

NOTICE TO BIDDERS

Purchase of Motor Grader Worcester County, Maryland

The Worcester County Commissioners are currently accepting bids for the purchase of a new current production model Motor Grader for the Roads Division of Public Works. Bid specification packages and bid forms are available from the Office of the County Commissioners, Room 1103 - Worcester County Government Center, One West Market Street, Snow Hill, Maryland 21863, obtained online under the "Bids" drop-down menu in the lower right hand side of the home page at www.co.worcester.md.us, or by calling the Commissioners' Office at 410-632-1194 to request a package by mail. **Sealed bids will be accepted until 1:00 PM, Monday, September 24, 2018** in the Office of the County Commissioners at the above address, at which time they will be opened and publicly read aloud. Envelopes shall be marked "**Bid for Motor Grader**" in the lower left-hand corner. After opening, bids will be forwarded to the Department of Public Works for tabulation, review and recommendation to the County Commissioners for their consideration at a future meeting. In awarding the bid, the Commissioners reserve the right to reject any and all bids, waive formalities, informalities and technicalities therein, and to take whatever bid they determine to be in the best interest of the County considering lowest or best bid, quality of goods and work, time of delivery or completion, responsibility of bidders being considered, previous experience of bidders with County contracts, or any other factors they deem appropriate. All inquiries shall be directed to Frank Adkins, Roads Superintendent, at 410-632-2244, Monday through Thursday, between 6:00 am and 4:30 pm.

BID SPECIFICATIONS

1. Bids

- A. Bids should be submitted in sealed envelopes clearly marked in lower left-hand corner "Motor Grader Bid".

2. Late Bids

- A. Bids should be mailed or hand-carried to be received in the Office of the County Commissioners by or before **1:00 p.m. on September 24, 2018**. Bids received after the appointed time will not be considered.

3. Taxes

- A. The County is exempt from all Federal and States taxes. Therefore, bidders' price should reflect the same.

4. Scope of Work

- A. To supply one (1) motor grader.
- B. Vendor is responsible for delivery of awarded vehicle to the Department of Public Works - Roads Division at 5764 Worcester Highway, Snow Hill, Maryland 21863. All paperwork will accompany vehicles, as the County will be responsible for acquiring their tags and titles.

5. Payment

- A. Submit payment to the Department of Public Works – Roads Division for review and processing upon delivery of said new vehicle purchase.

6. Award of Contract

- A. Bids will be opened by the Chief Administrative Officer or Assistant Chief Administrative Officer in the Office of the County Commissioners and read aloud at **1:00 p.m. on September 24, 2018**.

B. The Department of Public Works shall prepare a tabulation of said bids and a recommendation to the County Commissioners at the next regular meeting of the Commissioners. In awarding the bids, the Commissioners reserve the right to reject any and all bids, waive formalities, informalities and technicalities herein, and to take whatever bid they determine to be in the best interest of the County considering lowest or best bid, quality of goods and work time of delivery or completion, responsibility of bidders being considered, previous experience of bidders with County contracts, or any other factors they deem appropriate.

7. Vehicle Specifications

The following specifications represent one (1) motor grader, **current production model**, or equivalent for Worcester County Public Works- Roads Division.

Weight:

The minimum basis operating weight of motor grader in fully serviced condition including fuel, lubricants, coolants and other standard accessories only, shall be not less than 42,000 lbs.

Engine:

Minimum turbo-charged, six-cylinder, 9 liter wet sleeve diesel, minimum torque 840 lb. ft., tier 4 emissions minimum;

Minimum 230 net peak horsepower;

Fuel tank capacity, 75 US gallons minimum;

Air cleaner, dual element dry type;

Engine protection system: automatic shutdown of engine for low oil pressure, high water temperature. Alarm to be audible and visual;

Engine enclosures with side doors for engine access;

Engine block heater, minimum 115 volts 1000 watts;

Exhaust rain cap;

Standard fuel and water separator;

Automatic exhaust filter regeneration;

Engine exhaust with flat black stack.

Transmission:

Direct drive, auto shift;

Transmission solenoid valve guard or equivalent;

Minimum of eight forward and six reverse speeds;

Maximum transport speed shall be no less than 24 mph.

Final Drive:

Tandem type having an operator controlled differential lock/unlock;

Driven on all four tandem wheels.

Brakes:

Service brakes: hydraulic actuated;

Service brake multiple wet discs.

Blades:

Equipment to be equipped, mounted, and delivered with steel blade cutting edges;

Lift above ground – minimum 19”;

Blade side shift, right or left, minimum 26”;

Blades Cont.:

- (3) Additional sets of carbide steel blades with hardware for snow clearing operations;
- (3) Additional sets of steel blades with hardware.

Tires:

- All six tires shall be new, 14.00-24, 12pr Goodyear BKT Trac Grader tires;
- (2) Spare tires/rims not to be mounted;
- Rims shall be 10";

Steering

- Steering shall be hydraulic power frame articulation;
- Motor Grader turning radius shall not exceed 24.4 feet.

