

**BID SUBMITTAL FORM**  
**Alabama County Joint Bidding Program**  
**BID ITEM – HEAVY DUTY MOTOR GRADER – OPTION A**

Company Name: THOMPSON TRACTOR COMPANY

Address: P.O. BOX 10367

BIRMINGHAM, AL 35202-0367

Bid Submitted by: JAY SMITH

(Name of company representative)

Title: SALES OPERATIONS MANAGER e-mail address: JAYSMITH@THOMPSONTRACTOR.COM

Phone: (205) 849-4242 Fax: (205) 849-4394

By submitting this bid, we agree:

Initials

The equipment model number identified below meets the bid specs for this bid item

JAS

That the bid price will be honored for all counties for the period from Jan. 1, 2019 to Dec. 31, 2019.

JAS

The equipment will be delivered at the bid price to all counties participating in the joint bid program

JAS

The company representative listed above will be the contact person for purchasing this bid item under the joint bid program

JAS

The bid is accompanied by a current catalog or model specification document for the model number identified below

JAS

The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications

JAS

The bid includes the e-verify documentation required by Alabama law

JAS

If awarded the bid, a performance bond will be provided upon request

JAS

The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine**

JAS

## HEAVY DUTY MOTOR GRADER – OPTION A


Total Bid Price for Standard Machine: \$ 246,683  
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs)\*

Freight Preparation and Delivery: \$ 7,793  
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 411,172

Equipment Model #: 140M3

Description: MOTOR GRADER

Signature of company representative submitting bid: 

Title: SALES OPERATIONS MANAGER

\* **NOTE:** Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

**BID SUBMITTAL FORM: OPTION COST SHEET  
HEAVY DUTY MOTOR GRADER – OPTION A**

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine\*

JAS

The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) with **any available Options** for the Standard Machine

JAS

Equipment Model #: 140M3

Description: MOTOR GRADER

Signature of company representative submitting bid: Jay Smith

Title: SALES OPERATIONS MANAGER

**\*Note:** The percent difference between the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

**BID SPECIFICATIONS  
FOR  
HEAVY DUTY MOTOR GRADER – OPTION A**

**GENERAL**

These specifications shall be construed as the minimum acceptable standards for a heavy-duty motor grader. 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 motor graders 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 or 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 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 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 to its machine.

**WARRANTY**

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of a maximum of 36 hours within notification by county.

Yes  No   
Page # \_\_\_\_\_  
or  
Attachment

**ENGINE**

Engine shall be a turbo-charged, direct injection, four-stroke, **6-cylinder** diesel engine and shall be electronically controlled for more efficient fuel injection and fuel burn.  
**Engine Shall be designed and manufactured by the machine manufacturer.**

Yes  No   
Page # 11, 6, 23

Engine displacement shall not be less than **567 cu. in.** and shall develop, as standard, a rated net power of at least **200 HP** in 1<sup>st</sup> gear,  
**210 HP** in 2<sup>nd</sup> gear, **220 HP** in 3<sup>rd</sup> gear,  
**231 HP** in 4<sup>th</sup> gear, **236 HP** in 5<sup>th</sup> gear,  
**241 HP** in 6<sup>th</sup> gear, **247 HP** in 7<sup>th</sup> gear  
and **252 HP** in 8<sup>th</sup> gear.

Yes  No   
Page # 23

Engine shall be isolation/resilient mounted to minimize sound and vibration and shall meet currently required EPA emission regulations for manufacturer.

Yes  No   
Page # 4, 18, 23

Engine compartment enclosure doors shall be lockable without the use of external locks and accessible from the ground. All daily service points shall be accessible from ground level and grouped together.

Yes  No   
Page # 14, 19, 33  
21A SPEC A.2

Engine will increase its low idle to **1,000 rpm** when the battery voltage is below **24.5 volts** for more than **5 minutes** to ensure adequate system voltage and battery reliability.

Yes  No   
Page # 17, 81A SPEC p1

**STARTING SYSTEM**

Shall be equipped with a **24-volt** electrical system. **100-amp** alternator.

Yes  No   
Page # 33

**TRANSMISSION-8 Forward Speeds and 6 Reverse Speeds**

Shall be designed and built by the machine manufacturer and shall be a direct drive, power shift, counter-shaft type transmission.

Yes  No   
Page # 8, 11, 25

Shall be equipped with built-in self-diagnostic capability

Yes  No   
Page # 17

A controlled throttle shifting system shall be standard to smooth directional gear changes without use of the inching pedal.

Yes  No   
Page # 8

Electronic Throttle Control (cruise control) shall be standard and shall be controlled by a push button, located on a **3-axis** joystick as standard on the right joystick control for resuming and decreasing throttle set.

Yes  No   
Page # 5, 33

Direction control shall be a **3-position** rocker switch for selecting forward, neutral, and reverse, while gear selection shall be controlled by dual push-buttons for up-shifting and down-shifting, both of which shall be incorporated into a single, **3-axis**, multi-function, left-hand joystick control.

