

**ONE (1) ALL SEASON DUMP BODY, SNOWPLOW & WING
TO BE MOUNTED ON A 10WHEELER CAB & CHASSIS 66,000# GVWR TRUCK**

BIDDING INSTRUCTIONS

The following instructions shall be observed by all bidders:

1. **SPECIFICATIONS:** Bids shall be submitted in conformance with the attached detailed specifications for one (1) all season dump body, plow hitch and wing which are to be considered as minimum acceptable standards. Any variations from the specifications shall be clearly noted by the bidder and why the variation from the specifications. Bidder shall submit specifications/cut sheets detailing the bid items.
2. **BID PROCEDURES:** All bids shall be submitted **on the form provided by the Town** and addressed to the Chelsea Administrative Assistant P.O. Box 266, Chelsea, VT 05038. Bids must be received by **noon on Tuesday, August 6th 2024**, for opening at **6:30PM at the regularly warned Selectboard meeting at the Town Hall on August 6th 2024**. Bids shall be in sealed envelopes clearly labeled "**BID - DUMP BODY & SNOWPLOW**". Do not fax your bid. Bids on the Town's bid form may be submitted as a PDF attachment to an e-mail to town.administrator@chelseavt.us Use "Dump Body, Plow & Wing" on the subject line. Bidders will receive a confirmation email from this address. However, it is the bidder's responsibility to confirm the Town received the bid and it can be opened and read. E-mail bids (the attachment) will be opened and printed at the time set for the bid opening. The Town reserves the right to waive informalities or reject any or all bids when such action is deemed in the best interest of the Town. The Town reserves the right to delete such items as it deems necessary from these proposals.
3. **DELIVERY:** The completed truck shall be delivered to the Town 60 days after receiving the truck cab and chassis.
4. **SERVICE AND PARTS:** The dealer shall be able to supply the Town with good quality service within 24 hours of request. The dealer shall have an adequate parts supply and availability.
5. **MISCELLANEOUS:** It is understood that, in any bid submitted, the bid will be accepted only upon the conditions that a firm price is established, and firm date of delivery established from when you receive the chassis to when the Town will receive the truck complete with all season dump body and snowplow according to specifications. Following the awarding of a contract, the Town at its option reserves the right (upon a change in price or non-delivery in your specified time) to cancel the order. If you have any questions regarding the specifications or quote procedures, please contact Rick Ackerman Road Supervisor 802-685-4302
6. **PAYMENT:** The Town will make payment within 20 days of accepted delivery.

DUMP BODY:

- A. 14ft. with minimum 38" sides and 50" Tailgate.
- B. The body will be constructed of 3/16" corten steel.
- C. Shall have an inner body design for safe operation and body rigidity.
- D. The body floor and hinged conveyor cover will be ¼" AR 400 180,000PSI.
- E. The rear corner post will be designed to incorporate 3 openings lined up vertically on the face of the post Spaced 1 to 2" apart for lighting.
- F. The cab shield will be 24" minimum.
- G. A body safety leg with mounting hardware will be provided.
- H. A body side dump safety leg with mounting will be provided.

- I. The floor hinge shall have stainless pins & appropriate grease points relocated to the outside of body for easy access.
- J. Tailgate shall be air operated with a double-acting cylinder.
- K. Tailgate spreader chains will be provided and will be partially enclosed in a rubber or vinyl tube.
- L. Shall have grease type spreader chain tensioners.
- M. Shall be equipped with a winter and summer material shoot.

HOIST:

- A. Shall be front telescopic single acting hoist properly sized for the intended operation. All mounting hardware, braces, and brackets necessary to mount the hoist to the body and chassis will be Provided.

