

Request for Proposals
Refurbishment of Homer Fire Department Apparatus
Tanker 2
City of Homer, Alaska

MAY 14 2015
City of Homer City Clerk

Proposals to refurbish Tanker 2 will be received at the Office of the City Clerk, City Hall, City of Homer, 491 East Pioneer Avenue, Homer, Alaska, until **4:30 p.m., Friday June 19, 2015.**

The time of receipt will be determined by the City Clerk's time stamp. Proposals received after the time fixed for the receipt of the bids shall not be considered. All firms submitting proposals must be listed on the "Plan Holder's List" maintained by the City Clerk. All bidders must submit a City of Homer Plan Holders Registration form to be on the Plan Holder's List and to be considered responsive. Plan holder registration forms, and Plans and Specifications are available on line at <http://www.cityofhomer-ak.gov/rfps>. Respondents not on the plan holder's list shall be deemed unresponsive and shall not be considered. The City shall not accept faxed proposals.

For proposal specifications and evaluation criteria please visit the city website <http://www.cityofhomer-ak.gov/rfps> or contact:

City Clerk's Office
491 E. Pioneer Avenue
Homer, Alaska 99603
907-235-3130

Please direct all questions regarding this project to:

Robert Painter, Fire Chief
604 E. Pioneer Ave.
Homer, Alaska 99603
907-235-3155, Extension 1

The intent of this proposal effort is to provide an opportunity for fire apparatus manufacturers and service centers to bid on the project to refurbish an existing fire engine to NFPA Level 2 requirements. This is the first of two projects to be considered (the second to follow the initial project).

CITY OF HOMER

Katie Koester
Katie Koester, City Manager

Advertisement:

Homer News – May 21, 2015
Homer Tribune – May 27, 2015
Acct. No. 100-0150-5227

**Request for Proposals
Homer Volunteer Fire Department
Tanker 2 Refurbishment
2015**

- I. Overview – The City of Homer, Homer Volunteer Fire Department is seeking proposals to perform a Level II Refurbishing as outlined in NFPA 1912 Fire Apparatus Refurbishing, 2011 Edition. The apparatus is a 1989 E-One Tanker/Pumper, 6-wheel drive, 2000 gallon tank with 1500 GPM Hale pump.
 - a. As a Level II Refurbishment is primarily an “advise and repair/replace as approved” project, all work outside that specified shall be approved prior to beginning the modifications to the apparatus.
 - b. The “Optional Equipment/Work” is to be quoted separately per item. The Fire Department will determine what additional work/equipment may be added to the project once the initial service and inspection work is completed.
- II. Proposals shall be submitted, in writing to:

Robert Painter, Chief
C/O City of Homer
City Clerk’s Office
491 E. Pioneer Ave.
Homer, AK 99603
E-mail: clerk@ci.homer.ak.us

Questions should be directed to:
Robert Painter, Chief
(907) 235-3155
E-mail: rpainter@ci.homer.ak.us
- III. Carrying Capacity
 - a. Tanker 2 is designed to carry 5 fire personnel including the driver/operator. No changes to this configuration shall be allowed.
- IV. Frame – inspect for wear, broken or loose bolts or other fittings, bent or damaged members, or other components.
 - a. Advise of any repairs or modifications needed.
- V. Drivetrain – inspect all components of the drivetrain for wear, balance, stress cracks, or other damage, including the drive shaft, end yokes, flanges, universal joints and associated mountings.
- VI. Engine and Engine System Design – inspect the engine and all related accessories for wear, fluid leaks, loss of power, excessive smoke, or other potential problems.
 - a. All belts and filters shall be replaced
 - b. The vehicle engine shall be services to manufacturer’s specifications for the model year/hours on the engine.

- VII. Cooling System – inspect all portions of the cooling system for leaks, blockages, wear, and other conditions that could affect the cooling of the vehicle’s engine.
 - a. The cooling system shall be flushed, and new coolant that meets the engine manufacturer’s requirements shall be added.
- VIII. Lubrication System – inspect for wear, leaks or other problems that could affect the performance of the system.
- IX. Fuel and Air Systems – inspect for wear, leaks, and other problems that could affect the system.
 - a. All fuel system filters and air system filters shall be replaced.
- X. Exhaust System – inspect all portions of the system for leaks, loose hangers, rusted tubing, wear, and other problems that could affect the performance of the exhaust system.
- XI. Braking Systems – inspect all components of the braking system for excessive wear, leakage, loss of performance or other problems that could affect braking of the apparatus, including exhaust brakes.
- XII. Suspension – inspect all axles and wheels, springs, hangers, mountings, and suspension system accessories for wear, stress cracks, sagging, improper bolt torque, or other problems.
 - a. The refurbished apparatus shall meet all applicable federal and Alaska state weight ratings upon completion.
- XIII. Steering – inspect the entire system, including steering box, steering gear, drag links, power steering pump,, hose, and accessories for wear, leakage, loss of performance or other problems.
 - a. Replace existing turn indicator with automatic cancelling indicator on steering column.
- XIV. Transmission/Transfer Case – inspect all components of the transmission/transfer case, their mountings, and the associated accessories for wear, leaks or damage.
 - a. All fluid levels shall be checked and all filters replaced.
- XV. Fuel Tank – inspect all components of the fuel tank, its mountings and accessories for wear, leaks, or damage.
- XVI. Low Voltage Electrical Systems and Warning Devices
 - a. The existing lighting shall be replaced, where possible, with low voltage LED lighting to include: tail, brake and turn indicators, marker/running lights, compartment lights and all emergency lighting.
 - b. All existing wiring harnesses shall be inspected and replaced if worn.
- XVII. Load Management – a load management system shall be installed to protect the electrical system from damage and to allow continuous charging/conditioning of the vehicle batteries while plugged into shore power.
- XVIII. Optical Warning Devices – all shall be replaced with LED lighting to current NFPA specifications for new apparatus.
- XIX. Audible Warning Devices – all shall be replaced with suitable audible devices per NFPA specifications. No mechanical sirens will be permitted on the apparatus.

