



Naugatuck Fire Department

41 Maple Street
Naugatuck, CT 06770
(203) 720-7081

2/20/2014

The Borough of Naugatuck is seeking proposals to perform an NFPA 1912 (2011 edition) Level II refurbishment of a 1996 Pierce rescue pumper.

This pumper is presently in front line service. After refurbishment it will become a reserve engine and will respond to less than 200 calls per year. Current incident response is close to 1,000 plus incidental driving for training and pre-incident planning. It is our intention to keep this engine in service as a reserve unit until 2021.

The engine is located at the East Side Fire Station and is available for inspection by interested vendors.

Performance Bond

The successful bidder shall furnish a Performance Bond equal to one hundred (100%) percent of the total contract amount. The Performance Bond shall insure the prompt and complete performance of any contract entered resulting from the award of this bid.

Contingency fund

A contingency fund in the amount 10% of the bid shall be included to cover unanticipated items such as defective or worn components discovered during the refurbishment. Contingency expenses must be approved in writing by the Fire Chief. Final payment will be adjusted for contingency use.

Description of pumper

A 1996 Pierce Dash custom pumper with a steel pumper\rescue body, 1000 GPM Waterous pump, 500 gallon poly tank and a 50 gallon class B foam tank with educator. Foam is only discharged through the front bumper line. Vehicle has approximately 81,250 road miles.

Motor is a Detroit Diesel Series 60, 12.7 liter displacement, model 60676GK60 with approximately 8,554 hours, inspected by Atlantic Detroit Diesel on 10/16/13. No issues noted.

Allison transmission, model HT-740. Transmission inspected by Atlantic Detroit Diesel on 10/16/13, no issues noted.

Rear end model RW RS-24-160. No known issues.

There are no changes on discharges, hose beds, or equipment storage.

Description of Refurbishment

We understand that unforeseen problems can arise during the refurbishment requiring decisions that may change the scope of the project. A decision such as this may require an NFD representative be on-site to view the problem as well as solutions or alternatives. We also anticipate making several inspection trips during the project. In order to facilitate shop visits by NFD representatives, the successful bidder must be within 2 hours driving distance from Naugatuck to allow same day travel.

The NFD will deliver and pick up the engine from the shop. The NFD will remove all equipment and hose prior to delivery to the shop.

Proposal must include a start and end date for the refurbishment. Vehicle is available immediately upon signing work order. All work must be completed within **120 days** of signing work order unless otherwise agreed to in writing.

Chassis, Motor, and Drive Train

- 1) Pressure wash, clean and degrease the entire apparatus including, the chassis, frame, engine, transmission, axles, pump, plumbing, and body sub-frame. Re-grease and lubricate according to manufacturer's specifications.
- 2) Complete inspection of frame rails, cross members, all brackets and hangers. Repair or replace any corroded items, repaint\rust proof, and reassemble.
- 3) Inspect exhaust system, repair or replace as needed to ensure proper operation. There is an existing issue with one of the exhaust brackets.

Body

- 4) Repair corrosion and other repairs on body such as dings and scratches, repainting vehicle to match current color scheme using epoxy primer and paint. Isolate dissimilar metals to reduce future corrosion.
- 5) Repair any damage and repaint all cabinet interiors and shelves using epoxy primer and paint.
- 6) Vehicle to be re-lettered and department decals (supplied by NFD) applied to match current layout and numbering.
- 7) Remove diamond plate from rear of body and the forward facing sections of body adjacent to the pump panel. Repair corrosion and paint to match body. Replace diamond plate on front of body. Original diamond plate may be used. Do not replace diamond plate on the rear.
- 8) Install stainless steel wheel liners on rear wheels, and covers on front wheels.
- 9) Replace reflective stripes to meet current NFPA 1901 standard including chevron in rear.

- 10) Slip resistance strips installed on exterior walking or stepping surfaces that do not meet the current NFPA 1901 standard.
- 11) Replace rub rails using nylon spacers to avoid contact with the body.
- 12) Replace all weather stripping on all exterior doors including SCBA bottle holders.
- 13) Replace side mirrors with remote control and heated model. Replace with same style, "Bus" type mirrors are not acceptable.
- 14) Install any applicable warning signs and specification plates as required by NFPA 1912, 2011 edition.

Electrical and lighting

- 15) Replace load manager
- 16) Replace emergency lighting with LED and halogen warning light system from Whelen Engineering (Pumper Package #2). New warning lights to meet current NFPA 1901 standard:
 - Zone A Upper: Whelen Freedom 72" LED light bar, split red/white
 - Zone A Lower: Two (2) Model M9D Linear Super-LED, split red/white

 - Zone B Upper: Covered by Zone A upper light bar and Zone C upper light
 - Zone B Lower: Two (2) Model M7D linear Super-LED, split red/white

 - Zone C Upper: Two (2) B6MMRRP Super-LED beacons, red
 - Zone C Lower: Two (2) M9D Linear Super-LED, split red/amber

 - Zone D Upper: Covered by Zone A upper light bar and Zone C upper light
 - Zone D Lower: Two (2) Model M7D linear super-LED, split red/white
- 17) Replace existing brake, turn, and tail lights with LED lights, Whelen M6 series or equivalent.
- 18) Replace interior cab lights with dual color (red/white) LED dome lights, Whelen model 80CREHCR. Lights to be operated by front seat passenger and fire fighters in rear while seated and wearing seat belts.
- 19) Cab doors to have amber LED strobe on lower interior panel that operate when door is opened, facing towards oncoming traffic, Whelen 2G oval LED.
- 20) Install LED brow light and two side LED flood lights, Whelen Pioneer Plus 12V dual lamp. Side lights on cab roof over front doors. Lights to be operated from officer's position in cab while vehicle is in motion. Remove existing pole lights on rear of cab.
- 21) Replace pump panel and running lights to meet current DOT standard

Cab

- 22) Cosmetic repairs to cab interior such as re-painting and padding repair, specifically to the left of the officer's seat.
- 23) Remove diamond plate from rear of cab, repair corrosion, repaint, and replace diamond plate. Original diamond plate may be used.

Bid Options (please price separately):

- 1) Install On-Spot chains.
- 2) Replace leaf springs, front and rear.
- 3) Replace all seats with a H. O. Bostrom model appropriate for the cab design. Seating capacity will remain the same (4 positions). Officer and rear seats to securely hold Scott Series 50 SCBA with 30 minute bottles. Seat belts integrated into the seat (ABTS) are not acceptable.
- 4) Replace insulation over engine.
- 5) Replace incandescent lights in cabinets with LED lighting. The lights are to be white LED tube style, one on each side cabinet wall running as near the full height of the cabinets as practical. Lights activated when cabinet door is opened.
- 6) A total of ten (10) Whelen model 20C0CDCR 4" round Super-LED lights with model 2GROMMET, grommet mounts for ground illumination. Four (4) lights under each side of the apparatus and two (2) lights under the rear of the apparatus. Mount lights with angled brackets to allow the light to shine down and outward from under the truck body. Waterproof connectors must be used. These lights shall be controlled by a switch in the cab labeled "Ground Lights".
- 7) A total of four (4) Whelen model TOCACCCR LED Lights with Chrome flanges, model TFLANGEC shall provide illumination for the cab steps inside the cab doors. These lights shall be each controlled by a door switches to illuminate when the door is opened.

For additional information or to arrange to inspect the pumper, please contact Fire Chief Ken Hanks, 203-720-7081 or khanks@naugatuck-ct.gov.