

CLINTON COUNTY ROAD COMM.

3536 S. US Highway 27

Saint Johns, MI 48879

Sealed bids will be received by the Clinton County Road Commissioners at their office at, 3536 S. US Highway 27, St. Johns, Michigan, until 10:00 am on Wednesday, February 21, 2018 at which time they will be opened and publicly read for furnishing any part of the requirements for the following:

(1) MOTOR GRADER

COMPANY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

SIGNATURE \_\_\_\_\_ TITLE \_\_\_\_\_

TELEPHONE \_\_\_\_\_

EMAIL \_\_\_\_\_

-Unit bid shall be currently advertised and produced model with all the latest standard features whether or not called for in these specifications. Standard equipment shall be defined in current manufacturer's literature. (Provide current brochure/specifications of the unit bid)

-Indicate compliance with checking either a YES or NO answer.

-A 'YES' answer indicates 100% compliance with the entire statement. Manufacturer's bid is allowed to meet, or exceed, stated specifications, unless otherwise quantified.

-Explain all 'NO' answers in detail in the section at the end, clearly referencing the relevant non-conforming item(s) by section and item number.

		<b>COMPLIANT?</b>	
		YES	NO
<b>A. General</b>	Unit bid shall be currently advertised and produced model with all latest changes and features offered as standard whether or not called for in the specifications except where this specification requires substitution in lieu of manufacturer's standard. Unit must meet current MIOSHA regulations.	_____	_____
<b>B. Weight</b>	Base operating weight of the unit, without attachments, shall be not less than 45,547 pounds.	_____	_____
<b>C. Engine</b>	Unit shall be equipped with a diesel engine, which delivers a minimum net horsepower of 220. Engine must be 567 minimum cubic inch displacement in-line 6 cylinder turbo charged four cycle diesel or comparable. A block heater will be installed. Engine shall allow for at least 500 hours of operation between oil changes.	_____	_____

		<b>COMPLIANT?</b>	
		YES	NO
<b>D. Steering</b>	Shall have full hydraulic steering with dual (2) hydraulic cylinders and minimum turning radius of 24' using frame articulation. Dead engine steering required.	_____	_____
<b>E. Front Axle</b>	Shall be welded steel box beam type with 18 degree right and left minimum wheel lean. Oscillation shall be 16-degree minimum up and down.	_____	_____
<b>F. Hydraulics</b>	System shall supply uniform response to lift cylinders. Hydraulic pump displacement may be variable or fixed with a min of 55.5 gpm. Need hydraulics run to rear for two function ripper and hydraulics run to front for dozer blade. Wing hydraulics will be installed. Implement hydraulic hoses shall meet or exceed SAE R12 specifications, hydraulic hoses will be preferred over hydraulic tubing or pipes. Grade control cross slope will be included.	_____	_____
<b>G. Transmission</b>	Shall be full power shift with minimum of eight (8) forward and six (6) reverse speeds. Coupling shall be via direct drive with inching pedal. Transmission shall include self-diagnostic control mechanism. Transmission guard required.	_____	_____
<b>H. Frame</b>	Shall be articulated-type of fabricated, high strength low alloying steel plate. Articulation shall be 22-degree right and 22 degree left of center. A mechanical means of preventing frame articulation while servicing or "roading" the grader shall be provided.	_____	_____
<b>I. Circle &amp; Drawbar</b>	Circle shall be supported by fully adjustable and replaceable support shoes. Shoes shall be faced with a synthetic oil impregnated or similar material to prevent steel-to-steel contact and reduce wear. Circle turn overload protection must be provided by means of mechanical slip clutch or hydraulic cushion valve. System shall reduce potential for impact damage. Describe system offered. Rotation of circle shall be 360 degrees.	_____	_____
<b>J. Moldboard</b>	Shall be 1" X 29" X 14' with replaceable cutting edges. Bolt spacing shall be 6". Bolts for edge must be 3/4". Hydraulic power slide shift, power tilt and moldboard float is required. Float shall be controllable individually at either right or left sides. Moldboard slide rail supports shall have replaceable bearing inserts. Made with synthetic oil impregnated or similar material to prevent steel-to-steel contact. Bank cutting angle of 90 degrees right or left shall be attainable by use of hydraulics.	_____	_____
<b>K. Cab</b>	Shall include tinted safety glasses, front and rear wipers and washers, lower front wipers, front and rear defroster fans, interior dome light, vents, sound suppression, 40,000 BTU heater with positive hot water shutoff valves at engine water pump, double outside heated mirror & 1 inside mirrors, ROPS, and seat belt. Unit bid shall be a low profile cab. Cab pressurizer shall supply filtered outside air to meet county specs. Air suspension deluxe cloth seat with fold down arm rests, air conditioner, AM-FM stereo radio, two way radio with CCRC frequency. Left & right cab side windows will be sliding type.	_____	_____

