



STATE OF CALIFORNIA
Department of General Services - Office of Procurement

PURCHASE ORDER

Purchase Order No. **62219** Rev. **6/30/2008** Date

Form GSOP I-PIN (04/98)

Supplier No. 130734	Solicitation No. 57113	Delivery Date 60 Days ARO	FOB Point Destination	Invoice Terms
S OCEANO DUNES SVRA h T 928 PACIFIC AVENUE i o HIGHWAY 1 P OCEANO, CA 93445		C PARKS & RECREATION A-50 h a T OHMVR DIV - H.Q. r o PO BOX 942896 g e SACRAMENTO, CA 94296-0001		
Agency Billing 53550	Agency Purchase Estimate E07V5003	Purchase Estimate 67187	Revision 0	
Agency Contact AMANDA MIRANDA		Phone 916-657-4085	Date Received	

VALLEY TRUCK & TRACTOR CO
10490 E. STOCKTON BLVD
#400
ELK GROVE, CA 95624
Attn: PATRICK ANDERSON

Phone: 916-714-2600

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
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						
1	1	EA	2410-563-0101-2	TRACTOR TRACKLAYING (AS DESCRIBED) Tractor, Rubber Tracked, 350 HP, 16X4 as described in specification #2410-0098R1.	340,152.0000	340,152.00
				Brand: JOHN DEERE		
				Model: 2430T		
Total Value:						340,152.00
<u>DELIVERY:</u> For the purpose of this bid, only bids quoted F.O.B. Destination will be accepted.						
<u>ATTACHMENTS:</u> THE FOLLOWING ATTACHED DOCUMENT IS PART OF THIS PURCHASE ORDER: 1. SPECIFICATION #2410-0098R1, DATED SEPTEMBER 4, 2008						
<u>DESCRIPTIVE LITERATURE:</u> Vendor shall furnish a minimum of one (1) set of operation manual. Vendor shall also furnish one (1) complete line sheet listing all filters, belts, and consumable parts (additional soft copy of hard media, if available).						

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

Buyer KATHLEEN SANBORN	Phone 916-375-4403	BOC Number
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Jon Oberly

STATE OF CALIFORNIA

Department of General Services - Office of Procurement

PURCHASE ORDER CONTINUATION

Form GSOP 2-PIN (04/98)

<i>Purchase Order No.</i>	<i>Revision</i>	<i>Date</i>	<i>Supplier No.</i>	<i>Supplier Name</i>
62219		6/30/2008	130734	VALLEY TRUCK & TRACTOR CO

<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>FEDERAL CERTIFICATION:</u> Final stage manufacturers shall be certified by National Highway Traffic Safety Administration and be registered to manufacture or alter vehicles in accordance with the code of Federal Regulation, Title 49, Parts 567-568.</p> <p><u>CALIFORNIA VEHICLE CODE:</u> Bidders shall comply with all provisions of the California Vehicle Code pertaining to occupational licensing requirements for vehicle dealers, manufacturers, etc. Bidders are to submit along with their bid a copy of their valid occupational license issued by the California Department of Motor Vehicles, or a valid copy of their dealer's license issued by the state where their business is located along with a copy of the occupational license of the California joint bidder. Bidders who fail to submit a copy of a valid occupational license when requested will not be eligible for award.</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> <p>This purchase order is being awarded on September 26, 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>This Purchase order has been registered into the state contact and procurement registration system (https://www.scprs.dgs.ca.gov/). The registration number is 37900908334904.</p>						



1. SCOPE

It is the intent of this specification is to describe a new, self-propelled Belted Track Laying Dozer Tractor equipped with a 14' dozer blade, of latest design and construction. The tractor will be used for maintaining beach access ramps, trash removal, cutting trail for 30 miles of perimeter fence, and for pulling a 12 yard scraper.

2. TECHNICAL SPECIFICATIONS Agency Purchase Estimate #: E07V5003

2.1 **Capacity:** The SAE operating weight of the base unit with stranded equipment, fully enclosed ROPS, cab and dozer blade shall not exceed 50,000 lbs.

2.2 **Engine:** The engine shall be a variable horsepower, turbo-charged diesel engine with a minimum SAE J 1349 net break power rating of ≥ 350 horsepower (hp). The turbo-charged engine shall maintain the manufactures specified power and torque ratings to $\geq 7,000$ ft above sea level. The engine shall be CARB certified. Emissions equipment shall be warranted by the tractors manufacturer for a minimum of five years. It shall be Tier III certified without exceptions.

