



# COUNTY OF ROANOKE

## FINANCE DEPARTMENT

### PURCHASING DIVISION

Kate Hoyt  
Buyer

P.O. Box 29800  
5204 Bernard Drive SW, Suite 300F  
Roanoke, VA 24018  
Phone: (540) 283-8149  
[khoyt@roanokecountyva.gov](mailto:khoyt@roanokecountyva.gov)

November 22, 2017

## REQUEST FOR PROPOSALS

**#2018-0044**  
Tanker for Roanoke County Fire & Rescue

Sealed Proposals Due:  
December 20, 2017  
2:00 PM  
(Local Prevailing Time)  
One (1) unbound original  
Six (6) bound complete copies  
One (1) electronic copy (USB preferred)

## RFP #2018-0044 TANKER FOR ROANOKE COUNTY FIRE & RESCUE

### **GENERAL INFORMATION**

Roanoke County is seeking proposals from qualified vendors to provide a 1250 GPM/1800 gallon tanker, as described herein and equipped as specified in this RFP document. It is the intent of the County to purchase one (1) tanker, with the option to purchase additional units. Pricing should be provided on a per unit basis, per the included Price Form.

One unbound original, six (6) bound complete copies and one electronic copy (USB preferred) of the proposals, in a sealed envelope/package, will be received at and until **December 20, 2017, at 2:00 PM (local prevailing time)**, in the Roanoke County Purchasing Division at 5204 Bernard Drive, Suite 300F, Roanoke, Virginia 24018. NO faxed proposals will be accepted. It is the responsibility of the Offeror to ensure that its proposal is received in the Purchasing Division by the above date and time. Any proposal received after the above time and/or date will be returned to the Offeror unopened. Your response must be submitted in a sealed envelope/package, clearly marked "**RFP #2018-0044 F&R TANKER**" on the outside of the envelope/package. The Offeror assumes responsibility for having its proposal delivered on time at the place specified. An agent of the Offeror authorized to make financial and delivery commitments must sign the proposal. As this is a formal, sealed Request for Proposal no information regarding the contents of the proposal or the identity of the Offerors will be discussed until after the negotiation process.

Roanoke County shall provide the mechanism for the evaluation of all information received. Roanoke County reserves the right to make the final determination of responsible Offerors and to waive informalities and/or irregularities and to accept or reject any or all offers. Proposals shall be as thorough and detailed as possible so that the County may properly evaluate the capabilities of the Offeror to provide the required services. It is not the intent of the specifications to be proprietary, or to exclude any individual, business or firm.

### **RFP QUESTIONS**

Any inquiries regarding submittal of proposal or any questions concerning specifications shall be in writing and sent via mail or email to:

Kate Hoyt, Buyer

5204 Bernard Drive SW, Suite 300F

Roanoke, VA 24018

Phone: (540) 283-8149

[khoyt@roanokecountyva.gov](mailto:khoyt@roanokecountyva.gov)

Written responses, including any questions will be provided on our Purchasing Website in the form of an Addendum. It is the responsibility of the Offeror to periodically check our website for any addendum or sign up for County Email Notification. Questions received within five (5) days of the proposal closing date will be attempted to be answered, but will not be reason to delay the closing time of the proposals.

### **NO CONTACT POLICY**

After the date and time established for receipt of proposals by the County, any contact initiated by any Offeror with any County representative, other than the purchasing representative listed herein, concerning this request for proposals is prohibited. Any such unauthorized contact may cause disqualification of the Offeror from this procurement transaction.

## **SCOPE OF WORK**

The County of Roanoke is soliciting proposals from qualified firms to provide a 1250 GPM/1800 gallon tanker, equipped as specified in this request for proposals. A checklist of all required specifications is provided on pages 17-28 of this request for proposal document.

## **INSTRUCTIONS TO PROPOSERS:**

In order to be considered for award, the successful proposer shall include with their submittal the following documentation:

- Completed and signed Signature Page and Price Form (p. 15)
- Reference form (p. 16)
- Completed copy of the Compliance with Specifications checklist (pg. 17-28)
- Any additional specifications as applicable
- A clear accounting of any exceptions to the listed specifications, to include a letter of explanation of said exception.
- All relevant warranty information, as specified on the Compliance with Specifications checklist.

## **REFERENCES**

All Offerors shall include a list of references, from locations with similar apparatus in service, who could attest to the firm's knowledge, quality of work, quality of product, timeliness, diligence, flexibility, and overall expertise. Include names, contact persons, phone numbers, and emails of all references on the attached Reference Form.

References may or may not be reviewed or contacted at the discretion of the County. Typically, only references of the top ranked short listed Offeror or Offerors are contacted. The County reserves the right to contact references other than, and/or in addition to, those furnished by an Offeror.

## **EVALUATION CRITERIA**

*Several factors, in addition to costs, will be taken into account when evaluating proposals.*

Roanoke County shall provide the mechanism for the evaluation of all information received, the final determination of responsible Offerors, and reserves the right to waive informalities and to accept or reject any or all proposals.

The criteria below will be utilized in the evaluation of qualifications for development of the shortlist of those Offerors to be considered for interviews/demonstrations and/or potential negotiations.

- A. Overall quality of proposal submitted;
- B. Overall qualifications and experience of the firm and any subcontractors, including experience in providing these goods or services;
- C. Expected delivery schedule;
- D. Past record and performance of the firm with respect to schedule compliance, cost control and quality of work; and
- E. Proposed cost of services.

## **BASIS FOR AWARD**

Information and/or factors gathered during interviews, negotiations and any reference checks, in addition to the evaluation criteria stated in the RFP, and any other information or factors deemed relevant by the County, shall be utilized in the final award. Respondents are

encouraged to submit proposals that the respondent feels best meets the needs of Roanoke County. The County will make the final determination of the proposal that best meets the needs of Roanoke County.

### **COOPERATIVE PROCUREMENT**

The procurement of goods and/or services provided for in this Request for Proposals is being conducted pursuant to Virginia Code, Section 2.2-4304.

Therefore, the Offeror or Bidder is advised, and by submitting a response to this procurement, such Offeror or Bidder agrees that any resulting contract from this procurement may in addition to the County of Roanoke, may also be extended to other public agencies or bodies in the Commonwealth of Virginia to permit those public agencies or bodies to purchase such goods and/or services at contract prices, in accordance with the terms, conditions, and specifications of this procurement. The successful Offeror or Bidder shall deal directly with each public agency or body seeking to obtain any goods and/or services pursuant to any contract that may result from this procurement and in accordance with Virginia Code, Section 2.2-4304.

The County of Roanoke shall not be responsible or liable for any costs, expenses, or any other matters of any type to either the successful Offeror or Bidder or the public agency or body seeking to obtain any goods and/or services pursuant to this cooperative procurement provision.

### **GENERAL TERMS, CONDITIONS, AND INSTRUCTIONS-RFP (04/12/2012)**

**READ CAREFULLY** - Proposals must be submitted in accordance with instructions given in this document. All information requested must be submitted. Failure to do so may result in the proposal being considered non-responsive and, therefore, rejected.

Wherever the term Roanoke County, County or Roanoke County Board of Supervisors is used it is understood to include the Roanoke County School Board, in addition, any contract awarded from this solicitation may be used by Roanoke County Public Schools and any other public entity for which the County of Roanoke acts as a fiscal or purchasing agent.

### **SUBMISSION AND RECEIPT OF PROPOSALS**

- (a) To be considered, all proposals must be delivered in a sealed envelope, clearly marked with the words "Proposal Documents", proposal number and the title of the Request for Proposal and received in the Roanoke County Finance Department/Purchasing Division no later than the specified date and time for the Request for Proposal opening. Failure to timely submit such proposal shall disqualify the Offer and such proposal will be returned to the Offeror unopened. **NO FAXED PROPOSALS WILL BE ACCEPTED.**
- (b) Unless otherwise specified, Offerors must use the Request for Proposal price form furnished by the County. Failure to do so shall be grounds for rejection of the proposal.
- (c) Proposals having any erasures or corrections must be initialed in ink by the Offeror. An authorized officer of the company must sign proposals in ink. Such authorization shall be a part of the proposal document. All quotations must either be typewritten or printed in ink.

