

**BID SPECIFICATIONS
FOR
3 CY WHEEL LOADER
JD 544K
\$148,951.00 (INCLUDING OPTIONS) TIER 4**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a 3-yard wheel loader. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment. The wheel loader must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacturer.

The use of specific names and numbers in the specification is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the Invitation to Bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The bid price shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual, one (1) copy of the repair manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment bid. If replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the county to use at no cost to the county until such time as the parts are delivered to the county so it can affect repairs on its machine.

FILTERS

The cost of all filters required to perform scheduled maintenance as outlined in the manufacturer's service schedule and to meet warranty requirements shall be included in the base bid price of the machine for the period of three years or 3600 hours. The filters shall be furnished with each machine purchased or at the option of the purchasing County may be picked up at the dealership as needed. Assume 1200 hours of annual use to determine filter requirements.

WARRANTY Bidders shall submit a copy of the manufacturer's standard warranty and a 3-year, 3600 hour power train warranty along with a complete explanation of the warranty with their bid. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes ___ No ___
Page # _____
or
Attachment _____

OPERATING HEIGHT

Machine shall be no taller than 10' 9" from ground to top of cab, so that the machine can be hauled by a low boy drop trailer.

Yes ___ No ___
Page # _____

DUMP CLEARANCE

The wheel loader dump clearance shall be no less than 9' 1" at full height and 45 degree dump angle.

Yes ___ No ___
Page # _____

STEERING

The wheel loader shall have a 40 degree full turn articulation steering angle both right and left of center.

Yes ___ No ___
Page # _____

The steering system shall be a full hydraulic type and shall perform independent of engine speed variations. The maximum turning radius at the outside of the bucket with a bolt on cutting edge shall be 20 ft.

Yes ___ No ___
Page # _____

OIL SAMPLES

Oil sample analysis shall be provided, at no cost to the county, through the standard and extended warranty periods. Oil sample kits are to be provided and are to include a sample gun. Oil sampling ports shall be standard for quick and clean access to various machine oils (such as hydraulic, engine oil, transmission).

Yes ___ No ___
Page # _____

OPERATOR STATION

-Cab shall be designed and built by the loader manufacturer.

Yes ___ No ___
Page # _____

-Cab shall be equipped with heater and air conditioner and AM/FM radio.

Yes ___ No ___
Page # _____

-Loader shall have cab option. Loader shall meet ROPS/FOPS regulations standard in North America.

Yes ___ No ___
Page # _____

-Loader shall have easy to read gauges and digital gear, direction and RPM readings.

Yes ___ No ___
Page # _____

-Loader shall have a standard hydraulic joystick which controls both lift and tilt functions. A remote transmission control switch on joystick is standard.

Yes ___ No ___
Page # _____

-Loader shall have adjustable, air suspension seat.

Yes ___ No ___
Page # _____

-Loader shall have retractable 3" seat belt.

Yes ___ No ___
Page # _____

POWERTRAIN

-Engine must have a minimum of six (6) cylinders and turbocharged.

Yes ___ No ___
Page # _____

-Engine shall have thermal starting aid (not ether)

Yes ___ No ___
Page # _____

-The loader shall be equipped with crankcase and powertrain guards.

Yes ___ No ___
Page # _____

-Engine shall have extended life coolant that protects to -33°F.

Yes ___ No ___

Page # _____

-Drive shaft shall be lubed for life.

Yes ___ No ___
Page # _____

-All powertrain components shall be designed and built by loader manufacturer.

Yes ___ No ___
Page # _____

-The engine shall have a minimum net HP of 150 at 1800 RPM with a minimum displacement of 400 cubic inches.

Yes ___ No ___
Page # _____

-The engine shall meet all worldwide emission requirements and be Tier IV compliant.

Yes ___ No ___
Page # _____

-Cooling system shall be separated from engine compartment.

Yes ___ No ___
Page # _____

-Loader shall have electronic module to control engine timing and monitoring of vital engine systems.

Yes ___ No ___
Page # _____

-Loader shall have fixed front and oscillating rear ($\pm 11^\circ$) allowing for 18.9" of rear movement.

Yes ___ No ___
Page # _____

-Loader shall have fully enclosed, adjustment free oil-disc brakes.

Yes ___ No ___
Page # _____

-Loader shall have Duo-Cone seals between axle and housing.

