



TOWN OF WEATHERSFIELD, VERMONT REQUEST FOR PROPOSAL | ROAD GRADER



07/21/20

ROAD GRADER RFP

The Town of Weathersfield is accepting sealed Proposals for one (1) Motor Grader of the latest standard model being manufactured and which has been regularly advertised.

P.O. Box 550 | 5259 Route 5, Ascotney, VT 05030

TOWN OF WEATHERSFIELD REQUEST FOR PROPOSAL

The Town of Weathersfield, VT is seeking sealed proposals for furnishing the Town with the following piece of equipment for the Highway Department:

One (1) Articulated All Wheel Drive Motor Grader

Sealed competitive proposals will be received in the Town Manager's Office, 5259 US Route 5 | PO BOX 550, Ascutney, VT 05030 until 2:00PM on August 20, 2020. Late bids will not be opened and will be returned to the proposer.

A pre-bid conference will be held at Martin Memorial Hall on August 3, 2020 at 10:00am.

Note: All envelopes shall be clearly marked "AWD Motor Grader Bid" and written to the attention of the Town Manager.

Further information and complete specifications may be obtained via email at Weathersfield@weathersfield.org or in person by appointment only by contacting Susanne Terrill at 802-674-2626.

The Town of Weathersfield reserves the right to reject any or all proposals or to accept the proposal deemed to be in the best interest of the Town of Weathersfield, as well as to waive any informalities.

The Town of Weathersfield is requesting that all companies submit proposals on the motor grader based on the attached specifications dated July 20, 2020.

GENERAL SPECIFICATION

- MODEL:** Latest Standard Model being Manufactured
- WARRANTY:** 7 year/7000 Hour Full Machine, No Cost Warranty
- DELIVERY:** Proposer must perform a complete pre-delivery service prior to delivery of equipment.
Proposer must state the number of days for delivery from time of order. In the event of a late delivery, a \$150.00 per day late fee will be assessed against the purchase price with the total not to exceed 2.5% of purchase price.
- MANUALS:** One (1) complete service manual, digital and printed
One (1) complete parts manual, digital and printed
One (1) operator’s manual
One (1) training video (if available)
- TRAINING:** Upon delivery to end-user Proposer will provide instruction to operators on proper operation and daily maintenance.
- BIDDER:** There shall be \$500,000.00 minimum of product liability coverage by the manufacturer and a minimum of \$500,000.00 liability coverage by the product installers to protect the Town of Weathersfield. Certification shall be provided with Proposal.
Preference may be given to the Proposer who has a local dealer with a reasonable amount of parts inventory for the unit that has been proposed and a complete service facility. On new models or equipment not previously purchased by the Town of Weathersfield, the Selection Team may elect to have a demonstration of the models being considered.
- REQUIREMENTS:** All motor graders must meet all State, Federal and OSHA requirements.
- AWARD:** Award of bid will be based on the following criteria: Features, Performance, Cost, Resale Value, Warranty, Service, Parts Availability, Trade in Value of Existing Road Grader, and any other criteria deemed in the best interest of the Town of Weathersfield.

INTENT

1. It is the intent of the Town of Weathersfield to purchase one (1) articulated all-wheel drive motor grader with a minimum of 42,000-pound operating weight, 250 net horsepower, inclusive of these specifications dated July 20, 2020.
2. It is the intent of the Town of Weathersfield to trade its current 2015 Caterpillar 140M motor grader with wing, scarifier, and front push blade. This may be viewed at the Highway Garage located at 483 Stoughton Pond Road, Perkinsville, VT 05151.
3. All Motor Graders bid 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 make of unit or assemblies, although names may be used for reference.
5. Completed bids to be submitted by a person authorized to represent the bidder. Sealed competitive bids will be received at the Town Manager's Office, 5259 US Route 5 | PO BOX 550, Ascutney, Vermont 05030 on or before July 20, 2020 at 2:00 pm at which time they will be publicly opened and read aloud in the Town Clerk's Office. Bids received after that time will not be opened and will be returned to bidder.
6. **Note: All envelopes shall be clearly marked "Articulated AWD Motor Grader Bid" and written to the Attention of the Town Manager.**
7. The complete unit, including all accessories and extras, complete parts books, service manuals and operator's manuals, to be delivered to the Highway Garage, 483 Stoughton Pond Road, Perkinsville, VT 05151.
8. Delivery of the Motor Grader shall be made after July 20, 2020 and within six months of the bid award.
9. All proposals must be submitted on the attached bid sheets and each bidder is required to submit with their bid, complete manufacturers specifications on the unit to be furnished.

