

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: 02-03.028	DATE MAILED: December 19, 2002	THIS QUOTATION MUST BE DELIVERED TO THE CITY BEFORE: 3:00 P.M. , Tuesday, January 21, 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 specifications abw_92602_2631_882.</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 Tuesday, January 21, 2003 at which time they will be publicly opened and read.</p>	\$ _____ Each	\$ _____ Total

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Any bid may be withdrawn at any time prior to the time fixed for the opening of bids only by written request for the withdrawal of the bid filed with the City.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
02-03.028**

The following specifications are minimum unless otherwise specified.

Heavy Duty Truck Chassis

- Engine:** Diesel, 300 hp @ 2400 RPM.
- Transmission:** 5 speed automatic Allison MD-3066P or equivalent with external filter and cooler.
- G.V.W.:** 39,000 lbs.
- 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 budd style wheels, 22.5 inch.
- 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 and wheels 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 otherwise specified

Debris Body:

- a) To be construction of corrosion and abrasion resistant steel with a minimum thickness of 3/16", body painted white.
- b) Body shall be round for maximum strength, 5 cubic yard capacity. 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) Operator controls for dumping and rear door activation to be on curbside directly behind cab.
- g) Debris body to be equipped with a flush out system.

Water Tanks:

- a) 850 gallon usable water capacity, to be achieved using separate tanks.
- b) Water tanks to be constructed of aluminum and located at or below the frame of unit providing lowest available center of gravity and best possible weight distribution.
- c) Tanks shall be vented to provide complete filling and come equipped with an anti-siphon device and 25 feet of hydrant fill hose and fittings.
- d) To enable fast and efficient filling of the water tanks, the fill diameter shall be a minimum of 2" from fill point to water tank. Tank fill to be equipped with stainless steel strainer.
- e) A water level sight gauge shall be provided and may be viewed from the operator's station.

Vacuum System:

- a) Vacuum of system accomplished by using a positive displacement rotary lobe blower capable of 3600 C.F.M. @

- 15” HG vacuum. Blower to advance the maximum rated performance to no more than 2100 RPM.
- b) A final filter to be provided to limit the ingestion of solid or liquid abrasive material into the positive displacement blower. Filter must be positioned between the outlet of the cyclone separator and inlet of the vacuum blower and contain a removable and cleanable stainless steel micro screen and is to be no larger than 20 mesh and a minimum of 14” diameter and 20 “ long to allow for maximum air flow. The filter is to be vertically mounted.
 - c) The blower must be driven by the chassis engine via the transmission drive shaft and a heavy duty split shaft transfer case. The system shall be air shift operated from inside the cab. It is to be equipped with a horizontal silencer with an exhaust outlet above the cab and fitted with a protective rain cap.
 - d) Blower engagement controls will also be located at hose reel.
 - e) The vacuum source will be protected from liquid or solid particulate wear and to limit potential discharge to the atmosphere, a tapered, vertical, cyclone separator constructed of abrasion resistant steel must be provided. It must be capable of removing particles larger than 50 microns. It is to be fitted with a rubber sealed access door.

Boom and Vacuum Hose:

- a) To be constructed using an anchored steel tube for the outer sleeve and an 8” inner diameter suction tube constructed of the same material. Boom shall incorporate a smooth one-piece elbow to minimize disruption of air stream.
- b) The boom is to provide a minimum of 180 degrees of rotation with a minimum 250” of reach off the center line of unit and provide a minimum of 474 square feet of work area and telescope a minimum of 8 feet. All actions are to be hydraulically controlled.
- c) The boom is to have an electric over hydraulic solenoid system, capable of adjusting the speed of boom actions. The hydraulic system shall incorporate an override to relieve the boom should it fail at any telescoped or rotated position.
- d) Boom is to be hydraulically driven up, down, left, right, extend and retract. All these functions to be controlled with a remote push button control station connected to the frame of front mounted hose reel.

- e) A joystick control is to be provided at the operator's station.
- f) All inlet hose and tubing must have a minimum 8" inner diameter. Sufficient pipe with quick clamps to vacuum to depths or lengths of 35 feet is to be supplied, and to be mounted to sides of truck for easy access. All connections between the debris body and vacuum system must be self-adjusting, pressure fittings couplings.
- g) Two halogen boom lights are to be mounted above the vacuum hose at the steel elbow. A hand held halogen lamp is to be provided, with terminal connection at the base of hose reel.

