

**GORDON COUNTY, GEORGIA
MEMORANDUM**

To: Board of County Commissioners
From: Randall Dowling, County Administrator
Subject: Bid Award of a Replacement Truck Mounted Hydraulic Excavator
(Gradall) for the Public Works Dept.
Date: September 21, 2012

Gordon County solicited for sealed written competitive bids from qualified vendors to purchase a new 2012 truck mounted hydraulic excavator (Gradall) to replace an existing one for the Public Works Dept. Bid documents were prepared and sent to potential vendors and advertised on the state procurement web site, county web site, a national bid web site, and in the Calhoun Times on Aug. 29, Sept. 5, and 12, 2012. The deadline to submit sealed bids was 2:00 p.m. on September 19, 2012. County staff opened the bids received at that time in a public bid opening. Below was the response:

Bidder	Unit Cost	Tree Limb Shear Attachment	Total Cost
Tractor & Equipment Co. (Calhoun)	\$318,205	\$13,300	\$331,505

This piece of equipment is unique and only has one manufacturer, Gradall. Tractor & Equipment Company is the only authorized dealer of this type of equipment in the Northwest Georgia area.

RECOMMENDATION

Staff recommends the Board purchase this truck mounted hydraulic excavator (Gradall) with the tree limb shear attachment from Tractor & Equipment Company for a total price of \$331,505 and a 60 day delivery date. Funds for this purchase were budgeted in the SPLOST 2005 Projects Fund. The old Gradall will be placed in the Nov. 10 2012 annual auction.

Attachments: 1) Bid Form
2) Photo and Equipment Specs

BID FORM (1)
Truck Mounted Hydraulic Excavator
 Bid # 2012-RD103

VENDOR:

PRICE: - One (1) New Current Truck Mounted Hydraulic Excavator

Vendor(s)	Body & Equipment Vendors
Make Model	Gradall XL 4100 IV
Net Price – Delivered to Gordon County, GA	\$ 318,205 ⁰⁰
Options <i>Aux. Hyd.</i>	\$ 6,935 ⁰⁰
Rotary 60" Cutting Head	\$ 14,600 ⁰⁰
Tree Limb Shear	\$ 13,300 ⁰⁰
Total with options Delivered to Gordon County	\$ 353,040 ⁰⁰

Delivery Time: This is the total delivery time frame from order date including truck set up by various vendors In stock (approx. # Days) *Depending on options wanted*

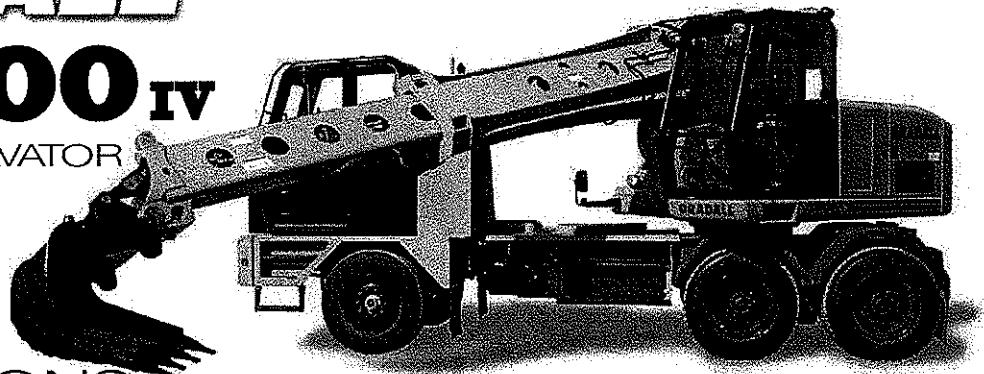
Company Submitting Bid Tractor Equipment Co.

Bid date 9/19/2012

GRADALL®

XL 4100 IV

HYDRAULIC EXCAVATOR



XL 4100 IV

SPECIFICATIONS

Undercarriage

6 x 4 or 6 x 6

Wheelbase: 171" (4.34m)

Width 102" (2.6m)

Frame:

48" (1.2m) wide, welded plate design
65 ksi material

Gross vehicle axle weight rating:

6 x 4 66,000 lb (29,937 kg)

6 x 6 69,000 lb (31,928 kg)

Front axles:

6 x 4: Meritor Model MFS-16-122A, 16,000 lb (7,257 kg) rating

6 x 6: Meritor Model MX19-145, 19,000 lb (8,618 kg) rating, 7.17 ratio

Rear axle:

Meritor Model RT-50-160, 50,000 lb (22,680 kg) rating, 7.17 ratio, single reduction with driver controlled differential lock in front/rear and interaxle differential with lock

