



Form GSOP 1-PIN (04/98)

STATE OF CALIFORNIA
 Department of General Services - Office of Procurement
PURCHASE ORDER

<i>Purchase Order No.</i>	<i>Rev.</i>	<i>Date</i>
62161		6/30/2008

<i>Supplier No.</i>	<i>Solicitation No.</i>	<i>Delivery Date</i>	<i>FOB Point</i>	<i>Invoice Terms</i>
437758	57017	270 Days ARO	Destination	

COAST CRANE CO
 4680 WEST CAPITAL AVE.
 W SACRAMENTO, CA 95691-0796
 Attn: RICK ENSLEY

S SEE DELIVERY INSTRUCTIONS
h T BELOW
i o
p
 Attn: JIM PEARSON 9166539051

C DEPT. OF WATER RESOURCE
h a T P.O BOX 942836
r o SACRAMENTO, CA 94236-001
g e

<i>Agency Billing</i>	<i>Agency Purchase Estimate</i>	<i>Purchase Estimate</i>	<i>Revision</i>
81000	6000015661	67019	0

Phone: 916-997-8088

<i>Agency Contact</i>	<i>Phone</i>	<i>Date Received</i>
BILL MAHON, ABMA	916-653-6167	

<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
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THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT: www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf

THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:

PRIME CONTRACTOR: NS
 FISCAL YEAR: 2007/2008

1	1	EA	1096-000-0370-5	TRUCK FLATBED TRUCK BOOM, Truck Mounted Crane, as described, meeting the requirements of the attached specification # 3810-08bs-001R1 of six (6) pages, dated August 6, 2008.	149,581.0000	149,581.00
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Brand: FORD / TADANO
 Model: F750 / TM1052

<i>PO Miscellaneous Charges and Discounts</i>	<i>Dollar Value</i>
BATCH ADJUSTMENT (CHARGE)	10.50

Total Value: 149,591.50

ATTACHMENTS

THE FOLLOWING ATTACHED DOCUMENTS ARE PART OF THIS PURCHASE ORDER.

- ADMINISTRATIVE REQUIREMENTS # 67019AR OF THREE (3) PAGES, DATED APRIL 24, 2008.
- SPECIFICATIONS REQUIREMENTS # 3810-08BS-001R1 OF SIX (6) PAGES, DATED August 6, 2008.

F.O.B. DESTINATION

For the purpose of this order only F.O.B. Destination will be accepted. be accepted.

Sales and/or use tax to be extra unless noted above

<i>Buyer</i> LONNIE WILLIAMS	<i>Phone</i> 916-375-4586	<i>BOC Number</i>
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STATE OF CALIFORNIA

Department of General Services - Office of Procurement

PURCHASE ORDER CONTINUATION

Form GSOP 2-PIN (04/98)

<i>Purchase Order No.</i> 62161	<i>Revision</i>	<i>Date</i> 6/30/2008	<i>Supplier No.</i> 437758	<i>Supplier Name</i> COAST CRANE CO
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<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
<p><u>INCREASING PURCHASE QUANTITIES</u> The State reserves the right to increase the purchase quantity by up to 25% more units within 180 days of bid award date for State Agency and California Local Government Agencies. The increased quantity purchased shall be at the awarded bid price.</p> <p><u>FEDERAL CERTIFICATION:</u> Final stage manufacturers shall be certified by National Highway Traffic Safety Administration and be redgistered to manufacture or alter vehicles in accordance with the Code of Federal Regulations Title 49, parts 567-568.</p> <p><u>DELIVERY INSTRUCTIONS</u> Preparation for Delivery: The completed vehicle as presented for the "final" acceptance shall be cleaned, internally and externally (freshly washed and chamois) and with a full charge to the battery system.</p> <p>The Truck Boom (Truck Mounted Crane) shall be fully functional when delivered.</p> <p>Truck Boom shall be delivered during normal business hours Monday-Friday, from 8:00 a.m. to 3:30 p.m., except State holidays.</p> <p>Deliver to: Department of Water Resources Corporation Yard 4300 West Capitol Ave, West Sacramento, CA 95691 Attn. Jim Pearson</p> <p>Please contact agency seven (7) days prior to delivery to make arrangements for delivery.</p> <p>Contact: Jim Pearson Phone: (916) 653-9051</p> <p><u>AWARD DATE</u> This purchase order is being awarded on September 15, 2008 pursuant to Government Code Section 13332.17. Any encumbrances made pursuant to this purchase order shall be construed to have been made on the last day of the preceding fiscal year.</p> <p><u>SCPRS REGISTRATION</u> This Purchase order has been registered into the state contract and procurement registration system (https://www.scprs.dgs.ca.gov/). The registration number is 38600908332924.</p> <p><u>CHANGE ORDERS</u> This Purchase Order may be amended, modified, or terminated at any time by mutual agreement of the parties in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.</p>						



