

CITY OF SAN LEANDRO
REQUEST FOR QUOTATION

SUBMIT BID TO: City of San Leandro Purchasing Department 835 East 14th Street San Leandro, CA 94577	FOR FURTHER INFORMATION CALL: Darryl Sweet Purchasing Supervisor (510) 577-3377 fax (510) 577-3312
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BID NO: 02-03.031	DATE MAILED: March 4, 2003	THIS QUOTATION MUST BE DELIVERED TO THE CITY BEFORE: 3:00 P.M. , Wednesday, March 26, 2003
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QTY.	DESCRIPTION	UNIT PRICE	EXTENSION
1	<p style="text-align: center;">ONE (1) CURRENT MODEL YEAR TWO (2) AXLE TRUCK MOUNTED COMBINATION JET RODDER/CATCH BASIN CLEANER</p> <p style="text-align: center;">Notice to Bidders</p> <p>Provide one (1) current model year two (2) axle truck mounted combination jet rodder/catch basin cleaner in accordance with the attached specifications.</p> <p>Make/Model: _____</p> <p>Specify Warranty: _____</p> <p>All bidders must submit with their proposal sufficient literature to show compliance with specifications. Any deviations from specifications must be clearly indicated in writing at the time the proposal is submitted. The City reserves the right to waive minor variations in specifications bid.</p> <p>Price bid must not include any taxes. The City is exempt from Federal excise tax and exemption certificates will be furnished if required. Do not include sales tax in your bid. Sales taxes will be paid at the time of invoice payment.</p> <p>State your earliest delivery date as requested. This date may be an important factor in award determination.</p> <p>The vehicle shall be completely serviced as recommended by the manufacturer prior to delivery to the City, and shall be delivered to the City with a full tank of fuel.</p> <p>The original report of sale shall accompany the vehicle upon delivery to the City. The name and address on the Dealer's report of sale shall read City of San Leandro, 835 E. 14th Street, San Leandro, California 94577.</p> <p>Sealed bids shall be received at the Purchasing Office, City Hall, 835 E. 14th Street, San Leandro, CA up to 3:00 p.m., on Wednesday, March 26, 2003 at which time they will be publicly opened and read.</p>	\$ _____ Each	\$ _____ Total

Any bid may be withdrawn at any time prior to the time fixed for the opening of bids only by written request for the withdrawal of the bid filed with the City. The request shall be executed by the bidder or bidder's duly authorized representative. The withdrawal of a bid does not prejudice the right of the bidder to file a new bid. Whether or not bids are opened exactly at the time fixed in the public notice for opening bids, a bid will not be received after that time nor may any bid be withdrawn after the time fixed in the public notice for opening of bids.

As stated in Public Contract Code Section 5100 to 5108, inclusive (State Contract Act) concerning relief of bidders and in particular to the requirement therein, that if the bidder claims a mistake was made in his bid, the bidder shall give the City written notice within five (5) days after the opening of the bids of the alleged mistake, specifying in the notice, in detail how the mistake occurred.

All bidders shall verify if any addendum for this project has been issued by the City. It is the bidder's responsibility to ensure that all requirements of contract addendum are included in the bidder's submittal.

The successful bidder shall submit a certificate of insurance showing compliance with the enclosed insurance requirements. This insurance shall be maintained at all times during the course of any resulting agreement. In addition, the successful bidder shall have the proper City of San Leandro business license and all other applicable licenses and permits.

The award will be made to the lowest responsible bidder whose bid complies with the specifications in a manner satisfactory to the City's best interests as determined by the City. The right is reserved, as the interest of the City may require, to reject any or all bids, or to waive any informality or minor irregularity in the bids.

Payment shall be within 30 days following acceptance of bid items.

- Delivery shall be F.O.B. destination
- Complete delivery _____ days from order
- There shall be no charge(s) for delivery of bid items.
- Cash Discount _____ in _____ days

To bid, complete and return a copy of the Request and the other required forms, sealed in the enclosed envelope. The envelope shall be marked with the project name and bid number. The bid must be received by the date and time shown in order to be considered. Please note that there is a one-day delay in mail delivery to City Hall by the U.S. Postal Service.

Delivery shall be to:
Public Works Service Center
14200 Chapman Road
San Leandro, CA 94577.