Yes  No   
Page # 5, BID SPEC P.3

Differential Lock/Unlock shall be electro-hydraulically controlled, via a push-button, located on a single **3-axis**, multi-function, right-hand joystick control.

Yes  No   
Page # BID SPEC P.3

Final drive shall be a planetary design.

Yes  No   
Page # BID SPEC P.2

Machine shall be equipped with an electronic inching pedal for improved modulation and machine control, and with electronic over-speed protection to protect the engine and transmission from over speeding.

Yes  No   
Page # BID SPEC P.2

Also, to be equipped with transmission guard.

Yes  No   
Page # 20

### TANDEM

Machine to be equipped with differential lock/unlock electro-hydraulically controlled with a multi-disc design.

Yes  No   
Page # 8, 23, 24  
BID SPEC P.2

Tandems shall be capable of oscillating **15 degrees** front tandem up and **25 degrees** front tandem down, with full machine articulation and having no interference between tandem wheel and machine structure

Yes  No   
Page # 23, 24

### CONTROLS AND HYDRAULICS

Hydraulics system shall be a closed center, load sensing type, with a variable Displacement, axial piston-type pump.

Yes  No   
Page # 10, BID SPEC P.4

Implement valves shall be electro-hydraulic, designed and built by the machine manufacturer.

Yes  No   
Page # 5, 10, BID SPEC P.4

Lock valves shall be integrated into the main implement valve to prevent cylinder drift.

Yes  No   
Page # BID SPEC P.4

Blade lift cylinders shall have independent float capability, actuated by two, multi-functioning, **3-axis** joystick controls and auxiliary controls inside the cab.

Yes  No   
Page # 10, BID SPEC P.4

Hydraulic controls shall be joystick actuated.

Yes  No   
Page # 5, 33

**BLADES**

Machine shall be equipped with **14 ft. long, 24 in** high and no less than **7/8** in thick moldboard with hydraulic side shift and tip control.

Yes  No   
Page # PRICE PAGE →

Blade shall also include reversible overlay end bits.

Yes  No   
Page # 34

All blade functions shall be hydraulically or electronically actuated.

Yes  No   
Page # 9, 10

Blade lift accumulators shall be available, to reduce vertical impact damage.

Yes  No   
Page # 15, 33, 34

**DRAWBAR AND CIRCLE**

Circle shall be a single piece, rolled-ring forging with raised wearing surface top and bottom

Yes  No   
Page # BID SPEC P 7, 9

Must be equipped with replaceable wear strips between circle and support shoes.

Yes  No   
Page # 9, 33

Rear drawbar shall be equipped with slip clutch designed to protect the circle, drawbar, and moldboard from shock when end of blade encounters, hidden objects.

Yes  No   
Page # 15

Drawbar shall feature welded protective wear plates to prevent lift group contact with the primary drawbar structure.

Yes  No   
Page # BID SPEC P 6

The circle shall be steel construction with 6 replaceable wear shoes.

Yes  No   
Page # 33, BID SPEC P 6, 7

**FRAME**

Articulated type main frame.

Yes  No   
Page # 33

Articulation joint shall have mechanical locking device to prevent frame articulation while servicing or transporting machine.

Yes  No   
Page # 33

Shall be that of a flanged box section type frame that runs from the front bolster to the articulation joints.

Yes  No   
Page # 9

**STEERING**

Fully hydraulic, **2-cylinder** steering system, with front steering wheel angle not less than **47.5°** left or right.

Yes  No   
Page # 24, BID SPEC P. 4

Machine, drawbar, circle, and moldboard shall be controlled with a maximum of two multifunction, **3-axis**, joysticks, as standard.

Yes  No   
Page # 4, 33  
BID SPEC P 6

Joystick controls shall be mounted to adjustable pedestals, hard mounted to the cab floor, independent of the operator seat.

Yes  No   
Page # 5, Bid Spec P.3

Joystick Steering capabilities shall be ISO 5010:1992

Yes  No   
Page # 26

Primary steering shall be achieved via a left-hand joystick, using an intuitive steering control system.

Yes  No   
Page # Bid Spec P.3

Secondary steering shall be a standard feature.

Yes  No   
Page # 15, 23

**TIRES**

All **six** wheels shall be **10 in by 24 in size** multi-piece tire rims and shall provide mounting for **14.00 R24** tires.

Yes  No   
Page # 32

Tires shall be Goodyear, Bridgestone/Firestone, or Michelin only, **14.00 x R24 12PR Bias** Tires.

*RADIAL TIRES*

Yes  No   
Page # PRICE PAGE

**BRAKES**

Service brakes shall be multi-disc, oil-cooled and completely sealed.

Yes  No   
Page # 8

**OIL ANALYSIS**

To be included at no cost of the duration of the warranty period selected at intervals recommended by the manufacturer's warranty and maintenance schedule.

Yes  No   
Page # ---

**WEIGHT (STANDARD OPERATING)**

Base machine weight shall not be less than **38,190 lbs.** Weight shall include standard machine configuration, lubricants, coolants, full fuel tank and operator of **200lbs** This is factory specified operating weight only. No additional weights may be added for purpose of meeting these specifications.

Yes  No   
Page # 1, 25, 26