1. General

- 1.1. The boom truck shall be fully functional when delivered to the location specified per this IFB.
- 1.2. One (1) complete set of filters (air, oil, water, fuel, hydraulic, etc.) shall be supplied with the unit delivered. This set of filters shall be as recommended by the manufacturer and shall be completed with the appropriate part numbers for identification.

2. Inspection

- 2.1. This order will require a two-phase inspection process. The unit shall be serviced, washed and ready for, as applicable, inspection or delivery. It is the supplier's responsibility to contact Department of Water Resources (DWR), Division of Management Services (DMS), Transportation Office (TO) for inspections at (916) 653-9051.
- 2.2. The unit shall be inspected prior to shipment to the destination on the purchase order. If corrections are needed as a result of the inspection, the corrections shall be made prior to shipment to the purchase order destination. Authorization to deliver the unit shall be granted by the DWR/DMS/TO.
- 2.3. If additional interim inspections are required, such inspection trips shall be at the expense of the supplier at \$75.00 per hour (including travel time) and all expenses (meals, lodging, and cost of transportation). Travel expenses shall be documented on State of California Travel Expense Claim Form. This cost shall be deducted from the purchase order payment.
- 2.4. The inspection shall be conducted by the DWR/DMS/TO. These inspections shall take place at an adequate site provided by the vendor within the State of California. The inspection site shall meet all of the following criteria:
 - The site shall not be the Purchase Order delivery destination. The site shall be paved, secure and zoned for commercial use.
 - The site shall include electricity, lights, water, compressed air and a secure paved lot. The facilities shall also include lift equipment adequate to raise the units and support them on safety stands with a minimum of 12 inches of tire clearance. The supplier shall provide conditions which meet the safety standards of CAL-OSHA and Title 8 of the California Code of Regulations.
 - The adequacy of the site shall be determined by the DWR/DMS/TO. Contact the Senior Inspector of Automotive Equipment at (916) 653-9051.
 - If the facility is deemed unacceptable by DWR/DMS/TO, the vendor shall be billed for the inspection trip including wages and expenses. This cost shall be deducted from the purchase order payment.
- 2.5. The unit shall have a final inspection at its delivery destination shown on the Purchase Order to verify acceptability. A unit delivered to the final Purchase Order destination will

be accepted only when all Purchase Order requirements have been met, any shipping damages have been corrected, and all required documents/manuals are received by the DWR/DMS/TO. A unit which is not accepted by the delivery date on the Purchase Order will be considered delivered late.

- 2.6. If the supplier receives notice that the unit is not acceptable, whether written or oral, the unit shipped to the Purchase Order destination shall be removed within seven (7) calendar days. If the supplier fails to remove said unit from the State's facilities within the specified period, the State may forward said unit to the supplier by common carrier at the supplier's expense and risk.

3. Vendor Qualification

- 3.1. The bidder shall be able to demonstrate a history and expertise in the sale/manufacturing of boom trucks and has been in business continuously for a minimum of 60 consecutive months prior to this bid. Bidders shall provide a minimum of three (3) references that are currently operating the proposed boom truck including contact numbers and names with the bid or 5 days of request by the State.
- 3.2. All bidders/vendors shall be either the factory or factory authorized distributors, and offer factory or factory authorized service for the products they are offering. Factory Authorization Letter shall be submitted with the bid or within 5 days of request by the State.

4. Documentations

- 4.1. For California registered business: Shall provide the original dealer's "Report of Sale" at the time of delivery of boom truck covered by these specifications.
- 4.2. For Non California registered business: In lieu of a dealer's "Report of Sale," the supplier shall provide a "Manufacturer's Statement of Origin" and original "Bill of Sale" on the vendor's letterhead.
- 4.3. All documentation supplied for registration shall contain the following physical and post office box addresses:
- | | |
|----------------------------------|----------------------------------|
| State Department Water Resources | State Department Water Resources |
| 1416 9 th Street | P.O. Box 942836 |
| Sacramento, CA 95814 | Sacramento, CA 94236-0001 |
- 4.4. Shall provide an original weight certificate from a California Weigh Master at the time of delivery of the unit.
- 4.5. All required documentation shall be sent to one of the above addresses by the time of delivery.

