent hose "pinching" at the hose thread connection.

SPEEDLAY COVER

Bidder Complies: YES ____ NO ____

There shall be a hinged diamond tread cover over the speedlay pre-connects.

SPEEDLAY CAPACITY - 150 FEET

Bidder Complies: YES ____ NO ____

The 1.5" speedlays shall have the capacity to hold 150 feet of 1.75" fire hose and nozzle.

PLUMBING DRAINS

Bidder Complies: YES ____ NO ____

Drains shall be located each side of the module.

The drains shall have lift-style controls that actuate a quarter turn valve.

SIDE PANELS -- STAINLESS STEEL

Bidder Complies: YES ____ NO ____

The pump compartment shall have left and right side pump panels installed.

The panels shall be constructed of brushed stainless steel sheeting.

The side pump panels shall be removable for routine service and repair.

PANEL LABELS - INNOVATIVE CONTROLS

Bidder Complies: YES ____ NO ____

All pump controls, inlets and outlets shall have proper labels applied to identify its function.

These labels shall be designed and manufactured to withstand the specified apparatus service environment.

The verbiage label bezel assemblies shall include a chrome plated panel mount bezel with durable easy to read UV resistant polycarbonate inserts featuring the specified verbiage and color coding.

The UV resistant polycarbonate verbiage and color inserts shall be sub-surface screen printed to eliminate the possibility of wear and protect the inks from fading.

PUMP PANEL LIGHTS AND SHIELD

Bidder Complies: YES ____ NO ____

One (1) stainless steel light shield assembly shall be provided along the full width of the operator's panel.

There shall be two (2) lights provided inside the pump compartment area.

A separate switch on the operator's panel shall be provided to activate the lights.

RUNNING BOARDS

Bidder Complies: YES ____ NO ____

Running boards shall be installed on each side of the pump compartment module.

The running boards shall be constructed of 1/8" embossed fire apparatus bright aluminum tread plate.

Each shall extend the full width of the top mounted module.

The aluminum tread plate shall meet recommendations for slip resistant surfaces and each running board shall be attached to a frame mounted outrigger support structure.

Each running board shall have a minimum 2" downward bend on the front and side faces for superior strength.

PUMP GAUGES

Bidder Complies: YES ____ NO ____

All gauges shall be manufactured by Hale Products (Class 1).

They shall be liquid filled to keep the dial from pulsating and also to prevent condensation from forming inside the gauges.

The master suction (inlet) gauge provided shall be from -30 to 400 PSI.

Each individual discharge gauge provided shall be from 0 to 400 PSI.

Two (2) 4.5" master gauges (Suction & Pressure).

One (1) 2.5" discharge gauge for each 1.5" or larger discharge.

WATER LEVEL GAUGE

Bidder Complies: YES ____ NO ____

A Class 1 (Hale) ITL-40 electronic water level gauge shall be provided on the operator's panel that registers water level by means of graduated LED lights.

The lights shall be a durable, ultra-bright LED design that registers water level in the on-board apparatus booster tank.

To further alert the pump operator, the lights shall flash sequentially when the water tank is empty.

The level measurement shall be based on the sensing of head pressure of the fluid in the tank.

The display shall be constructed of a solid plastic material with a chrome plated die cast bezel to reduce vibrations that can cause broken wires and loose electronic components. The encapsulated design shall provide complete protection from water and environmental elements.

An industrial pressure transducer shall be mounted to the outside of the tank.

The field calibratable display measures head pressure to accurately show the tank level.

ENGINE COOLER

Bidder Complies: YES ____ NO ____

An auxiliary heat exchanger shall be provided for added engine cooling during pump operation.

The auxiliary engine cooler shall be mounted directly behind the radiator tank and use water from the fire pump during pumping operation.

The radiator plumbing shall include a drain cock for coolant evacuation.

The control valve for the heat exchanger shall be located on the pump operator's panel and shall be a Class 1 quarter turn ball valve with chrome plated handle with an "Engine Cooler" identification tag recessed into the face of the handle.

PUMP COOLER

Bidder Complies: YES ____ NO ____

The pump shall have a bypass cooler line installed from the discharge side of the pump to the water tank to cool the pump during sustained periods of operation when water is not being discharged.

The pump cooler control valve, located on the pump operator's panel, shall be a Class 1 quarter turn ball valve with chrome plated handle with "Pump Cooler" identification tag recessed into the face of the handle.