- XX. Driving and Crew Compartments
 - a. There shall be seating for 5 personnel: 3 in the cab of the vehicle, including the driver/operator and two in rear facing jump seats.
 - b. Seating shall be installed to incorporate “walk-away” SCBA storage, with the exception of the driver/operator seat. All brackets shall meet current NFPA recommendations
- XXI. Body, Compartment, and Hose Storage
 - a. The hose bed shall be capable of carrying 1,000’ of 5” nitrile hose with Storz couplings in the right side of the hose bed and 800’ of 3 inch nitrile hose on the left side of the hose bed.
 - b. Hose bed covers are to be installed to comply with current NFPA standards.
 - c. Crosslays will consist of 2 trays for 1 ¾” preconnected lines of 200’ nitrile hose and 1 tray for 3” preconnected 200’ nitrile hose. Appliances to secure the attached nozzles (gated wye on the 3 inch) shall be provided and installed on the apparatus. (hose will be placed once the unit arrives at its final destination)
 - d. Compartments shall be lighted, with dry-decking installed in the bottoms of each compartment.
 - e. The existing Zico ladder lowering device on the office side of the apparatus will be maintained and serviced according to manufacturer’s recommendations.
- XXII. Metal Finish – the entire cab and body shall be completely cleaned and prepped for repainting and refinished in the same color. All lettering shall be similar as to what currently exists on the apparatus.
 - a. It is our intent to add rear chevrons, per current NFPA standards, to the apparatus. Recommendations for accomplishing this are expected.
- XXIII. Fire Pump – the fire pump shall be completely overhauled per manufacturers recommendations.
 - a. An on-board Foam Pro Class A and Class B foam, shall be installed on the apparatus to provide either type foam to all pre-connected fire hoses.
 - b. 40 gallons of Class B foam, and 20 gallons of Class A foam will be the minimum levels permitted.
 - c. It shall be required to be able to refill foam tanks from the ground.
 - d. Foam tank level indicator lights are to be mounted on pump panel.
- XXIV. Water Tank – inspect tank for leaks, damage or corrosion that would reasonably result in a leak in the near future.
- XXV. Equipment Carried on the Fire Apparatus – there will be no new equipment provided with the apparatus, except for the that specified below.
 - a. The top-mounted electrical generator shall be replaced with a new, comparable rated Honda generator and wired to provide line voltage power to all external junction boxes and pole mounted scene lights. A diesel powered generator, if can be plumbed to the vehicle fuel system, will be considered.
 - b. The pole mounted scene lights shall be replaced with comparable lumen LED lighting to reduce the voltage demands on the generator.

XXVI. Existing Communications Equipment - shall be retained and reinstalled following refurbishment of the apparatus. This includes primary radio and headset system.

XXVII. Test and Delivery Data Requirements

a. The refurbished apparatus shall be completely tested and certified by the company providing the refurbishment, as per NFPA 1912, 2011 edition, including:

- i. Pump testing
- ii. Pumping Engine Overload Test
- iii. Pressure Control Device Test
- iv. Priming System Test
- v. Vacuum Test
- vi. Water Tank-to-Pump Flow Test
- vii. Water Tank Capacity Test
- viii. Low-voltage Electrical System Test
- ix. Line-voltage Electrical System Test
- x. Foam System Test
- xi. Road Test
- xii. Delivery Acceptance Testing – will be conducted on the manufacturer's site prior to delivery of the apparatus. A representative of the fire department shall witness final acceptance testing.

XXVIII. Optional Equipment/Work (to be quoted per item, separately)

- a. Provide and install electric intake valves on draft hose intake ports.
- b. Provide and install Electronic Pump Control FRC model J1939, or comparable.
- c. Modify pump access panels to a button/latch system to facilitate ease of removal for service and maintenance.
- d. Provide and install a TFT Extend-a-Gun Package (XFC-1)
- e. The Tank Level Gauge was recently replaced. We would like to add indicators in the cab and rear of the apparatus (visible from the ground).
- f. Provide and Install air horn remote activation button on pump panel for use by engineer.
- g. Provide and install clapper'ed tank to pump valve, if not previously installed.
- h. Modify Fol-da-tank, compartment by removing exterior compartment, except for most forward compartment for single SCBA, finish new exterior surfaces, and install a Zico Quick-Lift System to carry the existing tank, with finished exterior.
- i. Provide wireless interface between Engineers headset and existing Sigtronics system.

XXIX. Delivery

- a. The successful bidder will submit proposals for the delivery both to and from the site of the work to be done. Homer Alaska is situated on the road system so the apparatus can be driven overland, driven and barged to a suitable port of call, or shipped via flatbed trailer/truck to the shop location.