Suspension:

Front: 8 leaf spring with automatic lock-out cylinders

Rear: Hendrickson Equalizer Beam, 8" oscillation

Brakes:

6 x 4 Front: Meritor "Q" Plus Series Cam-Master
Size: 16.5" x 5" (419 mm x 152 mm)
Automatic Slack Adjusters

6 x 6 Front: Meritor "Q" Series Cam-Master
Size: 16.5" x 6" (419 mm x 127 mm)
Automatic Slack Adjusters

Rear: Meritor "P" Series Cam-Master
Size: 16.5" x 7"
(419 mm x 178 mm)
Automatic Slack Adjusters

Spring brake system incorporates emergency and parking brakes on the rear axle. Heated air dryer.

Wheels:

Hub piloted disc 10-stud, 11.25" (286 mm) bolt circle.

Tires:

6x4 front: 385/65R225 18-ply on/off highway tread

6x6 front: 425/65R225 18-ply on/off highway traction tread

6x4 and 6x6 rear: 11R245 16-ply on/off highway traction tread

Steering:

Ross, integral hydraulic power steering. Gear type power steering pump. 4-quart power steering reservoir with filter and 10 Micron pre-filter.

Standard chassis equipment:

Halogen headlights, tail lights, back-up lights and alarm, stoplights, identification lights front and rear, directional lights, 4-way hazard lights, and instrument panel lights. Windshield wiper/washer; West Coast style mirror system with plane and convex mirrors, front and rear tow hooks, desiccant type air dryer with automatic purge valve and thermostatically controlled heater.

Hydraulic System

PUMPS

One load-sensing axial piston pump; 0-77 GPM (0-291 L/min) total.

One gear pump (pilot & cooling) 11 gpm (41 L/min)

SYSTEM SPECIFICATIONS

Four double acting cylinders

- 1 Boom Cylinder: 3.5" (89mm) bore x 2.56" (65mm) rod x 150" (3.81m) stroke
- 2 Hoist Cylinders: 4.25" (108mm) bore x 3.15" (80mm) rod x 31" (787mm) stroke
- 1 Tool Cylinder: 5.0" (127mm) bore x 3.0" (76mm) rod x 25.9" (658mm) stroke

Three hydraulic motors

Swing, 64 Hp (48kW); tilt, 21 Hp (16kW); remote drive, 110 Hp (82kW) total.

Operating pressures

Hoist	4,800 psi (331 Bar)
Tilt	2,500 psi (172 Bar)
Swing	4,200 psi (290 Bar)
Tool	4,800 psi (331 Bar)
Telescope	4,800 psi (331 Bar)
Remote Propel	4,800 psi (331 Bar)
Pilot system	500 psi (35 Bar)

Oil capacity

Reservoir 50 gallons (189 L), system 70 gallons (265 L). Pressurized reservoir with visual oil level gauge.

Filtration system

5 micron return filter with magnet.
10 micron pilot filter.

Fin and tube-type oil cooler with thermostatically controlled cooling fan.

Pressure-compensated, load-sensing valves with circuit reliefs in all circuits.

Chassis Cab

One-person cab, left-hand mount, isolated from frame on rubber mounts. Acoustical lining. Sun visor. Gauges for oil pressure, coolant temperature, air tank pressures, fuel level, DEF level, voltmeter, speedometer with odometer, tachometer with hour meter. Engine and transmission monitor lights. Engine shutdown controlled by engine electronics. Indicator lights and controls for front axle engagement (6 x 6 only) and rear axle differential lock. Park brake control. Tinted safety glass. Sliding side windows. Fresh air heater and defroster. Dome light. Air suspension seat with seat belt. Vent in door.

Upperstructure Cab

All-weather cab isolated from frame on rubber mounts. Tinted safety glass windows, skylight, acoustical lining, four-way adjustable operator's seat, dome light, filtered air heater and defroster, AM/FM radio, air conditioning, work light package.

The heat source is provided by a fast response, closed circuit hydraulic heater with 20,000 BTU/Hr. capacity.

Front window slides to overhead storage. Mirrors on right and left sides of the machine. Windshield wiper and washer.

Hydraulic Remote Control

Upperstructure powered by chassis hydraulics through hydraulic motor and transfer case. Travel and steering pedals in upperstructure cab. Digging brakes and front axle lockout cylinders set automatically with travel pedal in neutral. Parking brake controlled by toggle.

Electrically operated alarm mounted on undercarriage signals remote control movement in either direction, reverse movement when driven from undercarriage cab.