

**County of Otero Purchasing**  
1101 New York Ave., Room 118  
Alamogordo, NM 88310  
(575) 434-0710  
FAX (575) 443-2914



**Sealed Bid 13-031**  
**Fire Apparatus for Pinon VFD**  
**Bid Deadline: Wednesday, June 26, 2013 @**  
**2:00 PM**

**Procurement Agent: Ginger Herndon**

## INVITATION FOR BIDS

THE COUNTY OF OTERO IS REQUESTING COMPETITIVE SEALED BIDS FOR THE FOLLOWING GOODS OR SERVICES:

**TITLE: PINON FIRE APPARATUS**  
**BID NO.: 13-031**  
**OPEN: WEDNDSDAY, June 26, 2013 @ 2:00 P.M. local time**

FOR ADDITIONAL INFORMATION CONTACT:

GINGER HERNDON PURCHASING AGENT  
PHONE: (575) 434-0710

THE OFFICE OF THE PURCHASING AGENT, COUNTY OF OTERO WILL RECEIVE COMPETITIVE SEALED BIDS FOR THE GOODS OR SERVICES DESCRIBED IN THIS BID AT:

**VIA MAIL**  
OTERO COUNTY PURCHASING  
1101 NEW YORK AVE. ROOM 118  
ALAMOGORDO, NM 88310

**HAND CARRIED**  
OFFICE OF THE PURCHASING AGENT  
1101 NEW YORK AVE. ROOM 118  
ALAMOGORDO, NM 88310

ANY BIDS RECEIVED AFTER BID OPENING DATE/TIME WILL BE RETURNED UNOPENED. PLEASE USE THE ENCLOSED MAIL LABEL ON THE OUTSIDE OF YOUR ENVELOPE.

***NOTE: USE OF THE MAIL SERVICE IS AT YOUR OWN RISK FOR PROPER DELIVERY.***

DUE DATE, Wednesday, June 26, 2013 @ 2:00 PM

Having carefully examined the notice to bidders, general instructions to bidders, terms and conditions, supplemental terms and conditions, and project specifications, addenda(s), the site of the work, the work on the above-named project, the undersigned hereby proposes to furnish all materials, labor, equipment, tools, transportation, services, licenses, fees, permits, etc. (not including New Mexico Gross Receipt Taxes or any additive alternates) required by said documents and to complete all divisions of the work stipulated. The Board reserves the right to reject any or all bids and waive any/all formalities.

**SEE ATTACHED SPECIFICATIONS FOR COMPLIANCE**

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

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

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

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

EMAIL: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

RECEIVED ADDENDA NUMBERS: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, WHEN ISSUED.

IN STATE PREFERENCE NO: \_\_\_\_\_

## SUPPLEMENTAL TERMS AND CONDITIONS

THESE SUPPLEMENTAL TERMS AND CONDITIONS ARE IN ADDITION TO THE GENERAL INSTRUCTIONS, TERMS AND CONDITIONS AND, IN THE EVENT OF A CONFLICT BETWEEN THE PROVISIONS OF THE GENERAL INSTRUCTIONS, TERMS AND CONDITIONS AND THESE SUPPLEMENTAL TERMS AND CONDITIONS, THE PROVISIONS OF THESE SUPPLEMENTAL TERMS AND CONDITIONS SHALL CONTROL.

**GUARANTEED PERFORMANCE:**

THE BIDDER, IF AWARDED A CONTRACT AS A RESULT OF THIS BID, GUARANTEES THAT THE MATERIALS SUPPLIED ARE CAPABLE OF THE PERFORMANCE REQUIRED IN THE SPECIFICATIONS IN THIS BID, AND AGREES TO MAKE SUCH CHANGES, ADJUSTMENTS OR REPLACEMENTS AS ARE IMMEDIATELY NECESSARY IN ORDER FOR THE MATERIALS TO MEET THE PURCHASING REQUIREMENTS AT NO COST TO THE COUNTY. IF DEFECTS OR SPECIFICATION FAILURES ARE DISCOVERED, THE PURCHASING OFFICER SHALL HAVE THE RIGHT, NOTWITHSTANDING ACCEPTANCE AND PAYMENT TO REQUIRE THE UNIT/ITEM TO BE PROPERLY FURNISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS AT THE COST AND EXPENSE OF THE BIDDER OR THE BIDDER'S SURETY.

**INSPECTION OF MATERIALS:**

THE COUNTY RESERVES THE RIGHT TO INSPECT MATERIALS PROVIDED BY THE BIDDER THROUGH A CONTRACT RESULTING FROM THIS BID TO DETERMINE THEIR QUALITY, FITNESS AND SUITABILITY. INSPECTION OF THESE MATERIALS MAY BE CONDUCTED WHENEVER THE COUNTY CONSIDERS NECESSARY.

**MANUFACTURER'S INFORMATION:**

ANY BID MADE IN RESPONSE TO THIS INVITATION MUST INCLUDE THE MANUFACTURER'S MAKE AND MODEL NUMBER (AS APPLICABLE) OF EACH ITEM AND LITERATURE CLEARLY DESCRIBING THE ITEM. FAILURE TO PROVIDE THIS INFORMATION MAY RESULT IN REJECTION OF THE BID.

**MATERIALS AND WORKMANSHIP:**

ALL MATERIALS FURNISHED BY THE BIDDER SHALL BE FREE FROM DEFECTS AND IMPERFECTIONS. WORKMANSHIP SHALL BE IN ACCORD WITH THE BEST INDUSTRY STANDARDS AND PRACTICES. BOTH MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY.

**BRIBES, GRATUITIES, AND KICKBACKS:**

THE PROCUREMENT CODE, SECTIONS 13-1-28 THROUGH 13-1-199, NMSA, 1978 IMPOSES CIVIL AND CRIMINAL PENALTIES FOR CODE VIOLATIONS. IN ADDITION THE NEW MEXICO CRIMINAL STATUTES IMPOSE FELONY/PENALTIES FOR ILLEGAL BRIBES, GRATUITIES AND KICKBACKS.

## COUNTY OF OTERO INVITATION FOR BIDS

### GENERAL INSTRUCTIONS, TERMS AND CONDITIONS

**IMPORTANT: READ CAREFULLY BEFORE SUBMITTING BIDS. FAILURE TO DO SO SHALL NOT ABSOLVE THE BIDDER FROM RESPONSIBILITY TO PERFORM OR DELIVER AS SPECIFIED.**

1. **APPLICABILITY:** Except as otherwise specifically provided in this bid, these General Instructions, Terms and Conditions shall govern the procurement of the items specified in this bid. In the event of a conflict between these General Instructions, Terms and Conditions, Supplemental Conditions or the specifications of this bid, the order of application shall be the Specifications, Supplemental Conditions and the General Instructions, Terms and Conditions. In addition, the Public Purchases Ordinance and promulgated Rules and Regulations shall apply.
  
2. **DEFINITIONS:** As used in this bid, the definitions of the Public Purchases Ordinance apply including the following.
  - A. **"Bid"** means all documents, including those attached or incorporated by reference, issued by the Purchasing Department for soliciting offers to provide goods, services or construction.
  
  - B. **"Contract"** means any agreement for the procurement of goods, services, construction or concessions. A Purchase Order issued in response to an offer constitutes a contract.
  
  - C. **"Contractor"** means an offerer who has been awarded a contract.
  
  - D. **"County"** means the County of Otero, New Mexico.
  
  - E. **"Purchase Order"** means a document issued by the Purchasing Office directing the Contractor to deliver goods, services or construction.
  
  - F. **"Purchasing Office"** means the Purchasing Department of Otero County.
  
  - G. **"Purchasing Agent"** means the person charged with the responsibility of administering the Department.
  
  - H. **"Bidder"** means a business that submits a response to a competitive solicitation.



- I. **"Responsible Bidder"** means a business which has the capability in all respects to perform fully the contract requirements set out in the competitive solicitation, and the integrity and reliability which will assure good faith performance, and who has not violated or attempted to violate any provision of law or ethical conduct. Factors which may be considered in determining the offeror's capability to perform, among others, are its financial resources, production or service facilities, service reputation and experience.
- J. **"Responsive Bid"** means a written offer to furnish goods, services or construction in conformity with standards, specifications, delivery terms and conditions, and all other requirements established in a competitive solicitation.
- K. **"Successful Bidder"** means the lowest Responsible Bidder to whom Otero County, on the basis of the County's evaluation, makes an award. A Successful Bidder does not become a contractor until a purchase order is signed by the County.

3. **INSTRUCTIONS TO THE BIDDER**

Sealed Bids are desired from reputable manufacturers of automotive fire apparatus in accordance with the specifications for the apparatus as per attached. These specifications are assumed to be compliant with all current NFPA standards. ***If the vendor knows otherwise, the vendor will notify Otero County Purchasing immediately.***

The apparatus shall meet the detailed requirements of the most current and applicable NFPA Standard and these specifications and any special provision that may be attached.

Pursuant to Sec 13-1-188 NMSA, 1984 Comp., any state agency shall only purchase cars and trucks assembled in North America.

Any exceptions to the bid shall be listed separately and specifications attached are minimum requirements. The specifications submitted herein are all that were available to the Purchaser at the time of this mailing. Minor deviations to the specifications as listed, may be considered.

The apparatus shall be designed to meet the specified rating at 8,000 feet altitude and shall be subjected to off road use; thus engineering, design, and fabrication must allow for the additional stress and strain.

- A. Submission: All Bids must be submitted on the Invitation for Bids form enclosed. Failure to do so may disqualify your offer. It is the responsibility of the bidder to submit sufficient additional information to allow for a thorough evaluation of the bid submitted.
- B. Preparation Method: All information required in this Bid must be typewritten or handwritten in ink and must be legible. Erasures or other changes must be initialed by the person signing the offer. Each bid must be signed on the appropriate pages by an individual authorized to bind the bidder submitting the bid.
- C. Unit Prices: The unit price for each item offered shall be shown unless otherwise specified. In the case of a discrepancy between the unit price and the extended price, the unit price will govern in determining the price used for evaluation. Unit prices offered should be for the units specified.
- D. Delivery Time: Delivery time stated in the specifications shall apply. Deviations by the bidder shall be stated. Time, if stated in number of days, will be consecutive calendar days.
- E. Payment Terms: The Invitation for Bids form provides space for the bidder to identify the payment terms that the bidder is offering. Terms of less than twenty (30) days will not be considered. The discount term shall not begin until the goods, services or construction have been delivered and accepted and the correct invoice received in the County Accounts Payable Office.
- F. Freight Policy: Freight will be F.O.B. Destination (As indicated on the Invitation for Bids form), Freight Prepaid, unless otherwise specified in this Bid.
- G. Taxes: Bidders shall not include any applicable gross receipts taxes in its offered price, unless specified otherwise in this bid, and such offer will be construed in the manner. The County will, under appropriate circumstances, furnish a non-taxable transaction certificate. Determination of whether the tax is due and payment of the tax is the responsibility of the bidder. Applicable taxes are to be included in each invoice due and may not be billed more than sixty (60) days after providing the services to which the taxes apply.
- H. New Material, Etc.: All materials, supplies, equipment, and vehicles specified in this Bid shall be new, the latest in production and manufactured within the last twelve (12) months (computed from the date and time of offer opening) unless otherwise indicated. This does not apply to materials, supplies, equipment or vehicles used by the Contractor to provide the required items of tangible personal property, services or construction.