(d) The original proposal response must not be permanently bound as to allow for document scanning for internal recordkeeping and one (1) electronic copy on CD/DVD is preferred.

#### **IMPORTANT NOTICE – ADDENDUMS AND NOTICES OF AWARD**

Vendors may visit <http://roanokecountyva.gov/list.aspx> to sign up to receive emails or text message notices about bids, proposals, addendums, bid tabulation and awards. Vendors can sign up to receive notification in selected commodity/service categories. It is the vendor's responsibility to keep information current in the system in order to receive the notifications. The sign up only requires an email address and/or a cell phone number for receiving text messages (if your phone is capable) and your choice of categories.

Although '**Notify Me**' will be the only way to receive automatic notification, all BIDS/RFP Information will continue to be posted on our website, , and can be picked up at the Purchasing Division, 5204 Bernard Drive, Suite 300F, Roanoke, VA 24018. Phone # (540) 772-2061, Ext. 311.

Questions should be directed to:

Kate Hoyt, Buyer  
5204 Bernard Drive SW, Suite 300F  
Roanoke, VA 24018

Phone: (540) 283-8149  
khoyt@roanokecountyva.gov

#### **ACCEPTANCE OR REJECTION OF PROPOSALS**

The County of Roanoke reserves the right to accept or reject any or all offers. The County also reserves the right to award the contract for any such materials, goods or services the County deems will best serve its interests. It further reserves the right to award the contract on a split order basis, lump sum or individual basis, or such combinations as shall best serve the interest of the County. Roanoke County reserves the right to make a site visit to the facility prior to proposal award.

#### **PROPOSAL GUARANTY**

The Offeror must guarantee not to withdraw a proposal during the period of ninety (90) days following the due date or until a contract is signed; that if such proposal is accepted the Offer will accept and perform under the terms of this RFP, the proposal and any subsequent negotiation and resulting contract.

Modification or withdrawal of a proposal will be executed as outlined in the Roanoke County Procurement Code.

Roanoke County encourages free and open competition. Whenever possible, specifications, proposal invitations, and conditions are designed to accomplish this objective, consistent with the necessity to satisfy Roanoke County's needs and the accomplishment of a sound economical operation. The Offeror's signature on this proposal guarantees that the price offered has been established without collusion with other eligible Offerors and without effort to preclude Roanoke County from obtaining the lowest possible competitive price. The award (s) will be made to the responsible Offeror(s) whose proposal is determined to be most advantageous to Roanoke County based on the evaluation factors set forth in this Request for Proposal.

Costs of developing and delivering responses to the Request for Proposals are entirely the

responsibility of the Offeror.

All materials submitted in response to the RFP become the property of Roanoke County upon delivery to the Roanoke County Purchasing Office and are subject to public inspection in accordance with the Virginia Freedom of Information Act.

## **SELECTION PROCESS/AWARD OF CONTRACT**

As this is a Request for Proposal, no information regarding the identity of neither the vendors nor the contents will be released until after the negotiation process.

Proposals may be ranked without interviews; hence, firms are encouraged to submit their initial proposals as comprehensively as possible.

The selection process will be in accordance with **Section 2.2-4301** of the Code of Virginia:

**3(a). Procurement of Professional Services.** *The public body shall engage in individual discussions with two or more Offerors deemed fully qualified, responsible and suitable on the basis of initial responses and with emphasis on professional competence, to provide the required services. Repetitive informal interviews shall be permissible. The Offerors shall be encouraged to elaborate on their qualifications and performance data or staff expertise pertinent to the proposed project, as well as alternative concepts. The Request for Proposal shall not, however, request that Offerors furnish estimates of man-hours or cost for services. At the discussion stage, the public body may discuss nonbinding estimates of total project costs, including, but not limited to, life-cycle costing, and where appropriate, nonbinding estimates of price for services. Proprietary information from competing Offerors shall not be disclosed to the public or to competitors.*

*At the conclusion of discussion, outlined in this subdivision, on the basis of evaluation factors published in the Request for Proposal and all information developed in the selection process to this point, the public body shall select in the order of preference two or more Offerors whose professional qualifications and proposed services are deemed most meritorious. Negotiations shall then be conducted, beginning with the Offeror ranked first. If a contract satisfactory and advantageous to the public body can be negotiated at a price considered fair and reasonable, the award shall be made to that Offeror. Otherwise, negotiations with the Offeror ranked first shall be formally terminated and negotiations conducted with the Offeror ranked second, and so on until such a contract can be negotiated at a fair and reasonable price. Notwithstanding the foregoing, if the terms and conditions for multiple awards are included in the Request for Proposal, a public body may award contracts to more than one Offeror.*

*Should the public body determine in writing and in its sole discretion that only one Offeror is fully qualified, or that one Offeror is clearly more highly qualified and suitable than the others under consideration, a contract may be negotiated and awarded to that Offeror.*

**3(b). Procurement of other than professional services.** Selection shall be made of two or more Offerors deemed to be fully qualified and best suited among those submitting proposals, on the basis of the factors involved in the Request for Proposal, including price if so stated in the Request for Proposal. Negotiations shall then be conducted with each of the Offerors so selected. Price shall be considered, but need not be the sole determining factor. After negotiations have been conducted with each Offeror so selected, the public body shall select the Offeror which, in its opinion, has made the best proposal, and shall award the contract to

*that Offeror. When the terms and conditions of multiple awards are so provided in the Request for Proposal, awards may be made to more than one Offeror.*

*Should the public body determine in writing and in its sole discretion that only one Offeror is fully qualified, or that one Offeror is clearly more highly qualified than the others under consideration, a contract may be negotiated and awarded to that Offeror.*

### **INVOICES**

The contractor must send all invoices directly to the payment address shown on the purchase order/contract and must submit invoices for items ordered, delivered and accepted by Roanoke County. All invoices must show the purchase order/contract number. All contractors need to be properly registered as a payment vendor for the County. An on-line **Vendor Payment Registration** is found on the Purchasing website. All vendors previously registered are still in the system as a payment vendor. This system will no longer be used for notification of IFB/RFP's.

### **PERFORMANCE BOND**

At the time of or prior to the execution of the contract, the County reserves the right to require the successful Offeror to furnish a performance and/or labor and material payment bond with corporate surety, satisfactory to the County of Roanoke, in the amount of the contract price.

### **QUALITY**

All materials used for the manufacture or construction of any supplies, materials or equipment covered by this contract shall be of the best quality available.

### **ACCEPTANCE OF MATERIAL**

Until such time as all the conditions in the contract are fulfilled, the County reserves the right to refuse and return material, at the seller's expense.

### **WARRANTY/RETURNS**

Clearly specify your warranty of product and handling of returns, including turnaround time on faulty equipment. Warranties and other technical data are to be included.

### **DELIVERY**

Time is of the essence for delivery of any items, products or service procured as a result of this contract. If delivery is not made at the time specified on the Request for Proposal or subsequent negotiations, the County reserves the right to call in any and all bonds or other security given for performance, to cancel the order, or any part thereof, without obligation, to declare the seller in default, and to disqualify the seller from bidding on future County contracts.

### **DEFAULT**

In case of failure to provide goods/services as specified herein, Roanoke County, after due written notice, may procure goods/services from other sources and hold the contractor responsible for any and all excess cost occasioned thereby.

### **COPYRIGHT OR PATENT RIGHTS**

The Offeror warrants that there have been no violations of copyrights or patent rights in the manufacture, production or sale of the goods shipped or ordered as a result of this proposal.

The Offeror agrees that the County of Roanoke shall be indemnified and held harmless from any and all liability or expense occasioned by any such violations.

### **TAX EXEMPTION**

The County of Roanoke is exempt from any taxes imposed by State and/or Federal Government. Upon notification, the County will furnish a certificate of tax exemption.