BOOSTER REEL

Bidder Complies: YES ____ NO ____

There shall be a Hannay electric rewind booster reel provided and installed in the rear of the apparatus between the frame rails with a hinged Diamond Plate Door covering it.

The booster reel shall be plumbed with a 1.5" Hale stainless steel valve that shall be controlled at the pump operator's panel.

The booster reel shall be equipped with 100' of 1.0" red booster hose.

The reel shall be designed to deploy from the rear of the apparatus and there shall be roller guides provided to avoid rubbing hose on the apparatus body.

There shall be a push-button rewind switch located on the rear of the apparatus.

TEST PORTS

Bidder Complies: YES ____ NO ____

Two (2) chrome test plugs shall be mounted on the pump operator's panel for testing of vacuum and pressure during the performance test.

"T" STYLE BOOSTER TANK - 1,500 GALLONS

Bidder Complies: YES ____ NO ____

The "T" style wet-side booster tank shall have a capacity of 1,500 US gallons of water and shall be constructed to meet NFPA 1901 recommendation.

The tank shall be designed and fabricated to meet the exact specifications of this apparatus and shall be certified for the required capacity, hydro-tested and/or electronically tested, and will include a limited lifetime warranty.

The tank shall be constructed of virgin material that is a stress-relieved, UV stabilized, high-impact copolymer polypropylene that is black in color.

Material thickness, joint design, welding processes, baffles, and support design shall be determined by APR engineering based on DVS and/or AWS standards and shall be designed to meeting and/or exceeding NFPA 1901 standards as well as proprietary standards developed by APR.

The tank shall be equipped with a combination pipe vent/overflow and manual fill tower with lid. The tower shall be located on the front portion of the tank and shall have a removable copolymer screen.

The tank covers shall incorporate a minimum of (2) lifting lugs consisting of 2" copolymer dowels. The lifting lugs are intended only for use when the tank is empty. The dowels shall be drilled and tapped to accommodate lifting eyes with a minimum safety factor of 3 to 1. The lifting dowels shall be welded to the internal partitions and extend through the covers to assist in minimizing cover flex during normal operation.

Unless otherwise specified there shall be one standard sump per tank. The tank shall have a suction fitting of the internal draw type and will incorporate a dip tube (when required), and an anti-swirl plate positioned to minimize the formation of vortices. The sump shall have a drain on the bottom if applicable.

Direct fill and tank refill fittings shall be rated at 150 PSI and are not to be used as steps or supports of any type.

The tank baffling system shall be designed to allow for customer specified flow rates and prevention of severe liquid load shifting during transport. All baffles are designed to meet and/or exceed NFPA 1901 standards.

Foam cells (if applicable) shall be fabricated according to customer specifications for capacity, location and fitting requirements. Foam cells shall include a manual fill tower hinged lid with gasket, closure latch, pressure/vacuum valve and removable screen. Information on the foam cell shall be detailed in other sections of the proposal if applicable.

Additional tank equipment (if applicable) shall include storage tunnels, storage compartments, hose trays, hose beds, hose reel mounting platforms, ladder mounting platforms and miscellaneous housings that shall all be built to meet the exact specifications of this apparatus. Information on additional tank equipment shall be detailed in other sections of the proposal if applicable.

TANK COLOR

Bidder Complies: YES NO

The visible portions of the tank shall be finish painted red to match the body paint code.

TOP MOUNTED HOSE BED

Bidder Complies: YES NO

A hose bed 14" deep X 144" long X 64" wide shall be located on the top of the apparatus tank.

Access shall be gained from the rear of the apparatus.

This hose bed shall have a capacity to carry a full complement of supply hose.

HOSE BED FLOORING

Bidder Complies: YES NO

The hose bed shall be an integral part of the tank and shall be constructed out of contoured polypropylene.

The contours of the hose bed shall allow air flow around the bottom of the hose load.

HOSE BED COVER

Bidder Complies: YES NO

The hose bed shall have a 22 oz heavy-duty vinyl cover.

This cover shall have bungee cords with aluminum hooks across the front and down each side.

A flap shall be provided at the rear and held in place with (2) bungee hooks.

HOSE BED ACCESS LADDER

Bidder Complies: YES ___ NO ___

There shall be a rear mounted NFPA approved hose bed access ladder provided and installed to access the top portion of the apparatus hose bed.