5. Project Management

- 5.1. Upon award, the vendor shall conduct a pre-production meeting with representative(s) from the receiving agency. Items shall be discussed are but not be limited to: 1) production timeline, 2) milestones at various stages of construction. Receiving agency representative(s) may visit the place of manufacturer at any time during production of the boom truck as deem necessary.

6. MANUALS

- 6.1. Shall provide at least two (2) set of standard operator's/owner's manual, complete lubrication instructions, parts books and shop repair manuals (complete with electrical and hydraulic schematics) specific to this boom truck at time of delivery.
- 6.2. Shall provide service part lists, identifying major components by manufacturer's part number and/or vendor's part number at time of delivery.
- 6.3. All manuals and instructions shall be in the English language.

7. Training

- 7.1. Shall be provided by the vendor's representative on how to operate and maintain this boom truck for a minimum of two (2) State representatives.
- 7.2. Shall be held at the Division of Flood Management's Sacramento Maintenance Yard.
The address is:

1450 Riverbank Road
West Sacramento
CA 95605-2028

8. Warranty and Service

- 8.1. The boom truck including modifications (if any) and any optional equipment or accessories shall be fully warranted to be free from defects in materials and workmanship for a minimum of one (1) year or 1000 engine hours whichever occurs first, from the date the State puts the unit into service. The state will notify the supplier by mail of the in-service date and keep a record of the in-service date.
- 8.2. A copy of warranty shall be provided with the boom truck at the time of deliver
- 8.3. Services and/or parts shall be provided within 72 hours of notification from the State.



1 SCOPE

This document establishes the requirements and specifications for a boom truck (truck). The truck shall consist of flatbed body mounted to truck chassis and a crane mounted behind the cab with sub-frame. The truck shall be used by Department of Water Resources (DWR) Division of Flood Management.

2 APPLICABLE SPECIFICATIONS / STANDARDS / CODES

2.1 Specifications and standards referenced in this document in effect on the opening of the invitation for bid, form a part of this specification.

2.2 Bidder shall comply with requirements of following standards and codes as they apply:

2.2.1 United States Code of Federal Regulations, Title 40, Part 89 (40 CFR Part 89).

2.2.2 California Codes Vehicle Code.

2.2.3 Environmental Protection Agency and/or California Air Resources Board.

2.2.4 Society of Automotive Engineers (SAE) and/or International standards Organization (ISO).

2.2.5 American National Standards Institute (ANSI).

2.2.6 Occupational Safety and Health Administration (OSHA) and California State Division of Occupational Safety and Health (Cal/OSHA).

3 REQUIREMENTS

3.1 Truck Cab And Chassis

3.1.1 The truck gross vehicle weight rating (GVWR) capacity shall comply with crane manufacturer's requirements and shall not be less than 33,000 pounds.

3.1.2 The truck engine shall be an electronically controlled, turbocharged, 4-stroke diesel and shall comply with crane manufacturer's requirements. The engine shall have 250 hp and 660 ft.-lb. of torque @ rated RPM, minimum.

3.1.3 The transmission (ref: Eaton-Fuller FS6406A or equivalent) shall be a six speed manual transmission with power-take-off (PTO) provision.

3.1.4 The front axle shall have a minimum GAWR of 12,000 lbs and shall have hub seals (ref: Stemco or equivalent) with site glass and shall be filled with synthetic oil and labeled as such.

3.1.5 The rear axle shall have a minimum GAWR of 21,000 lbs. The gear ratio supplied shall provide proper gradeability of approximately 40% and a road speed of not less than 60 mph or more than 70 mph at the governed engine rpm with the transmission in the top gear. The axle unit shall have either a differential lock or limited slip for off-highway operation. The axle shall have oil seals (ref: Stemco or equivalent) and be filled with synthetic oil and labeled as such.

