

**BID SPECIFICATIONS
FOR
TRUCK-MOUNTED HYDRAULIC EXCAVATOR - OPTION A
GRADALL XL 4100
\$332,568.00 (INCLUDING OPTIONS)**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a truck mounted telescopic boom hydraulic excavator. 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 unit offered shall be a new current production model and the manufacturer's printed literature shall be submitted with the bid. Must be a new current product model and must meet all EPA and other federal standards.

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 will be provided with one (1) copy of the operator's manuals, one [1] repair manual, and one (1) copy of the current parts manuals. 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. If any 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 repair the 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.

UPPERSTRUCTURE SPECIFICATIONS

Rotating Structure

The upperstructure shall be supported on the carrier by a internal swing bearing and shall be capable of continuous swing at not less than 8 RPM.

Yes ___ No ___
Page # _____

The counterweight shall weigh not more than 7500 pounds and the tail swing shall not exceed 9’0”.

Yes ___ No ___
Page # _____

Swing system shall incorporate a spring set, hydraulic release swing parking brake.

Yes ___ No ___
Page # _____

Anti-slip paint is required on all walking surfaces.

Yes ___ No ___
Page # _____

Boom

The boom shall be triangular in cross section and shall consist of a main section and a telescoping section.

Yes ___ No ___
Page # _____

Adjustable boom rollers shall be furnished on both boom sections.

Yes ___ No ___
Page # _____

The telescope section shall be equipped with a two-position quick-change bucket adapter and shall telescope hydraulically through a distance of not less than 12’6”.

Yes ___ No ___
Page # _____

The boom assembly shall be supported by a cradle that provides for the tilt of the entire boom assembly and attachment through an arc of not less than 220° about its longitudinal axis.

Yes ___ No ___
Page # _____

The boom shall rise through an arc of not less than 30° and lower not less than 75°.

Yes ___ No ___

Page # _____

The attachment shall open and close through an arc of not less than 165°.

Yes ___ No ___

Page # _____

Hydraulic System

Power for the hydraulic system shall be supplied by the carrier engine.

Yes ___ No ___

Page # _____

There shall be one-piston pump providing not less than 77 GPM @ 4700 PSI equipped with an automatic disconnect.

Yes ___ No ___

Page # _____

The system shall provide for each of the following:

Simultaneous boom

Yes ___ No ___

Page # _____

Swing and remote functions

Yes ___ No ___

Page # _____

Quick disconnect type pressure check ports

Yes ___ No ___

Page # _____

Minimum 68 HP swing motor

Yes ___ No ___

Page # _____

Minimum 21 HP tilt motor

Yes ___ No ___

Page # _____

2 remote drive motors with minimum 65 combined HP

Yes ___ No ___

Page # _____

Appropriate relief valves

Yes ___ No ___

Page # _____

Oil cooler and filter with service indicator

Yes ___ No ___

Page # _____

System operating pressure shall not exceed 4750 PSI

Yes ___ No ___

Page # _____

CAB & CONTROLS

The operator's cab shall be all weather with safety glass windows and skylight.

Yes ___ No ___

Page # _____

The cab shall be complete with front window that rolls overhead for storage, wiper washer, four-way adjustable seat, acoustical treatment, signal horn, filtered air conditioner, heater and defroster.

Yes ___ No ___

Page # _____

Controls shall be self-centering deadman type consisting of 2 hydraulic joysticks mounted on armrests and one rocker switch for all upperstructure movements.

Yes ___ No ___
Page # _____

There shall be warning lights for low air, engine maintenance, hydraulic filter condition and level.

Yes ___ No ___
Page # _____

There shall be an automatic engine shutdown for low oil pressure or high coolant temperature.

Yes ___ No ___
Page # _____

Remote carrier, propel steering and automatic digging brake shall be controlled by two-foot pedals.

Yes ___ No ___
Page # _____

There shall be a rocker switch on the control panel to select high or low speed for the remote travel.

Yes ___ No ___
Page # _____

The hydraulic remote control system shall be complete with an emergency brake control and travel alarm.

Yes ___ No ___
Page # _____

UNDERCARRIAGE SPECIFICATIONS

CARRIER

Carrier shall be 6 X 4 rubber tired type, 8'-6" wide with a 60,600 lb. gross vehicle axle weight rating.

Yes ___ No ___
Page # _____

Wheelbase of unit shall be minimum of 170" and the frame width minimum of 48".

Yes ___ No ___
Page # _____

The carrier shall be equipped with remote control.

Yes ___ No ___
Page # _____

ENGINE

The carrier shall be powered by a turbo charged after cooled automotive certification diesel engine with a minimum 386 C.I.D. developing 250 H.P. at 2300 R.P.M.

Yes ___ No ___
Page # _____

The electrical system shall be 12 volt with two S.A.E. #C31-S 1000 CCA batteries, and a 100-amp alternator.

