

Town of Weathersfield Vermont

Invitation for Bids (IFB)

Wheeled Excavator

1. GOAL

1.1 The goal of this IFB is to purchase a Wheeled Excavator for use on Town Highways.

2. SPECS

2.1 See Attachment A.

3. GENERAL CONDITIONS

3.1 The bidder will specify in their proposal any deviations from the Specifications as described in Attachment A.

3.2 Provide a trade in offer for our 2009 Cat Backhoe on the Bid Sheet. Our backhoe currently has 8,000 hours on it and can be seen by appointment. Contact Ray Stapleton at Highway@weathersfield.org to set up an appointment.

3.3 Please provide 5-, 6-, and 7-year warranty prices, and 5 year service contract if available.

4. OTHER CONSIDERATIONS

4.1 It is our intent to move forward with the purchase no later than April 30, 2024.

5. INSTRUCTIONS TO BIDDER

5.1 QUESTION PERIOD

The Question Period begins on March 19, 2024, and ends on April 12, 2024. Any questions received past this date will not be answered. The purpose of the question period deadline is to ensure all questions asked and answered are logged and distributed to any vendors on our list prior to the bid due date. If you have any questions, please contact Brandon Gulnick via email at townmanager@weathersfield.org.

5.2 NOTES & ADDENDA

Any important notes and/or changes, or questions asked and answered, will be sent to all interested vendors no later than April 15, 2024. Please be sure you are added to the list to receive the most up to date information in regard to this Invitation for Bids. To be added to the list please contact Brandon Gulnick at townmanager@weathersfield.org. Specify the projects you would like to be updated on.

5.3 BID SUBMISSION

- 5.3.1 All Bids must be submitted on the provided bid form. The bid form must be filled out in its entirety and signed/dated. An incomplete bid form results in automatic disqualification.
- 5.3.2 If multiple bids are submitted, only the last one submitted prior to the bid due date and time shall be considered.
- 5.3.3 Bids must be sealed, marked **Excavator Bid** & submitted to the attention of the Town Manager, Brandon Gulnick. Bids may either be mailed to PO BOX 550, Ascutney, VT 05030 OR delivered in person to 5259 US Route 5, Ascutney, VT 05030. If bids are mailed, we recommend mailing them well in advance to ensure the bid is received prior to the public bid opening and bid award. Late bids will not be accepted, even in the case the envelope is postmarked prior to the due date.
- 5.3.4 Bids must be submitted no later than April 17, 2024, at 11am.

5.4 PUBLIC BID OPENING/ BID AWARD

- 5.4.1 A Public Bid Opening will take place in the Conference Room at Martin Memorial Hall on April 17, 2024, at 1pm. Bids will be unsealed, read aloud, and logged into a bid opening form.
- 5.4.2 Bids will be analyzed, and a recommendation will be made by the Town Manager to the Selectboard on April 22, 2024. Vendors will be notified by April 23, 2024.

5.5 SELECTION CRITERIA

- 5.5.1 The project will be awarded to the most responsible vendor whose bid represents the best value for the Town of Weathersfield.
- 5.5.2 All bids will be received & reviewed based on the information provided on the bid form.

6. THE TOWN RESERVES THE RIGHT:

- 6.1 To accept or reject any or all bids and to accept other than the lowest price proposal.
- 6.2 To amend, modify, or withdraw this Request for Bids
- 6.3 To require supplemental statements or information from proposers
- 6.4 To extend the deadline for responses to this Request for Bids
- 6.5 To waive or correct any irregularities in bids received
- 6.6 To negotiate separately with competing bidder.

7. CALENDAR

- 7.1 Request for Bids posted 03/19/24
- 7.2 Question Period ends on 04/12/24
- 7.3 Questions & Addenda emailed to vendors on bid list no later than 04/13/24 (if any)
- 7.4 Bids Due: 04/17/24 at 11am.
- 7.5 Public Bid Opening on 04/17/24 at 1pm
- 7.6 Vendor Notification: by 04/23/24

**TOWN OF WEATHERSFIELD, VERMONT
 BID FORM
 WHEELED EXCAVATOR**

Instructions: Please fill out this bid form in its entirety.