The ladder shall be permanently attached to the apparatus body and tank.

The non-slip ladder shall have a static load rating of at least 500 pounds and meet all NFPA recommendations.

TANK ENGINEERING

Bidder Complies: YES ___ NO ___

There shall be a final approval drawing from the tank engineer prior to construction.

LIFETIME TANK WARRANTY

Bidder Complies: YES ___ NO ___

The tank shall carry a lifetime warranty against defect for as long as you own the apparatus.

The warranty is offered by the tank manufacturer (APR).

NEWTON 10" SWIVEL DUMP - STAINLESS

Bidder Complies: YES ___ NO ___

The apparatus shall be equipped with a rear 10" Newton swivel dump valve that enable water shuttle and dump operations to take place from the left, right or rear of the body.

The dump valve assembly shall include a manual 36" telescopic extension chute and have an electric operated valve with controls located on top of the valve assembly.

The entire assembly shall be stainless steel and retain a natural stainless brushed finish.

REAR FILL CONNECTIONS - SST VALVE

Bidder Complies: YES ___ NO ___

There shall be two (2) 2.5" direct fills located at the right rear of the apparatus body.

The connections shall internally fill water directly into the apparatus booster tank from any pressurized water source.

The connections shall utilize a 2.5" Hale SST valve that shall be exposed on the exterior of the apparatus body.

The valve shall be properly supported and labeled for identification purposes.

The valve shall remain its natural finish for even appearance and durability.

DUMP TANK STORAGE

Bidder Complies: YES ___ NO ___

There shall be a slide-in dump tank storage rack provided and installed on the finished apparatus.

The rack shall be located on the passenger side of the apparatus above the low-side body compartment.

HARD SUCTION STORAGE TRAYS

Bidder Complies: YES ____ NO ____

There shall be two (2) hard suction storage trays provided and installed on the finished apparatus.

The trays shall be capable of holding up to two (2) 10' sections of hard suction hose.

The trays shall be mounted through the tank and there shall be a hinged door at the rear of this compartment to retain the hoses.

LADDER STORAGE

Bidder Complies: YES ____ NO ____

There shall be a set of cast aluminum ladder brackets mounted on the officer side of the apparatus above the dump tank storage rack.

The brackets shall hold (1) 24 foot extension ladder and (1) 14 foot roof ladder.

PIKE POLE STORAGE

Bidder Complies: YES ____ NO ____

There shall be two (2) pike pole storage tube provided and installed inside the rear hard suction compartment.

The tube shall be capable on hold up to a 10' pike pole.

BODY PAINT - BASE/CLEAR COAT

Bidder Complies: YES ____ NO ____

After the apparatus body has been fully assembled and all mounting holes, etc. have been punched, machined, or drilled, the apparatus shall be fully disassembled for the paint process.

The apparatus body shall not be mounted on the chassis during the paint process.

All seams or flanges on the apparatus body shall be caulked or properly sealed to prevent moisture accumulation in flanged areas.

PAINT PROCESS

Bidder Complies: YES ____ NO ____

The apparatus body paint procedure shall consist of an eight (8) step finishing process as follows:

1. Manual Surface Preparation: All exposed metal surfaces on the apparatus exterior shall be thoroughly cleaned. All imperfections on the exterior metal surface shall be removed or filled prior to the priming process. All exposed metal shall be thoroughly abraded using a dual orbital air power sander.
2. Cleaning and Treatment: All surfaces shall be chemically cleaned per manufacturer specification to ensure proper adhesion.
3. Self-etching Primer Application: Acid etching primer shall be applied to the bare metal per manufacturer specification.
4. Primer/Surfacer Application: Sherwin-Williams urethane primer/surfacer shall be applied to the acid etching primer.
5. Dual Orbital Sanding: The primer/surfacer shall be thoroughly sanded to a superior smooth surface.

6. Cleaning: After sanding in step #5, all surfaces shall be chemically cleaned again per manufacturer specifications. The surface to be painted shall be clean of all oil, grease, and dirt to ensure proper adhesion.

7. Primer Sealer Application: Sherwin-Williams urethane primer/sealer shall be applied over the thoroughly sanded and cleaned primer/surfacer as per bulletin DFT-054.

8. Topcoat Application: Two coats of Sherwin-Williams basecoat color two component polyurethane paint shall be applied to the primer sealer. The base color shall be followed by two coats of Sherwin-Williams two component polyurethane clearcoat finish.