3.1.6 Shall be equipped with a heavy-duty cooling system including a heavy-duty radiator and de-aerator system.

- 3.1.7** Brake shall be air actuated according to Federal Motor Vehicle Safety Standards (FMVSS) 121 and equipped but not be limited to the following:
- An air compressor with air supplied through engine air cleaner.
 - A heated air dryer (ref: Bendix or equivalent).
 - An air tank shall have a manual drain valve with pull cable.
 - A factory installed minimum 4-channel anti-lock brake system (ABS).
 - Air accessories shall be fed through a pressure protection valve.
 - A spring activated parking brake.
 - A spring activated air brake emergency stopping system.
 - A 2-axle trailer towing package complete with all controls (foot and hand controls).
 - Controls shall be mounted in cab and airlines terminated at end of frame with glad hands and covers.
 - Seven Conductor trailer receptacle wired per SAE 506b.
 - Brake controller for trailers equipped with electric brakes shall be supplied.
- 3.1.8** The cab shall be the conventional cab design, with safety glass in the windshield, rear window, and roll down side door glass.
- 3.1.9** The truck shall be equipped with dual fuel tanks, mounted on each side of chassis with a minimum 80-gallon total capacity.
- 3.1.10** The truck shall be equipped but not be limited to the following:
- A fuel/water separator.
 - A dual-stage dry type air cleaner with restriction gauge mounted in the cab.
 - An hour meter for engine running time.
 - Engine cut-off and throttle that can be controlled from crane operator remote.
 - Electric key shutoff.
 - Dual visors.
 - Multi-speed cab heater, windshield defroster and factory installed air conditioning integral with the heating unit.
 - A 12-volt cigarette type accessory outlet power source.
 - Right and left outside "West Coast-Style" rearview mirrors, approximately 7-inches wide x 16-inches long, with 102-inch spacing.
 - Convex mirrors, one on each side, either integral with the above or mounted separately.
 - Windshield wipers with washers.
 - Instruments (gauges) shall be but not be limited to the following:
 - Speedometer.
 - Tachometer.

- Voltmeter or ammeter.
- Fuel gauge.
- Engine temperature.
- Oil pressure gauge.
- Two air pressure gauges.
- Cab mounted air horn.
- Steps and grab handles on both sides of the cab.
- Dome light.
- Floor mats, headliner, and full cab insulation.
- Air suspension type driver's seat with high back to support shoulders and head.
- A two-passenger seat matching driver's seat in appearance and material.
- Three (3) complete sets of keys.
- Seat belts for driver and each passengers.
- AM/FM/WB radio with two speakers and antenna.
- All gauges and controls shall be permanently labeled to identify their functions with a lettering style or equivalent international symbol.

3.1.11 The following equipment shall be furnished and installed:

- Standard straight front bumper.
- Two hooks mounted on the front for towing the vehicle empty.
- Lug wrench.
- Electric backup alarm (ref: Ecco model SA940, SA917, or equivalent).
- Mud flaps, behind the rear wheels.

3.2 Crane and Body

3.2.1 The crane shall be a behind the cab mounted hydraulically operated telescoping boom crane with a fully extended minimum horizontal reach of 50'.

3.2.2 The crane capacity shall be greater than or equal to 20,000 pounds and shall comply with the following:

- Load Lift rating @ 5' load operating radius shall be greater than or equal to 20,000 pounds.
- Load Lift rating @ 20' load operating radius shall be greater than or equal to 4,300 pounds.
- Load Lift rating @ 45' load operating radius shall be greater than or equal to 1,300 pounds.
- Crane shall be capable of performing any rated lift at any point within a minimum 360° radius about the chassis.

3.2.3 Boom:

- Shall be equipped with minimum of three (3) sections.
- Sections shall be hydraulically operated.
- Horizontal reach shall be greater than or equal to 50' and vertical reach shall be greater than or equal to 60'.
- Shall be made of high strength steel and telescoping sections shall be supported on low friction replaceable wear pads.
- Wear pads shall be serviceable.
- Boom extension/retraction and elevation shall be through double-acting hydraulic cylinders equipped with holding valves.
- Shall have a minimum 360° rotation.
- Shall be supplied with continuous rotation if it is available as an option.

3.2.4 Crane rotation shall be hydraulically powered.**3.2.5 Shall be equipped with a minimum of one downhaul block and one sheave block.**

- The sheave block shall match the maximum number of line parts the crane utilizes to meet the rated capacity of the crane.

3.2.6 Shall be equipped with a "one-man work platform" (one-man basket) for mounting on the crane and the following features.

- The platform capacity shall be greater than or equal to 300 pounds.
- Shall be equipped with a gravity leveling and a swing lock mechanism.
- A full body harness (large size).