BODY ACCESSORIES:

- A. Drivers side fold down ladder will be installed approximately 18" wide.
- B. Four (4) Mud flaps will be attached to the body in front of the front tires and to the rear of the back truck tires. The front flaps will be bracketed to keep from folding over the tires
- C. Load cover, electrically operated materials covering system, with tension hoop hold down, will be installed on the cab protector with control arms extending to the lower part of the body both sides and out of the loading area for protection. An asphalt tarp will be provided.
- D. A central lube system will be provided to lube all body and spreader fittings (with the exception of the conveyor chain adjusting cylinders).
- E. All body lights will be L.E.D. One (1) roof mount self-contained strobe bar, (2) rear oval strobes (2) rear stop, tails, (2) back-up lights, DOT approved marker lights, (2) rear utility back up lights (location approved by the shop foreman), (1) sander light, (1) wing light, (1) conveyor discharge light. The front marker light will be replaced with an amber DOT approved reflector.
- F. A $\frac{3}{4}$ " pintle plate with D-rings and a. Two (2) 5/16 holes will be drilled to mount the rear license plate. The license plate light will be mounted above and centered over the mounting holes.
- G. A tool rack will be installed on the driver's side front of the body and the location will be determined by the shop foreman.
- H. A vibco 3500 vibrator will be installed.
- I. A 4-camera system with dash mounted display. One camera for backing up, one for wing display, one for body material display, and one for body hopper display.

HYDRAULIC:

- A. A load sense pump will operate the plow, dump body, and wing. It will be transmission mounted with hot shift P.T.O. The pump will be properly sized for the intended operation.
- B. All Hydraulic cylinders used in the system will be properly sized and of sufficient capacity that they can perform their designed functions without any noticeable deflection of the cylinder rod when fully extended.
- C. The control levers will be mounted between the seats easily accessible to the operator but not interfering with other truck components. The positioning must be approved by the Shop Foreman at the Town garage. Stainless steel control cables will be used.
- D. A central hydraulic valve system properly rated for the use of all hydraulics will be mounted behind the cab in an accessible location on the wing side. The valve will be designed to withstand exposure to de-icing chemicals and severe weather conditions without the use of a watertight enclosure.

Stackable section valves that allow for servicing without disassembly will be used. Each section must allow simultaneous operation without impacting other operations. A port relief valve will be provided for side body lift cylinders — downside.

- E. Valving will provide hydraulics for: body hoist, front plow, front wing, wing arm lift, side body lift, materials conveyor, and material spinner. The control levers will follow the same sequence. No hydraulics will be permitted in the cab.
- F. Hard pipe shall all be stainless steel and sized properly. All hydraulic hose connections will have swivel national pipe thread fittings on both ends. All hoses must be adequately supported and routed so not to interfere with maintenance and services of the truck components and assemblies. All hoses will be routed away from and protected from engine and exhaust heat. All wear points will be properly protected.
- G. The oil reservoir will be sufficient size to dissipate the system heat build- up. The reservoir will be equipped with a spin on filter with proper G.P.M. flow for the system. A site gauge will be mounted on the side of the reservoir tank. A shut off valve will be installed for ease of maintenance. Included shall also be a cleanable suction screen.

SPREADER CONTROLS:

- A. Provide a Cirus Spread Smart, closed looped, ground speed oriented, electronic material dispensing system for winter maintenance. Hard pipe to be stainless steel.

CONVEYOR:

- A. The conveyor chain will be heavy-duty, 53 links per 100'-foot section with a minimum 3000 pound working capacity, self-cleaning pintle type (with flighting every other link). If it is standard production to have the internal chain links covered leaving only the flight exposed, it will be provided. The conveyor drive system shall have an access panel to provide for easy removal of the complete drive assembly for servicing or component replacement.
- B. The conveyor door opening will be a minimum of 10" high and have the control positioned for safe easy operation from the side of truck. A gauge and pointer will be installed on the headboard showing the number of inches of door opening.

SPINNER:

- A. A six (6) vane 18" diameter minimum polyurethane spinner disk will be provided. System will permit adjustment of the spinner height. The direction of the spread off the spinner will be to the outside of the truck on the side the spinner is mounted. After painting and installing the spinner must be tested to ensure it is easily and fully adjustable.
- B. A bracket will be attached to the frame near spinner location. Nipples will be welded to the bracket and sized to feed and return the spinner oil. Female pipe to female pipe swivel will be attached on both sides. Spinner motor will have female pipe swivels attached. Hoses will have male pipe fittings on both ends, long enough to allow them to be reconnected to the motor or bracket when the spinner is removed during summer.