		COMPLIANT?	
		YES	NO
<b>L. Controls</b>	Hydraulic control levers and steering wheel shall be mounted on before and after movable console to allow for added visibility and convenience to operator. Control levers will be arranged to ISO standards. Control panel shall include tachometer, fuel gauge, voltmeter, hour meter, engine oil pressure gauge, engine temperature gauge, transmission lube pressure warning light, warning lights for parking brake, engine high temp low pressure and articulation indicator. Engine speed shall be controlled by variable speed governor in conjunction with foot and hand operated throttle with accelerator/decelerator.	_____	_____
<b>M. Lighting</b>	Shall consist of cab-mounted headlights and directional lights with brush guards, combination stop/tail lights, moldboard lights, plow lights. Two beam green beacon shall be included with flip down mounting bracket and brush guard. Backup lights with brush guards & green rear strobes.	_____	_____
<b>N. Electrical Sys</b>	Shall include 24-volt starting system with heavy-duty batteries and minimum 80 amp brush-less alternator. Overload protection shall be via individual circuit breakers throughout. Voltage converter 24V to 12V to operate radios and phone. Battery shut off must be present.	_____	_____
<b>O. Tires</b>	Shall be 17.5 X R25 PR tubeless Bridgestone VKT 13" rims. Extra wheel and tire will be provided.	_____	_____
<b>P. Filters</b>	Engine oil and fuel filters shall be full-flow spin on type. Engine air filter shall include DONALDSON CYCLOTRON pre-cleaner or Centri Turbo II and dry-type element or equivalent with provision for summer and winter intake under hood. Spin-on coolant filter-corrosion resistor shall be provided. Air cleaner restriction indicator shall be included.	_____	_____
<b>Q. Differential</b>	Shall include a planetary final reduction drive, with operator controlled lock/unlock differential. Note: Automatic locking or "no spin" differentials are not acceptable.	_____	_____
<b>R. Parts</b>	Clinton County Road Commission expects to have parts delivered to its facility within three (3) working days from the date of parts order with no extra delivery charges other than normal UPS costs (or freight cost if the part is over the capacity of UPS). The vendor shall guarantee that a stock of component parts be available at a location convenient to the user.	_____	_____
<b>S. Brakes</b>	Service brakes shall be hydraulic with separate brake assemblies at each of the four (4) rear wheels consisting of multiple wet disk brakes. Brake system shall be of the dual system, safety-type. Emergency/parking brake shall be a spring applied hydraulic released brake. A visual and audible operator warning system must be present.	_____	_____

