

**BID SPECIFICATIONS  
FOR  
WHEELED EXCAVATOR  
CAT M322  
\$312,793.00 (INCLUDING OPTIONS) TIER 3**

**GENERAL**

These specifications shall be construed as the minimum acceptable standards for a wheeled 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 excavator must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacture.

The use of specific names and numbers in the specifications 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 the 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 price bid 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. 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 affect repairs to 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 bid price of the machine for the period three years or 3,600 hours of use. 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 annual hours of 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.

**WEIGHT**

Minimum 45,000 lbs.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**ENGINE**

Six (6) cylinders, turbo charged, diesel engine with minimum of 164 NET flywheel horsepower and a minimum displacement of 366 cubic inches.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Air Inlet heater

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

High Ambient cooling package

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Oil and fuel filters of spin-on type, vertically mounted, accessible from ground level

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Automatic engine speed control

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Maintenance free batteries

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Factory installed fuel line water separator

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Factory installed long-life coolant with a minimum life of 3000 hours or three years, rated to -37° C (-34° F).

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Longitudinally mounted for ground level maintenance and service checks

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Electronically controlled variable speed on-demand fan type cooling system driven by a hydraulic pump

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Engine designed and made by equipment manufacturer

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**TRANSMISSION**

Two-speed powershift, all-wheel drive in both speed ranges with creeper speed

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Mounted to rear axle

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Travel speed not less than 15.5 mph

Yes \_\_\_ No \_\_\_

Travel speed lock

Page # \_\_\_\_\_

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Downshift inhibitor

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

### **HYDRAULICS**

Factory-installed pressure test taps for each hydraulic circuit, accessible from ground level

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Stackable hydraulic valves

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Separated engine and hydraulic pumps

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Variable displacement, closed center, load sensing hydraulic system

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Dedicated swing pump for implements

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Variable displacement swing pump

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Minimum 58 gallon hydraulic oil tank

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Travel circuit maximum pressure not less than 5,075 psi

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Swing circuit maximum pressure not less than 4,495 psi

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

High pressure hydraulics circuit capable of powering high speed cutting attachment

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Single rocker pedal controls

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Plumbed and equipped with all hydraulic lines necessary to run saw attachment.

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Hoses manufactured by the equipment manufacturer

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

### **AXLES/BRAKES**

Front steering axle pivotally mounted to the frame and free to oscillate not less than 9° in either direction

Yes \_\_\_ No \_\_\_

Page # \_\_\_\_\_

Wheels steerable 35° in either direction

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Minimum 14" ground clearance

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Maintenance-free wet disk brakes on all four wheels

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Two separate pre-charged hydraulic accumulators, one per brake circuit

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Axles of heavy duty construction

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**ELECTRONICS, ELECTRONIC CONTROLS, ELECTRIC SYSTEM**

Electronic fluid level check at machine start-up with operator warning for the following fluids: engine coolant, hydraulic oil-12-volt, 7-amp power supply-24-volt electrical starting system

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Alternator rated at not less than 55 amps

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Two 750CCA batteries

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Microprocessor for monitoring and controlling engine and hydraulic interface with backup system

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Central diagnostic function to record system parameters and faults

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Derate feature to limit power if engine temperature is too high or hydraulic oil temperature is either high or too low

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab monitor warning display when oil and filter maintenance interval is due

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Cab monitor text warning messages of problems and international fault codes display

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Central diagnostic function to record system parameters and faults

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Key-operated master electrical disconnect switch that cuts all electrical power to all circuits

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Wire harnesses encased in nylon mesh bindings

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Travel alarm

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**BOOM STICK AND PERFORMANCE**

One-piece boom, 18'-6", with work light and 9'-6" stick

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Maximum reach at ground level not less than 33'-2"

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Maximum digging depth not less than 20'-7"

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Maximum bucket digging force with standard trenching bucket not less than 29,450 lbs.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Maximum stick digging force not less than 21,810 lbs.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Maximum lifting capacity at ground level 20' from machine with two stabilizers down not less than 16,500 lbs.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Anti-drift valves for stick and bucket cylinders

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

One (1) 0.91 cubic yard, 79" rigid ditching bucket

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**OUTRIGGERS**

Four (4) pin-on and interchangeable, independently controlled (Front/Rear)  
(Note: Either front or rear will be deleted if the Dozer Blade option is chosen)

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**CAB**

Roading, tail, and turn lights

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Falling objects guard

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Suspension seat with lumbar support

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Forward and backward independently sliding seat and console

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Sliding door window

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Easily removable rear window

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Control levels mounted to suspension seat Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Seat adjustable fore and aft both together and separate from control levels Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Shock reducing dampening mounts Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Factory installed AM/FM radio Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Factory installed air conditioning with easy removable primary filter Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Tiltable left-hand control console Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

All hydraulic controls locked out when console is in raised position. Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Console must be in raised position for engine start-up Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Polycarbonate sky-light Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Tiltable steering column Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

2.5" wide retractable seat belt Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**TIRES**

11.00-20, 16ply dual Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**UNIT SHALL BE EQUIPPED WITH:**

Anti-skid, punched steel star plate covering the entire normal walking surface of the upper structure Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Three rear-view mirrors Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Operating weight not less than 45,000 lbs. Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Counterweight with built-in lifting eyes not less than 11,900 lbs. Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Maintenance points accessible from ground level Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Wiper and washer for lower windshield

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Internal lifetime lubricated swing gear

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Centralized greasing port for the front end and swing bearing greasing

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Automatic swing brake

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Fuel capacity not less than 102 gal.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

**OPTIONS**

Bid must include the following:

**BRUSH CUTTING ATTACHMENT:**

52" mulching blade disc/cutter with cupped and bullet teeth, made of astralloy  
28 teeth on cutting disc, Extra set of teeth supplied with unit, Flex coupling between  
hydraulic motor and bearing housing, Heavy-duty 3/8" steel shroud and  
3/8" T1 reinforced wear plates under bearing housing, Drive hub allowing change  
to 3 blade disc from disc operation, HD Cast steel bearing housing, high alloy  
retaining bolts, and sealed spherical roller bearings, quick connect/disconnect  
coupling to allow quick change of cutting attachment and bucket. Shall include  
all necessary auxiliary hydraulic capacity and controls for proper  
operation and function of this attachment.

Yes \_\_\_ No \_\_\_  
Page # \_\_\_\_\_

Front or Rear Dozer Blade in lieu of one set of outriggers, which shall  
include all necessary components for this attachment to be fully functional.

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 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.

# OPTION COST SHEET FOR WHEELED EXCAVATOR- TIER 3

<u>Option</u>	<u>Option Price</u>
Cutting Head with Auxiliary Hydraulics	<u>\$45,614.00</u>
Dozer Blade	<u>\$NO CHARGE</u>
Extended warranty	<u>\$625.00</u>
Additional 2 years of filters	<u>\$4,230.00</u>

# 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](http://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**  
**HEAVY EQUIPMENT PURCHASE ORDER FOR WHEELED EXCAVATOR**  
**Tier 3**

*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: CAT M322

Number of items ordered: \_\_\_\_\_ Price per item: \_\_\_\_\_

Vendor: Thompson Tractor Company Company Contact: Jay Smith

Vendor address: P.O. Box 10367  
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: \_\_\_\_\_