### **CERTIFICATION AND ABILITY**

The County of Roanoke reserves the right to request from the Offeror, a separate manufacturer's certification of all statements made in the proposal. The County may request any or all s to furnish proof of experience, ability and financial standing.

### **COMPLIANCE WITH LAWS**

The Offeror is responsible for compliance with all Local, State and/or Federal laws and regulations. The County of Roanoke shall be held harmless from any liability.

### **AUTHORITY TO TRANSACT BUSINESS IN VIRGINIA**

A Contractor organized as a stock or non stock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership shall be authorized to transact business in the Commonwealth as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the Code of Virginia or as otherwise required by law. Any business entity described herein that enters into a Contract with the County pursuant to the Virginia Public Procurement Act 2.2-4300 et seq. shall not allow its existence to lapse or its certificate of authority or registration to transact business in the Commonwealth, if so required under Title 13.1 or Title 50 of the Code of Virginia, to be revoked or cancelled at any time during the term of the Contract. The County may void any Contract with a business entity if the business entity fails to remain in compliance with the provisions of this section. All corporations, LLC's and LLP's shall be registered with the State Corporation Commission. To determine whether your firm should register, please contact the SCC.

By my signature on this solicitation, I certify compliance with federal, state, and local laws and regulations applicable to the performance of the services described herein.

### **RULING LAW**

This request for proposals and any contract executed pursuant hereto of which this request for proposal shall be an internal part shall be governed, controlled and interpreted in accordance with the law of the Commonwealth of Virginia without reference to its conflict of law principles. Each party to such contract shall there by submit to the exclusive jurisdiction of the Circuit Court of the County of Roanoke or, in the event that jurisdiction is authorized, to the United States District Court for the Western District of Virginia, sitting at Roanoke, Virginia.

### **NONDISCRIMINATION PROVISIONS**

During the performance of this contract, the contractor will not discriminate against any employee or applicant for employment because of age, race, religion, color, sex or national origin, except where religion, sex or nation origin is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause. The contractor, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such

contractor is an equal opportunity employer.

## **INSURANCE**

The CONTRACTOR shall purchase and maintain such insurance as will protect him from claims set forth below which may arise out of or result from the CONTRACTOR'S execution of the WORK, whether such execution be by himself or by any SUBCONTRACTOR or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

Claims under workmen's compensation, disability benefit and other similar employee benefit acts; and

Claims for damages because of bodily injury, occupational sickness or disease, or death of his employees; and

Claims for damages because of bodily injury, sickness liability coverage which are sustained (1) by any person as a result of an offense directly or indirectly related to the employment of such person by the CONTRACTOR, or (2) by any other person; and

Claims for damages because of bodily injury, sickness, or disease, or death of any person other than his employees; and

Claims for damages because of injury in or destruction of tangible property, including loss of use resulting there from.

Certificates of insurance acceptable to the OWNER shall be filed with the OWNER prior to coverage's afforded under the policies will not be canceled unless at least fifteen (15) days prior WRITTEN NOTICE has been given to the OWNER.

The CONTRACTOR shall procure and maintain, at his own expense, during the CONTRACT TIME, liability insurance as hereinafter specified:

CONTRACTOR'S General Public Liability and Property Damage Insurance including vehicle coverage issued to the CONTRACTOR and protecting him from all claims for personal injury, including death, and all claims for destruction of or damage to property, arising out of or in connection with any operations under the CONTRACT DOCUMENTS, whether such operations be by himself or by any SUBCONTRACTOR under him, or anyone directly or indirectly employed by the CONTRACTOR or by a SUBCONTRACTOR under him. Insurance shall be written with a limit of liability of not less than \$1,000,000 for all damages arising out of bodily injury, including death, at any time resulting there from, sustained by any one person in any one accident; and a limit of liability of not less than \$1,000,000 aggregate for any such damages sustained by two or more persons in any one accident. Insurance shall be written with a limit of liability of not less than \$1,000,000 for all property damage sustained by any one person in any one accident; and a limit of liability of not less than \$1,000,000 aggregate for any such damage sustained by two or more persons in any one accident.

The CONTRACTOR shall procure and maintain, at his own expense, during the CONTRACT TIME, in accordance with the provisions of the laws of the state in which the WORK is

performed. Workmen's Compensation Insurance, including occupational disease provisions, for all of his employees at the site of the PROJECT and in case any WORK is sublet, the CONTRACTOR shall require each SUBCONTRACTOR similarly to provide Workmen's Compensation Insurance, including occupational disease provisions for all of the latter's employees unless such employees are covered by the protection afforded by the CONTRACTOR. In case any class of employees engaged in hazardous WORK under this CONTRACT at the site of the PROJECT is not protected under Workmen's Compensation statute, the CONTRACTOR shall provide, and shall cause each SUBCONTRACTOR to provide, adequate and suitable insurance for the protection of his employees not otherwise protected.

## **SPECIAL INSTRUCTIONS:**

### **ANTITRUST**

By entering into a contract, the Offeror conveys, sells, assigns and transfers to Roanoke County all rights, title, and interest in and to all causes of the action it may now or hereafter acquire under the antitrust laws of the United States and the Commonwealth of Virginia, relating to the particular goods or services purchased or acquired by Roanoke County under said contract.

### **AVAILABILITY OF FUNDS**

It is understood and agreed between the parties herein that Roanoke County shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this contract.

### **ASSIGNMENT OF CONTRACT**

A contract shall not be assignable by the in whole or in part without the written consent of Roanoke County.

### **CONTRACT**

Any contract resulting from this proposal shall consist of the following documents: the General Terms and Conditions and the Specifications, both of which are contained in the Request for Proposal, together with the Offeror's response, which consists of this document, the Price Schedule and other related documents attached hereto or submitted with this Request for Proposal.

### **MODIFICATION OF CONTRACT**

This RFP and any subsequent contract constitute the entire agreement between the Offer or and Roanoke County. No alteration, amendment, or modification in the provisions of the contract shall be effective unless it is put in writing, signed by all parties and attached.

### **CANCELLATION OF CONTRACT**

Roanoke County reserves the right to cancel and terminate any resulting contract, with a 30-day written notice to the contractor. Any contract cancellation notice will not relieve the contractor of the obligation to deliver and/or perform on all services prior to the effective date of cancellation. Cancellation of the contract would become effective the thirty-first day after notification. Data for cancellation of the contract will be gathered by Roanoke County. The opinion of Roanoke County as to lack of performance will be final and without appeal.

## **IMMIGRATION REFORM AND CONTROL ACT OF 1986**

By signing this proposal, the Offeror certifies that the firm does not and will not during the performance of this contract employ illegal alien workers or otherwise violate the Federal Immigration Reform and Control Act of 1986.

## **KICKBACKS**

I certify and warrant that by my signature on this solicitation, neither I nor the Offeror for whom I am authorized to act has offered or received any kickback from any other Offeror, supplier, manufacturer, or subcontractor in connection with proposal on this contract, subcontractor in order, in the form of any payment, loan, subscription, advance, deposit of money, services or anything, present or promised, unless consideration of substantially equal or greater value is exchanged. Further, no person shall demand or receive any payment, loan, subscription, advance, and deposit of money, service, or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value is exchanged.

## **DEBARMENT**

By my signature on this solicitation, I certify that this person/firm/corporation is not currently barred from bidding on contracts by any agency of the Commonwealth of Virginia or the federal government of the United States of America, nor is this person/firm/corporation a part of any firm/corporation that is currently barred from bidding on contracts by any agency of the Commonwealth of Virginia or the federal government of the United States of America. I have attached an explanation of the previous debarment(s) and copies of notice(s) of reinstatement(s).

## **INDEMNIFICATION**

To the fullest extent permitted by law, the Vendor shall indemnify and hold harmless the County of Roanoke and their agents and employees from and against all claims, damages, losses and expenses, including but not limited to, attorneys' fees, arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense (1) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting there from, and (2) is caused in whole or in part by any negligent act or omission of the Vendor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this paragraph.