Firm _____
Address _____

By (Signature) _____
Title: _____

Date: _____
Phone: _____
FAX: _____
Print Name: _____



Darryl Sweet
Purchasing Supervisor

Specifications for

One (1) current model year two (2) axle truck mounted Combination Jet Rodder/Catch Basin Cleaner.

The following specifications are minimum unless otherwise specified.

Heavy Duty Truck Chassis

- Engine:** Diesel, 275 hp @ 2400 RPM.
- Transmission:** 5 speed automatic Allison MD-3066P or equivalent with external filter and cooler.
- G.V.W.:** 42,000 lbs. (20,000 lb. front axle, 22,000 lb. rear axle.)
- CAB:** Conventional Type
- W/B:** 204 inches
- C/A:** 142 inches
- Steering:** Factory installed, power-assisted.
- Brakes:** Air-operated, cam type front and rear. Air dryer, automatic moisture ejectors on air reservoirs. Spring applied parking brake. Air system and brakes to meet all state and federal requirements.
- Differential:** Geared to match engine, transmission and tires to provide a speed of 60 MPH at full gross load on a level surface.
- Electrical:**
- a. 12-volt system, 100 amp alternator.
 - b. Back up alarm.
 - c. Engine warning and shut down system.
 - d. Engine tachometer, gauges to monitor engine oil pressure, engine temperature, charging system, transmission temperature and air pressure gauge with low air alarm.
 - e. Factory installed AM/FM radio.
 - f. All lights and reflectors shall meet state and federal laws.

Wheels/Tires:

- a. Steel, 10 hole bud style wheels, 22.5 inch. Wheels painted white.
- b. Tires, radial with highway compound.
- c. One each spare tire and wheel, front and rear axle.

Fuel Tanks: 50 gallons.

Exterior:

- a. Factory applied white paint on all body areas.
- b. Frame to be painted black.
- c. Dual West coast style mirrors, Left/Right side fitted with 6 inch convex mirrors both sides.
- d. Tinted windshield and door glass.

Interior:

- a. Air ride seats, driver and passenger side, covered in dark gray vinyl.
- b. Seat belts in all seating positions.
- c. All painted areas to be white, matching exterior color.
- d. Full heavy-duty rubber floor mat.

Specifications for Combination Jet Rodder/Catch Basin Cleaner

The following specifications are minimum unless otherwise specified*

1. The machine shall be capable of removing stones, grit, grease, sludge and other debris from sanitary sewer and/or storm drain lines by the flushing action of high pressure water.
2. The high-pressure sewer cleaner shall operate independent of the vacuum system.
3. The machine shall include an air conveying vacuum system to provide for the simultaneous removal of the debris flushed to the manhole by the high pressure water system or for the removal of debris from sewers, sumps, catch basins, digesters, wet wells, bar screens, etc.
4. the machine shall be capable of being operated by one person, with all operating controls for high pressure water pump, hose reel, and vacuum, located at the front of the machine for safety. This is an essential safety feature, no exceptions will be allowed.

Debris Body

- a) Body shall be round for maximum strength and constructed of 3/16" Exten or Corten steel for corrosion resistance. Body painted white.
- b) Debris storage body shall have a minimum useable liquid capacity of 5 cubic yards. Rear door to be hinged at top, equipped with neoprene seal to prevent leakage.
- c) A 5-inch butterfly drain valve with 10 feet of discharge hose shall be provided.
- d) Debris tank door to be hydraulically opened and closed, incorporating a hydraulically operated locking device.
- e) Debris body shall be dumped by raising the body to a 45-degree angle utilizing a forward mounted, double acting power up/power down, hydraulic dump cylinder.
- f) The lift capacity of hydraulic lift cylinder to be 56,000 lbs.
- g) Operator controls for dumping and rear door activation to be on curbside directly behind cab. A manual override system shall be provided in case of system failure.
- h) Debris body to be equipped with a flush out system.
- i) An internal float device with external indicator shall be supplied to show when body is loaded to capacity.
- j) The machine will be powered with a system that allows material separation and reduces the possibility of material being discharged into the atmosphere. Please explain how your system works.

