



**SAN JOAQUIN COUNTY
PURCHASING AND SUPPORT SERVICES
PURCHASING DIVISION**

David M. Louis, C.P.M., CPPO, CPPB
Director

Jon Drake, C.P.M.
Deputy Director

DATE: November 18, 2009

TO: ALL PROSPECTIVE BIDDERS

RE: Request for Bid No. 6676
Water Truck, 80,000 lbs GVW with Tank and Spray System

Ladies and Gentlemen:

Enclosed please find an invitation to bid with a bid form and product specification.

Sealed responses are to be received no later than **2:00 PM, PST, Tuesday, January 5, 2010**. Please return your Bid in a sealed envelope with the Bid number and the date and time of bid opening.

Mail or deliver your response by the above date and time to the following address:

**San Joaquin County
Purchasing and Support Services
County Administration Building
44 N. San Joaquin Street, Suite 540
Stockton, CA 95202**

**** PRE-BID CONFERENCE****

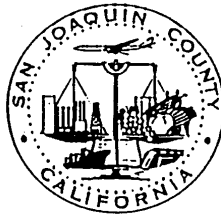
There will be a pre-bid conference at **9:00 AM, PST, Tuesday, November 24, 2009**. The conference will begin at the **Department of Public Works, Channel Maintenance Division, 1810 E. Hazelton Avenue, Stockton, CA 95205**.

This is the only opportunity to view the current truck in operation and to ask questions relating to this bid.

If you have any further questions, please contact me at (209) 468-3257 or by Email at nfranco@sigov.org

Sincerely,

Norma Franco
Deputy Purchasing Agent



BID # 6676

**Water Truck, 80,000 lbs GVW
With Tank and Spray System**

COUNTY OF SAN JOAQUIN

44 N. San Joaquin Street, Suite 540
STOCKTON, CA. 95202

FOR: Public Works Department
Channel Maintenance Division
Norma Franco, (209) 468-3257, nfranco @sjgov.org

KEY ACTION EVENTS AND DATES

Listed below are the events and dates for this Request for Bid. All dates are predicted on the issue date of the Request for Bid.

| EVENT # | DESCRIPTION | DATE |
|----------------|--|---------------------------------------|
| 1. | Release of Request for Bid | Wednesday, November 18, 2009 |
| 2. | Pre-Bid Conference: Public Works Department/Channel Maintenance 1810 E Hazelton Stockton CA 95205 | Tuesday, 9:00AM November 24, 2009 |
| 3. | Last day for contractors to submit questions (For clarification prior to submitting Bid) | Thursday, 3:00PM December 3, 2009 |
| 4. | Last day for County to answer questions | Thursday, 3:00PM December 10, 2009 |
| 5. | Bid is due no later than | Tuesday, 2:00PM January 5, 2010 |
| 6. | Award of Contract | TBA |

INSTRUCTIONS TO BIDDERS

Submittal of Bids:

Sealed bids will be received at the Office of the Purchasing Agent at 44 N. San Joaquin Street, Suite 540, Stockton, CA 95202 until **2:00PM, PST, Tuesday, January 5, 2010** and will be publicly opened at that time.

ALL MAIL PROPOSALS SHALL BE ADDRESSED AS FOLLOWS:

**Bid No. 6676
Purchasing Agent
County of San Joaquin
Administration Building
44 N. San Joaquin Street, Suite 540
Stockton, CA 95202**

The envelopes shall also have stated therein the name and address of the submitting firm.

HAND DELIVERED COURIER OR PACKAGED DELIVERY SERVICE SHALL BE DELIVERED DIRECTLY TO:

Purchasing Division
44 N. San Joaquin Street, Suite 540
Stockton, CA 95202

BIDS WILL NOT BE ACCEPTED THEREAFTER. ALL BIDS RECEIVED AFTER SAID TIME AND DATE WILL BE TIME-STAMPED AND RETURNED UNOPENED TO THE BIDDER.

THE COUNTY WILL NOT ACCEPT BIDS SUBMITTED BY FAX OR BY EMAIL

QUESTIONNAIRE

**WARRANTY & SERVICE LOCATION:
(*BIDDER TO COMPLETE*):**

(Failure to furnish this information will be cause for rejection of bid.) State the warranty and/or guarantee provisions applicable to this equipment or attach warranty form with your bid.

State specific location where service and/or maintenance can be obtained.

