

## Deer Creek Fire Protection District Request for Bid Proposal November 23, 2007

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### Introduction

The Deer Creek Fire Protection District, Deer Creek, IL is requesting bid proposals for a 3000 gallon water tender apparatus. The intent of this request is to provide basic guidelines for the vendor and to specify certain minimum requirements. It is also the intent of this request to look at every proffer that meets the threshold requirements.

Any options, alternate proposals or exceptions to the provisions of the request for proposals are to be clearly marked OPTION, ALTERNATE or EXCEPTION. Detailed descriptions of the option, alternate or exceptions to the provisions of the request for proposals are to be provided by the vendor. The Deer Creek Fire Protection District will consider options, alternate proposals or exceptions if it is determined to be in the District's best interests.

This request for proposal document is an update to an RFP that was originally issued on September 30, 2007. The original proposal was issued under the assumption that the tanker would be financed through the Illinois Fire Truck Revolving Loan program. After proposals had been received in response to the original RFP, the Deer Creek Fire Protection District received word that the Department would be awarded an Assistance to Firefighters Grant (AFG) from FEMA to purchase the tanker. Due to the fact the AFG program has requirements that were not included in the original RFP, this new RFP is being issued. All changes or additions to the specifications from the previous RFP are clearly marked in **bold type**.

### Project Budget

The amount of the project funded through the AFG program is \$180,000, including the 5% local match. The trustees of the Deer Creek Fire Protection District strongly desire to purchase a vehicle that is within this project budget. **This is an addition from the previous RFP.**

### Intent of Specifications

It is the intent of these specifications to cover the furnishing and delivery to the purchaser a complete apparatus equipped as hereinafter specified. With a view of obtaining the best results and the most acceptable apparatus for service in the fire

department, these specifications cover only the general requirements as to the type of construction and tests to which the apparatus must conform, 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 shall be solely responsible for the design and construction of all features. The apparatus shall conform to the requirements of the current (at the time of bid) National Fire Protection Association Pamphlet #1901 for Motor Fire Apparatus unless otherwise specified in these specifications.

Any and all references to trade names, types, styles, model numbers, stock numbers or catalogs are intended to be descriptive only and not restrictive. The intention is to indicate to bidders the type and quality of the articles and or materials that will be satisfactory. The item(s) must be equivalent as to function, basic design, type and quality of material, method of construction and any required dimensions.

Each bid shall be accompanied by a set of "Contractor's Specifications" consisting of a detailed description of the apparatus and equipment proposed and to which the apparatus furnished under contract must conform.

The specifications shall indicate size, type, model and make of all component parts and equipment. Specifications shall include drawings of the proposed apparatus.

### **General Requirements**

- The finished apparatus shall be fully compliant with the current version of NFPA 1901.
- The vendor is required to provide an advance payment bond from an independent bank, insurance company or bonding agency. The amount of the bond should be equal to, or greater than, the sum of any payments, compensation and/or consideration provided prior to the delivery of the vehicle. **This is an addition from the previous RFP.**
- The vehicle purchase contract must include a performance clause that stipulates a certain date when the vehicle will be delivered by the vendor. If the vendor does not deliver the vehicle by the date stipulated in the performance clause, penalties are administered to the vendor. These penalties should be of a severity sufficient to provide the vendor with incentive to deliver the vehicle at the earliest possible date but no less than \$100 per day. **This is an addition from the previous RFP.**

### **Cab and Chassis**

- The chassis shall be a Kenworth T300 tandem-axle chassis of sufficient length to accommodate all required features. The GVWR of the finished, fully loaded vehicle shall not exceed manufacturer's specifications.

- The engine shall be a diesel with 330 minimum horsepower and be equipped with an exhaust braking system.
- An automatic transmission is to be provided
- The driver's side seat shall be an air ride high back seat. It shall be adjustable fore and aft.
- The vehicle shall be equipped with an air horn with pull chain activation.
- Wheels shall be painted with chrome center caps.
- Gold leaf lettering shall be provided on the doors and front fenders of the cab.
- Automatic tire chains shall be available as an option.
- The cab shall be painted red.

### **Body and Tank**

- The tank shall be constructed of "poly" material and be of a rectangular (non-elliptical) shape. **This is a change from the previous RFP**
- The tank shall have a capacity of at least 3000 U.S. gallons
- The tank shall be equipped with a minimum of two 2 ½" tank fill connections at the rear of the tank
- The tank shall be equipped with a dump valve or valves capable of dumping water to the rear and both sides of the apparatus. Multiple dump valves or a single dump with a directional attachment are acceptable. All dump valves shall be a minimum of 10" size. At least one dump valve shall be manually operated. **This is a change from the previous RFP**
- A dump extension shall be provided for the rear dump
- The tank shall have sufficient venting to allow unimpeded discharge through the 10" dumps.
- The tank shall be equipped with a top fill of sufficient size to allow filling with a standard 2 ½" hose.
- The tank shall be equipped with a ladder to access the top of the tank.
- All painted parts of the body shall be red to match the cab. The tank may be either painted to match the body and cab or remain natural (black). However, if the tank is left unpainted, decorative striping and lettering ("Deer Creek Fire Department") shall be provided. **This is a change from the previous RFP.**
- The apparatus shall be equipped with reflective striping as required by NFPA 1901.