Articulation Joint:

- Articulation joint shall have a mechanical locking device to prevent frame articulation while servicing or transporting;
- Articulation front steer plus articulated minimum of 20 degrees.

Frame:

- Frame articulated with safety lock;
- Rear counterweight with rear hitch and pin.

Moldboard:

- 13' long, 27" high and no less than 1" thick;
- Hydraulic shift and hydraulic tilt;
- Replaceable end bits;
- Moldboard shall be constructed of a wear-resistant, high carbon steel;
- Maximum slope angle of 90 degrees to both sides.

Circle and Drawbar:

- Drawbar shall be of "Y" type design with solid beam construction;
- The circle shall be supported by the drawbar with a least six support shoes providing vertical and horizontal adjustment;
- Circle diameter shall be no less than 60" and rotated by a hydraulically driven motor 360 degrees.

Hydraulics:

- Reservoir tank minimum 16 gallon;
- Stand by pressure minimum 885 psi;
- Pump type variable piston;
- Maximum pump flow 55 gallon minimum;
- Minimum system pressure of 2,750 psi;
- Standard antler rack hydraulic controls with steering wheel with float control;
- Hydraulic pump disconnect.

Electrical:

- 24 volt system with an alternator minimum 200 amp total;
- Maintenance free heavy duty batteries with minimum 1,125 CCA;
- Electric back-up alarm
- Electric horn;
- Convertor 24 V to 12 V, 25 amp capacity for inside cab hook-up for two-way radio.

Cab/Operator Station:

Low cab with fixed lower front and side windows;
Pedal decelerator;
Factory installed fully enclosed ROPS type cab with sound suppression which shall meet all OSHA standards;
20,000 btu/heater/defroster with a three speed fan;
Front and rear glass windshield wipers/washer;
All glass tinted;
Two rear view mirrors located outside cab, one on each side;
One inside rear view mirror, wide angle;
Gauges: engine coolant temperature fuel, voltmeter, engine oil pressure, frame articulation, tachometer, hour meter;
Entire control console, with steering wheel and all implement control levers, shall be infinitely adjustable fore and aft as a single unit;
Seat shall be a cloth-covered, suspension type with arm rest, adjustable, equipped with a retractable seat belt;
Air conditioner refrigerant charged.

Lighting:

LED head lights, LED tail lights, LED turn signals and premium LED work/grading lights front and rear, mid-range;
Warning strobe light, including hardware to be mounted on cab;
26" higher than standard frame lights, front snow plow light bar;
License plate bracket with light.

Other Equipment:

V-type scarifier front mounted with a working width of no less than 47" and a minimum scarifying depth of 11", hydraulically controlled including float;
Scarifier with 2 pitch positions and minimum of 9 shank pockets;
To include 9 – 1 x 3 scarifier shanks with teeth and mounting hardware.

Paint:

Standard manufacturer's color scheme.

Warranty:

5 Year/5,000 hour no cost full machine warranty shall be provided;
All warranty work on equipment shall be provided on site or transported to the dealership at dealer's cost.

Miscellaneous:

Two (2) sets of keys;
One (1) complete set of maintenance/repair manuals and parts catalog/CD Rom, in addition to an operator's manual for the model supplied;
Snow chains to be provided for rear tandem wheels and to include a minimum of 30 replacement links;
Tool box to be included;
Vendor shall supply adequate training to acquaint operators with the equipment;
***Title fee to be included in bids*.**

****If there is any specification differences please make sure to note them when submitting your bid****

BID FORM

**Worcester County Department of Public Works – Roads Division
“FY19 - Purchase of Motor Grader”**

I/We have reviewed the specifications and provisions for furnishing/delivering one (1) motor grader and understand said requirements as stated herein. I/We hereby propose to furnish and deliver the following:

One (1) motor grader (current production model):

Year _____ Make _____ Model _____

Total Cost Per Unit: \$ _____ Total Bid Price including delivery: _____

Option 1: V-Plow unit shall be one (1) ten (10) foot standard duty front mounted V-Plow for snow removal. V-Plow with replaceable cutting edges and mushroom shoes. Mounting is to be of a “quick hitch” design with all mounting hardware and installed on equipment when delivered.

\$ _____

Option 2: Joystick hydraulic controls \$ _____

Option 3: Trade in Value: 1989 JD 670B Grader \$ _____

If there is any specification differences please make sure to note them when submitting your bid.

Delivery To: Department of Public Works – Roads Division
5764 Worcester Highway, Snow Hill, MD 21863

Described unit will be delivered by: _____

BID MUST BE SIGNED AND SPECIFICATIONS MUST BE ATTACHED TO BE CONSIDERED.

Date: _____

Signature: _____

Typed Name: _____

Title: _____

Firm: _____

Address: _____

Phone: _____