The County cannot legally agree to any clause indemnifying the contractor from any damages arising out of the contract or holding the contractor harmless. The submission of a bid or proposal means that the contractor agrees not to request such language in the resulting contract.

## **DRUG-FREE WORKPLACE**

During the performance of this contract, the contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in violation of such prohibition; (iii) state in all solicitations or

advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a contractor in accordance with this chapter, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

#### **DATA ON CONVICTIONS FOR CERTAIN CRIMES AND CHILD ABUSE AND NEGLECT**

The Proposer certifies that none of the persons who will provide services requiring direct contact with students on school property during school hours or during school-sponsored activities has been convicted of any of the following felony or misdemeanor offenses: felony sex or violence offenses, other felony offenses or misdemeanor sex offenses within the past ten years.

The Proposer further understands and acknowledges (1) that if he makes a materially false statement regarding any of the above offenses, he will be guilty of a Class 1 misdemeanor and may forfeit profits derived from the contract. Further, the Proposer understands and acknowledges that before any person is permitted to provide such services subsequent to this certification, he must complete a new certification regarding such person in a form satisfactory to the School Board. The required certification form is attached hereto.

#### **PROPRIETARY INFORMATION**

Ownership of all data, materials, and documentation originated and prepared for the County of Roanoke pursuant to the REQUEST FOR PROPOSAL shall belong exclusively to the County and be subject to public inspection in accordance with the Virginia Freedom of Information Act. Trade secrets or proprietary information submitted by an Offeror shall not be subject to public disclosure under the Virginia Freedom of Information Act; however, the Offeror must invoke the protections of Section 2.2-4342F of the Code of Virginia, in writing, either before or at the time the data or other material is submitted.

The Offeror must specifically identify the data or materials to be protected and state the reasons why protection is necessary on the "Notice of Proprietary Information Form" below. In addition, the proprietary or trade secret material submitted must be identified by some distinct method such as highlighting or underlining in the Proposal and must indicate only the specific words, figures, or paragraphs that constitute trade secret or proprietary information.

The classification of an entire proposal document, line item prices, and/or total proposal prices as proprietary or trade secrets is not acceptable and may result in rejection of the proposal.

**NOTICE OF PROPRIETARY INFORMATION FORM**  
**RFP #2018-0044 TANKER FOR ROANOKE COUNTY FIRE & RESCUE**

Confidentiality References Protection in Accordance with the Code of Virginia, Section 2.2-4342

| Section Title | Page # | Reason(s) for Withholding from Disclosure |
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**INSTRUCTIONS:** Identify the data or other materials to be protected and state the reasons by using the codes listed below. Indicate the specific words, figures, or paragraphs that constitute trade secrets or proprietary materials. The classification of an entire bid or proposal document, line item prices, and/or total bid or proposal prices as proprietary or trade secret is not acceptable and will result in rejection of the bid or proposal.

- A) This page contains information relating to "trade secrets", and "proprietary information" including processes. Operations, style of work, or apparatus. Identify confidential statistical data. Amount or source of any income...of any person (or) partnership. See Virginia Public Procurement Act. Section 2.2-4342. Unauthorized disclosure of such information would violate the Trade Secrets Act 18 U.S.C. 1905.
- B) This page contains proprietary information including confidential, commercial or financial information, which was provided to the Government on a voluntary basis and is of the type that would not customarily release to the public. See Virginia Public Procurement Act, Section 2.2-4342; 5 U.S.C. 552 (b) (4); 12 C.F.R. 309.5(c) (4).
- C) This page contains proprietary information including confidential, commercial or financial information. The disclosure of such information would cause substantial harm to competitive position and impair the Government's ability to obtain necessary information from contractors in the future. 5 U.S.C. See Virginia Public Procurement Act. Section 2.2-4342; 552 (b) (4); 12 C.F.R. 309.5(c) (4).4342; 552 (b) (4); 12 C.F.R. 309.5 (c) (4).

**SIGNATURE SHEET & PRICE FORM**  
**RFP #2018-0044 TANKER FOR ROANOKE COUNTY FIRE & RESCUE**

**TOTAL PRICE OF UNIT: \$** \_\_\_\_\_

**EARLIEST DELIVERY DATE:** \_\_\_\_\_

My signature certifies that the proposal as submitted complies with all Terms and Conditions as set forth in the RFP.

My signature also certifies that the accompanying proposal is not the result of, or affected by, any unlawful act of collusion with another person or company engaged in the same line of business or commerce, or any act of fraud punishable under Title 18.2, Chapter 12, Article 1.1 of the Code of Virginia, 1950 as amended, Furthermore, I understand that fraud and unlawful collusion are crimes under the Virginia Governmental Frauds Act, The Virginia Government Bid Rigging Act, and Virginia Antitrust Act and Federal Law, and can result in fines, prison sentences, and civil damage awards.

My signature also certifies that this firm has no business or personal relationships with any other companies or persons that could be considered as a conflict of interest or potential conflict of interest to the County Of Roanoke, and that there are no principals, officers, agents, employees, or representatives of this firm that have any business or personal relationships with any other companies or persons that could be considered as a conflict of interest or a potential conflict of interest to the County Of Roanoke, pertaining to any and all work or services to be performed as a result of this request and any resulting contract with the County Of Roanoke.

I hereby certify that I am authorized to sign as a Representative for the Firm:

COMPANY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE # \_\_\_\_\_

\_\_\_\_\_ FAX # \_\_\_\_\_

\_\_\_\_\_ EMAIL \_\_\_\_\_

FEIN \_\_\_\_\_ VA BUSINESS LICENSE NO. \_\_\_\_\_

STATE CONTRACTOR'S NUMBER (IF APPLICABLE) \_\_\_\_\_

VIRGINIA SCC # OR STATEMENT DESCRIBING WHY FIRM IS NOT REQUIRED TO BE SO AUTHORIZED PER VA CODE §2.2-4311.2 \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

\_\_\_\_\_  
NAME \_\_\_\_\_ TITLE \_\_\_\_\_

*To receive consideration for award, this signature sheet must be returned to the Purchasing Division, as it shall be a part of your response.*

**REFERENCE FORM**  
**RFP #2018-0044 TANKER FOR ROANOKE COUNTY FIRE & RESCUE**

Name of Entity \_\_\_\_\_

Contact Person (Name, Title) \_\_\_\_\_

Telephone \_\_\_\_\_ Email \_\_\_\_\_

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Name of Entity \_\_\_\_\_

Contact Person (Name, Title) \_\_\_\_\_

Telephone \_\_\_\_\_ Email \_\_\_\_\_

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Name of Entity \_\_\_\_\_

Contact Person (Name, Title) \_\_\_\_\_

Telephone \_\_\_\_\_ Email \_\_\_\_\_

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Name of Entity \_\_\_\_\_

Contact Person (Name, Title) \_\_\_\_\_

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Name of Entity \_\_\_\_\_

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Name of Entity \_\_\_\_\_

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Name of Entity \_\_\_\_\_

Contact Person (Name, Title) \_\_\_\_\_

Telephone \_\_\_\_\_ Email \_\_\_\_\_

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Name of Entity \_\_\_\_\_

Contact Person (Name, Title) \_\_\_\_\_

Telephone \_\_\_\_\_ Email \_\_\_\_\_

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**COMPLIANCE WITH SPECIFICATIONS**  
**RFP #2018-0044 TANKER FOR ROANOKE COUNTY FIRE & RESCUE**

