

A RESOLUTION AUTHORIZING THE CALL )  
FOR BIDS FOR A HYDRA FLUSHER. )

RESOLUTION NO. 5  
for 1976

WHEREAS, the Council of the City of Lebanon has considered the specifications attached and agree to the provisions of the conditions contained therein, and wishes to call for bids.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LEBANON:

That the Council hereby approves and endorses the specifications, and directs the City Recorder to advertise for bids for the sale to the City of a Hydra Flusher according to said specifications.

Passed by the Council and approved by the Mayor this 8<sup>th</sup> day of March, 1976.

Mr. Germain Gonzalez  
Mayor

ATTEST:

Robert E. Jones  
City Recorder

C I T Y O F L E B A N O N

OREGON

INVITATION TO BID

The City of Lebanon, Oregon hereby extends an invitation to submit bids to furnish the following equipment:

One 1976 Truck Chassis with One High Pressure  
Jet Cleaner, mounted, complete in one unit.

The equipment shall be in accordance with specifications as prepared by the City of Lebanon. Prices bid shall be the gross price of the equipment delivered F.O.B. Lebanon, Oregon. Copies of the specifications may be obtained from the Public Works Office, City Hall, P.O. Box 86, Lebanon, Oregon.

Bids submitted shall be filed in sealed envelopes stating clearly those items of equipment being bid upon, no later than 1:30 P.M., March 23, 1976 at the Records Office in the City Hall.

Immediately following the filing deadline, the received bids shall be publicly opened and read in the Public Works Office of the City Hall. The bids shall then be tabulated and a report made to the Lebanon City Council at the regular meeting to be held on March 23, 1976, 7:30 P.M. in the City Hall.

Delivery is desired immediately and will be a contributing factor in the award to the successful bidder.

Bids submitted shall be accompanied by a bid guarantee consisting of money order, check, cashiers or certified check or bid bond equal to ten per cent (10%) of the total amount of the bid. This bid guarantee shall be forfeited in accordance with delivery date as stated in the bid proposal.

The right is reserved by the city to reject any or all of the bids, to waive informalities or to accept the proposal that appears to be most advantageous to the city.

ROBERT E. NOREN  
City Administrator  
City of Lebanon

Publish: March 11 and 18, 1976

## GENERAL CONDITIONS

### ON JET CLEANER

1. Each bidder shall answer completely all questions on the attached questionnaire covering the equipment he proposed to furnish. A general answer, such as "Meets Specifications" will not be satisfactory. The questionnaire shall be attached to the bid when the bid is submitted.
2. All equipment shall be completely assembled and ready for use when delivered.
3. The bid price shall include delivery, F.O.B. City Shops, located at 4th and Oak Streets, Lebanon, Oregon, unless noted otherwise.
4. All bids shall state the time of delivery. Failure to meet delivery date shall disqualify bidder from further bidding.
5. The successful bidder shall be required to furnish one Parts Book, two (2) Operator's Manuals, and one Shop Maintenance Manual for truck chassis and jet cleaner.
6. Prices bid shall exclude Federal Excise Taxes from which Municipal Agencies are exempt.
7. All equipment bid shall fully comply with all requirements of all state and federal laws relative to such equipment which includes safety lights and clearance lights.
8. Each bidder shall furnish with his bid complete information concerning the equipment warranty to be provided. Such warranty shall provide for warranty repairs of equipment in Oregon.
9. TIME DISCOUNTS: Due to the City's schedule for payment of invoice, discounts allowed for payment in less than 20 days from receipt of equipment can be considered in award of the bid.
10. PARTS: The bidder shall provide repair parts service within 72 hours after receipt of order. Failure to supply repair parts in accordance to the above provisions will result in the bidders name being removed from the City's bidders list. Also bidder shall state nearest source of repair parts for engine and machine.
11. Paint of unit to match truck chassis.

SPECS & PROPOSAL FOR ONE  
NEW & UNUSED 1976 TRUCK CHASSIS

1. Gross Vehicle Weight. . . . . Minimum 21,000 Lbs.
2. Cab to Rear Axel. . . . . 84 Inches Minimum
3. Engine: Cu. In. Displacement . . . 350 Minimum
4. Frame . . . . . Single Channel - Heavy Duty
5. Front Axel. . . . . 5,000 Lbs. Minimum
6. Rear Axel . . . . . 15,000 Lbs. Minimum
7. Electrical System
  - Battery . . . . . 70 Amp
  - Alternator. . . . . 60 Amp
8. Brake . . . . . Hydraulic with Vac. Booster
9. Gauges. . . . . Oil, Gas, Temp, Amp.
10. Clutch. . . . . Heavy Duty
11. Transmission. . . . . 5 Speed
12. Springs - Front Each. . . . . Standard - Heavy Duty
  - Rear Each . . . . . Standard - Heavy Duty
13. Wheels. . . . . Budd Type
14. Tires . . . . . 8:25 X 20 - 12 Ply
15. Oil Filters . . . . . Full FLOW
16. Lights. . . . . Turn signals front and rear "A"  
steering post mounted switch and all  
safety lights as required by law, with  
4 Way Emergency Flashers

