



Ludlow, Vermont

A Better Place To Live, Work & Play

REQUEST FOR PROPOSAL

FROM: TOWN & VILLAGE OF LUDLOW
PO BOX 359
LUDLOW, VERMONT 05149

ATTENTION: Scott Murphy, Municipal Manager

DATE: June 15, 2022

The Town/Village of Ludlow Vermont is seeking PROPOSALS from Dealers for:

2023 HIGHWAY AWD MOTOR GRADER

Vehicle specifications are attached for the 2023 Highway AWD Motor Grader.

TRADE-IN: 2009 Caterpillar 120M AWD Grader with wing. Vehicle can be seen at the Ludlow Highway Garage located at 19 West Hill Street.

Competitive bids marked “*2023 Highway AWD Motor Grader*” must be delivered to the Ludlow Municipal Office located at 37 Depot Street, PO Box 359, Ludlow, Vermont 05149 or emailed to tmanager@tds.net before 10:00 am on Wednesday, July 27, 2022.

Bids will be opened and read at 10:00 am on July 27, 2022 in the Howard Barton, Jr. Conference Room. The Ludlow Select Board will possibly award the bid at their regular meeting scheduled on August 1, 2022 & subject to voter approval in March of 2023. Please contact Ron Tarbell, Highway Foreman at (802) 770-9566 to view the truck and for more information.

The Town & Village of Ludlow reserves the right to reject any or all proposals. This solicitation in no way obligates the Town of Ludlow to award a contract.

Town of Ludlow
PO Box 359
Ludlow, VT 05149

TOWN OF LUDLOW, VERMONT
ADVERTISEMENT FOR QUOTE

AWD MOTOR GRADER

Specifications dated June 14, 2022

TOWN OF LUDLOW, VERMONT
ADVERTISEMENT FOR QUOTE

AWD MOTOR GRADER

The Town of Ludlow, Vermont is seeking sealed quotes for furnishing the Town with the following piece of equipment for the Highway Department.

One (1) AWD MOTOR GRADER

Sealed competitive quotes will be received at the Town Office, 37 Depot Street, PO Box 359, Ludlow, Vermont 05149 on or before July 14, 2022 at 2:00 pm. mailing address is: Town of Ludlow, PO Box 359, Ludlow, VT 05149. Faxed or emailed quotes will not be accepted. Quotes received after that time will not be opened and will be returned to bidder.

Note: All envelopes shall be clearly marked “AWD MOTOR GRADER QUOTE”.

Further information and complete specifications may be obtained at the Town Office, Ludlow, Vermont.

The Town of Ludlow, Vermont reserves the right to reject any or all quotes or to accept the quote deemed to be in the best interest of the Town of Ludlow, as well as to waive any informalities.

Award of quote will be based on the following criteria in no particular order: Cost, Re-Sale Value, Performance, Features, Past Dealings with Vendor, Warranty, Service, Parts Availability and any other criteria deemed in the best interest of the Town of Ludlow.

The Town of Ludlow is requesting that all quoters quote on the Motor Grader based on the attached specifications dated June 14, 2022.

TOWN OF LUDLOW, VERMONT
AWD MOTOR GRADER

GENERAL STATEMENT

All Motor Graders quoted on must be of the latest standard model being manufactured and which has been regularly advertised.

In no case will a quote be acceptable if any of the assemblies furnished are inferior to those described in their regularly published literature. Any and all parts or attachments shall conform in strength, workmanship and quality of material to what is usually provided by good engineering practice.

Any company or manufacturer who submits a quote that does not meet the minimum specifications will not be considered. **All quoters must include an exemption sheet that clearly lists any item or items not meeting the enclosed minimum specifications. Not including this exemption sheet may disqualify the quote.**

All Motor Graders must meet all State, Federal and OSHA requirements.