|                   | <b>MANUFACTURER COMPLIES</b>   | <b>YES</b> | <b>NO</b> |
|-------------------|--|------------|-----------|
| <b>A. General</b> |  |            |           |
| <b>1</b>          | These specifications are intended to provide the County of Roanoke with a 1250 GPM/1800 gallon Tanker as described herein and equipped as specified.   |            |           |
| <b>2</b>          | The bid form provided herein shall be completed and returned with the appropriate “YES” or “NO” box marked by each item in the MANUFACTURER COMPLIES column.   |            |           |
| <b>3</b>          | NFPA compliance with 1901.   |            |           |
| <b>4</b>          | Roanoke County Fire and Rescue Department uses National Standard Threads.  |            |           |
| <b>5</b>          | Exceptions to bid shall have a letter of explanation.  |            |           |
| <b>6</b>          | The apparent silence of these specifications and any supplemental specifications, as to any detail or the omission from the specifications of detailed description concerning any point shall be regarded as meaning that only materials of the highest quality and correct type, size and design are to be used. Likewise, all workmanship is to be of highest quality. All interpretations of these specifications shall be made on the basis of this statement.                                 |            |           |
| <b>7</b>          | Delivery time is of the essence to the Roanoke County Fire and Rescue Department and will be considered as part of the bid evaluation. Earliest possible delivery time must be provided on the bid form.   |            |           |
| <b>8</b>          | Permission to keep or store the apparatus in any building owned by the purchaser or its use by the Fire and Rescue Department during the delivery or acceptance period shall not constitute acceptance of same.  |            |           |
| <b>9</b>          | Manufacturer must have a significant number of similar apparatus in service. No PROTO-TYPES. Provide a list of locations and contact persons using the RFP #2018-044 Reference Form.   |            |           |
| <b>10</b>         | Unless otherwise provided in the invitation to bid, the name of a certain brand, make or manufacturer does not restrict manufacturers to the specific brand, make or manufacturer named. It conveys the general style, type, character and quality of the article desired, and any article, which the county, in its sole discretion determines to be equal, of that specified, considering quality, workmanship, economy of operation and suitability for the purpose intended shall be accepted. |            |           |
| <b>11</b>         | The apparatus shall have a VA. State inspection sticker prior to acceptance.   |            |           |

| MANUFACTURER COMPLIES |   | YES | NO |
|-----------------------|---|-----|----|
| 12                    | <b>Individuals with disabilities who require assistance or special arrangements in order to participate in the bidding process may contact the County of Roanoke. We require that you provide at least 48 hours notice so that reasonable efforts may be made in order to provide proper arrangements.</b>  |     |    |
| <b>B.</b>             | <b>Guarantee and Delivery</b>   |     |    |
| 1                     | <p><b>The manufacturer shall provide their standard warranty on this apparatus to include:</b></p> <p><b>Chassis, engine and drivetrain. (5 year warranty)</b></p> <p><b>Pump and associated components. (2 year parts and labor)</b></p> <p><b>Cab and Body (10 years/100,000 miles whichever comes first)</b></p> <p><b>Booster Tank. (unlimited lifetime warranty)</b></p> <p><b>Manufacturers shall state duration and conditions of warranty and provide copies of the warranties with bid proposal. It is understood that the warranty shall not extend to normal maintenance services.</b></p> |     |    |
| 2                     | <b>The manufacturer shall maintain / provide a network of service centers with factory trained personnel.</b>   |     |    |
| 3                     | <b>A delivery engineer shall deliver the apparatus and remain with the Fire and Rescue Department for three (3) days to instruct personnel and assist in mounting of furnished equipment. This delivery will be coordinated with the Fire and Rescue Department.</b>  |     |    |
| 4                     | <b>Complete detailed blueprints, showing all four (4) sides and the top of the apparatus shall be submitted to the Fire and Rescue Department for approval after award of the bid, but before any construction.</b>   |     |    |
| 5                     | <p><b>Two (2) copies of the following shall be furnished upon delivery.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Operator's manual including Fire Pump.</b></li> <li><input type="checkbox"/> <b>Wiring diagram for the entire unit.</b></li> <li><input type="checkbox"/> <b>Parts manual.</b></li> </ul>  |     |    |
| 6                     | <b>Delivery is to be made by over-the-road drive-through by the manufacturer.</b>   |     |    |
| 7                     | <b>A penalty of \$200.00 per day will be deducted from the final payment for each day the delivery of the apparatus to Roanoke County exceeds the stipulated delivery date.</b>   |     |    |
| <b>C.</b>             | <b>Chassis</b>  |     |    |
| 1                     | <b>The apparatus chassis shall be the manufacturer's highest quality. Chassis shall be a 2 door Freightliner with a set back front axle and Single rear Axle.</b>   |     |    |
| 2                     | <b>Current model year fully enclosed cab with Two (2) doors.</b>  |     |    |
| 3                     | <b>Chassis designed for fire service.</b>   |     |    |
| 4                     | <p><b>Two (2) person rider type.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Two (2) front.</b></li> </ul>   |     |    |

| MANUFACTURER COMPLIES |   | YES | NO |
|-----------------------|---|-----|----|
| <b>5</b>              | <b>Wheelbase not to exceed 220 inches</b>   |     |    |
| <b>D.</b>             | <b>Engine</b>   |     |    |
| <b>1</b>              | <b>Detroit Diesel DD13, 450HP, 1650 lbs-ft at 1100 RPM</b>  |     |    |
| <b>2</b>              | <b>A Jacob engine brake shall be provided.</b>  |     |    |
| <b>3</b>              | <b>A Detroit Diesel “EPQ” certificate must be provided at the time of delivery to purchaser showing installation approval.</b>  |     |    |
| <b>4</b>              | <b>Filters to be spin on type, easily accessible.</b>   |     |    |
| <b>E.</b>             | <b>Axles (Minimum)</b>  |     |    |
| <b>1</b>              | <b>Front Axle: MERITOR MFS-16-143A; 16,000 lbs, w/ front shocks</b>   |     |    |
| <b>2</b>              | <b>Rear Axle: MERITOR RS-30-185; 30,000 lbs.</b>  |     |    |
| <b>3</b>              | <b>Differential: 1 speed / single reduction with 5.63 to 1 ratio.</b>   |     |    |
| <b>F.</b>             | <b>Steering</b>   |     |    |
| <b>1</b>              | <b>Power Steering ROSS TAS – 85.</b>  |     |    |
| <b>2</b>              | <b>Tilt / Telescoping steering wheel and column.</b>  |     |    |
| <b>G.</b>             | <b>Brakes – Parking</b>   |     |    |
| <b>1</b>              | <b>Spring set. Required on both wheels.</b>   |     |    |
| <b>H.</b>             | <b>Brakes – Service</b>   |     |    |
| <b>1</b>              | <b>Front and rear disk brakes with automatic slack adjusters compatible with front and rear axle size.</b>  |     |    |
| <b>2</b>              | <b>Compressor 16 CFM minimum with rapid build up feature.</b>   |     |    |
| <b>3</b>              | <b>A heated automatic moisture ejector shall be provided.</b>   |     |    |
| <b>4</b>              | <b>All brake lines must be of the FLEX type.</b>  |     |    |
| <b>I.</b>             | <b>Electrical</b>   |     |    |
| <b>1</b>              | <b>Two (2) copies of the schematic diagram of all electrical wiring on the apparatus shall be furnished.</b>  |     |    |
| <b>2</b>              | <b>320 amp minimum Leece-Neville/AC-Delco alternator with internal regulator.</b>   |     |    |
| <b>3</b>              | <b>Manufacturer shall provide an itemized computer print out of the total amp draw of the entire vehicle electrical system. Also to be provided is the amp draw when the vehicle is in the “responding” and “on-scene” modes. This is required so that it can be verified that alternator capacity requested is adequate for vehicle electrical system.</b> |     |    |
| <b>4</b>              | <b>Four (4) group 31's batteries shall be provided.</b>   |     |    |
| <b>5</b>              | <b>Provide KUSSMAL pump plus 1200-air compressor / high output battery charger or equivalent.</b>   |     |    |
| <b>6</b>              | <b>All electrical equipment shall be installed to conform to modern automotive practices.</b>   |     |    |
| <b>7</b>              | <b>Wiring installed by body builder to be hard wired (not multiplex) and run in heat resistant convoluted loom and protected by automatic reset circuit breakers.</b>   |     |    |
| <b>8</b>              | <b>Wire shall be color-coded and heat resistant.</b>  |     |    |