Yes ___ No ___
Page # _____

TRANSMISSION

The carrier shall be equipped with a 9-speed transmission, Fuller RTX 14609B or equal.

Yes ___ No ___
Page # _____

Max road speed... 53 mph.

Yes ___ No ___
Page # _____

BRAKES

Both axles to be equipped with internal wet disc service brakes.

Yes ___ No ___
Page # _____

WHEELS AND TIRES

10 x 20 superlugs.

Yes ___ No ___
Page # _____

CLUTCH

The clutch shall be a minimum of 14” two-plate, pull type.

Yes ___ No ___
Page # _____

AXLES AND SUSPENSION

The front axle shall be rated at 14,600 lb. minimum, Meritor FG941.

Yes ___ No ___
Page # _____

The front suspension shall be leaf type and shall be complete with automatic lockout cylinders.

Yes ___ No ___
Page # _____

The rear tandem axles shall be rated at 46,000 lb. minimum with single reduction, Meritor RT-46-160.

Yes ___ No ___
Page # _____

The forward tandem axle shall be equipped with a cab controlled differential lock.

Yes ___ No ___
Page # _____

A cab controlled inter-axle differential lock shall be provided.

Yes ___ No ___
Page # _____

BRAKES

The carrier shall be equipped with six wheel cam type air brakes and automatic slack adjusters.

Yes ___ No ___
Page # _____

The system shall include spring set brakes incorporating emergency and parking brakes on both rear axles.

Yes ___ No ___
Page # _____

The system shall include a minimum 15.5 C.F.M. air compressor and desiccant type air dryer with automatic purge valve and thermostatically controlled heater.

Yes ___ No ___
Page # _____

WHEELS AND TIRES

The wheels shall be 10-stud hub piloted disc.

Yes ___ No ___
Page # _____

The front tires shall be single 15.00 X 22.5 16PR with highway tread.

Yes ___ No ___
Page # _____

The eight rear tires shall be 10.00 X 20-14PR, with traction tread.

Yes ___ No ___
Page # _____

STEERING

Carrier steering shall be integral hydraulic power steering.

Yes ___ No ___
Page # _____

CAB

The carrier cab shall be a one man, isolation mounted cab.

Yes ___ No ___
Page # _____

The cab shall include an air seat, tinted safety glass windows, acoustical lining, and heater and defroster.

Yes ___ No ___
Page # _____

Side windows must open for ventilation and be adjustable.

Yes ___ No ___
Page # _____

Cab instrument panel shall include gauges for oil pressure, water temperature, dual air tank pressures, fuel, voltmeter, hour meter, speedometer and odometer.

Yes ___ No ___
Page # _____

The carrier shall be complete with:
Headlights

Yes ___ No ___
Page # _____

Tail lights

Yes ___ No ___
Page # _____

Stoplights

Yes ___ No ___
Page # _____

Back-up lights

Yes ___ No ___
Page # _____

Identification light clusters

Yes ___ No ___
Page # _____

Turn indicators

Yes ___ No ___
Page # _____

Hazard warning

Yes ___ No ___
Page # _____

Electric windshield wiper and washer

Yes ___ No ___
Page # _____

Back-up alarm

Yes ___ No ___
Page # _____

Plain and convex mirrors on both sides

Yes ___ No ___
Page # _____

OPERATING WEIGHT

Working weight, including 36" excavating bucket and half-full fuel tanks shall exceed 46,000 pounds

Yes ___ No ___
Page # _____

Equipment shall be capable of performing all functions without use of outriggers

Yes ___ No ___
Page # _____

BUCKET

Unit shall be equipped with a 60" ditching bucket.

Yes ___ No ___
Page # _____

LIGHTS

Upperstructure shall be equipped with:

Minimum of two floodlights on boom cradle

Yes ___ No ___
Page # _____

Four floodlights on the operator's cab

Yes ___ No ___
Page # _____

Two floodlights on the upperstructure shrouding

Yes ___ No ___
Page # _____

A safety amber strobe light shall be mounted on the operator's cab.

Yes ___ No ___
Page # _____

OPTIONS

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

Fixed thumb grapple

Yes ___ No ___

Page # _____

30" pavement removal bucket

Yes ___ No ___

Page # _____

30" excavating bucket

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 an 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 TRUCK-MOUNTED HYDRAULIC EXCAVATOR - OPTION A

<u>Option</u>	<u>Option Price</u>
Fixed thumb grapple	\$7,500.00
30" pavement removal bucket	\$7,000.00
30" excavating bucket	\$3,500.00
Extended warranty	\$2,500.00
Additional 2 years filters	\$1,000.00

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.acca-online.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
PURCHASE ORDER FOR TRUCK MOUNT EXCAVATOR-OPTION A
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: _____

Number of items ordered: _____ Price per item: _____

Vendor: Tractor & Equipment Co., Inc. Company Contact: Joe Patton

Vendor address: P.O. Box 12326
 Birmingham, AL 35202

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: _____