3.2.7 Shall be equipped with multiple-section hydraulic pump(s) driven by truck power take off.

- Pumps capacity and pressure shall be sufficient to operate at least three crane functions simultaneously and not cause a drain on the others.
- Shall be equipped with an auxiliary oil cooler.
- Hydraulic cylinders shall be heavy duty, double acting with holding valves.
- Reservoir shall be the manufacturer's standard size for the crane furnished which shall be large enough to maintain oil temperature at a proper working level as recommended by the hydraulic fluid manufacturer.
- Shall be equipped with a magnetic plug in the bottom of the hydraulic fluid reservoir.
- Shall be equipped with a 100 to 150 mesh wire strainer at the hydraulic fluid reservoir outlet line.
- Shall be equipped with a full flow 10-micron replaceable element filter with restriction gauge to signal when new element is needed at the hydraulic fluid reservoir return line.

- 3.2.8** Shall be equipped with radio remote controls for the operator to control all features and functions of the crane.
- All controls shall be clearly marked.
 - All controls shall be provided with durable weatherproof capacity, instruction, and safety placards describing crane functions and warning.
 - If there is a choice between paddle-style or joystick-style controls on the radio remote control, the vendor shall supply the paddle-style radio remote control.
- 3.2.9** Shall be equipped with an operator's station, with controls for all boom functions and features including engine start/stop and engine throttle.
- 3.2.10** Shall be equipped with a hydraulically sense capacity overload and/or load moment indicator.
- Those boom functions that could be used to bring the load back into an acceptable capacity situation shall remain operational.
 - This system shall be fully automatic and shall not have any type of manual override.
- 3.2.11** Shall be equipped with an anti-two block device.
- 3.2.12** Crane shall be installed behind the cab with a subframe.
- Subframe shall be heavy-duty structural steel welded construction.
- 3.2.13** Shall be equipped with independently controlled forward and rear outriggers with complete hydraulic functionality.
- "Down and Out Style" outriggers shall be supplied, if available, in lieu of "A-Frame Style" outriggers.
 - Road clearance when retracted shall not be less than any truck component.
 - Outrigger spread shall be suitable for the complete unit as specified.
 - The additional of a front stabilizer maybe necessary to provide the full rating of the crane in all quadrants.
 - Shall be equipped with sand pads and storage provisions for pads.
- 3.2.14** Shall be equipped with transmission mounted, "air shift" PTO.
- Shall be equipped with cab-mounted controls and an overspeed control.
 - Shall be equipped with an indicator light mounted in the cab to indicate when the PTO is engaged.
 - All controls shall be clearly and permanently labeled.
- 3.2.15** Shall be equipped with a "8' wide x 16' long", heavy-duty flatbed body.
- Body structure shall have full-length structural steel, channel section, longitudinal sills with support gussets; high strength steel, "C" or channel section cross sills and steel side and end rails. Cross sill spacing shall be approximately 12".

- Deck surface shall be wood and be able to support a minimum payload of 4,000 pounds.
- Body shall have a goal post-style reinforced plate steel headboard with expanded metal to allow the driver to see out of the rear window.
 - The headboard shall be constructed using square steel tubing.
- Shall be equipped with load binders with heavy-duty hooks, minimum five (5) on each side and equally spaced apart.
 - In addition to the load binders, there shall be steel tie down hooks welded underneath the bed along both sides on each cross member suitable for securing cargo with a minimum 3/4-inch diameter rope.
- Shall be equipped with reinforced stake pockets for common mill cut (2"x 4") wood.
- Body shall be painted black.

3.2.16 Shall be equipped with two (2) under bed storage boxes.

- Boxes shall have flush mounted, key lockable door latch and dust seal around door.
- Boxes shall be constructed of minimum 12-gauge steel, approximately 18" tall x 18" deep x 36" wide.
- Box mounting bracket shall be structural steel, bolted to truck frame. Bracket shall support bottom edges of box and shall have adequate structural bracing.

3.2.17 Shall be equipped with a spare tire and wheel mounted on the truck.

3.2.18 The finished unit shall be equipped for towing trailers with electric brakes and trailers with air brakes.

- Shall be equipped with a rigid type "Pintle" hook with air operated plunger and a minimum capacity of 30,000 pounds gross trailer weight (ref: Holland or equivalent).
- Towing components, including rings for safety chains, shall be installed on a steel plate attached to the end of the truck frame and recessed six to ten inches from end of bed. Hook eye shall be 30 inches \pm 1 inch from the ground.
- Rear plate for towing components shall be 1/2-inch steel plate with A-frame reinforcement.
- Reinforcement arms shall be either attached to truck frame with high strength bolts directly or welded to another plate that is bolted to truck frame.
- Ends of arms shall be formed to lie flat against its mating part. At least two tow hook attachment bolts, one on each side of hook, shall engage the reinforcement.