- I. Warranty: The bidder agrees that the items of tangible personal property, services or construction furnished under any contract resulting from this bid shall be covered by the most favorable commercial warranties the bidder gives to any customer for such items. Further, the bidder agrees that the rights and remedies provided in such warranties extend to the County and are in addition to and do not limit any rights afforded to the County by any other clause of this bid. The bidder agrees not to disclaim warranties of fitness for a particular purpose of merchantability. Warranties shall become effective at the time of acceptance.
- J. Equivalent Bids: Where a product is characteristic of a sole manufacturer, or where a brand name is indicated in the specifications, it shall be defined to mean "minimum acceptable level" or "minimum quality required" by the County unless the specifications state that no substitutions or equivalents will be allowed. If the bidder offers an item other than the one specified, which the bidder considers comparable, the manufacture's name and model number of that item must be specified in the bid and sufficient performance specification and descriptive data provided to permit a thorough evaluation. Failure to provide the appropriate information may result in disqualification of the bid.
- K. Exception to Specifications: Bidders are to state any exceptions taken to this bid the bidder is required to furnish the items exactly as specified and to comply with all other requirements of this bid. The bidder shall clearly note the variances and provide adequate documentation of proof that the alternate meets or exceeds specifications.
- L. Indemnity: The bidder to whom an award has been made as a result of this bid expressly agrees to defend, indemnify and save harmless the County and its officer, agents and employees from and against any and all claims, suits, demands, actions, or proceedings of every nature and description brought because of any injury or damage received or sustained by any person, persons, or property arising out of the bidder's providing the goods, services for construction pursuant to the bid or by reason of any act or omission, neglect or misconduct of the bidder, the agents, employees or subcontractors of the bidder or the agents or employees of any subcontractor of the bidder. The indemnity required herein shall not be limited by reason of the specification of any particular insurance coverage.
- M. Patent Indemnity: If any item furnished pursuant to any contract resulting from this bid shall be covered by any patent, copyright, or application for patent or copyright, the bidder shall defend, indemnify and save harmless the County from any and all loss, cost or expense or any and all claims suits, or judgments as a result of the use of such item in violation of rights under such patent, copyright, or application for patent or copyright.

- N. Public Inspection: Each bid shall be open to public inspection, except to the extent the bidder designates trade secrets or other proprietary data to be confidential. Material so designated shall accompany the bid and each page shall be clearly marked and readily separable from the bid in order to facilitate public inspection of the non-confidential portion of the bid. Prices and makes and models or catalog numbers of the items offered, deliveries and terms of payment shall be publicly available at the time of the opening of the bid regardless of any designation to the contrary. The County shall endeavor to restrict distribution of the material designated as confidential to only those individuals involved in the review and analysis of the bids. Bidders are cautioned that materials designated confidential may nevertheless be subject to disclosure to any New Mexico citizen under the Inspection of Public Records Act (Sections 14-2-1 through 14-2-3 N.M.S.A. 1978)
- O. Material Safety Data Sheets: To comply with the Occupational Health and Safety Regulation 1910.1200 for general standards on handling hazardous materials, material safety data sheets may be required for all or part of the products included on this bid. It is the responsibility of the bidder to make this determination and, if required, a copy of the MSDS must accompany the product when delivered to the end user. Failure to comply with this requirement may cause the delivery of products to be rejected and all costs related to such action to be borne by the bidder.
- P. Pursuant to Sec 13-1-131 NMSA, 1984 Comp., as amended, Otero County reserves the right to reject any and all bids, whole or in part, submitted hereunder, provided that such rejections shall be accompanied by a written statement declaring the reason for the rejections.
- Q. Each bidder shall supply a blueprint drawing of the apparatus being proposed.
- R. If the awarded company fails to deliver the apparatus and equipment within the time specified, it is understood and the company agrees to the amount of one hundred dollars (\$100.00) per unit, per day for each calendar day any work remains incomplete, to a maximum of the contract price may be deducted from the moneys due the contractor, not as a penalty, but as liquidated damages.
- S. Bid proposal shall be accompanied by a certified check, Cashier check, or surety bond in the amount of ten (10) percent of the total price of the bid. The bid surety shall be made payable to this agency and conditioned upon the successful bidder accepting award and submitting an acceptable performance bond. In the event of failure of refusal to comply, the bid surety may be forfeited as liquidated damages because of such failure of default.
- T. Within fourteen (14) calendar days after the official notification of award, the successful bidder shall furnish a performance bond, which is equal to 100% of contract price. The successful bidder and surety shall agree to bind themselves their successors, executors, administrators and assigns, jointly and severally to deliver the fire apparatus to the specifications, general conditions and to the

purchase order. This bond shall remain in force until vehicle and equipment have been delivered and accepted. Failure to deliver any part of the order to terms above may be considered by the purchaser as a breach of contract, in which case the fire apparatus and equipment may be rejected and the purchaser has the right to require forfeiture of the full amount of the performance bond as liquidated damages. The attorney's-in-fact, who signs the bonds, must file with the bonds a certificate copy of their power of attorney to sign such bonds.

- U. The awarded vendor is responsible for reporting all test results to the New Mexico State Fire Marshal's Office.
- V. A minimum of \$1,000,000.00 product liability insurance shall be provided and shall show the breakdown of:
  - General Aggregate (other than products, completed operations)
  - Products/completed operation aggregate
  - Personal and Advertising injury
  - Each Occurrence per Location
  - Umbrella/Excess Liability
- W. Please be advised, this contract is null and void if the apparatus does not meet all the requirements stated in the current applicable NFPA Standard.
- X. All purchases are governed by the statutes of the State of New Mexico and the regulations of Otero County.
- Y. The awarded bidder shall guarantee for the minimum of period of one (1) year that all new equipment furnished under these specifications shall be free from defects. The vendor shall repair or replace all such defective equipment F.O.B., fire station site. Each bidder must furnish satisfactory evidence of his ability to have warranty work done and where work is to be done.
- Z. Each bidder shall furnish satisfactory evidence of their ability to construct the apparatus as specified and shall state the number of years the company has been actively engaged construction like or equal apparatus's. The location of the factory shall be disclosed.

You signature on the completed bid form will serve as a warranty that your bid is genuine and you agree with all contract provisions. A performance bond may be requested; no charge will be assessed to the County.

4. ETHICAL CONDUCT: By submitting its bid in response to this invitation, the bidder certifies that:

- A. It has not offered, given or agreed to give to any County employee or former employee, a gratuity or offer of employment to influence the preparation of or recommendation of award of this bid;
- B. It has not retained a person or solicited or secured a County Contract for a contingent fee;
- C. It has not taken any action in restraint of free competitive bidding in connection with this bid;
- D. It has not in any way violated the ethical conduct or other provisions of the County's Public Purchases Ordinance; and
- E. It currently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with its performance of any contract resulting from this bid.

5. REQUESTS FOR EXPLANATIONS BY BIDDERS:

- A. Requests for Explanation: Any explanation desired by the bidder regarding the meaning or interpretation of specifications or any part of this bid must be requested in writing and received in the Purchasing Department not less than five (5) working days before the bid opening date.
- B. Response to Bids: Oral explanations or instructions given prior to the opening of the offer shall not be binding. The Purchasing Department must issue any official explanations, in writing.

6. ADDENDA:

Addenda: Changes or amendments to specifications, conditions or provisions herein may be initiated ONLY through the Purchasing Department in the form of a written addendum.

Any addenda shall become a part of this bid and should be acknowledged either by being signed and returned with the bid or through letter or telegram that arrives prior to the opening of the bid. Failure to do so may result in disqualification of the bid.

It is the responsibility of all vendors considering making a bid in response to this invitation to ensure that they have received all addenda prior to making a bid. Bidders may contact the Purchasing Department to obtain information regarding any addenda issued. Failure to obtain an addendum shall not be grounds for overturning a recommendation of award.

7. CLARIFICATION OF BIDS:

The County may, in the evaluation of bids, request clarification from bidders regarding their bid, obtain additional material or literature, and pursue other avenues of research as necessary to insure that a thorough evaluation is conducted.

8. SUBMISSION OF BID:

- A. Time: Bids not received by the time and date indicated on the Invitation for Bids will not be accepted, and will be returned unopened.
- B. Hand Carried: Bids may be hand carried to the Purchasing Department at 1101 New York Ave., Room 118, Alamogordo, New Mexico.
- C. Mailed: Bids may be mailed to the attention of the Purchasing Department, County of Otero, 1101 New York Ave., Room 118, Alamogordo, New Mexico 88310. The County shall not be responsible for bids that are mailed and not received by the opening date and time specified in the solicitation.
- D. Envelope Preparation: The envelope/package containing a bid must be sealed and the following identifying information legibly written or typed on the outside.
  - 1). Name of Bidder
  - 2). Bid Number assigned by the County to the Invitation for Bids
  - 3). Opening date as identified on the bid or subsequent addenda
- E. **No Other Methods of Bid Delivery: Neither telephone, telegraphic, nor facsimile bid shall be accepted.**

9. EQUAL OPPORTUNITY COMPLIANCE/WORKERS' COMPENSATION:

Otero County does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in the employment or the provisions of services. The "Contractor" agrees to comply strictly with the policies of "County", as well as all Federal and State Laws pertaining to Equal Employment Opportunity, including the Americans with Disabilities Act, and will not discriminate against any person or deny any person participation or benefit from the performance of this Agreement as a result of any discriminatory action. The "Contractor" agrees to comply with State Laws and rules applicable to workers' compensation benefits for its employees. If the "Contractor" fails to comply with the Workers' Compensation Act and applicable rules when required to do so, the "County" may terminate this agreement.

10. OSHA REQUIREMENTS IN EMPLOYMENT:

Otero County shall contract with Companies or Firms whose operators and equipment meet OSHA (Occupational Safety and Health Administration) standards in their field of expertise.

11. WITHDRAWAL OF BIDS:

A bid may be withdrawn in person at any time BEFORE the scheduled opening of bids, provided a receipt for the withdrawn bids is signed by the bidder or the bidder's authorized representative. The County reserves the right to request proof of authorization to withdraw a bid.

12. OPENING OF BIDS:

Time and Place: Bids will be opened by the Purchasing Department at the time and place identified in this Bid. Openings are open to the public. Bidders are encouraged to attend.

13. DISQUALIFICATION OF BID:

The County reserves the right to reject a bid for, including but not limited to, any one or more of the following circumstances:

- A. In the past the bidder has failed to comply with previous contractual commitments or bids to the County.
- B. In the opinion of the County the bidder is not capable of providing the offered goods, services, or construction as offered or required by the bid or is otherwise not a responsible bidder.
- C. The bidder has not provided sufficient or detailed information which allows for the evaluation of the bid.
- D. In the opinion of the County the offered prices are higher than the prices for which the specified items or services can be purchased on the open market.
- E. The bidder failed to properly fill in any space on the Invitation for Bids form and attached documents where information or a signature is required.
- F. The bidder did not; at the time the bid is made, have an appropriate New Mexico Contractor's License or Certification when one is required by law, regulation or this Bid.
- G. The bidder failed to submit with their bid, bid bonds or other material requirements of the Bid or has otherwise submitted a non-responsive bid.