- Lights. . . . . Shall have flashing strobe type  
yellow emergency lite mounted above  
vehicle so as to be visible from all  
directions. Switch shall be installed  
in cab.
17. Glass . . . . . All safety type
18. Windshield Accessories . . . . . Dual electric wipers and washers
19. Rear View Mirrors. . . . . Heavy Duty West Coast Mirror 7"X15"  
mounted on each side of cab
20. Heater & Defroster . . . . . Fresh Air and Heavy Duty
21. Cab. . . . . Dome light, cigarette lighter,  
ash tray and glove compartment
- Upholstery . . . . . Heavy duty vinyl on standard seats
22. Power Steering . . . . . Power Assist
23. Fuel Tank. . . . . Standard
24. Color. . . . . White to be designated at Bid Award
25. One Spare . . . . . Budd Wheel and 8:25 X 20 12 Ply Tire  
which shall be mounted on truck

ONE (1) HYDRAULIC SEWER JET MACHINE MEETING THE FOLLOWING MINIMUM SPECIFICATIONS

A. GENERAL -

1. Mounting - To be mounted on a truck chassis minimum 21,000 GVW with a 84" C.A. machine to be tied to a truck chassis by U-Bolts, NO WELDING will be accepted.
2. Engine - 240 cubic inch displacement gasoline powered liquid cooled. Accessories shall include electric starting with 50 A/hr. battery and alternator, governor, fuel pump and key ignition. Cooling system shall be filled with permanent anti-freeze to -10° F. Appurtenant equipment shall include a replaceable element oil filter, adjustable throttle, choke and clutch type power take-off. A tachometer, water level, water pressure gauge and hour meter shall be mounted on the instrument panel.
3. All engine controls or gauges shall be mounted in a position convenient the operator. Gauges shall include oil pressure, ammeter and temperature gauge.
4. Paint - White

B. PUMP

1. Drive - Through a matched set of vee belts. Provision shall be made for alignment and tightening of pulleys.
2. Type - 3 cylinder or 5 cylinder positive displacement piston pump, capable of delivering 70 U.S. gallons per minute against a 1200 P.S.I. head. Pump operating speed shall be approximately 500 RPM.
3. Lubrication - Shall be splash lubrication in power end of pump. Indicator shall be provided to check lubricant level.
4. Liquid End - Cylinder body shall be constructed of fine grain cast or ductile iron. Ceramic or approved equal cylinder liners shall be provided.
5. A removable screen shall be installed in the pump suction line to prevent harmful material from entering pump.

C. PLUMBING -

1. All piping and fittings to be designed to withstand maximum pressures produced and allow an adequate safety factor. The Plumbing system shall be provided with drain cocks at low points in the system for drainage.
2. Pressure Regulator - The pump shall be equipped with an adjustable pressure regulator, to provide regulation of discharge pressure from approximately 300 to 1200 P.S.I.

D. WATER STORAGE TANK -

1. Construction - The chassis mounted 1,200 U.S. gallon water storage tank shall be constructed of 10 gauge hot rolled sheet steel or ten gauge high strength low alloy steel. Tank heads and baffles to be reinforced. Baffle spacing shall be approximately 30 inches.

The tank shall be equipped with a manhole or removable top and in line strainer for filling from hydrant. The tank interior shall be coated with an epoxy resin type protective coating minimum of 10 Mil, two coats. Access to be supplies to top of tank by fixed ladder.

2. Filler - The tank shall be equipped for curbside filling with a 2 1/2" N.S.T. fitting on each side of equipment. The tank filler shall be equipped with a check valve or anti-siphon dome. The tank shall be equipped with an adequate pressure relief valve, and/or non-siphoning overflow. The low point in tank or adjacent plumbing shall be provided on both sides of vehicle. An automatic float valve, heavy duty, shall be installed on the fill system.