TOWN OF LUDLOW, VERMONT
AWD MOTOR GRADER

QUOTING REQUIREMENTS AND INFORMATION

1. It is the intent of the Town of Ludlow to purchase one (1) AWD MOTOR GRADER, inclusive of these specifications dated June 14, 2022.
2. It is the intent of the Town of Ludlow to trade in its current Caterpillar 120M Motor Grader.
3. All Motor Graders quoted on must be of the latest standard model being manufactured and which has been regularly advertised.
4. It is not the intent of these specifications to specify the particular make of unit or assemblies, although names may be used for reference.
5. Completed quotes to be submitted by a person authorized to represent the quoter. Sealed competitive quotes will be received at the Town Office, 37 Depot Street, PO Box 359, Ludlow, Vermont on or before July 14, 2022 at 2:00 pm at which time they will be publicly opened and read aloud. Faxed or emailed quotes will not be accepted. quotes received after that time will not be opened and will be returned to quoter. The quote sheet enclosed with this packet must be returned by all quoters.

Note: All envelopes shall be clearly marked “AWD MOTOR GRADER QUOTE”.

6. The complete unit, including all accessories and extras, together with complete parts lists, service manuals and operator’s manuals, to be delivered to the Highway Department, 19 West Hill, Ludlow, Vermont.
7. Payment for the Motor Grader cannot be made until after July 1, 2023.
8. All proposals must be submitted on the attached quote sheets and each quoter is required to submit with their quote, complete manufacturers specifications on the unit to be furnished.
9. Quotes offered which do not meet the minimum requirements and specifications will not be considered. **All quoters must include an exemption sheet that clearly lists any item or items not meeting the enclosed minimum specifications. Not including this exemption sheet may disqualify the quote.**
10. The Town of Ludlow, Vermont reserves the right to reject any and all quotes or to accept the quote deemed to be in the best interest of the Town of Ludlow.
11. Near time of delivery the Town of Ludlow will investigate a straight purchase or entering into a Municipal Lease/Purchase.

TOWN OF LUDLOW, VERMONT
ARTICULATED ALL WHEEL DRIVE
MOTOR GRADER QUOTE
SPECIFICATIONS

OPERATING WEIGHT:

The minimum operating weight of the unit included in these specifications, without the snow wing shall be 42,500 pounds.

ENGINE:

Minimum of 270 Max Net in highest gear (AWD on) variable horsepower, turbo charged, air-to-air aftercooled six-cylinder diesel engine with 24-volt electric starter, cold starting aid, engine block heater, as well as a two- stage dry type air cleaner. Engine must meet a minimum of all applicable Federal Governmental Tier 4F standards for smoke and emissions, as well as OSHA standards for noise. Engine to be protected with extended life anti-freeze. Unit shall have an environmentally friendly engine oil drain.

TRANSMISSION:

Direct Drive, full powershift 8-speeds forward, 6-speeds reverse transmission with overspeed protection. Unit shall have an Auto shift Feature. Unit will have a minimum of 4 working gears under 7 mph. Unit shall have an environmentally friendly transmission oil drain.

FRONT AXLE/REAR AXLE, DIFFERENTIAL AND BRAKES:

Front axle spindles shall be sealed and bearings shall be sealed and lubricated with an oil bath. Rear tandem axle and differential shall be heavy duty with inboard planetary final drive, with hydraulically operated rear differential lock. Rear tandem axle shall oscillate a minimum of 40 degrees. Unit shall have a manual and an automatic rear axle diff lock. Service brakes shall be hydraulic or air operated multiple wet disc and shall work independently of each other. Unit shall have a secondary braking system. Parking brake shall be manual or hydraulically operated multi wet disc. Minimum of 2" pitch drive chain.

ELECTRICAL:

24- volt electrical system. Alternator shall be a minimum of 150 amp. and be a sealed type, Starter shall be a minimum of 1000 amps. Batteries shall be a minimum of 1400 CCA. A 25 amp., 24-12 volt converter for a 2-Way Radio shall be included in unit, along with an additional 5 amp. 24-12 volt converter with Powerport located in cab. Unit shall have a ground level battery disconnect switch. All electrical wires shall be color coded and numbered.

LIGHTS:

Unit shall have a minimum of 2 front LED headlights and directional lights, 2 rear LED stop/tail/directional lights, 2 front LED work floodlights and 2 LED blade work lights, 2 rear work LED flood lights, 1 work LED flood light for wing. 2 LED Internal Service lights. Strobe light mounted on rear of cab, with switch in cab.