GENERAL REQUIREMENTS

1. COMPARISON OF BIDS:

Award will be made to the vendor offering equipment, price, service, delivery and support deemed to be to the best advantage of the County of San Joaquin. The County Purchasing Agent shall be the sole judge in making this determination.

The County of San Joaquin has a 5% local vendor preference, however the preference shall not exceed \$5,000.00 per bid.

2. RIGHT TO REJECT BIDS:

The County reserves the right to reject any and all bids and to waive informalities or irregularities in bids.

3. LITERATURE:

Bidders shall submit literature that fully describes items on which they are bidding, not later than the opening date of this bid. Any and all literature submitted must be stamped with vendor's name and address. **Bidders must submit one (1) original, clearly marked "Original" and one (1) copy, clearly marked "COPY" of each bid and all literature.**

4. DEMONSTRATION:

Upon request by County of San Joaquin, bidder shall provide a demonstration unit as stated in bidder's offer, to the Public Works Department, Channel Maintenance Division, for a period of time not to exceed two (2) working days. Failure to provide a demonstration unit within ten (10) working days of the County's request may be cause for rejection of bidder's offer.

5. MAINTENANCE:

The successful bidder shall provide all tools or minor equipment specifically required to maintain equipment supplied. Bidder shall list any special oils, additives or other lubricants needed for maintenance of equipment supplied.

6. FACTORY MANUALS:

The successful bidder shall provide (2) parts manual, (2) shop repair manual and one (2) operator's manual and one (1) safety manual for the equipment supplied. Manuals shall be in possession of the County before delivery will be considered complete.

7. PRE-DELIVERY AND INSPECTION:

Prior to delivery, equipment shall be completely inspected and serviced by the delivering dealer and/or the manufacturer's pre-delivery service center.

The County will inspect equipment, upon delivery, for workmanship, appearance, proper functioning of all equipment and systems, and conformance to all requirements of bid specifications. In the event deficiencies are detected, the equipment will be rejected and it shall be the delivering dealer's responsibility to pick up the equipment, make the necessary corrections and re-deliver the equipment for a re-inspection and acceptance.

8. PAYMENT:

The bidder agrees to provide equipment and other requirements as stated in this Request for Bid. The County agrees to pay bidder according to the terms and conditions stated in the contract or purchase order.

Should deficiencies be detected in equipment supplied, payment, or the commencement of a discount period, (if applicable) will not be made until the defects are corrected and accepted by the County of San Joaquin.

9. PAYMENT DISCOUNTS:

Any discount offered by the bidder must allow for payment after receipt and acceptance of material/equipment and correct invoice, whichever is later. In no case will discount be considered in the evaluation of bids, which require payment in less than thirty (30) days.

10. WARRANTY:

Equipment shall be warranted against defects in materials and workmanship. The bidder shall make all adjustments without cost to the County within manufacturer's warranty period. Vendor shall pick up equipment at the County departments, when required adjustments so indicate, and return repaired unit to County department.

11. DELIVERY INSTRUCTIONS:

All equipment shall be bid - FOB DESTINATION / FULL FREIGHT ALLOWED - delivered to the following address:

San Joaquin County
Equipment Shop
444 S Wilson Way
Stockton CA 95205

Call Dan McCann, (209) 468-3106 - 48 hours prior to delivery.

(This space intentionally left blank.)

12. LICENSING:

The County of San Joaquin will license all vehicles. Successful bidder shall furnish to the County the following documents, properly filled out, at the time the equipment/vehicle is delivered:

1. "Dealer's Report of Sale"
2. "Application for Exempt Registration"
3. "Manufacturer's Certificate of Origin"
4. "Certified Weigh-master's Certificate"
5. "Original invoice at time of delivery"

Payment will not be made until all documents are received.

The address on these documents shall read as follows:

County of San Joaquin
44 N. San Joaquin Street, Suite 540
Stockton, CA 95202

13. DEVIATIONS:

Failure on the part of the bidder to comply with all requirements and conditions of the price request and this specification may be cause for rejection of bid. No exceptions to, or deviations from, this specification will be considered unless the bidder in the designated places specifically states each exception or deviation. If no exceptions or deviations are shown, the bidder will be required to furnish equipment exactly as specified herein. The burden of proof of compliance with this specification is the responsibility of the bidder.

While it is not the intent of these specifications to eliminate prospective bidders, bidders must note any deviations from the specifications in order that the County may evaluate the equipment.