E. HOSE REEL -

1. Type - Hydraulic powered, with reversing motor. Reel shall be equipped with manual re-wind.
2. Hose Reel Capacity - Hose reel shall be capable of holding a minimum of 600 feet of 1" I.D. rubber hose. A manual level wind and hose guide shall be provided. A 600 Ft. length of 1" I.D. plastic hose shall be provided on reel in not more than two sections. Hose operating pressure rating 2,000 Lbs. P.S.I. and tensile strength of 4,000 P.S.I. Minimum warranty for one year against defects in material or workmanship.

3. Hydraulic System - Engine driven pump with adequate oil reservoir, filter, and overload bypass valve. Hose reel forward and reverse valve shall be adjustable speeds operating at full power. If machine is equipped with lever control (forward and reverse) it shall be of a dead-man type control.

F. ACCESSORIES -

1. Hose - 3 - 100 Ft. continuous section of 1" I.D. Plastic hose, the same as bid, in addition to hose supplied with machine.
2. Cleaning Nozzles - One (1) 15 degree nozzle and one (1) 20-35 degree nozzle both with forward jets. Nozzle to have adequate length to prevent it from entering a home service line.
3. High Pressure Cleaning Gun - A special hand cleaning gun and necessary plumbing to be provided. Gun shall be equipped with 25 Ft. of 1/2" high pressure hose and quick disconnect coupling on control panel connected to high pressure system by valve. Gun shall have "Hand Grip" type operators valve.
4. Hose Guide - One (1) hose roller or shoe designed to protect hose from wear by preventing hose to come in contact with sharp corners on the sewer pipe line entrance. The hose guide shall be equipped with the adequate number of detachable sections to reach to a 30 Ft. depth. Machine equipped with remote man-hole setup for top and bottom of manhole.
5. Built into the unit shall be tool compartments of sufficient size to carry all necessary hose guide, nozzles, fire hose and tools required for operation of the equipment.
6. Hose Footage Meter - 3 Digit - Meter to be mounted at rear operating controls within easy access of operator. Meter shall show distance of hose travel in feet and may be reset at any stage of operation.
7. Rear Spotlight - Spot light to be mounted rear of chassis that will illuminate interior of manhole during cleaning operation.
8. Root Cutting Attachment - Complete root cutting motor assembly and all attachments necessary for operation in 6", 8", 10" and 12" sewer lines with storage tank for motor assembly.
9. Water Filler Hose - 2 1/2" Double-Jacketed Water Hose and all fittings necessary for filling from fire hydrants.

10. Hose Repair Kit - Complete hose repair kit with four (4) stainless steel clamps and two (2) hose splicers for one (1) inch hose.
  11. Upper Hose Guide - To protect hose from damage at manhole entrance.
  12. Weather Cap - Rear Canopy for protecting operator from inclement weather that folds downward and locks over controls.
  13. Easement Kit - Complete Roller Assembly for cleaning manholes that are at a distance from truck.
    - 1 - Truck Mounted Roller Sub-Assembly
    - 1 - Top Manhole Roller Sub-Assembly
    - 2 - Extension Roller Sub-Assembly
- G. WARANTEE - To be supplied by Bidder.
- H. TRAINING - Supplier and/or a trained factory representative shall provide at least two days training upon delivery of machine, also there shall be two service calls during the first six months.

GENERAL

MODEL \_\_\_\_\_ MAKE \_\_\_\_\_

MOUNTING \_\_\_\_\_

HOSE REEL SYSTEM

MAKE \_\_\_\_\_ MODEL \_\_\_\_\_

TYPE \_\_\_\_\_ REEL CAPACITY \_\_\_\_\_

HYDRAULIC MOTOR \_\_\_\_\_ FORWARD, REVERSE VALVE \_\_\_\_\_

OIL FILTER \_\_\_\_\_ OIL RESERVOIR \_\_\_\_\_

OVERLOAD BYPASS VALVE \_\_\_\_\_ DEAD MAN CONTROL \_\_\_\_\_

MANUAL REWIND \_\_\_\_\_ OTHER \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