Bidders Name: _____

Address: _____

Email Address: _____

Phone Number: _____

Please list three municipal references your company sold machines to:

- 1.
- 2.
- 3.

| | |
|--|----|
| Excavator Bid: | \$ |
| Trade in Offer: | \$ |
| 5 Year Warranty (If available) | \$ |
| 6 Year Warranty (If available) | \$ |
| 7 Year Warranty (If available) | \$ |
| 5-Year Service Contract (If available) | \$ |
| Estimated Delivery Date: | |
| Closest address to Service Machine: | |

In developing this Bid, I have followed all instructions set forth by the Town of Weathersfield and hereby certify that the machine to be provided will fully conform to conditions stipulated as part of the Town's invitation for bids. I have read the bid documents and agree to adhere to all of the provisions.

Furthermore, I certify that the price in this bid has been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such price with any other bidder or with any competitor.

Signature of bidder: _____ Date: _____

ATTACHMENT A
[SPECIFICATIONS]

**ATTACHMENT A
 BID SPECIFICATIONS**

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 on a separate sheet of paper attached to your bid, clearly referencing the relevant non-conforming item(s) by section and item number.

| | | COMPLIANT? | |
|--|--|-------------------|-----------|
| | | YES | NO |
| A) Overall Machine Description | | | |
| 1. The excavator shall be configured with front dozer blade and rear outriggers. Its weight shall be within 28,000-31,800 lbs. Fitted with an equivalent S6 Hydraulic coupler, Main Pin Hydraulic Thumb, S6 36" Dig & 60" Hydraulic Tilt Bucket. Machine with 15' 11" 2 piece boom, 6' 11" dipper arm, and standard counterweight. | | --- | --- |
| B) ENGINE | | | |
| ENGINE C22:L26C22C21:L22C22C21:L22 | | | |
| 1. Engine shall be latest design and meet all EPA Tier 4 Final emission requirements currently in effect. | | --- | --- |
| 2. Engine shall be made by the manufacturer of the excavator, a minimum of 4 cylinders, charged air cooler, turbo-charged, water cooling and direct injection, plus a minimum of 119 net horsepower and shall be able to produce a maximum torque of 417 lbs.-ft. and also be of wet sleeve design. | | --- | --- |
| 3. Engine must have an external exhaust gas recirculation system(EGR) together with an DPF (diesel particulate filter) and SCR (selective catalytic reduction) to minimize emissions. | | --- | --- |
| 4. Engine shall be equipped with the following minimum features: 24-volt electrical system, dual stage dry air cleaner, 120-amp (min.) alternator, anti-freeze protection to -35°F below zero, cooling fan guard, master electrical disconnect switch, water separator, spin on engine oil and fuel cartridges. | | --- | --- |
| 5. Excavator shall include a 120 V engine block heater | | --- | --- |
| 6. Excavator shall include an auto idle feature that will return the engine to high idle during operator inactivity | | --- | --- |
| 7. Excavator shall include an Auto Engine Shutdown feature to lower fuel consumption and reduce engine wear. | | --- | --- |
| C) HYDRAULICS | | | |
| 1. Hydraulic system shall be of manufacturer's latest design, having a low noise axial piston hydraulic pump. | | --- | --- |
| 2. Flows and pressure shall be controlled by electric and hydraulic signals. It shall be equipped with a self-diagnostic monitoring system viewable in the operator's cab. | | --- | --- |
| 3. System pressure shall not exceed a maximum of 5,200 psi. | | --- | --- |
| 4. Control levers in the operator's cab shall be of a low effort design (hydraulic over hydraulic) | | --- | --- |
| 5. Hydraulic system shall have a momentary boost pressure device capable of operating the hydraulic system at a 10% higher pressure for a short period. | | --- | --- |
| 6. Main control valve shall be equipped with a thermostat to regulate/maintain proper temperature and Load Holding valves for boom and arm circuits. | | --- | --- |
| 7. Filtration shall be as follows: Suction filter screens, return filter, <i>case drain filter</i> and pilot filter | | --- | --- |
| 8. Shall be equipped with an automatic slew holding brake and anti-rebound valve. | | --- | --- |
| 9. Excavator shall have boom, arm and swing priority systems controlled via servo, and activated by a safety lock lever. | | --- | --- |
| 10. Regeneration system shall prevent arm and boom cylinder cavitations and facilitate better cylinder speed. | | --- | --- |
| 11. Hydraulic cylinders shall be repairable in the field if needed. | | --- | --- |
| 12. Excavator shall be equipped with manufacturer's standard hammer/shear, hydraulic circuit having variable flow and pressure control as standard and it shall be equipped with manufacturer's standard hydraulic circuit for bucket quick fit operation. | | --- | --- |
| 13. Excavator shall be equipped with a pedal control for hammer/shear operation. | | --- | --- |
| 14. Excavator shall be equipped with manufacturer's hammer/shear hydraulic pressure control circuit. | | --- | --- |
| 15. Excavator shall be equipped with manufacturer's proportional joystick control switches. | | --- | --- |
| 16. Excavator shall be equipped with manufacturer's slope/rotator hydraulic circuit. | | --- | --- |
| 17. Excavator shall be equipped with manufacturer's boom float circuit. | | --- | --- |
| 18. Excavator shall be equipped with manufacturer's boom suspension circuit which will automatically disengage below a desired set speed. | | --- | --- |
| 19. Auxiliary hydraulic system setting shall be password protected. | | --- | --- |