TOWN OF LUDLOW, VERMONT
ARTICULATED ALL WHEEL DRIVE
MOTOR GRADER QUOTE
SPECIFICATIONS (cont.)

TIRES:

Tires shall be 17.5-25 Michelin Snow Plus Radials on wide multi-piece wheels.

HYDRAULIC SYSTEM/FRONT WHEEL DRIVE ARTICULATION/STEERING:

Variable closed center variable displacement piston pump load sensing hydraulic system with aggressiveness selector for front wheel drive. Minimum of 55 gallons per minute. Total of 40 degrees of articulation, with in cab indicator. Unit shall have automatic return to center feature. Steering/wheel lean shall be full power. Unit shall have secondary steering. Hydraulic Front Wheel Drive oil/system shall be separate from the Hydraulic System to prevent cross contamination. Hydraulic system shall have required flow to ensure full multi functioning of hydraulic circuits. Machine/Steering functions shall be electric over hydraulic. Unit Shall have an Auto Articulation feature.

BLADE/MOLDBOARD/CIRCLE FRAME:

Unit shall have a circle drive slip clutch and blade lift accumulators standard equipment to protect the components from shock loading. Draw bar shall be "Y" or "V" style. Replaceable nylon wear inserts shall be installed between the drawbar and circle. The moldboard shall be a minimum of 14' x 27" x 1", with 8" cutting edges. Moldboard shall side shift a minimum of 46 inches. Unit shall be able to bank left and right to an angle of 90 degrees. Circle to be a minimum of 60" in diameter and shall have inside mounted teeth. Circle must rotated 360 degrees. Controls for all blade/circle functions, including float for both ends of moldboard shall be electric over hydraulic.

CONTROLS:

All machine operation, moldboard and attachment controls will be electric over hydraulic with 2 Joysticks.

CAB:

Enclosed Deluxe Isolation Mounted ROPS/FOPS Cab with highest BTU HVAC system available, unit shall have required ductwork to ensure heating/cooling system will maintain adequate foot heating/cooling, AM/FM/WB Radio, Defroster Fan, Air Suspension Seat, with 3" Seat Belt. Unit shall have dual doors. Sound Level in cab shall be a maximum of 70 dB(A). Wipers/Washers shall be installed on front, lower front (if unit has lower front windows) and rear of Cab. If unit has lower front windows, they shall open for ventilation. Unit shall have color rear view camera. Unit shall have dual outside heated rear view mirrors.

TOWN OF LUDLOW, VERMONT
ARTICULATED ALL WHEEL DRIVE
MOTOR GRADER QUOTE
SPECIFICATIONS (cont.)

OTHER EQUIPMENT:

- Drawbar
- Vandalism protection
- Bottom guards
- Electronic Equipment Link via the internet
- Unit shall have quick drains to drain the engine and transmission oils.
- Unit shall have Oil Sampling Ports for all oil cavities.
- Unit shall have External Toolbox.
- Unit shall have in unit full system diagnostic capabilities.

ATTACHMENTS:

- Craig PH100 Front Harness
- Craig 301-12RM Snow Wing

AUXILIARY HYDRAULICS:

Auxiliary hydraulics shall be installed to the front of the motor grader to power all moldboard controls, the front harness and the wing.

WARRANTY:

Unit shall have a 7 Year/4000 Hour Full Machine Warranty.

TOWN OF LUDLOW, VERMONT
AWD MOTOR GRADER

QUOTESHEET

Per Specifications dated 6/14/22

Make of Unit Bid: _____

Model of Unit Bid: _____

Year of Unit Bid: _____

Discounted Price of Unit \$ _____

Less Caterpillar 120M Trade \$ _____

Net Trade Price \$ _____

Company

Company Representative Name

Company Representative Signature

Date

TO BE RETURNED WITH QUOTE

TOWN OF LUDLOW, VERMONT
AWD MOTOR GRADER

EXEMPTION SHEET
Per Specifications dated 6/14/22

Please list below all specifications not met with your quote:

TO BE RETURNED WITH QUOTE