The engine shall be equipped with, but not limited to, the following accessories:

2.2.1 The engine shall be direct start, 12-volt system.

2.2.2 The charging system shall be 12 volt, Maintenance Free Batteries, 1000 CCA with a ≥ 185 -amp alternator.

2.2.3 A dual stage air filter, with a pop-up indicator, prescreened intake and Venturi type, low profile, dust ejector shall be installed.

2.2.4 A cold weather ether starting aid will be installed.

2.2.5 The cooling system shall be designed to maintain an operating temperature with in the engine manufactures recommended operating range. The engine shall have a coolant recovery system.

2.2.6 The fuel system shall have fuel shut-off valve to prevent fuel loss during filter changes. The system shall have a water separator located between the fuel tank outlet and the fuel filters.

2.2.7 The engine lubrication shall be of adequate design to permit operation on slopes up to 45 degrees in any direction. The engine oil and filters intervals shall be ≤ 500 hours.

2.2.8 The exhaust system shall utilize a vertical exhaust stack. A rain cap may be provided if it is compatible with the required emission devices provided. The exhaust stack shall be constructed to restrict rain from entering the exhaust system and wind from turning the turbo charger. A simple elbow in the system does not perform the required functions and will not be acceptable.

2.3 Transmission:

- 2.3.1 The tractor's transmission shall be Powershift with ≥ 16 speeds forward, and ≥ 4 speeds reverse. Shall include an inching control peddle.
- 2.3.2 The tractor shall be delivered with single lever controls for speed, and direction changes. Electronic will be acceptable.
- 2.3.3 The transmission shall have a neutral locking capability that will – in the event the transmission is engaged – prevent the engine from starting or prevent the machine from moving if the engine is started.

2.4 Steering:

- 2.4.1 The tractor shall employ differential in the transmission as a means of steering.
- 2.4.2 The steering shall be controlled by a steering wheel that incorporates a tilt and telescopic quick release function.
- 2.4.3 Direction changes shall be smooth and responsive, regardless of the speed. This means at slower speeds the steering is more sensitive and requires minimal input for direction change. At higher transport speeds the steering is less sensitive, which means more steering movement to alter direction.
- 2.4.4 When the transmission is in park the steering may be locked out so not to allow machine movement.

2.5 Undercarriage:

- 2.5.1 Track pads shall be ≥ 30 " in width, with extreme application belts
- 2.5.2 Undercarriage shall be equipped with wide width idlers, midwheels, and drivers.
- 2.5.3 ≥ 90 tread bars, 30" high x 2.5" W shall be standard.
- 2.5.4 There shall be ≥ 52 guide blocks 4.5" high.
- 2.5.5 The wheel base shall be ≥ 110 ".

2.6 Brakes: All brakes must comply with SAE J1026, APR90 standards.

- 2.6.1 The service breaks shall be power-assisted or power-actuated and installed to apply braking force to both tracks.
- 2.6.2 The service brakes shall be foot-operated and shall be effective with equally pressure to both tracks. Power-assisted hydraulic brakes may be equipped with either air or hydraulic booster system. The service brake shall be self-adjusting, sealed to protect against the influence from dust, mud, water, or sand.
- 2.6.3 All external brake lines shall be protected/shielded from external impacts or pinching.
- 2.6.4 The parking brake shall be sufficient capacity to hold the weight of crawler on slopes.

2.7 Blade Assembly:

- 2.7.1 The blade shall be a 6 way fully hydraulic, with power angle, tilt, raise, and lower. The blade shall be designed with multiple sections, complete with bolt-on cutting edges. All blade function shall be performed from the operators cabin with one joy stick. (Ref. Leon Dozer Blade 14'x47")
- 2.7.2 Blade shall be $\geq 14'$ wide, have digging depth of $\geq 9''$ below ground level, and shall have raise height of $\geq 37''$.
- 2.7.3 Blade shall have a hydraulically controlled angle capable of $\geq 23^\circ$ each way from center.
- 2.7.4 Service points shall be fully accessible from a standing position on the ground.
- 2.7.5 The blade shall have skid shoes and jack stands for removal.
- 2.7.6 The blade shall be quick attachable and detachable.

2.8 Hitch:

- 2.8.1 This tractor shall be delivered with a category III point hitch with movable ball end and lifting capacity of $\geq 15,000$ lbs. A quick detachable wide swinging roller drawbar with clevis and trigger pin shall be installed.
- 2.8.2 Tractor shall have a Power Take Off (PTO) electronically controlled from the tractor operator management center.