		<b>COMPLIANT?</b>	
		YES	NO
<b>T. Additional Equipment</b>	<p>Shall include exhaust muffler/silencer, removable tool box, 125 US gallon fuel tank, rear tow hitch, back-up alarm, slow moving vehicle sign. Complete vandalism protection shall be provided.</p> <p>Complete engine side panels shall be included. Four (4) 250 lb. rear wheel weights. Front fenders removable for ditching.</p> <p>Rear fenders will be included.</p> <p>A 9' dozer blade will also be included with, a quick hitch Rinland Model MG1 or equivalent. A rear hitch will be provided. One extra wheel &amp; tire will be included.</p>	_____	_____
<b>U. Training</b>	<p>Vendor shall provide one (1) operator's manual, one (1) parts manual and one (1) shop manual. Additionally, vendor shall provide complete DVD with service training aids covering service techniques associated with all major grader systems. These to include service of front axle, steering, circle, hydraulics, transmission, final drive, articulation, tandems and start-up checks. Training for mechanic shall be provided by bidder on those items listed above (school). Vendor shall also provide first 100 hr service along with a complete list of all filter numbers, starter, alternator and belt numbers.</p>	_____	_____
<b>V. Warranty</b>	<p>Two (2) year full and five (5) year, 5,000 hours power train warranty. State warranty on basic machine, engine, mainframe, etc. Attach manufacturers warranty policies and any other pertinent information. If the warranty repairs require the machine to be transported to and from the bidding agencies repair facility, the bidding agency shall absorb the cost of the transportation for the entire warranty period. If the warranty repairs require a field service call to the Clinton County Road Commission facility or a location in Clinton County, the bidding agency shall absorb all cost of the field service call including the travel mileage.</p>	_____	_____
<b>W. Note</b>	<p>No less than ½ tank of fuel when delivered.</p>	_____	_____
<b>X. Option</b>	<p>Bid one set of stinger teeth.</p>	_____	_____
<b>Z. Snow Wing</b>	<p>A snow wing will also be included in the bid. The snow wing will be installed when the machine is delivered. The hydraulic snow wings combine all the speed and operating range of motion of old hydraulic over cable wings with the positive control and durability of other heavy equipment attachments.</p> <p>High visibility polyslide mast: 38" bench height complete with inverted cylinder for maximum protection single hydraulic function parallel lift.</p> <p>Tapered moldboard:              Inboard corner clears road at start of lift optimized moldboard to wing interface. Mechanical float on inboard and outboard ends with override for applying positive down pressure. Telescopic push pole with shear pin spring cushion. 2 position push pole rear mount.</p>	_____	_____
<b>Exceptions</b>	<p>State any and all exceptions to the above specifications on last page.</p>		
<b>Trade in:</b>	<p><b>2006 Volvo G740B, vin #38359, hours 10,747, our #700569.</b></p>		

TITLE VI – The CLINTON COUNTY ROAD COMMISSION in accordance with Title VI of the Civil Rights Act of 1964, 78-252, 42 U.S.C. 2000d-2222d-4, the Civil Rights Act of 1987, P.L. 100-259, and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, Non-discrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, Disadvantaged Business Enterprise firms will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of Race, Color, Sex, Age, National Origin, or Handicap in consideration for an award.

**RENEWAL OPTION:**

The Road Commission reserves the right to extend the bid price for additional equipment of like specifications. Each additional purchase to be mutually agreed upon by both parties. Pricing, terms and conditions of the bid as awarded will remain the same for any subsequent purchases.

**ALL BIDS MUST BE SUBMITTED IN SEALED ENVELOPES BEARING THE NAME OF THE BIDDER, NAME OF THE ITEM BEING BID AND MARKED AS A "SEALED BID". IF THE BID IS NOT COMPLETED ENTIRELY ON THE FORM BELOW WITH ALL ITEMS TO BE CONSIDERED IN WRITTEN FORM, THE BID WILL NOT BE CONSIDERED.**

The Clinton County Road Commission reserves the right to reject any or all bids, waive defects, and to accept the bid which in their opinion is in the best interest of the Road Commission.

Price F.O.B. Clinton County Road Commission, 3536 S. US Highway 27, St. Johns, MI 48879. Tax exemption certificates will be signed upon request.

There will be a one (1) percent penalty assessed for every day past delivery date given at the time of bid opening.

**THIS IS A SEALED BID; THEREFORE, WE CANNOT ACCEPT A BID IN THE FORM OF A FAX OR AN EMAIL.**

PRICE FOR GRADER WITH ALL OPTIONS \$ \_\_\_\_\_

PRICE FOR OUR TRADE IN \$ \_\_\_\_\_

PRICE FOR UNIT WITH A 5 YEAR LEASE, SHOWING MONTHLY PAYMENTS OUT TO 5 YEARS WITH RESIDUAL AT THE END  
\$ \_\_\_\_\_

PRICE FOR GRADER WITH A 5 YEAR LEASE 'WALK AWAY' AT THE END OF 5 YEARS. SHOW MONTHLY PAYMENTS OUT TO END OF 5 YEARS WITH NO BALLOON OR RESIDUAL  
\$ \_\_\_\_\_

PRICE FOR REAR MOUNTED RUBBER TIRE ROLLER \$ \_\_\_\_\_

PRICE FOR SNOW WING \$ \_\_\_\_\_

PRICE FOR 9' FRONT DOZER BLADE & MODEL MG1 OR EQUIVALENT RINLAND HITCH  
\$ \_\_\_\_\_