PAINT - ENVIRONMENTAL IMPACT

Bidder Complies: YES NO

The Manufacturer shall meet or exceeds all current state and federal regulations concerning automotive paint operations.

Pollution control shall include measures to protect the atmosphere, water and soil.

Controls shall include the following conditions:

- Topcoats and primers must be chrome and lead free.
- Metal treatment chemicals must be chrome free. The wastewater generated in the metal treatment process must be treated to remove any other heavy metals.
- Particulate emissions from painting operations must be collected by a dry filter or water wash process.
- Solvents used in clean-up operations must be collected, sent off-site for distillation and returned for reuse.

Additionally, the finished apparatus shall not be manufactured with or contain products that have ozone depleting substances.

Contractor shall, upon demand, present evidence that his manufacturing facility meets the above conditions and that it is in compliance with his State EPA rules and regulations.

PAINT CHASSIS FRAME ASSEMBLY

Bidder Complies: YES NO

The chassis frame assembly shall be painted black by the chassis manufacturer. It shall remain the commercial grade finish as provided.

COMPARTMENT INTERIOR PAINT

Bidder Complies: YES NO

The interior of all equipment compartments shall be painted with gray Zolatone spatter type paint.

REFLECTIVE BAND

Bidder Complies: YES NO

A 6.00" reflective band shall be provided along the sides of the chassis cab and apparatus body.

CHEVRON STRIPING, REAR

Bidder Complies: YES NO

There shall be alternating chevron striping located on the rear-facing vertical surface of the apparatus.

The rear surface excluding the rear compartment door shall be covered. The colors shall be red and fluorescent yellow green. Each stripe shall be 6.00" in width.

This shall meet the requirements of NFPA 1901, 2009 edition, which states that 50% of the rear surface shall be covered with chevron striping.

REFLECTIVE STRIPE, CAB DOORS

Bidder Complies: YES NO

A reflective stripe shall be provided on the interior of each cab door.

This stripe shall be a minimum of 96.00 square inches and shall meet the NFPA 1901 requirement.

LETTERING AND LOGO

Bidder Complies: YES NO

The lettering shall be totally encapsulated between a layer of clear protective UV resistant vinyl.

Up to sixty (60) vinyl letters per side, 3.00" high with outline and shade shall be provided.

Customer logo on each front door shall be provided as standard.

GRAPHICS APPROVAL

Bidder Complies: YES NO

The Customer shall approve the final graphics layout and design prior to application on the finished apparatus.

EQUIPMENT

Bidder Complies: YES NO

The following equipment items shall be provided with the finished apparatus:

- Duo-Safety 24' Extension Ladder
- Duo-Safety 14' Roof Ladder
- (2) 6.0" NST RL Hard Suction Hoses - Clear PVC Construction
- 6.0" NSTF Barrel Strainer
- (2) Streamlight Fire Vulcan - (2) Mounted in L1
- TFT Crossfire Deck Gun with Quad Stacked Tips and Truck Mounting Base
- 6' Fire Hooks Unlimited Pike Pole - Mounts Inside Hard Suction Hoses
- 8' Fire Hooks Unlimited Pike Pole - Mounts Inside Hard Suction Hoses
- (2) Fire Extinguishers (1)ABC & (1)CO2 with mounting brackets
- (4) SCBA Brackets mounted in compartments – location TBD

FIRE COM INTERCOM SYSTEM

Bidder Complies: YES NO

There shall be a Fire Com intercom system provided and installed on the apparatus as follows:

- One (1) intercom w/ radio interface with wiring and (1) wireless headset for the driver - Capable of operating at the pump panel and around the truck.

MISCELLANEOUS FASTNERS

Bidder Complies: YES NO

There shall be a bag of miscellaneous sizes of screws, bolts, nuts and bolts that were used in the manufacturing of the apparatus.

PAYMENT

Bidder Complies: YES ____ NO ____

There are no pre-payment requirements for this project and no performance bonds shall be required.

The finished apparatus shall be paid for in full at time of final delivery and acceptance by the Customer.

CUSTOMER'S RESPONSIBILITY

Bidder Complies: YES ____ NO ____

The Customer shall be responsible for any NFPA recommended equipment not specifically detailed in the proposal.

These specifications are as complete, accurate and up to date as possible; however, it is the Customer's responsibility for the safe, legal operation and maintenance of this apparatus and equipment.