High Pressure Water Pump:

- a) Water pump shall be hydraulically driven via a direct drive system off the chassis engine. The system will be activated via a heavy-duty air shaft power take off. The hydraulic flow to drive the water pump will be from a hydraulic oil pump driven by an engine source. The P.T.O. shall engage the hydraulic pump but not the water pump to eliminate unnecessary high pressure ball or relief valve by-pass and pump wear.
- b) Capacity of the high-pressure water pump shall be 100 G.P.M. at 2500 P.S.I. minimum.
- c) The hydraulic pump and water pump shall be sized to allow the water system to operate at 80 G.P.M. at 2500 P.S.I. continuous duty operation at the nozzle.
- d) The water pump shall have the capacities to pulsate 4 ½ to 5 ½ seconds automatically without the use of a ball valve. This feature shall provide an automatic jack hammering action in the hose to assist the nozzle in breaking through obstructions.
- e) The water pump location shall provide a flooded suction inlet to eliminate potential cavitation damage. (Under no circumstance will the pump require any priming.)
- f) The high-pressure pump will be designed so that no damage will occur if ran at normal operating pressure without water for 30 minutes.
- g) The water pump will be used to purge residual water out of the water system by pumping air through entire water system. Ball valves shall be provided in the bottom section of the water pump for complete flushing and draining of the pump.

- h) Water pump shall be capable of maximum water pressure and flow while achieving maximum vacuum. The water pump shall operate independent of the vacuum system.

Jet Rodder:

- a) The jet rodder pump is to be equipped with a hydraulically driven system that allows the operator, by changing nozzles and using a dial control on the hose reel, to vary pressures and flows 0 to 80 G.P.M. up to 2500 P.S.I. independently of each other through the entire range of the water delivery system. The system will be operable with a minimum 1" I.D. jet rodding hose that meets all required operating pressure and burst strength.
- b) The water pump shall have the capabilities of being engaged and disengaged from the driving mechanism at the hose reel control station by turning an electric on/off switch.

High Pressure Hose Reel:

- a) The hose reel assembly shall be mounted on an independent telescoping frame, which can be removed from brackets attached permanently to the main truck frame members. the hose shall roll off the reel at a 90 degree angle to the length of the truck to facilitate cleaning easements. The reel is to afford excellent visibility on the latest model trucks. The overall height of the assembly cannot exceed 67" with a minimum ground clearance of 14".
- b) The reel is to be manufactured out of ¼" spun steel, not requiring any internal or external reinforcements. The reel must have a capacity of 600 feet of 1" ID rubber rodder hose. The reel is to telescope 15" directly forward on a straight line along the center line axis of the truck with the reel in its fixed position parallel to the truck grille. The reel is to rotate about the centerline on a large diameter ball bearing through 270 degrees to afford an unobstructed line along which the rodder hose can reach the working end of the boom in any of the work positions along the boom's 180 degrees of rotation.
- c) The reel is to be hydraulically driven using a planetary gear reducer with a reduction ratio of 20:1. The front mounted hose reel shall hydraulically telescope a minimum of 15 inches as to allow the operator to check fluids on chassis engine without tilting the reel. The hose reel will pivot 135 degrees each side of the centerline of red.
- d) The hose reel will include a pneumatically actuated lock, which will positively lock the reel in any one position across its operating range. Controls will be supplied on

each side of hose reel allowing operator to work off either side of unit. All controls shall be electric type with labels to identify each one.

- e) Hose reel controls to include, boom pendant plug, joystick boom control, boom extend/retract switch, jet rodder pump on/off switch. Hose reel telescope/retract switches, hose reel speed control, reel rotation lock, chassis engine throttle controls with on/off switch, high pressure water gauges, vacuum relief on/off switch at hose reel and on boom control, dual footage meters, low water warning light, hand held light with bumper plug.

Hand Gun Manhole Cleaning System:

The high pressure water pump shall be utilized to supply 20 G.P.M. at 600 P.S.I. to a hand gun system. A handgun will be supplied that comes equipped with 50 feet of ½ inch wire reinforced hose. The hand gun system shall come equipped with a mid ship mounted spring retract hose reel. The handgun shall allow for changing of spray patterns from a fine mist to a steady stream.

High Pressure Jet Hose:

- a) Jet hose to be supplied will be 1” ID that has an operating pressure rated at 2500 P.S.I. and a burst pressure of 6250 P.S.I. and will be 600 feet long.
- b) Two (2) jet nozzles will come furnished with unit. One 15 degree sand nozzle and one 30 degree sanitary nozzle. These nozzles shall both be equipped with tungsten carbide replaceable orifices.

Trash Pump:

The debris tank 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 the forward section of the debris body as low as possible, with gate valve and plumbing to the body exterior. The trash pump shall be capable of passing 3 inch solids and be rated at 450 G.P.M. capacity. One (1) 25 foot discharge hose with coupler and storage rack for hose at curbside shall be provided with unit.

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.
- Accumulator system with on/off control.
- Dual roller hose guide.
- Ten-foot leader hose.

Training:

One (1) day of operator/maintenance personnel training to be provided.

Spec abw_92602_2631_882