Yes ___ No ___
Page # _____

-Unit shall be equipped with 20.5 R25 L3 XHA tires.

Yes ___ No ___
Page # _____

-Countershaft powershift transmission shall be designed and built by manufacturer. The loader shall have 4-forward/3 reverse with a minimum travel speed forward of 25 mph and reverse of 25 mph.

Yes ___ No ___
Page # _____

-Loader shall have computer-controlled modulation for smoother shifting.

Yes ___ No ___
Page # _____

-Transmission shall have ratio spur gears that are precision ground and heat-treated.

Yes ___ No ___
Page # _____

-Loader shall have manual shifting as well as auto shifting options. Auto shift will have full throttle (aggressive operation) and variable shift (economy mode) options.

Yes ___ No ___
Page # _____

INSTRUMENTATION

-The wheel loader shall include the following gauges: hour meter, fuel, transmission or torque converter oil temperature and engine coolant temperature.

Yes ___ No ___
Page # _____

-The wheel loader shall also include the following indicator lights: battery charge, engine oil pressure, low coolant level, parking brake warning, and low brake pressure.

Yes ___ No ___
Page # _____

ELECTRIC SYSTEM

-The electrical system shall have a 95-amp alternator, (2) 950 CCA maintenance free batteries and 24-volt starting system.

Yes ___ No ___
Page # _____

-The unit shall be equipped with roading lights and halogen work lights, 4-front

and 2-rear.

Yes ___ No ___
Page # _____

-Unit shall be equipped with 12-volt converter to operate a two-way radio.

Yes ___ No ___
Page # _____

HYDRAULIC SYSTEM:

-Shall have a minimum flow of 40 gallons/minute.

Yes ___ No ___
Page # _____

-Hydraulic system shall be an open-centered system with pilot-operated hydraulic controls.

Yes ___ No ___
Page # _____

-It shall be possible to add a valve section for additional functions and to allow the use of a multipurpose bucket.

Yes ___ No ___
Page # _____

WORK TOOLS

-Bucket shall be designed and built by the loader manufacturer.

Yes ___ No ___
Page # _____

-Bucket shall be in 3.0 CYD capacity (with bolt-on cutting edges and teeth).

Yes ___ No ___
Page # _____

SERVICEABILITY

-All daily service points shall be accessible from the ground level and shall have sight gauges for radiator coolant, hydraulic oil and transmission oil.

Yes ___ No ___
Page # _____

-Loader shall have swing-out cooling fan for quick and easy access to the radiator

and oil coolers.

Yes ___ No ___
Page # _____

-All filters shall be vertically mounted and spin-on for ease of service and to prevent spilling during service.

Yes ___ No ___
Page # _____

GENERAL

Unit shall be equipped with vandalism protection with locking service ports, cushioned steering stops, front fenders, toolbox, in addition to all other standard equipment.

Yes ___ No ___
Page # _____

OPERATING WEIGHT AND LIFT CAPACITIES

-Unit shall weigh a minimum of 28,000 lbs with counterweight 3.0 cubic yard bucket and 20.5-25.

Yes ___ No ___
Page # _____

-Straight static tipping load shall be a minimum of 20,000 lbs.

Yes ___ No ___
Page # _____

-Full turn (40°) static tipping load shall be a minimum of 18,000 lbs.

Yes ___ No ___
Page # _____

-Breakout force shall be a minimum of 22,000 lbs.

Yes ___ No ___
Page # _____

OWNING AND OPERATING COSTS

-Recommended service shall have minimum: 500 hour engine oil change; 4000 hour hydraulic oil change; 1000 hour hydraulic filter change; 2000 hour transmission oil change.

Yes ___ No ___
Page # _____

OPTIONS

Bid must include the cost for each of the following options, itemized separately on the bid:

-Integrated tool carrier (IT) weighing minimum of 28,500 lbs, with counterweight 3.0 cubic yard bucket and 20.5-25 tires, minimum straight static tipping load of 20,000 lbs., full turn static tipping load minimum of 17,500 lbs, and breakout force of 28,000 lbs. IT option shall have parallel design linkage, box boom type construction, that keeps the bucket floor or forks level throughout the entire lifting range and must have 4th valve installed.

