

AUTHORITY TO ADVERTISE  
TRACK-TYPE TRACTOR

**Chad Gray** made a motion, seconded by **Michael Lott** to advertise for one or more Track-Type Tractor / Dozer with bids returnable at **10:00 A.M. October 6, 2016** in the Board Room of the Grenada County Courthouse 59 Green Street Suite # 1 Grenada MS 38901, with the following specifications or equivalent.

"PUBLIC NOTICE TO NEW EQUIPMENT DEALERS"

The Grenada County Board of Supervisors will receive and open bids for **One (1) Track-Type Tractor / Dozer**, at **10:00 A.M. October 6, 2016** in the Board Room in the Grenada County Courthouse 59 Green Street Suite # 1 Grenada MS 38901 .

Specifications may be obtained from the Grenada Co. Chancery Clerk PO Box 1208 Grenada MS 38902 (662) 226-1821 / email [jhayward@grenadacountyms.org](mailto:jhayward@grenadacountyms.org) .

- \*Bidders should have a parts and service facility within 100 miles of Grenada County
- \*Awards will be made based on the best value offered.
- \*Price, demonstrated resale value, parts and service availability, conformity with specifications, and warranty shall be taken into consideration.
- \*The conditions and specifications listed are not intended to prohibit qualified vendors from submitting a bid.
- \*The bidder shall list on a separate sheet of paper any variations from or exceptions to the conditions and specifications of this bid.
- \*This sheet shall be labeled "Exception(s) To Bid Conditions and Specifications".
- \*The bidder will be responsible to establishing equality.
- \*Bidders must specify cash price, delivery date and warranty.
- \*The Board reserves the right to reject any and all bids.
- \*The envelope should be marked **Sealed Bid "New Track-Type Tractor / Dozer"** and contain all required bid information.
- \*The Board reserves the right to determine which the lowest and best bid is and to accept or reject any or all bids and any proposed alternative to any required minimum bid specification.
- \*It is not the intent that these specifications limit the bidding to any make or manufacturer but rather to select such equipment to fulfill a specific task.
- \*Any item which is proposed as an "equal" or "or equal" item must be specifically so designated in the bid.
- \* Bids may be withdrawn upon written notice received from the bidder prior to the time and date designated for the opening.
- \* Bidder shall comply with all applicable bidding requirement of the Mississippi code of 1972, as amended. **Bids must be signed.**

This the 8<sup>th</sup> day of September, 2016  
GRENADA COUNTY BOARD OF SUPERVISORS

/s/ Darrell Robinson

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Darrell Robinson  
President

Publish: September 16, 2016  
September 23, 2016

Cc: Bid File  
MS Procurement  
Grenada Star

## MINIMUM BID SPECIFICATION FOR NEW CURRENT PRODUCTION TRACK-TYPE TRACTOR FOR USE IN THE GRENADA COUNTY LANDFILL

### BASIC SPECIFICATIONS:

This machine shall be a currently advertised standard product track-type tractor.  
Basic operating weight of tractor shall not be less than 20,500 lbs. including lubricants, coolant, ROPS cab, 100% fuel, operator, VPAT bulldozer, track end guiding guards and 26 in shoes.

### ENGINE SPECIFICATIONS:

The engine shall be manufactured by the tractor manufacturer.  
The engine shall be a four-cycle, 4 cylinders, turbo charged.  
The engine, including engine cooling fan, and all necessary accessories, shall deliver at least 104 hp at the flywheel (SAE rated).  
Machine equipment shall include turbocharger, air cleaner, water pump, fuel pump, muffler, lubricating oil pump and air to air aftercooler.  
A hydrostatic power train system shall be provided and shall include two high pressure, variable displacement piston pumps.  
Hydrostatic (dynamic) braking through the machine drive system shall be provided using joystick control.  
Cooling fan shall be of blower-type.  
Engine shall be equipped with a precleaner with primary and secondary air filters.  
An electric fuel-priming pump shall be included.  
The tractor shall be equipped with a certified US EPA Tier 4/EU Stage IIIB exhaust emissions engine which require no additional fluid beyond Ultra Low Sulfur Diesel fuel.  
The engine shall be equipped with a common rail high pressure injection system.  
Engine displacement shall be at least 269 in<sup>3</sup>.  
Machine shall be equipped with 12-volt electrical starting and operating system.  
The cooling system, including the hydraulic oil cooler, engine radiator shall be located toward the front of the tractor.  
The alternator shall be 120 amps, heavy-duty brushless.  
Engine air filter shall have a service indicator on the instrument panel.  
Heavy Duty radiator grill.

### POWERTRAIN/TRANSMISSION

The tractor shall be equipped with a hydrostatic drive system.  
The hydrostatic drive shall provide completely independent adjustments of speed in forward and reverse.  
Hydrostatic drive shall provide infinite speed selection from 0 to 5.5 mph in forward and 0 to 6.0 mph in reverse.  
Machine shall have electronic hydrostatic control (EHC).  
The drive system shall provide independent power to each track for controlled power turns.  
Counter rotation shall be included for functionality of the machine.  
Variable displacement pumps and drive motors shall be provided.  
Transmission and steering shall be controlled with an ergonomically designed joystick located to the left of the operator.

### HYDRAULICS

Blade control shall have a single, low effort lever with control for lift, tilt, and angle functions.  
Pump output at rated engine speed shall be at least 18.0 gpm.  
Implement Hydraulic-pump shall be separate.

## UNDERCARRIAGE

The undercarriage shall be designed and manufactured by the tractor manufacturer.

The undercarriage shall have reinforced track roller frames with internal bulkheads to better resist bending and torsional loads.

The undercarriages shall have lifetime lubricated track, carrier roller, track rollers and idlers.

The undercarriage shall have seven track rollers per side.