2.9 Operator's Compartment: The operator's compartment shall be fully enclosed and equipped with safety tented side and rear glass windows and a key type locking doors. The cab shall be constructed to afford the operator visibility throughout the entire operation.

In addition to a fully enclosed cab, the operator shall also be protected by a Rollover Protective Structure (ROPS) in accordance with the State of California, Division of Industrial Safety, Construction Safety Orders, Title 8, section 1596. A combination cab and safety guard approved by the Division of Industrial Safety will be acceptable. In general, the cab shall provide maximum operator protection and comfort.

- 2.9.1 Placement of hand & foot controls shall be conveniently located as to provide the operator maximum comfort and control during operation. The equipment shall have locked valves in each implement circuit to prevent cylinder drift. Controls to lift the blade shall have a float position. Factory installed electric over hydraulic switches or hand controls may be provided in lieu of conventional levers.
- 2.9.2 The cab shall be fully enclosed, sound suppression, pressurized, heated, and have factory air conditioning (R134 refrigerant required). The air conditioning unit shall be mounted below the cab line.
- 2.9.3 Tractor shall be delivered with front, rear, and side independently controlled wiper assemblies and washer.

- 2.9.4 The cab shall be equipped with front and rear defroster fan
- 2.9.5 One inside and two outside mounted rear view mirrors will be installed. Out side mirrors shall be electronically controlled from the operators compartment.
- 2.9.6 The highest quality ergonomically designed adjustable suspension seat with multiple seat adjustable fore and aft, vertically, and adjustable angles of seat cushion and backrest with the ability to rotate 90° side to side. The seat will be equipped with three-inch seat belt. A second instructional seat shall be installed with seat belt.
- 2.9.7 The tractors management center shall be located on the right side of the operators seat, adjust fore /aft relative to seat to allow the operator at a finger touch engage the transmission, PTO, and hydraulic implement function.
- 2.9.8 A foot controlled engine throttle or decelerator peddle.
- 2.9.9 All glass shall be tinted safety glass.
- 2.9.10 An AM/FM - CD player with speakers shall be installed.
- 2.9.11 The tractors cab shall have cat walks installed to allow the operator access to the side, front and rear with out the possibility slipping.

2.10 Hydraulic System:

- 2.10.1 The hydraulic system may incorporate full flow filtration, using a replaceable element, spin-on type filter(s) and shall have a filtering capability of ≤ 25 microns.
- 2.10.2 The hydraulic pump shall be of sufficient capacity to permit the simultaneous operation of at least two controls.
- 2.10.3 All hoses, lines, and fittings shall be SAE compatible.
- 2.10.4 All hoses shall be high pressure, crimp type and shall be properly protected and routed to eliminate failure due to abrasion, cutting, kinking, etc.
- 2.10.5 Fittings and valves shall be of proper size to match the hydraulic line to which they are attached. Compression fittings shall not be used.
- 2.10.6 All threads shall be North American or metric type threads. Threads shall be one type or the other, not mixed.
- 2.10.7 The hydraulic pump shall have a minimum pump capacity of 40 GPM.
- 2.10.8 The minimum system operating relief pressure will be 2900 PSI.
- 2.10.9 All hydraulic cylinders must be double acting with bolted on rod guides.
- 2.10.10 The hydraulic system shall have (6) implement valves, Electric-Over Hydraulic, that includes raise, lower, and float detents. The first set of couplers on the valve stack shall have a priority setting for tractor implements.
- 2.10.11 The hydraulic system shall have automatic kick out from raise and lower at full cylinder travel and positive lock out for float position.

2.10.12 Hydraulic flow rates shall be fully adjustable from 1 GPM minimum to 40 GPM to multiple hydraulic couplers from the cab.

2.11 Electrical Systems and Instruments:

2.11.1 The dozer shall be equipped with visual and/or auditory warning devices to alert the operator of conditions critical to the engine and the equipment operation. These warning lights and sounding devices shall have their own source for actuations, rather than being dependent on another instrument. Warning lights shall be bright enough to stand out during all operating conditions and audible signals shall be distinguishable from the operations noises of the vehicle.

Critical engine and equipment operation conditions for which visual and auditory warning devices are required shall include the following:

- Low Engine oil pressure
- High engine coolant temperature
- High transmission temperature

NOTE: A gauge is not an acceptable visual warning device unless it is accompanied by a red light which illuminates or flashes upon reaching a critical engine condition.

2.11.2 The instrument arrangement should consist of subgroups monitoring the engine operation and the power train performance. Grouped gauges shall be consistent in size, color scheme, pointer design, and label style and size. All gauges and instrumentations shall be back-lighted or adequately illuminated for nighttime operation.