- H. There are unauthorized additions, conditions, alternate proposals or other irregularities of any kind which might make the bid incomplete, indefinite or ambiguous in meaning.
- I. Bid was not submitted in ink or typewritten or there is any erasure or alteration of words or figures relating to pricing which is not initialed in ink by the bidder.
- J. The County determines that a bid contains any misrepresentations whatsoever.

14. REJECTION/CANCELLATION OF BIDS:

Any solicitation, prior to opening or after opening, may be canceled or any or all bids may be rejected in whole or in part when it is in the best interest of the County.

15. MINOR OR TECHNICAL IRREGULARITIES:

Minor or technical irregularities in a bid, when there is no effect on price, quality or quantity may be waived and clerical errors in a bid may be corrected, if permitted by the Purchasing Officer and are in the best interest of the County.

16. NONCONFORMING/CONDITIONAL, OR COUNTER BIDS:

A bid which is nonconforming or conditional, whether in part or in whole will be rejected.

17. BID ANALYSIS:

The County reserves the right to analyze, examine and interpret any bid for a minimum period of sixty (60) consecutive calendar days, after the scheduled time for the opening of bids. Bids may not be rescinded during this period except for good cause and with the written approval of the Purchasing Officer. In those situations where the analysis/evaluation exceeds the sixty (60) calendar days, bidders may withdraw their bids from consideration.

18. AWARD OF CONTRACT:

- A. When Award Occurs: The award of a contract occurs when a Purchase Order is issued or other evidence of acceptance by the County is provided to the bidder. A Recommendation of Award does not constitute award of contract.
- B. Award: If a contract is awarded, it shall be awarded to the responsive and responsible bidder whose bid is lowest in total price and is the most advantageous to the County, specifications and other factors considered.

- C. Basis of Award: The County reserves the right to award a contract based on this Bid in total or by group of items, on the basis of individual items, or any combination of these, which in the judgment of the Purchasing Officer, best serves the interests of the County, unless otherwise stated in this Bid.
- D. Contract Changes: In no case shall a contract be changed without the prior written approval of the Purchasing Officer.
- E. To qualify for the five percent (5%) in state Resident Preference, the bidder must provide their assigned Resident Certification Number with their bid (an appropriate place is designated in the Bid Form). If a bidder does not provide their assigned Resident Certification Number with their bid, the bid shall not be considered as made by a resident business or a resident manufacturer and no preference shall be applied during the analysis of that bid.

**NOTE:** Your State Tax Number is NOT your Resident Certification Number.

19. PROTEST PROCESS:

- A. Any bidder who is aggrieved in connection with a solicitation or award of an Agreement may protest to the County of Otero Purchasing Agent in accordance with the requirements of the County of Otero's Procurement Regulations and the State Procurement Code. The protest should be made in writing within 24 hours after the facts or occurrences giving rise thereto, but in no case later than 15 calendar days after the facts or occurrences giving rise thereto.
- B. In the event of a timely protest under this section, the Purchasing Agent and the County of Otero shall not proceed further with the procurement unless the Purchasing Agent makes a determination that the award of Agreement is necessary to protect substantial interests of the County of Otero (13-1-173 NMSA 1978).
- C. The Purchasing Agent or his designee shall have the authority to take any action reasonably necessary to resolve a protest of an aggrieved bidder concerning procurement. This authority shall be exercised in accordance with adopted regulations, but shall not include the authority to award money damages or attorney's fees (13-1-174 NMSA 1978).
- D. The Purchasing Agent or his designee shall promptly issue a determination relating to the protest. The determination shall:
  - 1) State the reasons for the action taken; and
  - 2) Inform the Protester of the right to judicial review of the determination pursuant to 13-1-183 NMSA 1978.

- E. A copy of the determination issued under 13-1-175 NMSA 1978 shall immediately be mailed to the Protestant and other bidders involved in the procurement (13-1-176 NMSA 1978).

20. DELIVERY, ACCEPTANCE AND GUARANTEE:

- A. No Delivery Before Purchase Order is Issued: No bidder, including the bidder to whom an award is made shall deliver any item of tangible personal property, commence services or construction prior to the Issuance of a Purchase Order or Notice to Proceed issued by the County Purchasing Department.
- B. Cancellation for Non-Delivery: The County reserves the right to cancel any order not delivered by a guaranteed date stipulated in this bid or any contract resulting from this invitation without liability on the County's part.
- C. Acceptance of Delivery: Acceptance by the County of any delivery shall not relieve the Contractor of any guarantee or warranty, expressed or implied. Such acceptance of delivery shall not be considered an acceptance of services or materials not in accordance with the specifications. Such acceptance of delivery shall not waive the County's right to require replacement of defective material or inadequate service.

21. INSPECTIONS:

- A. Prior To Acceptance of Delivery: All items of tangible personal property, services or construction shall be provided exactly as offered, and may be inspected prior to acceptance of delivery by the County.
- B. Inferior Materials, Etc.: All items of tangible personal property, services or construction found inferior to the quality specified in this Bid, deficient or incorrect in weight, measurement, workmanship, handicraft or otherwise, may be rejected as a whole or in part and then shall be removed by the Contractor at the Contractor's own risk and expense promptly after notice of rejection. The Contractor shall assume responsibility for taking the necessary action to correct or replace the rejected items, within the time frame specified in the notice of rejection.

22. INVOICE AND PAYMENTS:

The Contractor shall submit an accurate invoice, in duplicate, for each purchase. Invoices shall refer to the Purchase Order Number, the Release Form Number if applicable, and shall be itemized unless otherwise specified in this Bid. Invoices are to be mailed to: Otero County Accounts Payable, 1101 New York Ave., Alamogordo, New Mexico 88310. Invoices mailed or provided to any other entity will result in a delay in

making payment. Offerors are encouraged to inquire if payments due are not received within thirty (30) days after delivery of goods/services and submittal of invoice by contacting the Accounts Payable at (575) 437-7427

23. DEFAULT/TERMINATION FOR CAUSE:

If, through any cause, the Contractor fails to fulfill the Contractor's obligations under any contract resulting from this Bid in a timely and proper manner, or if the Contractor violates any of the covenants, agreements or stipulations of such contract, the County shall notify the Contractor of such violations in writing and allow the Contractor a reasonable time, set out in the notice, to correct the default. If the default is not corrected within the specified time period the County shall have the right to cancel the contract and any or all other current contracts with the Contractor, and, if applicable, to purchase the required goods or services from another source or sources. The County shall provide written notice to the Contractor specifying the effective date of cancellation. The notice of cancellation may be contained in the notice of default.

If a contract resulting from this Bid is canceled, the Contractor shall not be relieved of liability to the County for damages caused by its breach of the contract. The County reserves the right to recover such damages, including but not limited to any excess cost incurred in having to purchase contract goods/services from other sources by a deduction from an unpaid balance due to the Contractor, collection against a performance or labor and materials payment bond, a combination of these remedies, or any other legal method available. In addition, the Contractor may be removed from the Purchasing Office Vendor List or determined to be ineligible to respond to future solicitations, as being not responsible.

24. TERMINATION FOR THE CONVENIENCE OF THE COUNTY:

The County may terminate any contract resulting from this Bid at any time by giving at least thirty (30) days' notice in writing of such termination to the Contractor. In such event, the Contractor shall be paid under the terms of the contract for all goods/services provided to and accepted by the County, if ordered or accepted by the County prior to the effective date of termination.

25. TERMINATION FOR LACK OF APPROPRIATIONS:

Funding for the contract resulting from this Bid has been appropriated by the County Commission for the County's current fiscal year. Notwithstanding any other provisions in the contract resulting from this Bid, its continuation beyond the end of the any fiscal year is contingent on the County Commission making the appropriations necessary to fund the contract. If sufficient appropriations are not made the contract may be terminated at the end of the County's then current fiscal year upon written notice given by the County to the Contractor. Such termination shall not constitute a default. All payment obligations of the County and all of its interest in the contract will cease upon the date of termination. The County's decision as to whether sufficient appropriations are available shall be accepted by the Contractor and shall be final.

26. CAMPAIGN CONTRIBUTION FORM

In accordance with Appendix C, Offerors must comply with 13-1-191.1 pertaining to the disclosure of campaign contributions to an applicable public official of a local public body.

**Offeror(s) shall submit the “Campaign Contribution Disclosure Form” with their proposal submittal. Any Offeror who fails to comply with this requirement will be disqualified, no exceptions.**

Sealed Bid #13-031

Opening Date: 6/26/13  
Time: 2:00 PM

**B I D F O R M  
F I R E A P P A R A T U S  
P I N O N  
V O L U N T E E R F I R E D E P A R T M E N T**

\*\*SEE ATTACHED SPECIFICATIONS---

BID: \_\_\_\_\_  
YEAR, MAKE & MODEL

WARRANTY: \_\_\_\_\_

DELIVERY DATE: \_\_\_\_\_

SERVICE: \_\_\_\_\_  
LOCATION OF AVAILABLE SERVICE

THIS OFFER IS GOOD FOR A PERIOD OF: (MINIMUM 60 DAYS) \_\_\_\_\_

**TOTAL PRICE:\$** \_\_\_\_\_

\_\_\_\_\_  
PRINT NAME OF AUTHORIZED REPRESENTATIVE

\_\_\_\_\_  
SIGNATURE OF AUTHORIZED REPRESENTATIVE/DATE

EMAIL ADDRESS: \_\_\_\_\_

\_\_\_\_\_  
INSTATE PREFERENCE NUMBER

---

**OTERO COUNTY PURCHASING  
TERMS & CONDITIONS  
UNLESS OTHERWISE SPECIFIED.**

1. **BIDS ARE TO COMPLY WITH ALL INSTRUCTIONS AND PROVIDE THE INFORMATION REQUESTED. FAILURE TO DO SO MAY DISQUALIFY YOUR BID.** All bid items are to be NEW and of most current production, unless otherwise specified.
2. Samples of items, when required, must be furnished free of expense prior to the opening of bids and if not destroyed, will, upon request, be returned at the bidders expense.
3. Prices should be stated in units or quantity specified, with packing included. All deliveries will be F.O.B. Alamogordo, NM unless otherwise specified.
4. Time or proposed delivery must be stated in definite terms. If time varies for different items, the bidder should so state.
5. Time of delivery shall be stated as the number of calendar days following receipt of the order either verbally or in writing, whichever is received first by the vendor, to receipt of the goods or services by Otero County.
6. Time of delivery may be a consideration in the award.
7. **Envelopes containing bids must be sealed and marked with name, address of the bidder, due date, and bid number.**
8. **IMPORTANT:** Bids not received in the office of the Purchasing Agent at the time of opening are disqualified and will be returned unopened.
9. Corrections and/or modifications received after the opening time specified will not be accepted.
10. Where an item is specified by brand name and numbers these are used in these specifications as a matter of convenience to indicate quality, type, and features desired. Accordingly demonstrably equal merchandise will be given full consideration and the bidder is invited to offer such, except where it is clearly stated that such brand names and/or models are specified for the purpose of standardization. Any "or equal" items offered must be substantially equal to the appearance, design, dimensions, approximate cost of the item specified, and must be of equivalent materials, function, and sturdiness of construction of the item specified. Any deviation from specifications must be clearly itemized by the bidder.  
When offering substitutions, please specify, and include descriptive literature.
11. When brand, number, or level of quality is not stated by the bidder, it is understood the offer is exactly as specified.
12. Otero County is exempt from paying sales tax for materials and federal excise taxes. Do not include those taxes in bid. A nontaxable transaction certificate will be provide when payment is made. Services and tax on labor only are not exempt.
13. If your bid is accepted, you will receive notification either verbally or in writing by an issuance of a Purchase Order Number authorizing you to make delivery. Only the accepted bidder will be notified of awards.
14. **ATTENTION BOOKKEEPING & AUDITING DEPARTMENTS:** Complete payment will be made only when entire order is filled, with the exception of "Open Order Purchases", unless otherwise stated on purchase order. **EXCEPTION: Partial payments will be allowed upon written notification and approval if order cannot be completed in a single shipment.** Payment terms are Net 30 days unless otherwise stated.
15. All addenda so issued shall become part of the bid documents.
16. Pricing shall remain effective for a minimum of thirty  
(30) days after bid opening date.