### **Pump**

- A 500 gpm (minimum) PTO driven pump shall be provided
- The intake connection shall be gated.
- Suction connections shall be 4 ½"
- The pump shall be equipped with a minimum of two 2 ½" discharges

### Storage

- Storage for a 3500-gallon folding portable tank shall be provided. **This is a change from the previous RFP.**
- Storage for a 35-foot extension ladder shall be provided. Acceptable storage locations include but are not limited to a ladder rack on the side of the apparatus, on the top of the tank in a hosebed area, or in a cutout in the tank. **This is an addition from the previous RFP.**
- There shall be sufficient hose storage on the apparatus to carry the required NFPA complement of hose. Hose storage areas may include hose beds, crosslays, and/or compartments.
- Drivers and passengers side compartments shall be provided for tool and portable pump storage. These compartments shall be as large as possible to maximize available storage space.
- All compartments shall be equipped with compartment lighting that is automatically activated when the compartment doors are opened.
- Two preconnected hoselays with capacity for at least 200 feet of 1 ¾" hose each shall be provided. **This is a change from the previous RFP.**
- Storage area shall be provided for two 10 foot lengths of 4 ½" hard suction hose
- One of the storage compartments shall be equipped with two SCBA brackets for SCBA storage.
- Storage area shall be provided for at least two spare SCBA cylinders.

### Electrical and Lighting

- The vehicle shall be equipped with a master battery disconnect switch in an easy to access location.
- The apparatus shall be equipped with an emergency lighting package that meets current NFPA requirements.
- The apparatus shall be equipped with an amber directional light bar mounted on the rear of the water tank and controlled from the cab.
- The apparatus shall come equipped with a 100W siren with wail, help, and hi-lo tones and public address capability.
- Scene work lights shall be provided on both sides and the rear of the apparatus. **This is a change from the previous RFP.**
- An electronic tank level indicator shall be provided at the pump panel. A second indicator at the rear of the tank shall be available as an option.
- The apparatus shall be equipped with a battery conditioner for the 12V starting batteries. The conditioner should provide visual indication of the state of the battery charge in an easy to see location.
- A shoreline connection shall be provided on the driver's side of the vehicle at or immediately behind the cab.

### Equipment

- The apparatus shall come furnished with two wheel chocks with holders.

- Two 10-foot lengths of 6" suction hose shall be supplied with the apparatus. This 6" suction will be placed in service on another DCFD vehicle and the 4 ½" suction from that truck will be placed on the vehicle being delivered.
- A 35' aluminum extension ladder shall be provided with the apparatus. **This is an addition from the previous RFP.**
- A 6" float strainer shall be provided with the apparatus.
- A 6" low level strainer shall be provided with the apparatus
- A 6" and 4 ½" jet siphon with 1 ½" jet connections shall be provided.
- A 3500 U.S. gallon aluminum frame portable folding tank shall be supplied with the apparatus.
- Two Pelican LightBox (or equivalent) rechargeable lights shall be provided with the apparatus and installed in the cab. The charging bases for the lights shall be wired so that the lights will be charged when the shoreline is connected.
- A Kenwood TK-790 45W full control head or equivalent all-weather dual-head VHF high-band radio with all required accessories such as speakers, microphones, programming software shall be delivered uninstalled with the apparatus. DCFD personnel will oversee radio installation and programming after delivery. **This is a change from the previous RFP.**
- A VHF-HI (150 MHz) high-gain (5/8 wave) antenna shall be installed on the roof of the cab. **This is a change from the previous RFP.**

### **Warranty & Service**

The bidder should provide detailed information about apparatus warranties and service. In particular, warranty length, issues covered by warranty, and warranty response time should be addressed. Bidders should specify whether service is provided on-site, locally, or if the apparatus must be returned back to the factory for service. The bidder should indicate whether 'loaner' apparatus are available during extended warranty or service periods.

### **Project Schedule**

All bid proposals should be received by December 7, 2007. Each proposal should indicate an estimated deliver date based on an order placed by January 31, 2008. Vendors should note that due to the 1-year period of performance associated with the Assistance to Firefighters Grant program, delivery dates could weigh heavily in the selection process. **This is an addition from the previous RFP.**

### **Evaluation Process**

After all proposals are received, a committee will review the proposals for quality, value, utility, and price based on the needs of the Deer Creek Fire Protection District.

Based on the recommendations of the committee, the Deer Creek Fire Protection District may enter into competitive negotiations with two or more responsive vendors in

order to determine a final proposal to be recommended for purchase. During this process, vendors may be requested to submit revised proposals based on the results of these negotiations. At the conclusion of the evaluation process, the fire chief is to make a final purchase recommendation to the Board of Trustees for review and approval.

The Board of Trustees of the Deer Creek Fire Protection District reserves the right to reject any conditional proposals and will reject those that do not clearly indicate the design, construction and cost of the proposed water tender. The District reserves the right to waive any irregularities in the proposals, to accept or reject any or all proposals and to award the contract for purchase in the manner the District deems in its best interests.