Trash Pump

The debris body shall have the ability to pump excess water back to the manhole without interrupting the vacuum operation. The system shall consist of a 3-inch, hydraulically driven trash pump externally mounted on debris body as low as possible with gate valve. Trash pump shall be capable of passing 3-inch solids and be rated at 250 G.P.M. capacity. 35-foot discharge hose with coupler and storage rack for hose shall be provided with unit.

Vacuum System

- a) To be centrifugal compressor type (fan design) minimum 2 stage.
- b) The centrifugal compressor (fan) shall be constructed of aluminum or corten steel.
- c) The compressor shall operate independent of the high pressure water system.
- d) A means of starting, stopping, and varying the vacuum suction from

- operator station at the front of the machine must be provided.
- e) The fans outer housing shall be spun from one piece of 3/16" steel for strength and provide proper airflow in operation.
 - f) A centrifugal or cyclone type separator with clean out box shall be provided. The separator shall remove particles from the air stream, this enabling unit to vacuum wet or dry material. The separator shall be separate from the debris body.
 - q) The centrifugal compressor (fan) system must be capable of producing 90% vacuum with no air flow. This is an essential feature in the application where material needs to be vacuumed under the water surface, i.e. lift stations, plugged manholes etc.
 - h) System must be capable of vacuuming under water (200") without special attachments.
 - i) Centrifugal compressor fans shall have a five-year replacement warranty.
 - j) Please explain how you drive your vacuum system.

Water Tanks

- a) The water tanks shall have a minimum usable capacity of 850 U.S. gallons.
- b) The water tanks shall be constructed of non-corrosive, durable, cross-linked polyethylene or aluminum to eliminate rust, corrosion, and stress cracking.
- c) The water tank shall be mounted at and below the truck frame level to provide a low gravity for truck stability.
- d) A 2½" diameter X 25' long hydrant hose with hydrant wrench shall be supplied on the unit.
- e) An anti-siphon fill device shall be installed on the unit.
- f) A sight gauge to indicate water level shall be located within sight of the operator station.
- g) Water tanks shall have a ten-year replacement warranty.

Auxiliary Engine

- a) The shrouded auxiliary engine shall be a liquid cooled, turbo-charged diesel powered heavy-duty industrial engine. The engine shall have sufficient horsepower to operate the system it is driving.
- b) The engine shall come equipped with a counter balanced crankshaft, rubber isolating mounts, automatic safety shut downs for low oil pressure and high water temperature, as well as an exhaust silencer.
- c) All gauges for normal operation shall be located at a control panel. The control panel will consist of tachometer, water temperature, oil pressure, hour meter, and automatic shut down feature.
- d) Auxiliary engine start/stop control will be located at the front hose reel operator station for safety and convenience.

- e) Shrouded auxiliary engine will have a hinged or sliding door for access to the engine to service and check fluid levels.

Vacuum Pickup Hose

- a) Shall be front loading, attached at the front of the machine in order to provide ease of positioning the machine over the manhole, as well as afford maximum safety for the operator.
- b) The 8" diameter hose will be mounted on a boom, which will provide a minimum of 18' of vertical lift utilizing hydraulic cylinders. And 180 degrees of boom rotation powered hydraulically for non-interrupted smooth movement. Boom to have a lift capacity of 500 lbs. at the front bumper.
- c) The boom will be powered by an electric over hydraulic system. All up/down, right/left and in/out movements shall be driven via hydraulics.
- d) A manual override system shall be provided for in/out, left/right, and up/down functions in case of system failure.
- e) The boom shall hydraulically telescope a minimum 8' forward from the front operator's station. The height of the pickup hose shall not change while the boom is being telescoped. The boom shall extend a minimum of 23' from the center line of rotation.
- f) Control of the boom shall be by means of a "joystick" control at the operator's station, requiring no cables at the operators feet for boom operation. A 6-way remote pendant station with a vacuum breaker shutdown switch will also be provided.
- g) Pipe extensions to clean to a depth of 30' will be carried on board the truck as follow – 1 ea. 6'6" nozzle, 1 ea. 6', 3 ea. 5' and 1 ea. 3' aluminum pipe extensions. There shall be a heavy-duty steel affixed elbow to the end of boom.