**CONDITIONS**

1. The Purchasing Agent reserves the right to reject any and all bids, to waive any informality in bids, and **unless** otherwise specified to the bidder, to accept any item on the bid.
2. In case of error in the extension of prices in the bid, the unit price will govern.
3. Prompt payment discounts will not be considered in computing the low bid. Otero County will take advantage of cash discounts offered wherever possible.
4. Time in connection with discount offered will be computed from date of delivery or from date correct invoice is received, whichever is later.
5. Final inspection and acceptance will be made at the destination. Supplies rejected at the destination for non-conformance with specifications shall be removed at the vendor's risk and expense, promptly after notice of rejection.
6. Otero County requires vendor certification be the New Mexico State Purchasing Agent before the 5% in-state bidding preference can be extended. Bidders claiming this preference must show certification number on bid and must be prepared to show evidence of certification for the commodity being bid. In-state vendors: failure to secure above will result in non-considerations of any preference for in-state bidders. This will not apply when Federal funds are used, Chapter 13-1-21.
7. Otero County reserves the right to award by item, group of items, or total bids; to reject any and all bids in whole or in part if, in the judgment of the Purchasing Agent, the best interests of Otero County will be served.
8. The Otero County Purchase Order Number shall be shown on all packing, delivery tickets, and other correspondence in connection with the shipment. The user's count will be accepted by the Vendor as final and conclusive on all shipments not accompanied by a packing ticket.

The Vendor's invoice shall be submitted and contain the following information: order number, description of supplies or services, quantities, unit prices, and extended totals. Separate invoices shall be rendered for each and every complete shipment.

9. Otero County reserves the right to cancel all or any part of this order without cost to the County, if the Vendor fails to meet the provisions of this order and, except as otherwise provided herein, to hold the Vendor liable for any excess cost occasioned by the County due to the Vendor's default. The Vendor shall not be liable for any excess costs if failure to perform the order arises out of cause beyond the control and without the fault or negligence of the Vendor, such causes include, but are not restricted to, acts of God or of the public enemy, acts of the State or of the Federal Government, fires, goods, epidemics, quarantine restrictions, strikes, freight embargo's, unusually severe weather, and defaults of subcontractors due to any of the above, unless Otero County shall determine that the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the Vendor to meet the required delivery scheduled. The rights and remedies of the county provided in this paragraph shall not be exclusive and are in addition to any other rights now being provided by law or under this order.
10. In signing this bid or accepting Purchase Order, the Vendor certifies he/she has not, either directly or indirectly, entered into action in restraint of free competitive bidding in connection with this proposal submitted to Otero County Purchasing Agent.
11. Sections 13-1-28 through 13-1-199 NMSA 1978, imposes civil and criminal penalties for its violation. The New Mexico criminal statutes impose felony penalties for bribes, gratuities, and kickbacks.
12. **THIS BID/AWARD IS CONTINGENT UPON AVAILABLE FUNDING.**

(terms)

rev 05/96

## CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to the Procurement Code, Sections 13-1-28, et seq., NMSA 1978 and NMSA 1978, § 13-1-191.1 (2006), as amended by Laws of 2007, Chapter 234, any prospective contractor seeking to enter into a contract with any state agency or local public body **for professional services, a design and build project delivery system, or the design and installation of measures the primary purpose of which is to conserve natural resources** must file this form with that state agency or local public body. This form must be filed even if the contract qualifies as a small purchase or a sole source contract. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

Furthermore, the state agency or local public body may cancel a solicitation or proposed award for a proposed contract pursuant to Section 13-1-181 NMSA 1978 or a contract that is executed may be ratified or terminated pursuant to Section 13-1-182 NMSA 1978 of the Procurement Code if: 1) a prospective contractor, a family member of the prospective contractor, or a representative of the prospective contractor gives a campaign contribution or other thing of value to an applicable public official or the applicable public official's employees during the pendency of the procurement process or 2) a prospective contractor fails to submit a fully completed disclosure statement pursuant to the law.

The state agency or local public body that procures the services or items of tangible personal property shall indicate on the form the name or names of every applicable public official, if any, for which disclosure is required by a prospective contractor.

**THIS FORM MUST BE INCLUDED IN THE REQUEST FOR PROPOSALS AND MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.**

The following definitions apply:

**“Applicable public official”** means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

**“Campaign Contribution”** means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to statewide or local office. “Campaign Contribution” includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

**“Family member”** means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law of (a) a prospective contractor, if the prospective contractor is a natural person; or (b) an owner of a prospective contractor.

**“Pendency of the procurement process”** means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

**“Prospective contractor”** means a person or business that is subject to the competitive sealed proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person or business qualifies for a sole source or a small purchase contract.

**“Representative of a prospective contractor”** means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

Name(s) of Applicable Public Official(s) if any: \_\_\_\_\_  
(Completed by State Agency or Local Public Body)

**DISCLOSURE OF CONTRIBUTIONS BY PROSPECTIVE CONTRACTOR:**

Contribution Made By: \_\_\_\_\_

Relation to Prospective Contractor: \_\_\_\_\_

Date Contribution(s) Made: \_\_\_\_\_  
\_\_\_\_\_

Amount(s) of Contribution(s) \_\_\_\_\_  
\_\_\_\_\_

Nature of Contribution(s) \_\_\_\_\_  
\_\_\_\_\_

Purpose of Contribution(s) \_\_\_\_\_  
\_\_\_\_\_

(Attach extra pages if necessary)

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Title (position)

**-OR-**  
**NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE** to an applicable public official by me, a family member or representative.

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Title (Position)

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

### **INTENT OF SPECIFICATIONS**

It is the intent of these specifications to establish the minimum requirements of our bid request to furnish one (1) or more complete non walk-in wildland fire apparatus equipped as hereinafter specified. With a view to obtaining the best results and the most acceptable apparatus for service in the fire department, these specifications cover the general requirements as to the type of construction, together with certain details as to finish, equipment and appliances with which the successful bidder must conform. Minor details of construction and materials where not otherwise specified are left to the discretion of the contractor, who will be solely responsible for the design and construction of all features.

### **SAFETY REQUIREMENTS**

The unit specified shall completely meet NFPA 1906, all State and Federal safety standards and laws that are in effect on the date of the bid for the item(s) that are being specified and the particular use for which they are meant.

Y\_\_ N\_\_ Exception\_\_

### **QUALITY AND WORKMANSHIP**

The design of the apparatus shall embody the latest approved automotive engineering practices, experimental designs and methods shall not be acceptable. The workmanship shall be of the highest quality in its respective field. Special consideration is given to the following points; accessibility of the various units that require periodic maintenance, ease of operation (including both pumping and driving) and symmetrical proportions. Construction shall be rugged and ample safety factors shall be provided to carry loads as specified.

Y\_\_ N\_\_ Exception\_\_

### **DELIVERY & TERMS**

The successful bidder shall agree to furnish the apparatus within 180 calendar days after the receipt of purchase order. The apparatus shall be paid in full upon acceptance by the Fire Department at the manufacturer's facility.

Y\_\_ N\_\_ Exception\_\_

### **GENERAL CONSTRUCTION**

The complete apparatus, assemblies, subassemblies, component parts and so on, will be designed and constructed with due consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is to be subjected when placed in service. All parts of the apparatus will be strong enough to withstand the general service under full load. The apparatus will be so designed that the various parts are readily accessible for lubrication, inspection, adjustment and repair.

The apparatus will be designed and constructed, and the equipment so mounted, with due consideration to distribution of the load between the front and rear axles, that all specified equipment, including a full complement of specified ground ladders, full water tank, loose equipment, and firefighters; will be carried without overloading or injuring the apparatus.

Y\_\_ N\_\_ Exception\_\_

### **FIRE PUMP OPERATIONAL MANUAL**

A fire pump service, instruction, and operational manual shall be supplied. This manual may be in a either a notebook type binder, with reference tabs or a compact disk (CD) with all of the printed material in an electronic format (Adobe Acrobat PDF).

Y\_\_ N\_\_ Exception\_\_

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

### **FOAM SYSTEM OPERATIONAL MANUAL**

A foam system service, instruction, and operational manual shall be supplied. This manual may be in either a notebook type binder, with reference tabs or a compact disk (CD) with all of the printed material in an electronic format (Adobe Acrobat PDF).

Y\_\_ N\_\_ Exception\_\_

### **APPARATUS OPERATIONAL MANUALS**

The fire apparatus manufacturer shall provide two (2) operational manuals. These manuals may be in either a notebook type binder, with reference tabs or a compact disk (CD) with all of the printed material in an electronic format (Adobe Acrobat PDF).

Y\_\_ N\_\_ Exception\_\_

### **"AS BUILT" WIRING DIAGRAM**

The fire apparatus manufacturer shall provide one (1) "as built" wiring schematic. This diagram may be in either a notebook type binder, with reference tabs or a compact disk (CD) with all of the printed material in an electronic format (Adobe Acrobat PDF).

Y\_\_ N\_\_ Exception\_\_

### **COMPLIANCE TO STANDARDS**

This vehicle shall meet or exceed State, NFPA 1906 and Federal Motor Vehicle Standards.

Y\_\_ N\_\_ Exception\_\_

### **PAINT**

- |                     |                        |
|---------------------|------------------------|
| 1. Cab Color:       | Red                    |
| 2. Bumper Color:    | Chrome or Red          |
| 3. Wheel Color:     | Red                    |
| 4. Fire Body Color: | Brushed Aluminum       |
| 5. Cab Steps:       | Stainless Steel or Red |

Y\_\_ N\_\_ Exception\_\_

### **CHASSIS SPECIFICATIONS**

One (1) FORD F-550 rear axle drive 4 x 4, dual rear wheels (DRW), two door XL cab and chassis

GVWR: 19,500 pounds

Wheelbase: 140.8"

Cab to Axle: 60"

Grille: black or chrome

Tow Hooks: front loops

Driving Front Axle and Suspension: 7,000# HD front package, 7,000# suspension package, stabilizer bar, front shocks, manual hubs

Transfer Case: cab controlled high and low range HD front package, stabilizer bar, front shocks, manual hubs

Tires: two (2) front tires shall be 225/70R19.50, radial all weather highway tread

Front Wheels: two (2) 19.50" x 6.00" steel disc, eight (8)-hole pattern steel disc wheels

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

Rear Axle and Suspension: 14,706# wide track rear axle, 14,706# suspension package, stabilizer bar, limited slip

Tires: four (4) 225/70R19.50 all-weather type radial tires

Rear Wheels: four (4) 19.50" x 6.00" steel disc, eight (8)-hole pattern steel disc wheels

Braking System: four (4) wheel disc brake system with an Anti-Lock (ABS) Engine:

Engine Model: Power Stroke 6.7 turbo-charged diesel

Number of Cylinders: Eight (8) "V" configuration

Displacement: 6.7 liters

Rated Brake Horsepower: 300 at 2800 rpm

Rated Torque: 660 ft. lbs.