14. VEHICLE CODE REFERENCED DOCUMENTS:

Vehicles/equipment provided must meet all current regulations of the agencies listed below. These regulations are incorporated herein by reference and made part of the specifications to the extent they are applicable.

1. Department of Transportation Federal Highway Administration.
2. Federal Motor Vehicle Safety Regulations and Standards.
3. OSHA Standards.
4. State of California Safety Regulations.
5. California Air Pollution Control Board
6. California Bureau of Motor Carrier Safety.
7. Title XIII, Motor Vehicles Division 2, Chap 2, Lighting Equipment.
8. Any other vehicle or equipment legal requirements that may apply.

15. EQUIPMENT STANDARDS:

The equipment supplied shall be new (unused), current model year production and equal in style, quality and appointments to those offered to the general public. The equipment shall be supplied with all accessories as considered standard equipment for make and model specified. Unit(s) shall be delivered complete and functionally ready to operate. Unit(s) offered shall meet the following MINIMUM or specific specifications.

16. CONTACT:

Contact Norma Franco, by fax (209) 468-3393 or by Email: nfranco@sigov.org, with any questions or requests for additional information.

INDICATE IN THIS COLUMN
IF INCLUDED OR EXPLAIN
VARIATIONS TO COUNTY
STANDARDS.

ACCEPTABLE SPECIFICATIONS:

2. FRONT AXLE & SUSPENSION:

- a. 16,000 lb. capacity set back axle, 16,000 lbs capacity tapered leaf springs, minimum, to allow safe operation with 80,000 lbs GVW. State rating. **Must comply with legal axle distribution of GVW per California axle laws (34,000 lbs.) per group. Certified weight certificate of loaded vehicle to accompany delivery of truck.**
- b. Rockwell "Q" type "S" cam air brakes with automatic slack adjusting. Steel, outboard mounted brake drums and oil bath bearing lubrication with clear end caps.

3. WHEELBASE:

- a. Cab to axle dimension to accommodate the specified tank and sprayer body with vertical exhaust on right side of cab with 90 degree exit. **Center of front axle to center of rear axle should not exceed 205 inches.**
- b. The truck should provide a turning radius as short as possible with proper weight distribution on all axles when fully loaded. State turning radius in feet. **Must comply with legal axle distribution of GVW per California axle laws (34,000 lbs.) per group. Certified weight certificate of loaded vehicle to accompany delivery of truck.**
- c. State proposed cab axle length, and cab to frame end length.

NO EXCEPTION

4. FRAME:

- a. Heavy duty, heat treated, steel frame to allow safe operation with 80,000 lbs maximum GVW.
- b. Rear frame to be squared just behind water tank, and plate added for air pod pintle hook rated for towing up to 50,000 pounds. Air lines, electrical lines, and electric brake controller will be installed for towing trailer with air brakes or electrical brakes. Electrical plug will meet all ICC regulations. Pintle hook will be mounted at 28 – 29 inches high, at bottom of valley.

5. ENGINE:

- a. Diesel powered, CARB certified to the 2010 emissions standard for California, 350 horsepower, 1450 ft lbs torque, minimum. Indicate engine make model, HP and torque rating along with 2010 emissions data.

NO EXCEPTION

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ACCEPTABLE SPECIFICATIONS:

ENGINE: (continued)

- b. Locking hand throttle. Cruise control. Vehicle to be governed for 62 mph maximum.
- c. Air filter pre-cleaner.
- d. Heavy duty radiator with 800 square inches frontal area.
- e. Radiator bug screen.
- f. Engine fluid dip sticks installed for easy access to motor oil, transmission fluid, and fill tanks.
- g. Air actuated engine-cooling fan, with manual override switch, with red light to indicate manual engagement.

6. TRANSMISSION:

- a. Allison 4500 RDS automatic with PTO provisions and auxiliary cooler.

NO EXCEPTION

7. REAR AXLE & SUSPENSION:

- a. Interlocking for dual drive, tandem 40,000 lbs capacity to allow safe operation with 80,000 GVW. Hendrickson RT 403 steel spring rear suspension with steel walking beams. State rating. **Must comply with legal axle distribution of GVW per California axle laws (34,000 lbs.) per group. Certified weight certificate of loaded vehicle to accompany delivery of truck.**
- b. Final drive ratio to provide 62 MPH travel speed at rated governed engine speed. Not to exceed 5 mph in first gear lockup at maximum engine RPM. State recommended ratio.

