

**Town of New Gloucester  
Invitation to Bid  
New 2024/2025  
Combination Dump Body with Sand Spreader  
and Plow Gear**

The Town of New Gloucester is requesting bids for a new 2024/2025 Combination Dump Body/Sand Spreader and Plow Gear. The required specifications may be obtained from the New Gloucester Town Office, 385 Intervale Road, New Gloucester, Maine, 04260 or by emailing [smyers@newgloucester.com](mailto:smyers@newgloucester.com). Questions about the specifications should be directed to Public Works Director, Ted Shane, at 926-4574 during business hours. Sealed bids must be marked, "**Combination Dump Body with Sand Spreader and Plow Gear**" and submitted to the Town Manager by 6:00 p.m., Monday, June 17, 2024. Bids will be opened at the regular Board of Selectmen's meeting at 7:00 p.m., on Monday, June 17, 2024, at the New Gloucester Meetinghouse, 389 Intervale Road, New Gloucester. The Town of New Gloucester reserves the right to accept or reject any bid.

**Town of New Gloucester**  
**Detail Specification for New 2024/2025**  
**Combination Dump Body/ with Sand Spreader**  
**and Plow Gear**

This is an invitation to submit a bid to the Town of New Gloucester on furnishing a new combination Dump Body with Sand Spreader and Plow Gear.

It is the intent and purpose of these specifications to describe one combination dump body/sand spreader, and Plow Gear designed and engineered specifically for extreme conditions of operation.

Each individual item to be bid on shall be furnished complete and in readiness for use as required by the terms of these specifications and strict accordance therein. The unit and all equipment furnished shall be a new 2024, or 2025, published stock model which meets all acceptable requirements of these specifications. All design materials and workmanship shall in every respect be in accordance with the best current practices in the industry, and all materials shall be new.

Equipment must be completely inspected and serviced by the vendor, prior to delivery. It is expected that when the bid is awarded that the prime contractor for the equipment, they will have 90 calendar days from the date the chassis is delivered to your shop to mount complete. Expected dates the chassis will be available is on or before December 1, 2024.

The bid should include literature with pictures and detailed specifications for each bid item, including a basic warranty.

The vendor, by submitting a bid, agrees to the conditions, requirements, and specifications herein referred to within these specifications. However, bids on comparable equipment will be considered.

Specifications may be obtained at the New Gloucester Town Office, 385 Intervale Road, New Gloucester, Maine 04260 during regular business hours by emailing [smyers@newgloucester.com](mailto:smyers@newgloucester.com) or by calling 207-926-4126 ext. 1.

Any questions on the specifications should be directed to Public Works Director, Ted Shane, at 207-926-4574 during business hours, Monday thru Thursday 6:30 A.M. to 5:00 P.M.

**Sealed bids must be marked,**  
**"COMBINATION DUMP BODY with SAND SPREADER and PLOW GEAR"**  
**And submitted to the Town Manager, Bill Kerbin, Town of New Gloucester**  
**385 Intervale Road, New Gloucester, Maine 04260**  
**By 6:00 p.m., Monday, June 17, 2024**  
**Bids will be opened at the Regular Selectmen's Meeting at**  
**7:00 p.m., Monday, June 17, 2024**

**TOWN OF NEW GLOUCESTER**  
**Detailed Specifications**  
**Combination Dump Body with Sand Spreader and Plow Gear**  
**To be mounted on a**  
**Two-Axle Chassis**

**GENERAL:**

Heavy duty combination Dump Body/Sand Spreader, complete body to be constructed of 3/16" Type 304 Stainless Steel. Material to drop left side in front of wheels to a frame mounted spinner assembly. To operate on 1600 psi valve pressure.

Body to be solid welded throughout, mounted 36" (minimum) back of cab. Calcium chloride tank shall be mounted on right side frame by wing brace.

Rear of truck frame to have plate and pintel hook with two chain hooks or rings on sides of plate.