D) DIMENSIONS

| | | | |
|-----------------------------------|--------------------------------|-----|-----|
| 1. Overall width (superstructure) | 8 feet 2 inches | --- | --- |
| 2. Overall height of cab | 10 feet 0 inches | --- | --- |
| 3. Overall height of boom | 8 feet 0 inches (2-piece boom) | --- | --- |
| 4. Tail swing radius | 5 feet 1 inches | --- | --- |
| 5. Counterweight clearance | 3 feet 9 inches | --- | --- |
| 6. Overall length | 26 feet 3 inches (6'11" arm) | --- | --- |
| 7. Overall length | 26 feet 4 inches (7'10"arm) | --- | --- |

E) UNDERCARRIAGE

| | | | |
|--|-----------------|-----|-----|
| 1. Drive train shall have a variable displacement axial-piston motor mounted to a 3-step power shift gear box to power both front and rear axles with hub reductions | | --- | --- |
| 2. Each wheel shall have dual 9.00-20 14 PR tires with a stone protection ring between tires | | --- | --- |
| 3. Wheel base | 8 feet 4 inches | --- | --- |
| 4. Track gauge/tread | 6 feet 4 inches | --- | --- |
| 5. Max. outrigger width | 8 feet 4 inch | --- | --- |
| 6. Minimum ground clearance | 1 foot 0 inches | --- | --- |
| 7. Unit shall be capable of four wheel steering and crab steering | | --- | --- |
| 7a. Front axle shall have a minimum oscillation of +/- 7° | | --- | --- |
| 8a. Digging brake shall be operated by a mechanical pedal with one touch release, and lock both front and rear axle brakes plus the oscillating axle. | | --- | --- |
| 8b. Unit shall be equipped with an Automatic Digging brake whereby the service brake and oscillation lock automatically engage when the machine's speed is at zero. | | --- | --- |
| 9. Maximum traction force shall be no less than 18,844 lbs | | --- | --- |
| 10. The excavator shall have a separate control switch to manually lock the front axle oscillation | | --- | --- |
| 11. On road travel speed shall be a maximum of 21.7mph (35.0 km/h) | | --- | --- |
| 12. Off road travel speed shall be a maximum of 5.3 mph (8.5 km/h) | | --- | --- |
| 13. Creeping speed shall be no more than 3 mph (4.0 km/h) | | --- | --- |
| 14. Minimum turning radius shall not be more than 14' (7.3m) (w/4-wheel steer) | | --- | --- |
| 15. An automatic retardation valve shall be included to control downhill over speed | | --- | --- |
| 16. Brakes shall be self-adjusting wet multi-disc type with two separate brake circuits (front and rear) | | --- | --- |
| 17. Service brakes shall be servo-hydraulically controlled | | --- | --- |
| 18. Parking brake shall be negative wet-disc in gear housing; spring applied and hydraulically released | | --- | --- |
| 19. The machine's braking system shall be provided with accumulators for emergency braking | | --- | --- |
| 20. Travel direction (forward/reverse) shall be selectable by a rocker switch on one of the joysticks | | --- | --- |
| 21. The machine's steering system shall be provided with an emergency steering system | | --- | --- |