SPECIFICATIONS:

General:

1. Operating weight shall be a minimum of 42,000 lbs.
2. Machine shall be of the latest model.
3. Tires shall be a radial 17.5 x 25 SNOPLUS or approved equal.

Engine:

1. The engine shall be a turbo-charged, direct injection, variable horsepower diesel engine with a minimum rating no less than 250HP.
2. Covers shall be provided for engine compartment to protect against airborne debris.
3. A 120-volt engine block heater shall be available to assist in cold weather starting.
4. Engine coolant shall be extended life coolant with protection to no less than - 40° F.
5. Engine shall have oil and fuel filters, air filter with pre-cleaner and indicator.
6. Reversing Fan Drive

Powertrain:

1. Transmission shall be a direct drive, power shift, counter shaft type with fully automatic hands-free shift feature.
2. All Wheel Drive
3. Transmission shall not have less than eight (8) forward speeds and not less than six (6) reverse speeds.
4. Differential Lock/ Unlock shall be electro-hydraulically controlled and shall not have speed restrictions for engaging/ disengaging.

Steering:

1. Steering wheel or joystick controls, either is acceptable.

Brakes:

1. Four-wheel power brakes completely sealed with parking brake.

Hydraulic System

1. Lock valves shall be integrated into the main implement valve to prevent cylinder drift.
2. Blade lift cylinders shall have independent float capability.
3. Machine shall have hydraulic controls and lines to run the following implements:
 - a. Angle Moldboard
 - b. Snow Wing Mast
 - c. Snow Wing Lift
 - d. Front Lift
 - e. Rear Lift
4. Rear attachment capability

Front Axle and Tandems

1. Front Axle oscillation with left and right wheel lean.
2. Rear fenders and/or removable front fenders.
3. Machine must be equipped with a “0” degree wheel lean bar to help eliminate any tire wear on outer edges.
4. Oscillating 4-wheel tandem drive, with full machine articulation having no interference between tandem wheel and machine structure.

Operators Station

1. An enclosed sound suppressed cab with rollover protective structure (ROPS).
2. Cab shall have a fixed front window with intermittent wiper/washer, left and right-hand doors with side windows having wiper/wash and the rear defrosters with independent speed control and additional circulating fans.
3. All standard and optional gauges as indicated in the manufacturer’s literature.
4. Auxiliary controls shall be available for control of attachment implements and/or work tools.
5. Digital machine hour meter shall be provided.
6. AM/FM radio with CD, speakers, and Bluetooth.
7. Two (2) 12-volt sources shall be provided, one for a 2-way radio and the second for accessories.
8. Two (2) outside heater mirrors and one (1) inside wide-angle rear-view mirror.
9. HVAC System
10. High resolution backup camera with monitor
11. Dual joystick controls
12. Air Ride Seat

Moldboard

1. A 12’ long, minimum 24” high and minimum 7/8” thick moldboard shall be available with a carbide bit system installed. Alternate price shall be provided for a 14’ long minimum 24” high and minimum 7/8” thick moldboard shall be available with a carbide bit system installed.
2. The standard mounting hardware for cutting edges and end bits shall be 5/8”.
3. Hydraulic controlled blade side shift and tilt, blade float hydraulics.
4. Circle slip clutch.
5. Moldboard Hydraulic accumulator.

Electrical

1. Starting system shall be a 24-volt direct electric type
2. Machine shall have an alternator that meets the amperage requirements of the machine and added lights and accessories.
3. Electrical system shall have a master disconnect switch
4. LED Headlights with front turn signals, dimmer switch for road lighting. Factory installed taillight kit.

TOWN OF WEATHERSFIELD, VERMONT
ARTICULATED ALL WHEEL DRIVE MOTOR GRADER

BID SHEET

Make of Unit Bid _____
Model of Unit Bid: _____
Year of Unit Bid: _____
7 Year/7000 Hour Full Machine Warranty: \$ _____
Price of Unit with 12' Moldboard \$ _____
Price of Unit with 14' Moldboard \$ _____
Less Trade (2015 Cat 140M): \$ _____
Net Cost: \$ _____
Delivery Date: _____

OPTIONS

A. 7 Year/7000 Hour Maintenance Program \$ _____
B. Telematics (with remote software upgrades) \$ _____
C. Cross Slope Grade Control \$ _____
D. Front Push Block \$ _____
E. Blade Impact Absorption System \$ _____

Company Name

Authorized Company Representative Name (Printed)

Authorized Company Representative Signature

Date