Combination Spreader/Dump Body:

- Heavy duty body serving as a spreader or dump, transformed by a hydraulic tilting floor
- Inside length: 13'
- Sides height: 40"
- Tailgate height: 55"
- Hoist cylinder: single acting telescopic
- Cab shield: 24" overhang
- The sides, front, tailgate, cab shield shall be constructed of 3/16" Stainless Steel Type 304 Steel
- The tipper floor shall be constructed of 1/4" Hardox 450 steel
- Solid curb side wall
- Tailgate will be double acting design
- Tailgate shall be air operated from within cab and shall latch/unlatch with a double acting air cylinder
- Remote grease for all grease points on body
- The side tilt floor shall be raised to reload the conveyor by use of two double acting cylinders
- The conveyor assembly shall be constructed of Hardox 450 steel and run longitudinally down the driver's side of the body, discharging in front of the rear wheels
- Side dump hinge & pin to be stainless steel
- Grease cylinder adjustment for conveyor chain
- There shall be a Hardox 450 chain cover plate
- The chain shall contain 3/8"x1-1/2" bar flights every other link for greater strength and more even material flow
- The chain is driven by 25:1 ratio worm gear box
- Spinner assembly is chassis mounted and is laterally and horizontally adjustable as well as removable
- The chute is frame mounted and both adjustable and removable.

- An electric load cover with thirty-degree aluminum arms and asphalt tarp shall be installed
- A body access ladder with internal step shall be supplied and installed to the left-hand side of body towards the rear
- 2"x 8" stainless c-channel side boards w/angle welded on top

#### Hardware:

- 3/8" coil proof spreader chains
- Air control for tailgate to be installed in cab to right of driver's seat with the plow controls
- A shovel holder will be installed on front left side of body, approved by the Town of New Gloucester.

#### Floor:

- Minimum one-piece floor 1/4" Hardox 450 steel

#### Sub-frame:

- Full length tubular steel longitudinal with tubular cross members for support.

#### Conveyor System:

- Longitudinal conveyor system
- Pintle type chain with D667x links with chain tightener roll removable conveyor floor
- Cross bar to be welded every other link for even material flow
- Hydraulically driven 25:1 worm gear reducer gear box with minimum 1 3/4" drive sprockets
- Minimum 1 1/4" idler sprockets or roll all shafts equipped with sealed, grease able ball bearings
- 7 Ga Corten steel spinner assembly, with 6 flight polymar disk and direct mount hydraulic motor
- Non-adhesive polyethylene feeding chute liner

#### Hydraulics:

- Mailhot front telescopic hoist assembly with base basket and HD all attaching hardware to dump body
- Cab mount pressure compensated sander valve with spinner and conveyor dials all hosing tied into snow plow hydraulic system
- Telescopic hoist to dump high enough to clear all material from body
- Stainless Steel Hydraulic Lines must be used where feasible

#### Hitch and Wing System

- Hitch to be of tilting design
- Hitch shall tilt forward for engine access when two top pins are removed
- There shall be a double acting cylinder for plow lift
- Three plow pin heights shall be provided
- Two horizontal tubes shall extend outward to the passenger side of the chassis to serve as support for the front wing post

- All vertical and horizontal supports shall be of tubular construction for strength (Angle iron construction shall be deemed insufficient)
- The front wing post shall be bolted to the hitch
- Front slide travel shall be actuated by a double acting hydraulic cylinder with cable and sheave
- The front slide will travel a minimum of 66"
- The rear post shall be a high lift patrol wing hydraulic design
- The rear slide will travel 20"
- The rear post shall be braced with 10" beam and tubular bracing attached to a plate fastened to the chassis frame rail
- A 10" beam shall tie both chassis frame rails together with the rear post
- The rear wing post shall have a three-point attachment for top and bottom push arm and lift cylinder attachment
- The lift cylinder shall provide rear of wing lift and shall be supplied completed with adjustable flow restrictors to control the speed of the wing up & down
- The cylinder shall be fitted with an integral counter balance valve at its base, so to protect against impact load and the possibility of the wing dropping due to pressure line failure
- Push arms are adjustable in length to provide variable clearing paths
- Lower wing arm should have a compression spring
- A trip block shall be mounted between the nose of the wing and the front post to allow the wing to trip over road obstacles
- The trip block shall be able to be locked out with a pin for shelving or unpinned to allow the wing to trip
- All hitch and wing mount gear shall be sandblasted, epoxy primed and painted black