F) OPERATOR'S CAB

| | | | |
|--|--|-----|-----|
| 1. Cab structure shall be ISO ROPS certified with openable roof hatch with tinted glass, roomy space, easy-open front windshield with gas strut and wire system. | | --- | --- |
| 2. Cab with whole body vibration reduced shall include a air suspension seat with heater and adjustable consoles independent of seat adjustment. | | --- | --- |
| 3. Cab structure shall be mounted on four, vibration and noise dampening spring mounts. | | --- | --- |
| 4. Operator seat shall be equipped with 3-inch retractable seatbelt. | | --- | --- |
| 5. Excavator shall have engine monitoring system with gauges for engine coolant temperature and fuel level. System shall provide engine and hydraulic fluid levels as well as hydraulic and coolant temperature indicators. | | --- | --- |
| 6. Excavator shall be equipped with upper, front, and rear sun screens for operator comfort. | | --- | --- |
| 7. Main control levers (boom, bucket, dipper arm and swing) shall have proportional roller switches installed on the levers for control of auxiliary hydraulic circuits such as hammer/thumb operation, etc. The horn shall be accessible via one of the joystick buttons/switches. | | --- | --- |
| 8. Excavator shall have an automatic temperature control system with a minimum of 28,570 BTU (7,200 kcal/hr) heating capacity, and a minimum of 25,790 BTU (6,500 kcal/hr) cooling capacity. System shall include air filtration with external air filter access to maintain dust out during normal maintenance. | | --- | --- |
| 9. Excavator cab shall include a minimum of 14 vents to ensure adequate cooling and heating. | | --- | --- |
| 10a. Excavator shall have a rear and side view cameras standard on the machine. Camera views will be fully visible through the machine monitor when the machine is started. | | --- | --- |

- 10b. Excavator shall be equipped with a bird's eye view camera system, providing a 360° field of view with a minimum of three cameras. ___
- 11. Cab door shall be provided with two slide windows with multiple locking positions. ___
- 12. The cab shall have Falling Object Guard protection ___
- 13. In cab sound level shall be no more than 71 LpA dB(A) -- ISO 6396 ___
- 14. The front lower windshield shall be removable with proper storage inside the cab. ___
- 15. Front windshield shall have windshield washer and intermittent wiper. ___
- 16. A color LCD monitor with screen tilt angle and adjustable contrast shall be standard and include the capability to select other languages including English, Spanish, and French. ___
- 17. Monitor keypad control and buttons shall be located on the right side panel. ___
- 18. The steering column shall not have gauges mounted on it and shall pivot at the floor to provide safe control ___
- 19. AM/FM stereo with CD player and MP3 input with remote control pad on the left side panel/console shall be standard. System will include Bluetooth to enable calls to be taken hands-free through the remote control pad. ___

G) FUEL TANK

- 1. Fuel tank shall hold a minimum of 39.6 gallons with lockable fuel cap. ___
- 2. Fuel tank shall have a ventilation filter with anti-leakage valve in case of machine rollover. ___
- 3. Def/AdBlue tank shall have a minimum of 6.6 gallon capacity ___

H) MISCELLANEOUS

- 1. All access doors and compartments shall be lockable, using the same key as ignition switch. ___
- 2. Excavator shall be equipped with an LED beacon light. ___
- 3. Excavator shall be equipped with extra lights (two on boom, two on cab front, one on cab rear and one on ___
- 4. Excavator shall have a travel alarm with the muting option accessible from the operator's control panel. ___
- 5. Excavator shall include a diesel heater with programable control panel inside the operator's cab ___
- 6. Excavator shall include a fuel filler pump system with automatic shut-off ___
- 7. Excavator shall have anti-theft protection system ___
- 8. Excavator shall be equipped with a quick coupler system ___
- 9. Excavator shall be equipped with a telematics system for tracking and maintenance ___
capability ___
- 11. Master electrical disconnect switch shall be standard and accessible from the ground. ___
- 12. Both fuel and hydraulic oil tanks shall be steel fabricated to provide more safety ___
- 13. Machine shall provide centralized lubrication points for boom, arm, and swing bearing. ___
- 14. Machine upper structure shall be provided with perforated steel walk ways. ___
- 15. A pilot control pattern changer shall be included to easily switch joystick configuration from SAE/ISO to Back ___
Hoe Loader style ___