| MANUFACTURER COMPLIES |  | YES | NO |
|-----------------------|--|-----|----|
| <b>9</b>              | All electrical equipment switches shall be mounted on a separate switch panel mounted on the cab dash with a master switch and individual switches to allow pre-selection of lights.   |     |    |
| <b>10</b>             | All switches shall be heavy duty rocker type with integral indicator light.  |     |    |
| <b>11</b>             | The switches shall be mounted in a removable panel for ease of service, functionally laid out and properly identified.   |     |    |
| <b>12</b>             | Vehicle shall be equipped with master battery cut off switch.  |     |    |
| <b>13</b>             | Location of switches shall be determined with successful manufacturer.   |     |    |
| <b>14</b>             | Provide and install a David Clark or Fire Com headphone system that shall consist of a headphone at the two-(2) cab positions. This system shall be a complete intercom system between all positions and interface with the Fire and Rescue radio from the officer and driver's position. One (1) external jack also to be provided for the pump operator.   |     |    |
| <b>J.</b>             | <b>120 Volt Electrical</b>   |     |    |
| <b>1</b>              | A KUSSMAL super auto-eject with 20-amp 120V service installed on the left side of apparatus cab.   |     |    |
| <b>K.</b>             | <b>Transmission</b>  |     |    |
| <b>1</b>              | Transmission to be ALLISON 4000 EVS, 5 spd; with controls to be electronic push button shifter.  |     |    |
| <b>2</b>              | Transmission oil temperature gauge shall be required and mounted as part of the instrument cluster.  |     |    |
| <b>3</b>              | The automatic transmission shall be equipped with power lockout device. This lockout shall prevent down shifting of transmission when engine speed is decreased or during pump operations, thereby maintaining constant gear ratio. Transmission lockout shall automatically activate when placed in pump gear. Transmission lockout shall automatically deactivate when disengaging pump for normal road operation. |     |    |
| <b>L.</b>             | <b>Suspension</b>  |     |    |
| <b>1</b>              | Front: 16,000 lbs.   |     |    |
| <b>2</b>              | Rear: 30,000 lbs.  |     |    |
| <b>3</b>              | Shock absorbers front only.  |     |    |
| <b>M.</b>             | <b>Tires</b>   |     |    |
| <b>1</b>              | Front: Goodyear 315/80R 22.5 radial (20 ply) straight tread. G296  |     |    |
| <b>2</b>              | Rear: Goodyear 12R 22.5 (16 ply) dual mud and snow radials. G661   |     |    |
| <b>3</b>              | Mud flaps to be provided, black in color.  |     |    |
| <b>N.</b>             | <b>Wheels</b>  |     |    |
| <b>1</b>              | Ten (10) stud disc. Steel. Painted same as body (white)  |     |    |
| <b>O.</b>             | <b>Bumper</b>  |     |    |
| <b>1</b>              | Front bumper to be extended maximum of 19 inches.  |     |    |
| <b>2</b>              | Polished stainless steel.  |     |    |

|    | MANUFACTURER COMPLIES  | YES | NO |
|----|--|-----|----|
| 3  | Two (2) tow rings through the front bumper. One (1) each side.   |     |    |
| 4  | Six inch (6") front intake to be mounted on the right front bumper extension. Manual hand wheel control mounted to the left side at the pump panel.  |     |    |
| 5  | Bumper to have hose compartment for 200 feet of 1 3/4 hand line (minimum) with one (1) 2 1/2 inch outlet with swivel mounted on front left side of bumper.   |     |    |
| P. | Pump   |     |    |
| 1  | The pump shall be a Waterous #CSU 1250 GPM single stage midship mounted centrifugal type with mechanical automatic adjusting seals.  |     |    |
| 2  | The pump shift from road to pump shall be air operated with the gear indicator light located in the cab and on the pump panel.   |     |    |
| 3  | A Zinc anode shall be installed in the pump.   |     |    |
| Q. | Relief Valve / Throttle Control  |     |    |
| 1  | A Detroit Electronic Fire Commander specially designed for the fire service shall be provided. It shall be positive and quick acting having instantaneous ON / OFF control.  |     |    |
| R. | Intake Pressure Relief System  |     |    |
| 1  | An adjustable 2-1/2 inch or larger intake pressure relief system shall be installed.   |     |    |
| 2  | Adjustment for the valve shall be located behind the access panel on the right side of the apparatus.  |     |    |
| 3  | The discharge dump for the valve shall dump straight down in front of the right rear wheels.   |     |    |
| S. | Primer   |     |    |
| 1  | The primer shall be a Waterous VPO with tank.  |     |    |
| T. | Auxiliary Cooling System   |     |    |
| 1  | A supplementary heat exchange cooling system shall be installed to permit use of water from the discharge side of the fire pump for cooling of water circulating through the engine cooling system with control valve on operator's panel.                       |     |    |
| 2  | Heat exchanger shall be a separate unit.   |     |    |
| 3  | A thermal temperature relief valve shall be installed and plumbed to the pump and discharged to the ground if water overheats 120 degrees F. A pump panel mounted warning light, test button and audible warning device shall be supplied with the relief valve. |     |    |
| U. | Piping (Suction)   |     |    |
| 1  | All piping to be stainless steel.  |     |    |

| MANUFACTURER COMPLIES |   | YES | NO |
|-----------------------|---|-----|----|
| 2                     | A six- (6) inch pump inlet (short suction tubes) shall be provided on each side of the apparatus with long handle and chrome plated caps.   |     |    |
| 3                     | Two (2) 2 1/2 inch gated inlets shall be provided. One (1) on the right side and one (1) on the left side of the apparatus with female swivel connections.  |     |    |
| 4                     | All inlets shall have removable strainers and chrome plated plugs with chains.  |     |    |
| 5                     | Suction and discharge lines of 2 1/2 inches or larger shall be heavy duty stainless steel threaded pipe or high-pressure wire reinforced.   |     |    |
| 6                     | Drain lines shall be plastic tubing. Copper is not acceptable.  |     |    |
| V.                    | Piping (Discharge)  |     |    |
| 1                     | Four- (4) 2 1/2 inch gated outlets installed behind the panel, with 30 degree down sweep elbows. <ul style="list-style-type: none"> <li><input type="checkbox"/> Two (2) on the left side of the apparatus.</li> <li><input type="checkbox"/> One (1) on the right side of the apparatus.</li> <li><input type="checkbox"/> One (1) on the right rear of the hose bed.</li> </ul> |     |    |
| 2                     | A 4-inch large diameter discharge to be located on the right side of the apparatus.   |     |    |
| 3                     | Two (2) outlets shall be installed in the center of the cross lay hose bed with swivel joints. <ul style="list-style-type: none"> <li><input type="checkbox"/> Two (2) 1 1/2 inch.</li> </ul>   |     |    |
| 4                     | One (1) 2 1/2 inch outlet with swivel mounted on left front side of bumper with gauge and control at pump panel.  |     |    |
| 5                     | All 2 1/2 inch and 1 1/2 inch outlets are controlled from the pump panel on the left side and are lockable in any position.   |     |    |
| 6                     | Each 2 1/2 inch and 1 1/2 inch discharges shall have low point one-quarter turn ball drain valves conveniently located.   |     |    |
| 7                     | All outlets are male and capped with 2 1/2 inch x 1 1/2 inch reducer with chrome plated 1 1/2 inch female caps with chains.   |     |    |
| 8                     | All valves on the apparatus shall be drop center "AKRON SWING OUT" type.  |     |    |
| W.                    | Pump Panel  |     |    |
| 1                     | All pump panel controls and gauges are to be located on the left side.  |     |    |
| 2                     | The controls shall be set in a full size stainless steel or aluminum panel covered with black vinyl.  |     |    |
| 3                     | Gauge panel to be hinged at the bottom for access.  |     |    |
| 4                     | Full right side pump panel to be fully hinged (left side).  |     |    |
| 5                     | The gauges shall be functionally grouped together and set in full size stainless steel or aluminum panel covered with black vinyl.  |     |    |
| 6                     | Intake and discharges shall be labeled, discharges shall also be color-coded.   |     |    |