8. BRAKES:

- a. ABS equipped, Rockwell "Q" type, "S" cam air brakes with automatic slack adjusting. Sized to allow safe operation with 80,000 lbs GVW. Steel, outboard mounted brake drums and oil bath bearing lubrication with clear end caps.
- b. Engine mounted, air brake compressor for brakes 14.0 cfm, minimum and sized to allow safe operation with 80,000 lbs GVW. Automatic air drier unit.

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ACCEPTABLE SPECIFICATIONS:

9. TIRES & WHEELS:

- a. Front: 315/80 R 22.5 tubeless, 16 ply, Michelin XZE or equivalent on 12.25 HP steel rims.
- b. Rear: 11R 22.5, 14ply, Michelin XZE or approved equal on 8.25 HP steel rims. Tires to be for off road use, with semi-aggressive tread.
- c. Wheels shall be one piece hub piloted with 10-hole bolt circle.

10. ELECTRICAL:

- a. Two 1110 CCA batteries, minimum.
- b. 110 amp alternator, minimum.

11. STEERING:

- a. Power assisted. Tilt and telescopic steering column.

12. FUEL TANK:

- a. Dual tanks, 60 gallons capacity each, minimum, with integral safety step. Tanks will be clear finished aluminum.
- b. Tanks must be protected from damage by road debris.

13. COLOR:

- a. Color to be WHITE from manufacturer's standard colors and shall match the cab.

WATER TANK AND SPRAY SYSTEM

14. WATER TANK:

- a. 2,700 gallon capacity (approx.) dependent upon weight distribution, and frame length.
- b. Elliptical tank with 95" horizontal axis (width) and 60" vertical axis (height) as manufactured by Diamond Bilt of Yuba City, CA or equivalent.
- c. 3/16" steel, de-scaled and stress relieved to be used in both heads and baffles. Heads and baffles to be dished and flanged, double weld heads and shell.

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ACCEPTABLE SPECIFICATIONS:

WATER TANK: (continued)

- d. Tank shell to run 20 gallons per linear inch.
- e. Tank to have an externally mounted 20" ladder for access to top of tank from rear of truck.
- f. Tank interior to be coated with Devoe 231 Bar Rust or equivalent, to a thickness of 4-6 mm, for protection against rust and corrosion.

NO EXCEPTION

15. TANK SUB-FRAME:

- a. 1/4" steel full length, two 12" wide by full length bearing pads, minimum.

16. TANK HOLD DOWNS:

- a. 6 point mounting (3 each side) with spring loaded, telescopic mounts.

17. WEAR PADS:

- a. 90 durometer, neoprene wear pads, vulcanized to 10 gauge steel and skip welded tank to sub-frame.

18. FENDERS:

- a. Full fenders with built-in suction hose storage, mud flaps fore and aft of rear tires (4 required) anti-sail style. Tops of fenders will be equipped with expanded metal boxes for storing parts for water hoses and pumping adapters.

19. FILLING:

- a. Fill hole 24" x 24" with anti splash dome extending out to 24" X 48".
- b. Anti skid walkway to fill hole.
- c. Rear access via 3/4" round steel, formed 20" wide, 4" down, and 4" across to form side slip protection.
- d. Provide 2 1/2" hydrant fill with air gaps.

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ACCEPTABLE SPECIFICATIONS:

20. BUMPERS:

- a. Front bumper to provide adequate protection for water spray equipment. Front bumper to include fog lights supplied by original equipment manufacturer of cab & chassis

21. WATER DISTRIBUTION EQUIPMENT:

- a. Self priming centrifugal water pump with hydraulic drive.
- b. Pump to be mounted to tank frame to allow floating with tank.
- c. Pump shall be capable of self loading to draw against 20 feet of static head.
- d. Filter mounted in suction end of pipe to protect pump when pumping water. Designed for easy removal for servicing.

22. HYDRAULIC DRIVE SYSTEM:

- a. Direct drive from PTO, controlled from cab console
- b. Variable displacement, piston type pump with load sensing valve. Filter system SP50 or equivalent.
- c. System to have maximum water output @ 800 rpm, be controlled at any engine speed, and pump independent from engine or travel speed.

23. SPRAY SYSTEM:

- a. Normally closed spray valves with stainless steel valve seats and fully adjustable spray nozzles. Diamond Bilt Model FS3-U or equivalent.
- b. Five (5) spray nozzles required: 2 nozzles in front, 1 each left and right, and 2 in rear to be mounted at center height of tank, 1 each left and right. 1 nozzle to be mounted at top of tank in front left and be remotely adjustable from cab to spray up or down.(water cannon.)
- c. Fully adjustable valve opening, full open to closed and 0-180 degrees radius.