Turbocharger

Cooling System: a coolant mixture protected to -30 degrees Fahrenheit

Exhaust System: horizontally mounted, discharge on right side aft of wheels

Fuel Tank: 40 gallon rear mounted, left side filler extension

Transmission: six speed automatic

Steering: power steering system

Batteries: two (2) 78 amp-hr. 750CCA 12-volt batteries

Alternator: single 200 amp 12 volt

Cab Construction: XL Series two (2) door steel construction, sun visors, tinted glass, roof clearance lights, grab handles interior

Mirrors: black manually telescope fold-away in/out for view adjustment.

Climate Controls: controls for heat, defroster, and air conditioning

Window and Door Controls: manual

Air Bags: driver's and passenger's front, seat side, and side curtain

Cab Instruments: standard type, boost, trans temp, fuel, battery, tach, speedo, four (4) upfitter rocker switches

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

Drivers and Passenger Seat: 40/20/40 vinyl bucket type seats with three (3) point safety harness, center flip down seat back

Printed Manuals: one (1) printed chassis operation manual

Cab Accessories: AM/FM radio, two radio speakers and antenna

Color: Ford Red, Cab Paint: single color

Y\_\_ N\_\_ Exception\_\_

### **CAB SEATING AND WEIGHT ALLOWANCE**

A warning label shall be installed in the cab to indicate seating positions for three (3) people. A weight allowance of 250 pounds shall be calculated for each person.

Y\_\_ N\_\_ Exception\_\_

### **TOW HOOKS**

The factory tow hooks will be relocated into the custom bumper or replaced with equivalent hooks.

Y\_\_ N\_\_ Exception\_\_

### **REAR TOW PLATES**

Two (2) painted bolt-on tow plates shall be installed at the rear of the chassis.

Y\_\_ N\_\_ Exception\_\_

### **FRONT BUMPER**

The factory bumper shall be removed and replaced with a heavy duty Buckstop Outback off-road bumper and grille protection assembly. A receiver hitch shall be installed at the front of the apparatus below the front bumper. The bumper assembly shall have a 12,000 lb. winch installed.

Y\_\_ N\_\_ Exception\_\_

### **REAR MUD FLAPS**

The chassis shall be supplied with mud flaps with the manufacturer's logo. The mud flaps shall be installed behind the rear wheels.

Y\_\_ N\_\_ Exception\_\_

### **CAB STEPS**

The cab shall be equipped with either stainless steel or custom painted steel tubing step assemblies on each side of the cab.

Y\_\_ N\_\_ Exception\_\_

### **FRONT BUMPER SKID PLATE**

A .250" aluminum skid plate will be installed from the bumper area extending below the bumper extension and chassis radiator area.

Y\_\_ N\_\_ Exception\_\_

### **CHASSIS LIFT KIT**

A 6" Fabtech heavy duty, 4 link, off road suspension lift kit (or equal) with heavy-duty off road shocks shall be installed on the chassis. The system is designed to significantly increase wheel travel, in addition to giving the chassis increased ground clearance.

Y\_\_ N\_\_ Exception\_\_

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

### **GPS SPEEDOMETER**

A Garmin NUVI 1300 dash mounted GPS unit shall be installed. It shall display the actual vehicle speed in the lower right hand corner. Traveling speeds in excess of the posted speed limit shall be displayed in RED. Installation of this unit shall compensate for any inaccuracy of the factory speedometer due to the installation of larger tires.

Y\_\_ N\_\_ Exception\_\_

### **FRONT AND REAR SUPER SINGLE TIRES AND WHEELS**

The front and rear tires will be 335/80R20 22PR, severe service radial all terrain tread. The tire weight rating shall be load range "M", and match the rim rating. Wheels for the front and rear axles will be 20" x 11.00" steel disc, ten (10)-hole pattern special order for Military/Government off road application. The weight rating of the rims will be 6,750 each.

Y\_\_ N\_\_ Exception\_\_

### **SPARE SUPER SINGLE TIRE AND WHEEL**

One (1) spare wheel and tire shall be 335/80R20 22PR, severe service radial all terrain tread. The tire weight rating shall be load range "M", and match the rim rating. Wheel for the spare shall be 20" x 11.00" steel disc, ten (10)-hole pattern special order for Military/Government off road application. The weight rating of the rim will be 6,750 each.

Y\_\_ N\_\_ Exception\_\_

### **MOUNTING SPARE TIRE AND WHEEL**

The spare tire and wheel shall be mounted on top front, right corner of the water tank. Aluminum plate shall be installed with mounting assembly for the wheel and tire.

Y\_\_ N\_\_ Exception\_\_

### **FIRE PUMP SPECIFICATIONS**

A Hale HPX200-BD26 (or equal) fire pump shall be furnished and mounted on the apparatus. The pump/engine shall perform to the standards of ISO 9 and NFPA 1906 low-pressure pump rating. Typical pump performance from 5 foot draft at sea level using a 2.5" suction line and a 2.5" discharge shall be.

270 GPM @ 50 PSI  
200 GPM @ 100 PSI  
160 GPM @ 125 PSI.

Y\_\_ N\_\_ Exception\_\_

### **PUMP**

The pump body shall be made of alloy aluminum castings coupled together with a stainless steel band clamp with an O-ring seal which allows quick pump volute removal for servicing. The pump end shall be factory hydrostatically tested to 250 PSI for 10 minutes. The impeller shall be bronze. The renewable clearance rings shall be made of anodic plated bronze to inhibit galvanic corrosion. The impeller shall be designed with a sleeve back end to prevent water from coming in contact with the engine shaft. The pump shaft seal shall be an automatically adjusting, maintenance free, mechanical type. The pump body shall be equipped with a petcock drain valve.

Y\_\_ N\_\_ Exception\_\_

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

### **PRIMING PUMP**

1. The priming pump shall be a positive displacement, oil-less rotary vane electric motor driven pump conforming to the requirements of NFPA 1901. The pump body shall be manufactured of heat treated anodized aluminum for wear and corrosion resistance.
2. The pump shall be capable of producing a minimum 24 Hg vacuum at 2000 feet above sea level.
3. The electric motor shall be a 12 VDC (or 24 VDC) totally enclosed unit.
4. The priming pump shall not require lubrication.
5. The priming pump shall be operated by a single push-pull control valve mounted on the pump operator panel. The control valve shall be of all bronze construction

Y\_\_ N\_\_ Exception\_\_

### **ENGINE**

The engine shall be a 4 cycle diesel Briggs and Stratton Vanguard series DM950D radiator liquid cooled design. Engine rating shall be 26 BHP at 3600 rpm. A 12-volt electric system shall be provided with electric starter and alternator. Engine shall be equipped with a USDA approved spark arrestor. Fuel for the pump shall be directly connected to the Ford Chassis fuel tank with the complete fuel system package to be engineered and supplied by Darley. When the chassis fuel tank reaches 25% full, the pump will shut off. Pump shall be capable of remote starting and throttle control from both the cab of the vehicle and the pump panel.

Y\_\_ N\_\_ Exception\_\_

### **FIRE PUMP TEST**

The fire pump shall undergo factory fire pump run-in tests for a minimum of 2 hours prior to delivery of the completed apparatus. The factory pump testing results shall be furnished on delivery.

Y\_\_ N\_\_ Exception\_\_

### **FIRE PUMP MASTER DRAIN**

The fire pump plumbing system and fire pump shall be piped to a pump panel mounted 'handwheel' type Hale-Class 1 multi-port master pump drain assembly. The master drain valve shall be a bronze master drain with a rubber disc seal, a universal joint and a handwheel control on the pump panel. The master drain shall also provide for low point drainage of the fire pump and auxiliary devices.

Y\_\_ N\_\_ Exception\_\_

### **STAINLESS STEEL PLUMBING SYSTEM**

The auxiliary fire pump plumbing system shall be built completely of stainless steel piping, fittings, and connections. Victaulic couplings shall be installed to permit flexing of the plumbing system and allow for quick removal of piping or valves for service. Tank connections and remote plumbing shall use high-pressure flexible piping. Flexible hose couplings shall be threaded stainless steel or Victaulic connections.

The fire pump and plumbing shall be hydrostatically tested in compliance to applicable sections of NFPA standards, with test results submitted on delivery.

Y\_\_ N\_\_ Exception\_\_

### **VALVES**

All valves used in the plumbing installation shall be stainless steel quarter turn full flow type.

The plumbing installation shall include quarter turn ball valves with local "on-valve" handle control, with custom embossed labeling for each valve.

The plumbing installation shall include quarter turn ball valves with local "on-valve" handle control, with custom embossed labeling for each valve.

Y\_\_ N\_\_ Exception\_\_

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

### **HOSE THREADS**

The hose threads shall be National Hose Standard (NH) on all base threads on the apparatus intakes and discharges, unless otherwise specified.

Y\_\_ N\_\_ Exception\_\_

### **EXHAUST SYSTEM**

The auxiliary fire pump and engine assembly shall have a muffler and vertical exhaust pipe. The exhaust pipe shall be directed upward and away from the pump operator. An additional guard or wrapping around the exhaust pipe shall be installed where the pipe is exposed to touch by an operator.

Y\_\_ N\_\_ Exception\_\_

### **PUMP PANEL ENCLOSURE**

A pump panel enclosure shall be installed. The enclosure shall be fabricated of .125" aluminum with a DA finish, bolted in place with a pump instrument panel installed.

Y\_\_ N\_\_ Exception\_\_

### **PUMP PANEL**

A Hale engine and pump control panel shall be provided at the rear of the vehicle. The following shall be located at the operator's position:

1. 2.5" discharge pressure gauge
2. choke control
3. start stop control
4. throttle control
5. low oil pressure warning light
6. Pump shall be capable of remote starting and throttle control from both the cab of the vehicle and the pump panel.

Y\_\_ N\_\_ Exception\_\_

### **PUMP CONTROL PANEL**

The pump control panel shall be mounted at the left rear corner of the body.

Y\_\_ N\_\_ Exception\_\_

### **ELECTRIC START WIRING TO CHASSIS**

The 12 volt positive and negative cables shall be provided from the chassis battery to the fire pump area, wired through the master disconnect solenoid system. The cables shall have a circuit breaker installed at the chassis battery.

Y\_\_ N\_\_ Exception\_\_

### **AUXILIARY FIRE PUMP MOUNTING PROVISIONS**

The auxiliary fire pump shall be installed at the rear of the body. The sub-structure shall have welded in mounting sub-plates between the structural members. The pump shall be mounted on a di-electric surface under pump and bolts through the sub-plates.

Y\_\_ N\_\_ Exception\_\_

### **2-1/2" GATED INTAKE -- REAR**

One (1) 2-1/2" gated suction intake shall be installed on rear area to supply the fire pump from an external water supply. The valve shall be controlled with a direct quarter-turn ball valve control handle and shall have 2-1/2" NH female thread with removable screen with plug. The color coded label shall be installed near the control handle.