#### Wing:

- Cutting edge length: 11'
- Overall length: 12'
- Moldboard constructed from 8-gauge high strength carbon steel and reinforced with full length ribs
- The wing shall be punched 12" on center
- Wing shall come complete with (2) 5/8"x8" cutting edges blades and (2) moldboard shoes installed
- Wing should come with heavy duty wing arms
- The wing shall be sand blasted, epoxy primed, painted orange on front and black on the back

#### Plow:

- Shall be a high-speed full trip reversible one-way plow
- Cutting edge length: 11'
- Moldboard nose height: 28"
- Moldboard discharge height: 52"
- Moldboard shall be constructed of 8 gauge, with (8) 1/2" ribs
- Plow shall be punch 12" on center
- The plow shall come complete with carbide and cover blades
- A rubber deflector shall be attached to the leading edge of the moldboard

- Plow drive frame shall be of box tube construction and shall have two cushion valve protected cylinders for reversing the moldboard
- Plow shall pin to hitch on standard 30 ½' centers
- There shall be a three-chain level lifting device
- The moldboard shall be painted orange on the front and black on the back
- Shall have (2) frame mounted shoes suitable for gravel roads, (2) moldboard shoes and (2) curb shoes
- Moldboard reinforcing structure and drive frame steel shall be painted black

#### Hydraulics:

- Front mounted tandem gear pump with PTO to be operated with cable
- Electronic implement and spreader valving shall be behind cab mounted in an enclosure
- (7) V20 Greisen valves cable controlled
- All implement lines shall be plumbed with stainless steel, short hose whips and quick couplers
- Spreader functions shall be run by a Cirrus EZ spread 3 knob electronic control which has blast and ground speed features or equivalent
- Cable controls to be mounted on pedestal in cab
- A 40-gallon oil reservoir with return line filtration, shut off valve and low oil sensor shall be mounted behind the cab

#### Lighting:

- LED strobes in head board
- LED strobes, stop/tail/turn and back-up lights
- Shall be installed in rear body corner posts
- Wing and sander lights
- Self-contained mirror mount strobes
- (2) Work lights mounted on pintle plate

#### Calcium System:

- 50-gallon (minimum) poly frame mounted tank
- Hydraulic calcium pump
- To be controlled with a Cirrus EZ spread controller or equivalent

#### Miscellaneous:

- Federal clearance lights mounted in recessed openings in body; also, oval stop directional strobe lights and back combo up high in rear post or oval outside rear posts
- Front and rear mud flaps
- Body up warning lights
- Body safety props
- Fold down ladder on outside of body on left rear side
- Load cover, electronically operated control in cab, to cover load hot top loads.
- Include literature and parts books
- Include all warranty literature

**\*\*\* Any deviations need to be noted on separate sheet\*\*\***

**Sealed bids must be marked,  
“COMBINATION DUMP BODY with SAND SPREADER and PLOW  
GEAR”  
and submitted to the Town Manager, Bill Kerbin, Town of New Gloucester,  
385 Intervale Road, New Gloucester, Maine 04260, by  
6:00 p.m., Monday, June 17, 2024**

**Bids will be opened at the Regular Selectmen’s Meeting  
7:00 p.m., Monday, June 17, 2024  
at the New Gloucester Meetinghouse, 389 Intervale Road, New Gloucester**

The Town reserves the right to waive or disregard any informality, irregularity or deficiency in any proposal received. The Town reserves the right to reject any or all proposals.

The winner of the accepted bid will be required to mount the unit at their local dealership in the State of Maine.

**Town of New Gloucester  
Public Works Department**

**Bid Form**

**Combination Dump Body with Sand Spreader and Plow Gear**

**Name of Company:** \_\_\_\_\_

**Address of Company:** \_\_\_\_\_

**Name of Representative:** \_\_\_\_\_

**Telephone Numbers:** \_\_\_\_\_

**Email Address:** \_\_\_\_\_

**Completion Date:** \_\_\_\_\_

**Total Bid Amount:** \_\_\_\_\_

**Any Deviations from Specifications must be listed here (use back if necessary):** \_\_\_\_\_

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