Yes ___ No ___
Page # _____

-Beacon Light, rotating or strobe

Yes ___ No ___
Page # _____

-3.0 cubic yard bucket

Yes ___ No ___
Page # _____

-53" pallet forks

Yes ___ No ___
Page # _____

Limited slip differentials on the rear for use in slippery underfoot conditions

Yes ___ No ___
Page # _____

Additional 2 years of filters based on 1200 hours per year use

Yes ___ No ___
Page # _____

An extended power train warranty that covers an additional two (2) years or additional 2400 hours, whichever occurs first.

Yes ___ No ___
Page # _____

NOTE: Award will be made on the basis of the total cost of the machine with all options included. However, a county may, at its discretion, deduct one or more of the above-referenced options from the machine, and in such event, the cost of the options as stated on the bid shall be deducted from the total cost of the machine. There shall be no other deductions and no additions made to the machine by the purchasing county or by the vendor.

OPTION COST SHEET FOR 3 CY WHEEL LOADER TIER 4

| <u>Option</u> | <u>Option Price</u> |
|--|---------------------|
| Integrated tool carrier as in bid specifications | \$ <u>4,463.00</u> |
| Beacon light | \$ <u>400.00</u> |
| 3.0 cubic yard bucket | \$ <u>4,041.00</u> |
| 53" pallet forks | \$ <u>2,146.00</u> |
| Limited slip differentials on the rear | \$ <u>896.00</u> |
| Extended warranty | \$ <u>1,262.00</u> |
| Additional 2 years of filters | \$ <u>2,842.00</u> |

NOTE: Award will be made on the basis of the total cost of the machine with all options included. However, a county may, at its discretion, deduct one or more of the above-referenced options from the machine, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the machine. There shall be no other deductions and no additions made to the machine by the purchasing county or by the vendor.

COUNTY JOINT BID PROGRAM PURCHASE PROCEDURES

Effective January 1, 2008

All purchases by counties pursuant to the County Joint Bid Program shall be made by (1) mailing or faxing the appropriate Purchase Order to the vendor who has been awarded the contract for the item to be ordered and (2) faxing a copy of the Purchase Order to the Association of County Commissions of Alabama (ACCA) office at 334-263-7678. Purchase Order Forms and all necessary information regarding the vendor and items available can be obtained at the ACCA website (www.alabamacounties.org).

Each purchase order shall be signed by the person authorized by the county to sign and shall include the County Joint Bid Program Item Number. A copy of the form submitted shall be retained by the county.

The county shall deal directly with the company representative for the vendor in making purchases under this program. The vendor shall complete all orders in compliance with its agreement under the program, and shall deal directly with each county in processing and completing their orders and in complying with service and warranty requirements. Road sign vendors should keep in mind that they are required to deliver all items to the location identified by the county ordering them within thirty (30) calendar days from the date of order, and the cost of any items not delivered within this time period will be reduced in price by 10%.

It is important to remember that under Code of Alabama 1975, § 41-16-50(b), all purchases made pursuant to this program shall be subject to the terms and conditions of Alabama's Competitive Bid Law. Therefore, counties are only authorized to purchase the specific items awarded under the program according to the bid specifications and must comply with these procedures in placing all orders.

There can be no deletions or additions to items purchased under this program, except as specifically provided for in the bid specifications. Optional equipment authorized under the bid specifications on certain heavy equipment orders may be deleted by the county at the time of purchase, and in that event, the cost of that item as provided by the vendor shall be deducted from the total cost of the item.

**COUNTY JOINT BID PROGRAM
3 CY WHEEL LOADER TIER 4
PURCHASE ORDER FORM**

***This form must be mailed or faxed to the Vendor with
Copy faxed to the ACCA Office at 334-263-7678***

Date of Order: _____ County Purchase Order No. _____

County: _____ County Contact Person: _____

County Address: _____

County Phone Number: _____

County Fax Number: _____

E-mail Address: _____

Equipment Model or Item Name and Number: JD 544K

Number of items ordered: _____ Price per item: _____

Vendor: Warrior Tractor & Equipment Company, Inc. Company Contact: David Patterson

Vendor address: 6801 McFarland Blvd W
Northport, AL 35476

Deliver to the Attention of: _____

Delivery Address: _____

Requested delivery date: _____

Name of person making purchase request: _____

Title: _____

Authorized County Signature: _____

Initial confirming form sent to vendor: _____

Initial confirming form sent to ACCA: _____