Y\_\_ N\_\_ Exception\_\_

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

### **TANK TO PUMP LINE INSTALLATION**

The 2.5" tank to pump line shall be installed with a flexible hump hose connection and stainless steel clamps to the water tank. The valve shall be controlled with a manually operated handle directly on the valve.

Y\_\_ N\_\_ Exception\_\_

### **WATER TANK FILL AND COOLING LINE**

One (1) 1" fire pump to water tank refill and bypass cooler line shall be provided. The pump to tank valve shall be a 1" full flow quarter turn ball valve with local control handle. A 1" flex hose shall be installed to the water tank. A nameplate label shall be installed next to the valve.

Y\_\_ N\_\_ Exception\_\_

### **3/4" GARDEN HOSE DISCHARGE -REAR**

One (1) .75" garden hose discharge shall be installed on the rear pump area, controlled by a quarter turn ball valve with local control handle. The discharge shall have a NPT x .75" male garden hose threads and cap and nameplate label adjacent the valve control handle.

Y\_\_ N\_\_ Exception\_\_

### **2-1/2" DISCHARGE -REAR**

One (1) 2-1/2" discharge shall be installed at the rear pump area, controlled by a quarter turn ball valve. The discharge shall have 2-1/2" NPT x 2-1/2" NH male hose threads and nameplate label adjacent the valve control handle. The discharge shall be equipped with 2-1/2" female x 1-1/2" chrome plated brass reducer, 1-1/2" chrome cap and chain.

Y\_\_ N\_\_ Exception\_\_

### **FRONT OF BODY DISCHARGES**

A 1.5" discharge shall be piped from the rear pump area to the front on the body and split into two (2) 1" discharges. A 1.5" master control valve shall be installed at the rear pump manifold area with direct control handle and label.

The right and left sides of the front body area shall be equipped with two (2) manually operated 1" quarter turn ball valves for pre-connected 1" whip lines. The control valves shall be located at front of body (one each side) in walkway area of the body.

Two (2) 1" x 8 feet long 300# working pressure hose whips with threaded couplings shall be installed at front of body, one each side, with securement devices.

Y\_\_ N\_\_ Exception\_\_

### **HOSE REEL**

One (1) Hannay aluminum hose reel shall be installed. The reel shall have leak proof ball bearing swing joint, adjustable friction brake, electric 12 volt rewind and manual crank rewind provisions. The reel shall be mounted on the right side rear corner of the flatbed body.

The hose reel shall have a capacity of 150 feet of hose.

One (1) 1" discharge shall be piped from the fire pump to the hose reel with flexible high pressure hose. The quarter turn ball valve shall be controlled on pump panel. A nameplate label shall be provided near the valve control handle.

One (1) push button hose reel rewind control shall be installed adjacent the reel area. The hose reel and hose shall be equipped with 1" NH hose threads.

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## BRUSH TRUCK SPECIFICATIONS

150' feet of 1" light weight booster reel hose shall be installed on the hose reel. The hose shall be equipped with NH threaded couplings and have a 300 PSI working pressure.

The specified hose reel nozzle shall be mounted with custom fabricated aluminum mounted location attached to specified hose reel.

The hose reel shall be provided with Hannay stainless steel roller assembly to permit safe spooling hose off the rear facing reel.

Y\_\_ N\_\_ Exception\_\_

### **GROUND SWEEP DISCHARGES -- FRONT BUMPER**

One (1) 1.5" ground sweep discharge piping shall be piped to the front bumper area. The discharge shall be controlled by an 1.5" manual override valve at the rear pump area. Flexible 1.5" diameter high pressure hose shall be provided from the pump to the monitor and sweep nozzles with automatic low point drains where necessary. The ground sweeps will be controlled by a 2" electric valve.

Two (2) ground sweep discharge nozzles shall be installed, one each side of the front bumper. Each nozzle shall have an 1" electric control valve, switched independently in the cab. The discharges shall be equipped with removable ground sweeps nozzles angled accordingly with a 180 degree total front sweep pattern. The flow rate shall be 15-30 gpm.

Each nozzle shall have a custom fabricated brush guard installed to protect from damage when off road. The valves and manifold shall be protected from damage by the front bumper and skid plate.

Y\_\_ N\_\_ Exception\_\_

### **FRONT BUMPER MONITOR**

One (1) Akron Model Fire Fox monitor shall be installed. The remote monitor shall be located on the front bumper of the apparatus. One (1) 1.5" front bumper discharge piping shall be piped to the front bumper area. The discharge shall be controlled by an 1.5" manual override valve at the rear pump area. Flexible 1.5" diameter high pressure hose shall be provided from the pump to the monitor and sweep nozzles with automatic low point drains where necessary. The monitor shall be an all-electric single waterway monitor constructed of lightweight Pyrolite, with a 2" electric valve.

The monitor shall have a fully enclosed 12-volt motor and gears with a manual override for both horizontal and vertical rotation and may be operated simultaneously. The vertical travel shall be from 45-degrees below to 90-degrees above horizontal with adjustable stops at -20 degrees and +45 degrees. The horizontal rotation shall be 320-degrees with adjustable stops at +-90-degrees.

The logic box shall include coated, solid state components to resist water corrosion. The control joy stick shall control the vertical and horizontal rotation of the monitor and the pattern of the nozzle.

The nozzle shall be 30-125 gpm adjustable.

Y\_\_ N\_\_ Exception\_\_

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## BRUSH TRUCK SPECIFICATIONS

### **CLASS A FOAM SYSTEM**

An around-the-pump foam system shall be installed to supply all discharges. The unit shall be mounted between the discharge and suction side of a pump. The unit shall be adjustable, permitting various foam ratio percentages to be educted depending on the nozzles in use. Foam selection percentages between .3 and 1% shall be available. The foam system has been designed for simplicity of operation and maintenance. A flush system will be installed.

Y\_\_ N\_\_ Exception\_\_

### **TEST DATA AND SAFETY PLACARDS**

The pump panel shall be provided with labels required by applicable sections of NFPA #1901. The labels shall be installed at the operator's area that provides rated capacities, pressure ratings, and engine speeds as determined by the certification tests. The no-load governed speed of the engine, as stated by the engine manufacturer, shall also be included. The labels shall be provided with all information at the factory and be attached to the apparatus prior to delivery.

Y\_\_ N\_\_ Exception\_\_

### **STEP-SIDE BODY -- ALUMINUM**

The body will be a custom fabricated severe service step-side type, constructed of all aluminum. The body shall be 114" long by 99" wide, designed for a 60" cab to axle dimension. The body shall be specifically designed and engineered for off-road wildland firefighting.

Y\_\_ N\_\_ Exception\_\_

### **FLAT-BED SUB-STRUCTURE**

The body shall have 5" x 1.75" structural aluminum channel main frame rails. The body frame rails shall be isolated from the truck frame by .500" industrial rubber mat.

Y\_\_ N\_\_ Exception\_\_

### **FLAT-BED CROSS-MEMBER SUB-STRUCTURE**

The cross-members shall be 3" x 2 5/16" structural aluminum channel with cross-members on 12" centers.

Y\_\_ N\_\_ Exception\_\_

### **FLAT-BED MOUNTING**

The body shall be bolted to the chassis frame rails at the rear end of the frame and forward of the rear axle, the body shall be spring mounted..

Y\_\_ N\_\_ Exception\_\_

### **FLAT-BED FLOOR**

The body floor shall be .125" polished NFPA compliant non-skid aluminum tread plate. The floor shall be welded to the sides and the cross-members of the body.

Y\_\_ N\_\_ Exception\_\_

### **SQUARE CORNERS -- FLAT-BED**

The front corners of the flat-bed body shall be square.

Y\_\_ N\_\_ Exception\_\_

### **HEADACHE RACK**

The front of the body shall have a 2" formed aluminum tube headache rack. The rack shall extend the full width of the body and be attached to the front body corners. The assembly shall extend above the chassis cab and have mounting platform for installation of the light bar and two work lights. Wiring for the lights will be placed inside the tubing for protection. The headache rack shall have four (4) vertical 2" tubes for extra strength.

Y\_\_ N\_\_ Exception\_\_

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## BRUSH TRUCK SPECIFICATIONS

### WALKWAY

The front of the body shall have a 14" to 17" front to rear by 96" right to left walkway in front of the water tank. The walkway shall allow access from side to side of the body and have a NFPA compliant walkway surface.

Y\_\_ N\_\_ Exception\_\_

### FUEL FILLER

The fuel filler tube and cap shall be installed at the left hand side, rear of the body.

Y\_\_ N\_\_ Exception\_\_

### FENDER PANELS -- FRONT BODY

The front lower portion of the flat-bed body shall have fender panels of polished aluminum tread plate with recessed access steps each side of the body.

Y\_\_ N\_\_ Exception\_\_

### FENDER PANELS

The lower portion of the flat-bed body shall have fender panels over and aft of the rear wheel panel area. The panels shall be constructed of polished aluminum tread plate. The wheel well openings will be cut out to conform to the wheels.

Y\_\_ N\_\_ Exception\_\_

### SIDE STEP CUBICLE

An approximate 24" wide x 24" high x 20" deep cubicle shall be constructed of polished NFPA compliant aluminum tread plate on the driver's side and passenger's side in the front of the body.

Y\_\_ N\_\_ Exception\_\_

### HINGED SAFETY GATE ASSEMBLY

The step side cubicles on the driver's side and passenger's side in the front of the body, shall each be equipped with a swing in safety lock gate constructed out of 1" aluminum tubing. The gate shall be locked in the closed position by a locking pin and stop bracket, and shall have a hydraulic cylinder to hold the gate either in the fully open or the fully closed position.

Y\_\_ N\_\_ Exception\_\_

### REAR BODY PANEL

The vertical body panel at the rear of the body shall be constructed of smooth .190" aluminum. The surface shall house the running lights, taillights, back-up lights, and emergency lights.

Y\_\_ N\_\_ Exception\_\_

### PROTECTIVE RAILS

The upper body area shall be protected with radius corner 1" diameter aluminum tube railing assembly installed around the top of the step side flat-bed body. The corners of the body shall have vertical risers space in critical areas. The railings shall act a protection to the upper body structures when off road in heavy brush conditions. The rear upper body corner rails shall house the upper emergency lights and work lights.

Y\_\_ N\_\_ Exception\_\_

### SIDE BODY COMPARTMENTS -- RIGHT AND LEFT SIDES

Two (2) body equipment storage compartments shall be installed on the flatbed surface, one each side of the apparatus. The dimensions shall be approximately: 60" long, 24" high, and 18" deep. The compartments shall be constructed of .125" aluminum tread plate on all exterior surfaces. Each compartment shall be equipped with a hinged lift up door with dual latches installed. The doors shall be equipped with dual gas operated door opening assistant cylinders.

Y\_\_ N\_\_ Exception\_\_

### INTERIOR COMPARTMENT VENTILATION LOUVERS

The interior of the specified compartments shall be provided with louvered ventilation units.

Y\_\_ N\_\_ Exception\_\_

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## BRUSH TRUCK SPECIFICATIONS

### **COMPARTMENT DOOR KEY LOCKS**

The hinged compartment doors shall be equipped with key type door locks.