The undercarriages shall have hydraulic track adjustment by grease gun fully sealed with relief valve.

The machine shall have a device which can reduce track slip in poor underfoot conditions which can be activated from operators' seat.

Standard machine shall have a minimum 69 inch gauge.

Machine shall have minimum 26 inch shoes provided.

## FINAL DRIVES

Final drives shall be double reduction, planetary design.

Final drives shall be isolated from ground-induced shock loads.

## OPERATORS STATION

ROPS cab shall meet ROPS criteria SAE J1040 MAY94, SAE J397 OCT95, ISO 3471: 1994, and ISO 3164: 1995.

The tractor shall have both left and right operator doors.

The cab shall have fresh air pressurization with replaceable filter.

The cab shall have front and rear windshield wipers and washer.

The tractor shall have an electrical horn.

An air conditioner, heater, and air circulation system shall be included equipment in all cabs; both the air conditioning and the heater shall deliver filtered, pressurized, temperature-controlled air to the operator; air circulation system shall have multiple outlets, including outlets in the dashboard.

The air-suspension seat shall be fully adjustable for maximum operator comfort and control; a retractable, at least 3 in wide seat belt shall be included.

The right hand and left hand side consoles shall each feature an adjustable armrest, wrist rest and joystick mount.

Left and right lever controls shall be seat mounted and adjustable along with the wrist pads.

The monitoring system shall be electronic with real-time, visual feedback on engine and machine operating conditions.

The cab shall feature a computerized system to monitor important machine systems and alert the operator when potential problems occur.

Back up alarm shall be included.

Cab shall include a 12-volt power port.

A decelerator pedal shall allow the operator to modulate ground speed and apply brake.

The machine shall have four front and two rear halogen work lights.

Operator sound exposure level shall not be greater than 78 dB(A) ANSI/SAE J1166 OCT 98.

The machine shall have an AM/FM with Bluetooth technology and USB connection radio.

Tractor shall come equipped with sweeps and rear screen.

Tractor shall be equipped with grade control and slope assist technology viewable from inside the cab and located on the in cab display. Provides visual guidance and automatic control for better surface control.

## DOZER BLADE

Blade lift, angle and tilt shall be hydraulically adjustable from the operator station.

The blade shall be controlled with an ergonomically designed joystick located to the right of the operator. Blade angle shall be controlled using an ergonomically positioned thumb roller.

Blade pitch shall be infinitely adjustable from 52 degrees to 58 degrees.

Blade shall have a minimum 25 degree angle right or left.

Mainframe shall be of a one-piece design for increased reliability and durability.

The blade shall be a full width, four box-section construction.

All bulldozer pivot points shall be equipped with greasable zerk fittings.

Blade shall be a maximum 128 in wide.

Blade shall be a minimum 39 in high.

The dozer blade shall have a blade rack on the top of blade included to help prevent debris from causing possible damage to front of tractor.

Blade shall have a minimum dozer capacity of 3.00 yd<sup>3</sup>.

## SERVICEABILITY

Engine oil change interval shall be no less than 500 hours or three months.

Engine oil filter change interval shall be no less than 500 hours or three months.

A diagnostic test bank shall be included for ease of service.

Hydraulic oil change interval shall be no less than 3,000 hours or one year.

Hydraulic oil filter replacement interval can be no less than 1,500 hours or six months.

The machine shall include SOS fluid taps.

Daily service points, shall be accessible from ground level.

Quick disconnect hydraulic pressure taps shall be provided to allow rapid in-field diagnosis of malfunctions in implement or drive hydraulic systems.

**Bidder's Instructions for the purchase of One or More New Equal Size  
Class Track-type tractor for use in Grenada County.**

The conditions and specifications listed are not intended to prohibit qualified vendors from submitting a bid on an equal or larger in size class model. The specifications related to operating weight and net flywheel horsepower describe a minimum acceptable size class to meet Grenada County requirements. A bidder shall include an attachment "Exceptions to Bid Conditions & Specifications" sheet listing any variations or exception to the conditions or technical (non size class) or operation feature specifications for the machine model offered. Bidders will be responsible for establishing equality and offering only its manufacturer's model that is equal to or larger in size class. Each non-size class exception must be listed on separate page titled Exceptions and will be evaluated and accepted or declined individually. Grenada County may refer to a manufacturer's internet site to confirm that the model being bid is the correct model that meets our minimum Horsepower and Operating weight and Blade size and Technology requirements.

Purchases will be made from the best bidder. In determining the best bid, Grenada County may take into consideration documented auction resale value, local parts\service support, warranty, prior experience with make and dealer and any other relevant information when making this determination.

The Bidder shall satisfy Grenada County that he maintains a store within 100 miles of the working location of the machine and staffed with factory trained service technicians and parts support. Successful Bidder must have provisions for storing and securing parts including from the manufacturer within a reasonable length of time.

Each bidder will state the manufacturer's standard comprehensive warranty. Additionally, each bidder will include a five-year or 3000 hour extended powertrain and hydraulic warranty in purchase price. Bidders are required to provide a copy of Standard and Extended Warranty Statements showing coverage required. Warranty may be a consideration in determining the best bid.

An integrated communication tool providing flow of vital machine data and locations shall be provided. This system shall give automatic updates on machine parameters such as machine hours, machine condition, location, fault codes and alarms.

Prices shall include all delivery charges fully prepaid to Grenada County. Bidder must guarantee maximum delivery date in days. Delivery date may be one consideration in determining the final best bid.

**Grenada County reserves the right to reject any and all bids and exceptions taken to minimum specifications.**

**Grenada County will seek outside financing from all sources after bids are received. Machine Bidders shall state cash price to Grenada County and include contact information for its manufactures financing arm that offers municipal government terms.**