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ACCEPTABLE SPECIFICATIONS:

SPRAY SYSTEM: (continued)

- d. One side spray with adjustable opening, mounted on left side.
- e. One street flusher valve with Duckbill flushing nozzle adjustable 90 degrees right or left. Diamond Bilt Model SF3-S or equivalent.
- f. All valves to be air operated, normally closed. Separate on/off controls for each valve are to be located on console in truck cab.

24. PIPING:

- a. 5", 4", 3", 2 1/2" and 1" steel pipe.
- b. All couplings to be VE Victaulic style couplings.
- c. Provide suction valves, couplers, and two 15 ft lengths of 3" suction hose with cam lock couplings, for drawing out of canals. Provide one (1) 30 foot length of hose for loading from fire hydrants.
- d. Provide storage tube for suction hoses in rear fenders.

25. SIGHT GLASS:

- a. Mount on left side of tank, behind cab, must be visible from driver's position.

26. HOSE REEL & HOSE:

- a. Side mounted reel with 75 feet of 1" hose, shut off, and fire nozzle.

27. PAINT PREPARATION:

- a. All steel to be de-scaled and stress relieved. Painted mill scale will not be accepted.
- b. Finish coat to be epoxy urethane, Dupont Imron or equivalent.
- c. All exposed undercarriage to be sealed.

INDICATE IN THIS COLUMN
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ACCEPTABLE SPECIFICATIONS:

28. MISCELLANEOUS:

- a. Tail & Stop lights to be 4" round grommet mount, 10-diodes LED minimum. 2 stop and 2 taillights on each side. Rear amber colored turn indicators will be mounted on each side. Clearance lights shall be of the same manufacturer. Will require three (3) clearance lights on each side of water tank. One at rear, one in middle and one on front of tank. All lighting to be DOT approved LED elements.
- b. Commercial grade anti sail mud flaps mounted behind rear tires. All black in color and free of advertising.
- c. Back-up Alarm to be ECCO SA940 or equivalent, mounted flush and rear facing.
- d. Two high illumination back-up lights to be activated when truck is placed into reverse gear. LED Clear 4" Grote #62391 or brighter.
- e. Two amber strobes, ECCO 6670A or equivalent, to be mounted on water tank. Staggered left and right, forward and aft Strobe lights to have protective cages around the lens to protect from tree limbs and other hazards. Cage should be removable to allow access to strobe lens.
- f. Two work lights to be mounted on back of cab, left and right of tank with single dash mounted switch with indicator light when lights are in use. Grote Work Lamp 63151-5 or equivalent.
- g. Two work lights to be mounted on back of tank, mounted $\frac{3}{4}$ of tank height with single dash mounted switch with indicator when lights are in use.
- h. Two front and two rear frame mounted tow hooks.
- i. As built drawings of all hydro valves/plumbing/ electrical wiring to be provided for all added equipment that is non-OEM from chassis to include auxiliary lighting.

BID SHEET

| | |
|--|----------|
| 1. 1 ea. Water Truck, 80,000 lbs GVW with Tank and Spray System | \$ _____ |
| 9 % sales tax | \$ _____ |
| TOTAL | \$ _____ |

Vehicle Manufacturer:

Make: _____

Model: _____ Year: _____

Due Bills will not be accepted.

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No charge for packaging, drayage or any other purpose will be allowed over and above the price quoted on this sheet. The County reserves the right to accept or reject quotations on each item separately or as a whole. Special brands, when named, are only to indicate the standard of quality desired. Firms may quote on their equal. Offerings on other brands, if their equal, will be considered, and brands or descriptions must be plainly stated. The Purchasing Agent reserves the right to reject any and all bids, to waive any informalities or irregularities in the **Bid** and to be the sole judge of the suitability of the product offered.

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The undersigned offers and agrees to furnish any and all items upon which prices are quoted hereon, at the prices set opposite each item and deliver at the designated point(s) specified in the above request.

Delivery will be made in _____ days from receipt of order, except as otherwise indicated.

Pricing valid for 90 days.

Discount terms _____ Date _____

Company Name _____

Address _____ City _____ State _____ Zip _____

Telephone _____ Fax _____

E-mail: _____

Authorized Signature _____

Print/Type Name _____