Y\_\_ N\_\_ Exception\_\_

### **TOOL STORAGE TRAY/COMPARTMENT -- RIGHT SIDE**

A tool storage compartment shall be installed over the right side equipment compartment, on the right side of the apparatus. The dimensions shall be approximately: 60" long, 8" high and 16" wide. The compartment shall be constructed of .125" aluminum tread plate on all exterior surfaces. The compartment shall be equipped with a hinged lift up aluminum tread plate door with a latch installed. The compartment shall be equipped with Turtle Tile floor covering.

Y\_\_ N\_\_ Exception\_\_

### **HOSE TRAY -- LEFT SIDE**

A hose storage tray shall be installed over the left side equipment compartment, on the left side of the apparatus. The dimensions shall be approximately: 60" long, 8" high and 16" wide. The hose tray shall be constructed entirely of .125" aluminum tread plate on all exterior surfaces. The assembly shall be equipped with a hinged lift up aluminum tread plate door on top, enclosed front panel, and open rear area with a hose securement safety strap. The hose tray shall be equipped with Turtle Tile floor covering.

Y\_\_ N\_\_ Exception\_\_

### **UNDER BODY COMPARTMENT -- REAR CENTER**

An under body equipment storage compartment shall be installed under the flatbed surface located in the center rear of the apparatus. The dimensions shall be approximately: 33" wide, 5" high, and 96" front to rear. The compartment shall be for by the vertical body beams, upper floor surface, and an aluminum lower floor area. The compartment shall be equipped with a hinged drop down door with dual latches installed. The door shall be equipped with rubber bumpers.

The rear center compartment shall be equipped with an .190" aluminum slide out tray on UHMW plastic slide pads. The tray shall be full width and full length of the compartment interior.

Y\_\_ N\_\_ Exception\_\_

### **FOLDING STEP -- LEFT REAR**

A Signature 4 lighted 8" square folding step of die cast zinc shall be installed. The step shall comply with NFPA non-slip standards and shall be installed on the rear left side of the body. The step shall be equipped with lighting to NFPA standard.

Y\_\_ N\_\_ Exception\_\_

### **FINAL ASSEMBLY AND APPARATUS FINISHING PREP SPECIFICATIONS**

The apparatus shall be assembled in a high quality and controlled environment. The fit, form, and finish of the body shall be to the highest level fire apparatus manufacturing standards. On completion, the apparatus shall be totally ready for final inspection and road testing as required by the general requirement section for this specified vehicle.

Y\_\_ N\_\_ Exception\_\_

### **WATER TANK SPECIFICATIONS**

The water tank shall have a capacity of 400 gallons and shall be rectangular in shape and engineered for a low center of gravity, constructed of polypropylene, nitrogen-welded and tested inside and out. The tank manufacturer shall define the floor, top, sides, ends, and baffles material thickness. The tank shall carry a lifetime warranty.

The transverse and longitudinal swash partitions shall be interlocked and welded to each other as well as to the walls of the tank. The partitions shall be designed and equipped with vent holes to permit air and liquid

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movement between compartments. The cover shall be recessed .375" from the top of the side walls. Hold down dowels shall extend through and be welded to both the covers and the transverse partitions, providing rigidity during fast fill operations. Drilled and tapped holes for lifting eyes shall be provided in the top area of the water tank.

The water tank manufacturer shall certify the capacity of the water tank prior to delivery of the apparatus. This capacity shall be recorded on the manufacturer data plate.

Y\_\_ N\_\_ Exception\_\_

### **NFPA COMPLIANCE**

The water tank construction shall conform to applicable NFPA standards.

Y\_\_ N\_\_ Exception\_\_

### **BAFFLING SYSTEM**

The internal baffling partitions shall be installed right to left and front to rear on inside of tank. The partitions shall be designed and equipped with vent holes to permit air and liquid movement between baffled compartments.

Y\_\_ N\_\_ Exception\_\_

### **WATER TANK SIGHT GAUGE**

The water tank shall be equipped with clear water level sight gauge in the rear wall of the tank.

Y\_\_ N\_\_ Exception\_\_

### **FILL TOWER LOCATION**

The tank fill tower shall be located in the left rear corner of the water tank.

Y\_\_ N\_\_ Exception\_\_

### **VENT AND OVERFLOW**

The fill tower shall incorporate a vent and overflow system shall be designed into the water tank. The system shall include a 3" diameter pipe that functions both as an air vent while emptying the tank and as an overflow when filling the tank. The overflow shall discharge excess water below the frame rails of the vehicle.

Y\_\_ N\_\_ Exception\_\_

### **TANK TO PUMP CONNECTION**

A 3" pipe shall be provided on the water tank for connection of the tank to the suction side of the pump with a flexible hump hose assembly. The tank suction valve and hump hose required to complete this connection shall be supplied by the final assembler.

Y\_\_ N\_\_ Exception\_\_

### **PUMP TO TANK CONNECTION**

A 1-1/2" connection shall be provided on the water tank for connection of the discharge side of the pump to the tank for filling purposes. The valves and hose required to complete this connection shall be supplied by the final assembler.

Y\_\_ N\_\_ Exception\_\_

### **WATER TANK DRAIN PROVISIONS**

A 1.5" plugged drain provisions shall be installed in the bottom of the water tank, sump, or plumbing for water tank draining and flush-out of debris.

Y\_\_ N\_\_ Exception\_\_

### **WHIP SUPPLY LINE**

A 1.5" hydraulic hose and fittings shall be incorporated into the fabrication of the water tank. The horizontal front to rear piping shall supply a discharge at front of water tank.

Y\_\_ N\_\_ Exception\_\_

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## BRUSH TRUCK SPECIFICATIONS

### FOAM TANK SPECIFICATIONS

The Class A foam tank shall have a capacity of 10 gallons.

A foam tank shall be installed within the water tank and the non-corrosive foam tank shall meet applicable sections of NFPA standards. The foam concentrate tank outlet connection shall be designed and located to prevent aeration of the foam concentrate and shall allow withdrawal of the foam concentrate tank storage capacity under all operating conditions with the vehicle level.

Y\_\_ N\_\_ Exception\_\_

### FOAM TANK AND VENTING PROVISIONS

The foam concentrate tank shall be provided with a fill pipe having a volume of not less than 2 percent of the total tank volume. The filler opening shall be capped with a sealed air-tight threaded cover. The fill opening shall be designed to incorporate a removable screen and shall be located so that foam concentrate from a five (5) gallon container can be dumped into the tank.

The foam tank filler shall be equipped with a pressure/vacuum vent that enables the tank to compensate for changes in pressure or vacuum when filling or withdrawing foam concentrate from the tank. The pressure/vacuum vent shall not allow atmospheric air to enter the foam tank except during operation or to compensate for thermal fluctuations. The vent shall be protected to prevent foam concentrate from escaping or directly contacting the vent at any time. The vent shall be of sufficient size to prevent tank damage during filling or foam withdrawal.

A color coded label or visible permanent marking that reads "**CLASS A -- FOAM TANK FILL**" shall be placed at or near the foam concentrate tank fill opening. An additional label shall be placed at or near any foam concentrate tank fill opening stating the type of foam concentrate the system is designed to use.

Any restrictions on the types of foam concentrate that can be used with the system shall also be stated, along with a warning message that states "**WARNING: DO NOT MIX BRANDS AND TYPES OF FOAM.**"

Y\_\_ N\_\_ Exception\_\_

### FOAM SYSTEM PIPING

A 3/4" fitting shall be provided on the foam tank for connection of the foam tank to the suction side of the foam system.

Y\_\_ N\_\_ Exception\_\_

### 12 VOLT ELECTRICAL SPECIFICATIONS

The following describes the low voltage electrical system on the apparatus including all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The apparatus manufacturer shall conform to the latest Federal DOT standards, current automotive electrical system standards and the applicable requirements of the NFPA.

Wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for which the circuit is protected. Voltage drops shall not exceed 10 percent in all wiring from the power source to the using device. The wiring and wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. Exposed wiring shall be run in a loom with a minimum 289 degree Fahrenheit rating. Wiring looms shall be properly supported and attached to body members. Electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

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All wiring connections and terminations shall provide positive mechanical and electrical connections and be installed in accordance with the device manufacturer's instructions. When wiring passes through metal panels, electrical connections shall be with mechanical type fasteners and rubber grommets

Wiring between cab and body shall be split using Deutsche type connectors or enclosed in a terminal junction panel allowing body removal with minimal impact on the apparatus electrical system. Connections shall be crimp-type with heat shrink tubing with insulated shanks to resist moisture and foreign debris such as grease and road grime. Weather resistant connectors shall be provided throughout the system.

Electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. When required, automatic reset breakers and relays shall be housed in the main body junction panel.

There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless enclosed in an electrical junction box or covered with a removable electrical panel. Wiring shall be secured in place and protected against heat, liquid contaminants and damage and shall be uniquely identified at least every two feet (2') by color coding or permanent marking with a circuit function code and identified on a reference chart or electrical wiring schematic per requirements of applicable NFPA standards.

Low voltage overcurrent protective devices shall be provided for the electrical circuits. The devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. Overcurrent protection devices shall be automatic reset type suitable for electrical equipment and meet SAE standards. All

electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. Electro-magnetic interference suppression shall be provided in the system as required in applicable SAE standards.

The electrical system shall include the following:

1. Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. All terminal plugs located outside of the cab or body shall be treated with a corrosion preventative compound.
2. All electrical wiring shall be placed in a protective loom or be harnessed.
3. Exposed connections shall be protected by heat shrink material and sealed connectors.
4. Large fender washers shall be used when fastening equipment to the underside of the cab roof and all holes made in the roof shall be caulked with silicone.
5. Electrical components installed in exposed areas shall be mounted in a manner that will not allow moisture to accumulate inside.
6. A coil of wire must be provided behind an electrical appliance to allow them to be pulled away from mounting area for inspection and service work.

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7. All lights in a weather exposed area that have their sockets shall have corrosion preventative compound added to the socket terminal area.
8. Warning lights shall be switched in the chassis cab with labeled rocker type switches located in an accessible location. Individual rocker switches shall be provided only for warning lights provided exceeding the minimum level of warning lights in either the stationary or moving modes. All electrical equipment switches shall be appropriately identified as to their function and mounted on a switch panel mounted in the cab convenient to the operator. For easy nighttime operation, an integral indicator light shall be provided to indicate when a circuit is energized.

A single warning light switch shall activate all required warning lights. This switch will allow the vehicle to respond to an emergency "calling for the right of way". When the parking brake is activated, a "blocking the right of way" system shall be automatically activated per NFPA requirements. "Clear" warning lights shall be automatically shed on actuation of parking brake.

Upon completion of the vehicle and prior to delivery, the apparatus shall be electrically tested and the electrical testing, certifications, and test results shall be submitted with delivery documentation per requirements of NFPA.

Y\_\_ N\_\_ Exception\_\_

### **ELECTRICAL ENCLOSURE**

An electrical wiring enclosure for the 12 volt wiring shall be installed in the forward wall of the right side compartment with a removable panel. The dimensions of the enclosures shall be approximately 20" high, 18" wide, and 4" deep.

Y\_\_ N\_\_ Exception\_\_

### **ELECTRICAL HARNESS AND WIRING**

All wiring shall be hidden, enclosed, or protected under the body in protective material, or within the apparatus body components. In addition, split loom conduits shall be installed and enclosed, suitably secured and protected against heat and physical damage.