|    | MANUFACTURER COMPLIES   | YES | NO |
|----|---|-----|----|
| 7  | All gauges shall be Class 1 brand.  |     |    |
| 8  | <p>Gauges shall include the following:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> One (1) – 4 1/2 inch dia. 30-0-600 for the pressure side of the pump.</li> <li><input type="checkbox"/> One (1) – 4 1/2 inch dia. 30-0-600 for the suction side of the pump.</li> <li><input type="checkbox"/> One (1) – 2 1/2 inch dia. 0-600 for the 4-inch outlet (large diameter discharge)</li> <li><input type="checkbox"/> Five (5) – 2 1/2 inch dia. 0-600. (one for each 2 1/2 inch outlet)</li> <li><input type="checkbox"/> Two (2) – 2 1/2 inch dia. 0-600. (one for each 1 1/2 inch outlet)</li> <li><input type="checkbox"/> One (1) fuel gauge.</li> <li><input type="checkbox"/> One (1) engine temperature gauge. (EFC)</li> <li><input type="checkbox"/> One (1) engine oil pressure gauge. (EFC)</li> <li><input type="checkbox"/> One (1) pump hour meter. (EFC)</li> <li><input type="checkbox"/> One (1) water proof tachometer. (EFC)</li> </ul> <p>**EFC = Detroit Electronic Fire Commander</p> |     |    |
| 9  | <p>Additional panel mounted equipment shall include the following:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> One (1) LED style water 4-level tank gauge.</li> <li><input type="checkbox"/> One (1) throttle to match DDEC IV / Detroit Electronic Fire Commander.</li> <li><input type="checkbox"/> Two (2) test gauge outlets.</li> <li><input type="checkbox"/> Two (2) underwriters half speed hand counter outlet.</li> <li><input type="checkbox"/> One (1) master pump drain valve; panel controlled.</li> <li><input type="checkbox"/> One (1) air horn button to be mounted on the panel.</li> <li><input type="checkbox"/> Thermal relief valve warning gauge / light.</li> </ul>  |     |    |
| 10 | Two- (2) full stainless steel light hoods with a minimum of three (3) bulbs. One (1) light hood located on the left side of the truck at pump operator's panel and the other located on the right side panel area.  |     |    |
| X. | <b>Booster Tank</b>   |     |    |
| 1  | The booster tank shall be a 1800-gallon capacity (minimum) UPF brand with unlimited lifetime manufacturer's warranty.   |     |    |
| 2  | Tank to be suitably baffled to prevent water surge when stopping or cornering.  |     |    |
| 3  | Tank shall be mounted with low center of gravity and correct load distribution.   |     |    |
| 4  | Tank shall be constructed to be independent of the body or compartment and shall be removable.  |     |    |
| 5  | Tank must be mounted on a suitable non-corrosive base material to prevent chaffing or direct contact with frame.  |     |    |
| 6  | A stack fill shall be located at left front of tank; minimum size fill six (6) inches in diameter.  |     |    |
| 7  | Stack fill to be equipped with removable screen and hinged cover.   |     |    |

|    | MANUFACTURER COMPLIES   | YES | NO |
|----|---|-----|----|
| 8  | Removable covers to be large enough to permit a man to enter all areas of the tank shall be provided in the top of the tank for cleaning and inspecting.  |     |    |
| 9  | Covers to have suitable gaskets to prevent leaking.   |     |    |
| 10 | The tank shall be connected to the intake side of the pump with a minimum of three- (3) inch inside diameter pipe.  |     |    |
| 11 | A three- (3) inch full flow line valve with remote control on the pump panel shall be provided.   |     |    |
| 12 | A check valve or device to eliminate surge on the tank shall be provided.   |     |    |
| 13 | One (1) 2 1/2 inch direct fill pipe (with elbow) to be located left side and One (1) 4 inch direct fill (with butterfly valve) on the right rear of the tank.   |     |    |
| 14 | A 1 1/2 inch or larger booster tank fill line shall be connected from the pump discharge directly to the tank with control valve on pump operator's panel.  |     |    |
| Y. | <b>Fuel Tank</b>  |     |    |
| 1  | The fuel tank shall be constructed of a welded material with a minimum capacity of 50 gallons.  |     |    |
| 2  | The fuel tank shall be provided with an easily accessible drain plug at the lowest level of the tank.   |     |    |
| 3  | Servicing the fuel tank pick up tubes and fuel gauge sending unit shall be accomplished without draining fuel or dropping tank. Access panels through compartments to be provided if necessary.                         |     |    |
| 4  | DEF Tank to be located on the left side.  |     |    |
| 5  | It must be securely fastened and mounted so as to prevent interference with angle of departure.   |     |    |
| 6  | The fill opening shall be large enough (minimum 1 1/2 inch) and located on the left side of the apparatus as to facilitate refueling safely while the apparatus is operating.   |     |    |
| 7  | The fill opening shall be conspicuously identified with the lettering "DIESEL FUEL."  |     |    |
| Z. | <b>Body Construction</b>  |     |    |
| 1  | The entire body, including hose compartments to be constructed of aluminum or 304 stainless steel. 3/16 thickness preferred.  |     |    |
| 2  | Interior of all compartments shall have a DA sanded finish.   |     |    |
| 3  | All equipment or component parts housed or enclosed by the body must be accessible.   |     |    |
| 4  | Side running boards, rear platform and walkway on top of side compartments, back of cab area adjacent to rider compartment and walkway to be covered by at least 1/8 inch thick non-skid aluminum tread plate material. |     |    |

| MANUFACTURER COMPLIES |  | YES | NO |
|-----------------------|--|-----|----|
| <b>5</b>              | Wheel wells to have inner liner and rubber wheel guards.   |     |    |
| <b>AA.</b>            | <b>Equipment Compartments</b>  |     |    |
| <b>1</b>              | Storage compartments located as follows shall be furnished. The actual sizes are to be stated by the manufacturer.   |     |    |
| <b>2</b>              | All compartments to have LED strip/rope lighting.  |     |    |
| <b>3</b>              | <b>RIGHT SIDE</b> of apparatus body ahead of rear wheels to be 1/2 height compartment with bottom of compartment to be full depth with sliding tray.   |     |    |
| <b>4</b>              | <b>RIGHT SIDE</b> of apparatus body above rear wheel to be full length of body with ladder/pike pole storage and hard sleeve trough above ladders.   |     |    |
| <b>5</b>              | <b>RIGHT SIDE</b> of apparatus body behind rear wheels to be 1/2 height compartment with bottom to be full depth.  |     |    |
| <b>6</b>              | <b>LEFT SIDE</b> of apparatus body ahead of rear wheels to be 1/2 height compartment with sliding tray.  |     |    |
| <b>7</b>              | <b>LEFT SIDE</b> of apparatus body behind rear wheels to be 1/2 height compartment.  |     |    |
| <b>8</b>              | <b>LEFT SIDE</b> of apparatus body above rear wheels to be full length enclosed with a full height/width hinged side opening door (for drop tank storage). The compartment will have Two (2) full size top hinged opening doors painted to match the body. |     |    |
| <b>9</b>              | All lower compartments to use roll-up door with Satin Aluminum finish.   |     |    |
| <b>10</b>             | Air bottle/pack compartments forward and aft of the wheel wells. Two (2) on the right side and One (1) on the left side (front) with doors, latches and drains. Each compartment to have paint guard behind each door.                                     |     |    |
| <b>11</b>             | Rear of Body to accommodate 10 inch rear dump (air controlled) with manual swivel (left/right) dump chute with flip over extension. Dump switch in the cab.  |     |    |
| <b>12</b>             | The storage compartments listed above to be vented and protected from wheel wash. Drip moldings should be provided over these compartments.  |     |    |