FRONT PLOW HITCH:

- A. Will consist of all necessary "cheek" plates, push arms and frames required to properly mount, lift, carry, and operate the plow.
- B. A power tilt front plow hitch will be provided for ease of truck maintenance.
- C. Shall also have a front plow control.
- D. The lift cylinder shall be power up and down.
- E. All hydraulic lines shall have quick disconnects for plow removal and hitch removal for summer use.

F. Shall be equipped with quick lock system for the front plow. (Tenco Locks)

G. Shall be equipped with LED heated plow light system.

PLOW:

A. One-way 11ft. plow

B. 12-inch top-punch carbide blades will be included with the plow with cover blade.

C. When set at 60 degrees the moldboard height at the nose shall not exceed 30" and the moldboard

D. Discharge end shall not exceed 55". Three 60-degree moldboard carbide shoes will be installed.

E. The plow lifting device shall consist of a three-chain level lift system.

WING:

A. A two function patrol wing system will be installed with a fixed rear post and a front post with 36' of movement. Safety trip arms and front trip block.

B. A 10' carbide cutting edge and cover blade will be installed on the wing blade 12" bolt space pattern.

C. Wing will be set up so that the angle between the cutting edge and the ground is 75-80 degrees when in the plowing position.

D. The wing must be positioned such that the wing and plow will provide a clear path with no gaps and such that the wing in both plowing operations and carry position will provide adequate tire clearance and not rub against the body. Stops must be provided on the wing block so that it cannot hit the fender when the wing is removed.

E. Wing will be totally hydraulically operated. No cables. It will be designed in such a way that when the wing is raised into the carry position it will not hit any part of the cab. It will be equipped with a safety chain, attached to wing tower, so that it cannot accidentally drop out of the carry position. The wing will not extend past the outside edge of the front plow, when in the carry position.

F. The wing front trip block, referred to in the industry as a 30-degree hinge, will be mounted on the intake end of the wing.

PAINT:

A. All components shall be primed with epoxy primer and painted with DuPont Imron black, apart from the front of the plow and wing which will be orange.

SPECIAL CONDITIONS:

A. Relocation of truck components will be coordinated with the Town Road Supervisor. Any components removed, such as bumpers, and not reused in the reinstallation, are property of the Town and will be shipped with the truck.

B. The successful bidder is responsible to notify the Town of the receipt and condition of the cab and chassis from the vehicle manufacturer.

C. The normal sequence in the assembly of the complete vehicle is for the vehicle to go from the manufacturer to the truck dealer, to the snowplow, truck body dealer, to the Town Garage. Within a 75-mile radius of the Town Garage it is the responsibility of the truck dealer to deliver the vehicle to the body/plow dealer. If the successful dealer is outside the 75-mile radius, that dealer will also be required to pay part of the cost of having the vehicle delivered to his location. Transportation costs are to be included in the bid. No additional cost will be paid by the Town. Work to start within 10 days of the Town receiving the truck and to be completed in 60 days.

D. Parts manuals and literature are to be delivered with the complete order.

TRAINING:

One-hour training session will be conducted for operators and field maintenance personnel on the vehicle. The training will include use and calibration of the spreader. The successful vendor is responsible for organizing the training, providing knowledgeable instructors and any training materials/aids. The training session will be at the Town Garage in Websterville upon delivery.

TOWN OF CHELSEA
Highway Dept
Chelsea, VT 05038

BID SHEET

Dump Body:

Vendor Make and Model

BID PRICE: \$ _____

Snowplow and Wing:

Vendor Make and Model

BID PRICE: \$ _____

**A two-year warranty shall be provided for the complete system.
A complete parts manual covering all components will also be furnished.**

TOTAL BID FOR ONE (1) DUMP BODY, ONE (1) PLOW AND ONE (1) PLOW WING:

\$ _____

State Terms and Conditions:

Date: _____

Authorized Signature: _____

Telephone: _____

Company: _____

Address: _____

Bids are due by Noon, Tuesday, August 6 2024

Sent to:

Viking-Cives of Vermont
Attn: Mike Murray, Sales
74 Armand Ln.
Williston, Vt. 05495

Howard P. Fairfield, Inc.
Attn: Mike Koulbach 554 Maple St
Hopkinton, NH 03229