Y\_\_ N\_\_ Exception\_\_

### **CONSOLE AND SWITCH PANEL**

An electrical console and enclosure shall be located between the driver's and passenger's seats. It shall house the siren, switches and auxiliary equipment. Pump shall be capable of remote starting and throttle control from both the cab of the vehicle and the pump panel. A master pump pressure gauge shall also be mounted in the console.

Y\_\_ N\_\_ Exception\_\_

### **BATTERY MASTER DISCONNECT**

A battery disconnect system shall be installed to control the 12 volt power supply from the battery system to the body and cab final stage manufacturer installed equipment. The solenoid shall be controlled by the standard key starter switch.

Y\_\_ N\_\_ Exception\_\_

### **IDENTIFICATION LIGHTS**

All LED identification lights shall be installed on the vehicle as required by applicable highway regulations.

Y\_\_ N\_\_ Exception\_\_

### **LICENSE PLATE MOUNTING**

Provisions shall be installed in the rear vertical panel and a Del City #7685 LED light shall be installed.

Y\_\_ N\_\_ Exception\_\_

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## BRUSH TRUCK SPECIFICATIONS

### **BRAKE, TURN, TAIL LIGHTS**

Two (2) Whelen M6 Series Model # M6BBT 4-5/16" x 6-3/4" brake, turn, tail lights with #M6FC chrome flanges shall be provided. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The light-heads configuration shall consist of 18 red Super-LEDs and a red optic polycarbonate lens. The light-heads shall be surface mountable via two screws.

The light-heads shall utilize an optic collimator and a chrome vacuum metalized reflector for maximum illumination. The light-head shall include 164 flash patterns including: a variety of CA Title 13 compliant, syncable, left/right, top/bottom, in/out, and steady burn. The light-heads shall have the Whelen exclusive NERM (Non-Emergency Recognition Mode) feature.

The lens/reflector assembly shall be wet sealed and resistant to: water, moisture, dust, and other environmental conditions. The outer lens shall have a hard coating applied to increase strength and ensure longevity. The light engine shall be installed at the rear of the unit and be completely sealed. The pc board shall be conformal coated for additional protection.

The lights shall be furnished with five 6" wire pigtails, a Santoprene rubber gasket and the #M6FC chrome flanges shall be included for installation.

Y\_\_ N\_\_ Exception\_\_

### **BACK-UP LIGHTS**

Two (2) Whelen M-Series , 4" x 6" rear LED back-up lights shall be installed.

Y\_\_ N\_\_ Exception\_\_

### **CAB GROUND LIGHTS**

Two (2) Grote #61E41 LED ground lights shall be installed under the cab step area in compliance with NFPA standards.

Y\_\_ N\_\_ Exception\_\_

### **GROUND LIGHTS - UNDER REAR STEP**

Two (2) Grote #61E41 LED ground lights shall be installed under the rear step area, one on each side of the apparatus, wired to parking brake circuit.

Y\_\_ N\_\_ Exception\_\_

### **WORK LIGHTS**

Four (4) Grote #61E41 LED step lights with clear lens shall be installed, wired to switch on the cab dash. Location shall be: in each corner of the protective tubing assembly to light the pump panel and the front body walkway area.

Y\_\_ N\_\_ Exception\_\_

### **OFF ROAD LIGHTS**

There shall be two (2) Warn 4" HID (High Intensity Discharge) lights installed on front bumper/grille guard.

Y\_\_ N\_\_ Exception\_\_

### **COMPARTMENT LIGHTING, LED**

Two (2) compartments shall be each be equipped with one (1) Grote 61E41, 4" diameter rubber mounted LED light.

Y\_\_ N\_\_ Exception\_\_

### **AUTOMATIC COMPARTMENT DOOR LIGHT SWITCHES**

Each exterior compartment light shall be automatically controlled by a door activated switch.

Y\_\_ N\_\_ Exception\_\_

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## BRUSH TRUCK SPECIFICATIONS

### **DOOR OPEN LIGHT**

A "door open" or equipment operation warning light shall be installed on cab dash. The light shall be flashing LED light with a red lens.

Y\_\_ N\_\_ Exception\_\_

### **BACK-UP ALARM**

One (1) Buyers #BA107 back up alarm shall be installed.

Y\_\_ N\_\_ Exception\_\_

### **ELECTRONIC SIREN**

One (1) Whelen, Model #CCSRN2 electronic siren and ten (10) auxiliary switches with noise canceling microphone shall be provided. Siren head will be mounted low on the front dash in easy reach of the driver.

Y\_\_ N\_\_ Exception\_\_

### **SIREN SPEAKER**

One (1) Whelen Model #SA315P Projector Series siren speaker shall be provided with bracket. The 100 watt siren speaker shall be designed in a black nylon composite housing with 123 decibel rating. Location shall be:

Y\_\_ N\_\_ Exception\_\_

### **MOUNTING OF LIGHT BAR WITH PROTECTIVE GUARD**

The cab bar light shall be mounted on the headache bar shelf with a aluminum brush guard protective guard assembly.

Y\_\_ N\_\_ Exception\_\_

### **LIGHTBAR**

A Whelen Liberty Model #SLN2VLED low profile Super-LED NFPA lightbar shall be installed. The 55" lightbar shall be designed to meet the minimum clearing requirements for Zone A Upper. The internal components of the lightbar shall be housed within a two piece extruded aluminum base/top. The outer shell shall be clear optic polycarbonate lenses designed to maximize light output and shield against environmental elements.

The lightbar shall utilize snap-in brackets to hold in the lighthead. The brackets shall give the end user the ability to make quick repairs. The lightbar shall have all solid state components. The lightbar shall have two

wire harnesses exiting the unit: one (1) 17 conductor 22 gauge control cable which controls all internal light functions; and one (1) 2 conductor 10 gauge cable for main power and ground. Each cable shall be 15' long.

The lightbar shall have four (4) red Linear Super-LED corner modules to provide off angle protection for the front and rear of the vehicle. Each corner module shall consist of twelve (12) Super-LEDs mounted within a vacuum metalized parabolic reflector. The corner module shall also utilize an optic collimator for maximum light output. The twelve (12) LEDs shall be mounted in one straight line.

There shall be four (4) 500 Series Linear Super-LEDs: two (2) red and two (2) white front facing. Each 500 Series module shall consist of a minimum of six (6) Super-LEDs. The corner module shall utilize a vacuum metalized parabolic reflector and an optic collimator for superior light output.

The solid state I/O board shall be microprocessor controlled. The I/O board shall have built-in reverse-polarity protection and output-short protection. The board shall have the ability to flash sixteen (16) LED warning lights. There shall be a data bank of 13 Scan-Lock flash patterns including steady burn. The board shall also have outputs to add takedown and alley lights. Low power and cruise light function shall also be included. The cruise light function shall allow the user to employ the four (4) corner modules as marker courtesy lights.

Y\_\_ N\_\_ Exception\_\_

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## BRUSH TRUCK SPECIFICATIONS

### **ZONE A -- LOWER FRONT WARNING LIGHTS**

Two (2) Whelen M-7 Series Model #M7R 3" x 7" warning lights and a chrome flange shall be in the front forward facing area of the front bumper. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthoods configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens. The lighthoods shall be surface mountable via two screws. The lighthoods shall utilize an optic collimator and a chrome vacuum metalized reflector for maximum illumination.

Y\_\_ N\_\_ Exception\_\_

### **ZONE B AND D -- INTERSECTION LIGHTS**

Two (2) Whelen M-7 Series Model #M7R 3" x 7" warning lights and a M6FC chrome flange shall be installed on bumper extension, as far forward as possible. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The light-heads configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

Y\_\_ N\_\_ Exception\_\_

### **ZONE B AND D -- LOWER REAR CORNER WARNING LIGHTS**

Two (2) Whelen M-7 Series Model #M7R 3" x 7" warning lights and a chrome flange shall be installed in lower rear side corner body area. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthoods configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

Y\_\_ N\_\_ Exception\_\_

### **ZONE B AND D -- UPPER SIDE REAR WARNING LIGHTS**

Two (2) Whelen M-7 Series Model #M7R 3" x 7" warning lights and a M6FC chrome flange shall be upper rear body side panel. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthoods configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

Y\_\_ N\_\_ Exception\_\_

### **ZONE B AND D -- UPPER REAR WARNING LIGHTS**

Two (2) Whelen M-7 Series Model #M7R 3" x 7" warning lights and a chrome flange shall be installed in the upper rear corner of the handrails. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthoods configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

Y\_\_ N\_\_ Exception\_\_

### **ZONE C -- LOWER REAR WARNING LIGHTS**

Two (2) Whelen M-7 Series Model #M7R 3" x 7" warning lights and a chrome flange shall be lower rear of body. The warning lights shall incorporate Linear Super-LED and Smart LED technology. The lighthoods configuration shall consist of 18 red Super-LEDs and a clear optic polycarbonate lens.

Y\_\_ N\_\_ Exception\_\_

### **CAB REFLECTIVE LETTERING**

The cab lettering shall be Scotchlite reflective material, shaded in black. A quantity of (50) three inch (3") letters shall be installed as directed by Fire Department.

Y\_\_ N\_\_ Exception\_\_

### **CAPACITY GRAPHICS**

The apparatus shall be provided with a reflective graphic that provides the following:

- Tank Capacity
- Pump Capacities
- NWCG Typing

Y\_\_ N\_\_ Exception\_\_

# PIÑON FIRE DEPARTMENT

## BRUSH TRUCK SPECIFICATIONS

### **CAB AND BODY STRIPING**

The cab and body shall have a straight Scotchlite reflective stripe applied horizontally. The stripe shall be a 4" minimum in width and be applied horizontally around the cab and body in accordance with NFPA standards. The purchaser shall specify the color and location of the stripe.

Y\_\_ N\_\_ Exception\_\_

### **FRONT CHEVRON STRIPING**

There shall be alternating chevron striping installed across the front bumper where permitted. The chevron striping shall consist of 6" diamond grade striping in the following colors:

- The first color shall be red diamond grade
- The second color shall be lime yellow diamond grade

Y\_\_ N\_\_ Exception\_\_

### **REAR CHEVRON STRIPING**

There shall be alternating chevron striping installed on the rear vertical body panel. The chevron striping shall consist of 6" diamond grade striping in the following colors:

- The first color shall be red diamond grade.
- The second color shall be lime yellow diamond grade.

Y\_\_ N\_\_ Exception\_\_

### **SPANNER AND HYDRANT WRENCH SET WITH MOUNTING BRACKET**

One (1) Kocheck lightweight spanner wrench holder shall be installed. The bracket shall hold one (1) hydrant wrench and two (2) universal spanners. It shall be mounted on the rear vertical exterior panel of the left side compartment.

Y\_\_ N\_\_ Exception\_\_

### **FOAM NOZZLES**

Three (3) Task Force Tips model # DS1040P dual gallonage foam nozzles with stainless steel shutoff ball shall be supplied. The nozzles shall be capable of producing either a fog or straight stream with the ability to instantly aspirate foam by sliding a sleeve forward. For corrosion resistance the nozzles shall be constructed from hardcoat anodized aluminum. An integral pistol grip handle shall be positioned directly below the valve handle. The nozzles shall be configured for flow settings of 10 and 40 GPM at 100 PSI, have a 1" female NH swivel rocker lug inlet and have a twist off position for positive shut off of the water flow.

Y\_\_ N\_\_ Exception\_\_