High Pressure Water Pump

- a) The high-pressure water pump shall be provided so that it delivers continuous pressure and flow through the entire flow range of the pump.
- b) A continuous duty of 80 G.P.M and 2000 P.S.I. shall be provided. The pump will be supplied with a variable flow valve or multi-flow system.
- c) High-pressure relief valves shall be provided for both the high pressure and handgun system.
- d) The high-pressure water pump shall operate independently of the vacuum system.
- e) The high-pressure water pump drive system shall carry a five-year replacement warranty. Warranty excludes the drive engine.
- f) The water pump shall be capable of running dry.
- g) Controls for starting and stopping the water pump and to vary the flow and pressure shall be at the front hose reel operator's station.
- h) The high-pressure water pump will be equipped with cold weather drain valves, allowing the operator to completely drain the high-pressure pump.

Hose Reel Assembly

- a) The hose reel assembly shall be on the front of the vehicle. The hose reel shall have a minimum of 30" inside diameter with a capacity of 600'X1" hose.
- b) The hydraulic motor, chain and sprockets will have a protective cover or be mounted on the radiator side of the hose reel for operator safety.
- c) The hose reel will be hydraulically powered in both directions by means of a double chain and sprocket drive or hydraulic planetary gear reducer. The controls for operating the motor shall have a flow control device to regulate the rotational speed of the reel in both directions. All hydraulic hoses shall be behind a steel housing to protect operator from hydraulic oil if a hose fails.
- d) The hose reel will rotate or articulate a minimum of 180 degrees allowing the operator to work in any position through this arc. This allows greater flexibility in truck placement for manholes located in tough areas and provides greater safety to the operator.
- e) A manual bypass system for the hose reel assembly shall be provided to manually pull the reel assembly away from its transported position. This allows to check fluids without starting engines.

Manhole Cleaning System (Hand Gun)

- a) The high-pressure pump and independent water tank assembly supplied shall be used for manhole cleaning.
- b) A continuous flow of 20 G.P.M. and pressure of 600 P.S.I. shall be provided for ease of opinion.
- c) A handgun relief valve set at 600 P.S.I. shall be provided.
- d) One full functioning handgun with on/off hand control, replaceable nozzle tip, 12" extension, adjustable spray and 50' X ½" high pressure hose mounted on spring loaded retractable reel with quick disconnects will be provided.
- e) The handgun will attach to the system via a quick couple connection at the curbside of the unit. To avoid being coiled at the operators station a handgun holder will be provided at the front bumper.

High Pressure Jet Hose

- a) 600'X1" high-pressure jet hose, rated for 2500 P.S.I. working pressure and 6250 P.S.I. burst pressure will be provided with unit.
- b) A heavy-duty hose guide with 25' of nylon rope will be provided. a dual roller rewind guide will be supplied.
- c) Nozzles will be provided as follows.
 - 1 ea. Chisel head penetrating nozzle with tungsten carbide inserts.
 - 1 ea. 30 degree sanitary nozzle with tungsten carbide inserts.
 - 1 ea. degree sand nozzle with tungsten carbide inserts.

Hydraulic System and Lubrication

- a) The hydraulic system shall have a 45 gallon capacity.
- b) The hydraulic system shall incorporate pressure relief valve in case of hydraulic failure.
- c) The hydraulic system shall incorporate pressure relief valves and pressure gauges for ease of trouble shooting and maintenance.
- d) The unit shall be equipped with a permanent weather-proof white vinyl lubrication chart specifying what type of lubricants are required and also specify the frequency of each lubrication point.
- e) Remote plumbed grease fittings shall be provided for the vacuum compressor, boom rotation and water pump drive areas.

Miscellaneous:

- Boom lights on telescopic boom with retractable reel and on/off switch.
- Arrow board at rear of debris body with controls inside cab.
- Weatherproof tool boxes mounted on either side of unit, reachable from ground level. Tool boxes to be keyed alike.
- Safety indicator lights installed inside cab for boom raise and debris body raise.
- Front and rear amber strobe lights installed.
- Electric back-up alarm.
- Ten-foot leader hose.
- Fire extinguisher – 5lb. installed inside cab.
- Hose footage counter – left-hand mounted.
- hand-held spot light.

Training:

One (1) day of operator/maintenance personnel training conducted by factory trained rep. to be provided. An operational video will be provided with unit. On copy of operating and maintenance manual for sewer cleaner to be provided. One copy of maintenance manual cab/chassis to be provided.