Attachment 1
MEDFORD FIRE DEPARTMENT FIRE TRUCK
BID #4792 PRICE SHEET

Vendor Name: _____

Fire Truck Cost: _____

Non-Collusion Affidavit

- This Non-Collusion Affidavit is material to any contract awarded pursuant to this bid.
- This Non-Collusion Affidavit must be executed by the member, officer, or employee of the bidder who makes the final decision on prices and the amount quoted in the bid.
- Bid rigging and other efforts to restrain competition and the making of false sworn statements in connection with the submission of bids are unlawful and may be subject to criminal prosecution. The person who signs the affidavit should examine it carefully before signing and assure himself or herself that such statement is true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with the bidder with responsibilities for the preparation, approval, or submission of the bid.
- In the case of a bid submitted by a joint venture, each party to the venture must be identified in the bid documents, and an affidavit must be submitted separately on behalf of each party.
- The term "complementary bid" as used in the affidavit has the meaning commonly associated with that term in the bidding process and includes the knowing submission of bids higher than the bid of another firm, an intentionally high or noncompetitive bid, and any other form of bid submitted for the purpose of giving a false appearance of competition.
- Failure to file an affidavit in compliance with these instructions may result in disqualification of the bid.

Non-Collusion Affidavit

STATE OF _____

COUNTY OF _____

I state that I am (Title) _____ of (Name of My Firm) _____ and that I am authorized to make this affidavit on behalf of my firm and its owners, directors, and officers. I am the person responsible in my firm to the price(s) and the amount of this bid.

I STATE THAT:

- The price(s) and amount of this bid have been arrived at independently and without consultation, communication, or agreement with any other contractor, bidder, or potential bidder.
- Neither the price(s) nor the amount of this bid and neither the approximate price(s) nor approximate amount of this bid, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before bid opening.
- No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.
- The bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid.
- (Name of My Firm) _____, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last three years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction involving conspiracy or collusion with respect to bidding on any public contract, except as follows:

I state that (Name of My Firm) _____ understands and acknowledges that the above representation are material and important and will be relied on by Anderson County in awarding the contract(s) for which this bid is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from Anderson County of the true facts relating to submission of bids for this contract.

Representative's Signature

Title

Sworn to and subscribed before me this _____ day of _____, _____.

Notary Public

My commission expires: _____

**Attachment 4
Insurance Requirement Acknowledgment**

The bidder awarded this bid or contract will maintain, at their expense adequate insurance coverage to protect them from claims arising under the Worker's Compensation Act, any and all claims for bodily injury and property damage to the Bidder and to Anderson County Government while delivery and service are being done. A certificate of insurance must be on file in the Purchasing Department before work may begin and must be maintained until work is completed.

Only the items marked with an "X" are applicable to this bid and or contract.

- | | | | |
|----|-------------------------------------|--|---|
| 1. | <input checked="" type="checkbox"/> | Workers Compensation
Employers Liability | Statutory limits
100,000/100,000/500,000 |
| 2. | <input checked="" type="checkbox"/> | Commercial General Liability | \$1,000,000 per occurrence
\$2,000,000 aggregate |
| | <input checked="" type="checkbox"/> | Occurrence Form Only | |
| | <input checked="" type="checkbox"/> | Include Premises Liability | |
| | <input checked="" type="checkbox"/> | Include Contractual | |
| | <input checked="" type="checkbox"/> | Include XCU | |
| | <input checked="" type="checkbox"/> | Include Products and Completed Operations | |
| | <input checked="" type="checkbox"/> | Include Personal Injury | |
| | <input checked="" type="checkbox"/> | Include Independent Contractors | |
| | <input type="checkbox"/> | Include Vendors Liability | |
| | <input type="checkbox"/> | Include Professional or E&O Liability | |
| 3. | <input type="checkbox"/> | Business Auto | |
| | <input type="checkbox"/> | Include Garage Liability | |
| | <input type="checkbox"/> | Include Garage Keepers Liability | |
| | <input type="checkbox"/> | Copy of Valid Driver's License | |
| | <input type="checkbox"/> | Copy of Current Motor Vehicle Record | |
| | <input type="checkbox"/> | Copy of Current Auto Liability Declarations Page | |
| 4. | <input type="checkbox"/> | Crime Coverages | |
| | <input type="checkbox"/> | Employee Dishonesty | |
| | <input type="checkbox"/> | Employee Dishonesty Bond | |
| 5. | <input type="checkbox"/> | Property Coverages | |
| | <input type="checkbox"/> | Builders Risk | |
| | <input type="checkbox"/> | Inland Marine | |
| | <input type="checkbox"/> | Transportation | |
| 6. | <input type="checkbox"/> | Performance Bond Required – A <u>One Hundred Percent (100%)</u> performance or an irrevocable letter of credit in favor of Anderson County Government at a federally insured financial institution. This <u>MUST</u> be submitted before purchase order issued. | |