|            | MANUFACTURER COMPLIES  | YES | NO |
|------------|--|-----|----|
| <b>BB.</b> | <b>Hose Compartments</b>   |     |    |
| <b>1</b>   | <b>Individual hose compartments with dividers shall be provided to accommodate the following...</b>  |     |    |
| <b>2</b>   | <b>Three (3) bins (cross lays) installed as low as possible (not to exceed 66 inches from the bottom of the bins to the ground) over pump compartment to accommodate:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Two (2) bins for 200 feet of 1 ¾ inch hose double stacked 1 ½ inch swivel connections.</b></li> <li><input type="checkbox"/> <b>One (1) bin for 200 feet of 2 ½ inch hose single stacked with 2 ½ inch swivel connection. **NOTE: This 2 ½ inch bin is to the third bin back going left to right on the pump panel side.</b></li> </ul> |     |    |
| <b>3</b>   | <b>Rear hose bed to accommodate:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>1000 feet of 5 inch hose.</b></li> <li><input type="checkbox"/> <b>600 feet of 3 inch hose.</b></li> <li><input type="checkbox"/> <b>200 feet of 2 ½ inch hose preconnected.</b></li> </ul>  |     |    |
| <b>4</b>   | <b>Hose compartment located in the center of the extended front bumper to accommodate a minimum of 200 feet of 1 ¾ hose.</b>   |     |    |
| <b>5</b>   | <b>The body sides shall be the same height as the hose compartment dividers.</b>   |     |    |
| <b>6</b>   | <b>Hose compartments shall be furnished with aluminum slats.</b>   |     |    |
| <b>7</b>   | <b>The inside of hose compartments must be free of any obstructions or projections that might interfere with hose unloading.</b>   |     |    |
| <b>8</b>   | <b>The hose dividers and inside of the hose bed shall have a DA sanded finish.</b>   |     |    |
| <b>9</b>   | <b>Two (2) auxiliary stainless steel handrails are to be provided as follows:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Two (2) vertical at rear of beavertails. (one each side)</b></li> </ul>   |     |    |
| <b>CC.</b> | <b>Warning Equipment</b>   |     |    |
| <b>1</b>   | <b>The following warning and electrical equipment shall be installed.</b>  |     |    |
| <b>2</b>   | <b>An “e-Q2B” electronic siren mounted on the front bumper extension on the left side. (EQ2B-NN)</b>   |     |    |
| <b>3</b>   | <b>Foot controls (clamshell type) located in the floor for the siren. One on the driver’s side left, one on the officer’s side right.</b>  |     |    |
| <b>4</b>   | <b>Siren only functional when red lights are on.</b>   |     |    |
| <b>5</b>   | <b>One (1) Whelen LED light bar (6-R, 2-W, 2-RC).</b>  |     |    |
| <b>6</b>   | <b>Two- (2) LED 12 volt rear work light.</b>   |     |    |
| <b>7</b>   | <b>Four (4) FRC 12 volt LED floodlights with clear lenses shall be provided. One (1) light shall be adjustable height pole mounted on each side (front) of the body. One (1) light fixed mounted top/rear catwalk each side. On/Off switch in the cab area and on the pump panel (left side) for each light location.</b>  |     |    |

| MANUFACTURER COMPLIES |   | YES | NO |
|-----------------------|---|-----|----|
| 8                     | Two- (2) combination tail, stop directional lights and back-up lights shall be installed in the beavertails.  |     |    |
| 9                     | Two (2) Whelen L31HRFN LED Beacon (red) located to the outside of hose body.  |     |    |
| 10                    | LED lights in each enclosed compartment to automatically light when door is opened, along with NFPA 1901 Perimeter Lighting. (Perimeter Lighting to be tied into the parking brake. When brake is set perimeter lighting comes on.)                               |     |    |
| 11                    | Two (2) dome lights in the cab compartment shall be RED/WHITE with push button ON / OFF switch mounted with each light.   |     |    |
| 12                    | Two (2) LED strip lights (12 inches) clear cab doorstep access lights (one for each door entrance step) activated by push button switch in the cab door hinge area.   |     |    |
| 13                    | Clearance, marker, reflector and license plate brackets and light shall meet Federal Government Safety Standards and Virginia DOT.  |     |    |
| 14                    | Rear cluster marker lights shall be mounted in rear step.   |     |    |
| 15                    | One (1) FRC 12 volt LED visor light, front center of the cab with an on/off switch in the cab and at the pump panel.  |     |    |
| 16                    | One (1) automatic back-up alarm system shall be installed.  |     |    |
| 17                    | Two- (2) Grover 1501 air horns to be mounted outside each frame rail in the front bumper. One (1) on each side with bell flush bumper opening. Horns to be furnished with left and right side clamshell floor switch.   |     |    |
| 18                    | One (1) flexible extended map light to be mounted on the dash in front of the officer's seat.   |     |    |
| 19                    | One (1) open door indicator light wired to all body and cab compartment doors. Light shall be a minimum of 4 inches in diameter.  |     |    |
| 20                    | Two (2) Whelen medium red flashing LED lights, one (1) each side mounted above the rear wheels.   |     |    |
| 21                    | One (1) LED 12 volt strip light to be mounted front/top of the hose bed.  |     |    |
| 22                    | One (1) LED Directional Light, 12 volts, shall be furnished and mounted center rear (not recessed). Light to have heavy gauge aluminum tread plate protective cover above the light. Master control to be mounted in the cab convenient to the driver's position. |     |    |
| DD.                   | Hard Suction Hose   |     |    |
| 1                     | Two (2) 10-foot lengths of six (6) inch clear/flexible light weight hard suction hose with lightweight female couplings on one end and ROCKER LUG male couplings on the other end. (NST)  |     |    |
| 2                     | Hard suction hose to be mounted in "V" shaped hose troughs, one (1) on the right side above the ladders and one (1) on the left side above the portable drop tank.  |     |    |
| 3                     | Hose shall be secured with spring mounted latch handles.  |     |    |

|            | MANUFACTURER COMPLIES  | YES | NO |
|------------|--|-----|----|
| <b>EE.</b> | <b>Finish</b>  |     |    |
| <b>1</b>   | All exposed surfaces not chrome plated or polished shall be thoroughly cleaned and prepared prior to priming.  |     |    |
| <b>2</b>   | All irregularities in painted surfaces shall be rubbed down before the application of the finishing coats.   |     |    |
| <b>3</b>   | Finish coat shall be white (White-FNLA 4041).  |     |    |
| <b>4</b>   | Standard Roanoke County Fire and Rescue seal to be installed by manufacturer on both cab doors. (seals furnished by Roanoke County)  |     |    |
| <b>5</b>   | Chassis and body undercarriage to be painted black.  |     |    |
| <b>6</b>   | Chassis and body white Scotchlite “safety stripe” shall be centrally located and shall contour with the chassis in compliance with NFPA 1901 Standard. Stripe to be top to bottom: One inch stripe, One inch space, Six inch stripe, One inch space, One inch stripe.  |     |    |
| <b>FF.</b> | <b>Miscellaneous</b>   |     |    |
| <b>1</b>   | Two (2) wheel chocks complete with mounting brackets.  |     |    |
| <b>GG.</b> | <b>Equipment</b>   |     |    |
| <b>1</b>   | <p>Equipment listed to be supplied with mounting hardware/brackets. Bidder to mount most of the equipment in locations to be determined at pre-construction meeting.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> One (1) 6 inch barrel strainer – lightweight NST, AKRON Style 340 or equivalent.</li> <li><input type="checkbox"/> One (1) six, One (1) 8-foot pike poles with fiberglass handles.</li> <li><input type="checkbox"/> One (1) Duo Safety 24 foot, 2-section extension ladder.</li> <li><input type="checkbox"/> One (1) Duo Safety 14 foot roof ladder.</li> <li><input type="checkbox"/> One (1) Duo Safety 10-foot attic ladder. (folding type)</li> </ul> |     |    |