The tractors operating station shall be equipped with, but not limited to, the following engine monitoring instrumentation:

- Transmission oil temperature gauge
- Engine coolant temperature gauge
- Engine oil pressure gauge
- Hydraulic oil temperature gauge or high temperature indicator
- Volt meter

2.11.3 The lighting shall include the following lighting package for Hood:

- Two -Forward facing road lamps (halogen)
- Two -High beam road lamps (halogen)
- Two -Side Flood lamps (halogen)

2.11.4 The lighting shall include the following lighting package for Cab:

- Two -Forward facing flood lamps (halogen)
- Two -Rear facing flood lamps (halogen)

- Two -Amber colored rotating beacons
- Cab mounted turn singles

2.11.5 The lighting shall include the following lighting package for Finder:

- Four -rear facing flood lamps (halogen)
- red tail/stop combination

2.12 Miscellaneous Requirements:

- a. Park Brake engagement indicator shall be dash mounted
- b. 12 volt auxiliary implement power connector to be located on the rear
- c. Two 12 volt power points located in the operators compartment
- d. Warning horn
- e. Electric hour meter
- f. Coolant level sight gauge
- g. Hydraulic oil level sight gauge
- h. Full vandal lockup kit on all openings/fill spouts.
- i. Key type start/stop
- j. Full Crankcase guard may be provided as standard
- k. Full Power train guard
- l. Interior courtesy lights
- m. Minimum fuel tank capacity: 120 Gallons.
- n. Adequate fuel supply to operate 10-hour work shift without refueling.
- o. Engine enclosures.
- p. Hinged heavy-duty radiator guard to allow for easy cleaning of radiator.
- q. Manufactures standard color paint.
- r. Backup Alarm
- s. All fluid drains, (engine oil, coolant, hydraulic oil, diesel fuel, sediment drain, & power train case shall incorporate ecology type drains to control fluid flow while servicing.
- t. Sun visor, front tented glass.
- u. Slow moving vehicle decal located on the rear of tractor
- v. Tool box with a capacity of holding item up to 24" long weighing up to 150 lbs.
- w. Engine fan guards and side shields for hood
- x. 7 pin trailer connector

2.13 General:

- This unit shall be delivered completely assembled and ready to use.
- Bids will only be considered on equipment by a reliable firm carrying adequate supply of parts.

- All equipment cataloged as standard shall be furnished and included in the purchase price of the unit. Regardless of the possible omission in this specification, the entire unit shall be high quality workmanship.
- Operating manual (1), parts books (1), shop manual (1), shall be supplied at the time of delivery.
- Original "Dealers Report of Sale" or "Certificate of Origin" shall be furnished promptly at the time of delivery of the unit covered by this specification. Responsible officer of the vendor with the title of the signer also indicated must sign the "Bill of Sale".
- Prior to delivery, Department of General Services Inspector of Automotive Equipment at the Vendor's place of business will inspect the tractor for compliance with these specifications. It shall be the responsibility of the Vendor to ask for the inspector when the tractor is ready for inspection.
- The Manufacture of the tractor shall provide a one-year Warranty on all drive train components, hydraulic system, including hydraulic pumps, hydraulic rams, and hoses, planetary gear-boxes, (including gaskets and seals) mainframe, and electrical system. If the manufactures warranty on the described unit is greater than one year then that warrant will extended to the state. Warranty shall cover all parts and labor.
- Upon Delivery, it shall be the supplier's responsibility to provide any evidence necessary that the product fully meets all the requirements of these specifications.
- On-site service availability is also prime importance. A very high degree of reliability is expected from the equipment purchased. Equipment shall be available for operation a minimum of ninety-five percent (95%) of the time.
- Any and all service technicians that may be sent to work on the equipment shall have factory service training for that make and model of the equipment purchased. Engine(s) must be able to be serviced by the same service group as all the other components.

From the time the supplier receives a call from the F.O.B. point requesting service on an emergency or machine down basis, the vendor will guarantee to be at that location within twenty- four (24) hours to evaluate and attempt to repair the problem.

- From the time the supplier receives a call from the F.O.B. point requesting service on an emergency or machine down basis, the vendor will guarantee to be at that location within seventy-two (72) hours with all required parts to repair the problem.

- The tractor will be delivered to the following location:

OCEANO DUNES SVRA
928 PACIFIC AVE HWY 1
OCEANO DUNES CA 93445
CONTACT: CURT LINSE
(805) 773-7179