HIGH PRESSURE HOSE

MAKE \_\_\_\_\_ MODEL \_\_\_\_\_

LENGTH \_\_\_\_\_ FITTINGS \_\_\_\_\_

OPERATING PRESS \_\_\_\_\_ TENSILE STRENGTH \_\_\_\_\_

WARRANTY \_\_\_\_\_ SIZE \_\_\_\_\_

OTHER \_\_\_\_\_

\_\_\_\_\_

ACCESSORIES

CLEANING NOZZLES \_\_\_\_\_ NO. OF NOZZLES SUPPLIES \_\_\_\_\_  
NOZZLE MATERIAL \_\_\_\_\_ MANHOLE HOSE GUIDE \_\_\_\_\_  
HOSE GUIDE \_\_\_\_\_ CLEANING HOSE GUN \_\_\_\_\_  
CLEANING GUN VALVE, MAKE \_\_\_\_\_  
EXTRA HOSE, LENGTHS \_\_\_\_\_  
MANHOLE SETUP \_\_\_\_\_  
FOOTAGE METER \_\_\_\_\_  
REAR SPOTLIGHT \_\_\_\_\_  
ROOT CUTTING ATTACHMENT MOTOR & SKID \_\_\_\_\_  
SAW ATTACHMENTS TYPE & SIZE \_\_\_\_\_  
WATER FILLER HOSE \_\_\_\_\_  
HOSE REPAIR KIT \_\_\_\_\_  
WEATHER CAP \_\_\_\_\_  
MULTIPLE ROLLER GUIDE ASSEMBLY \_\_\_\_\_  
OTHER \_\_\_\_\_

WATER TANK

TANK CAPACITY \_\_\_\_\_ TANK HEADS, MATERIAL \_\_\_\_\_  
TANK BAFFLES, MATERIAL \_\_\_\_\_ HEAD REINFORCEMENT \_\_\_\_\_  
TANK CONSTRUCTION, MATERIAL \_\_\_\_\_ BAFFLES, SPACING \_\_\_\_\_  
ACCESS MANHOLE \_\_\_\_\_ TANK COVERING, MATERIAL \_\_\_\_\_  
PRESSURE RELIEF VALVE \_\_\_\_\_ N.S.T. VALVE, EACH SIDE \_\_\_\_\_  
FILLER HOSE, DOUBLE JACKETED \_\_\_\_\_ DRAIN COCKS \_\_\_\_\_  
OTHER \_\_\_\_\_

HIGH PRESSURE PUMP

MODEL \_\_\_\_\_ CYLINDER LINING \_\_\_\_\_  
NO. OF CYLINDERS \_\_\_\_\_ PLUNGERS \_\_\_\_\_  
BELTS, TYPE \_\_\_\_\_ SCREEN \_\_\_\_\_  
OTHER \_\_\_\_\_

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GASOLINE ENGINE

MODEL \_\_\_\_\_  
NO. OF CYLINDERS \_\_\_\_\_ COOLING \_\_\_\_\_  
GENERATOR \_\_\_\_\_ IGNITION \_\_\_\_\_  
FUEL FILTER \_\_\_\_\_ GOVERNOR \_\_\_\_\_  
OIL PRESSURE GAUGE \_\_\_\_\_ ENGINE CONTROL & GAUGES \_\_\_\_\_  
WATER LEVEL GAUGE \_\_\_\_\_ WATER PRESSURE GAUGE \_\_\_\_\_  
OTHER \_\_\_\_\_

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PLUMBING

FITTINGS \_\_\_\_\_  
REGULATOR \_\_\_\_\_  
DRAIN COCKS \_\_\_\_\_

1976 TRUCK CHASSIS

G.V.W. \_\_\_\_\_ CAB TO REAR AXLE \_\_\_\_\_  
MAKE \_\_\_\_\_ ENGINE DISPLACEMENT \_\_\_\_\_  
MODEL \_\_\_\_\_ NET H.P. \_\_\_\_\_  
FRONT AXLE \_\_\_\_\_ BATTERY \_\_\_\_\_  
REAR AXLE \_\_\_\_\_ ALTERNATOR \_\_\_\_\_  
BRAKE \_\_\_\_\_ GAUGES \_\_\_\_\_  
CLUTCH \_\_\_\_\_ TRANSMISSION \_\_\_\_\_  
WHEELS: TYPE \_\_\_\_\_ OIL FILTERS \_\_\_\_\_  
TIRES \_\_\_\_\_ LIGHTS \_\_\_\_\_  
EMERGENCY 4-WAY FLASHERS \_\_\_\_\_  
AMBER STROBE LIGHT \_\_\_\_\_  
GLASS \_\_\_\_\_  
WINDSHIELD ACCESSORIES \_\_\_\_\_  
MIRRORS \_\_\_\_\_  
HEATER & DEFROSTER \_\_\_\_\_ UPHOLSTERY \_\_\_\_\_  
CAB ACCESSORIES \_\_\_\_\_ POWER STEERING \_\_\_\_\_  
FUEL TANK \_\_\_\_\_ COLOR \_\_\_\_\_

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

WARRANTY: JET CLEANER \_\_\_\_\_

TRAINING \_\_\_\_\_

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

TOTAL BID \_\_\_\_\_