Certificate Holder Shall Be: Anderson County Government, Clinton, Tennessee, and shall show the bid number and title. Anderson County Government shall be named as an additional insured on all policies except worker's compensation and auto. Insurance carrier ratings shall have a Best's rating of A-VII or better, or its equivalent. Cancellation clause on certificate should strike out "endeavor to" and include a 30-day notice of cancellation where applicable. Any deviations from the above requirements must be disclosed to the Anderson County Purchasing Agent. Any liability deductibles or exclusions must also be disclosed. Exceptions can be granted if applicable.

Bidders Statement and Certification

I understand the insurance requirements of these specifications and will comply in full within **21 (twenty-one) calendar days** if awarded this bid and or contract. I agree to furnish the county with proof of insurance for the entire term of the bid and or contract.

Vendor Name

Authorized Signature

Bid Representative Name (Please Print)

Date



DIVERSITY BUSINESS INFORMATION

Definitions for Determining Minority, Women And Small-Owned Firms

The guidelines for determining minority, women and small-owned firms are defined as follows:

- "MINORITY"** means a person who is a citizen or lawful permanent resident of the United States and who is:
- o Black (a person having origins in any of the black racial groups of Africa);
 - o Hispanic (a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race);
 - o Asian American (a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands); or
 - o American Indian and Alaskan Native (a person having origins in any of the original peoples of North America).

"MINORITY BUSINESS ENTERPRISE" shall mean a minority business:

A continuing, independent, for profit business which performs a commercially useful function, and is at least 51 percent owned and controlled by one or more minority individuals; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned and controlled by one or more minorities. Whose management and daily business operations are controlled by one or more of minority individuals. "Control" as used in the above clause, means exercising the power to make policy decision. "Operate," as used in the above clause, means being actively involved in the day-to-day management of the business.

"WOMEN BUSINESS ENTERPRISE" shall mean women business:

A continuing, independent, for profit business which performs a commercially useful function, and which is at least 51 percent owned and controlled by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned and controlled by one or more women. Whose management and daily business operations are controlled by one or more of such individuals. "Control" as used in the above clause, means exercising the power to make policy decision. "Operate," as used in the above clause, means being actively involved in the day-to-day management of the business.

**DIVERSITY BUSINESS INFORMATION
ANDERSON COUNTY GOVERNMENT**

NOTE: This form is to be submitted only by those who qualify. Bidders do not have to be a minority business to be considered.

IMPORTANT! NOTARY AND COPY OF CERTIFICATION REQUIRED

SECTION 6 – DIVERSITY INFORMATION

VENDOR/CONTRACTOR NAME: _____

Type of Company: (Check One)

() Corporation () Partnership () Limited Liability () Sole Proprietor

Is your company 51% Owned or Operated by a Minority Group? Yes ___ No___

If yes, check the ethnic category and indicate % of ownership:

- American Indian/Alaskan Native ____%
- African American ____%
- Hispanic ____%
- Asian/Pacific Islander ____%
- Other ____% _____ (please indicate)

Please name the entity of certification: _____

Please provide copy of certification letter or certificate

I, HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

Signature: _____ **OFFICER OF THE COMPANY**

Name: _____ **Title:** _____

NOTARY ACKNOWLEDGEMENT:

STATE OF _____)

COUNTY OF _____)

ON _____, 20____, BEFORE ME, _____,

PERSONALLY APPEARED _____, PERSONALLY KNOWN TO ME (OR PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE) TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/ THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON (S) ACTED, EXECUTED THE INSTRUMENT.

WITNESS MY HAND AND OFFICIAL SEAL.

SIGNATURE OF NOTARY: _____

PRINTED FULL NAME OF NOTARY: _____

MY COMMISSION EXPIRES: _____