

TOWN OF HENNIKER, NEW HAMPSHIRE

18 DEPOT HILL RD • HENNIKER, NH • 03242 • (603) 428-3221 • FAX 428-4366



PLOW and WING / MULTI PURPOSE BODY

CONTAINING:

- LEGAL NOTICE OF BID
- SPECIFICATIONS
- BID FORM
- GENERAL CONDITIONS

TOWN OF HENNIKER, NH
HIGHWAY DEPARTMENT

**LEGALNOTICE
TOWN OF HENNIKER, NH
INVITATION TO BID
PLOW And WING / MULTI PURPOSE BODY February 7, 2024 @ 9:00AM**

Sealed bids for the purchase Plows / Multi Purpose Body, by the Town of Henniker, will be received at the Town Hall, Secretary's Office, 18 Depot Hill Road, Henniker, New Hampshire 03242 until 9:00AM prevailing time, on February 7, 2021, at which time they will be publicly opened.

The bid shall be submitted in a sealed envelope, addressed to the Town of Henniker, Highway Department and clearly marked in the lower left-hand corner "Plow and Truck Body". No electronic bid documents will be accepted.

The bid document will be available at the Highway Department, at 209 Ramsdell Road beginning January 22, 2024.

The Town of Henniker reserves the right to accept or reject any and all bids or any part thereof, and to waive any minor informality as it deems to be in the best interest of the Town. The Town also reserves the right to conduct reasonable negotiations with low bidders and sole bidders. Failure to submit all information may declare a bid as non-responsive and subject to disqualification.

**Superintendent of Highway
Town of Henniker, NH**

Town of Henniker, N.H. Plows and Body Bid Specifications 2021

<u>Hitch and Wing System</u>	<u>Yes</u>	<u>No</u>	<u>Deviations</u>
Hitch to be of "power tilt" design.	_____	_____	_____
The hitch shall tilt forward hydraulically to provide engine access.	_____	_____	_____
Two horizontal tubes shall extend outward to the passenger side of the chassis to serve as support for the front wing post.	_____	_____	_____
The front wing post shall be welded to the hitch.	_____	_____	_____
The front wing post shall raise the nose of the wing a minimum of 48" by use of a direct hydraulic lift.	_____	_____	_____

<u>Cable post is Unacceptable.</u>	<u>Yes</u>	<u>No</u>	<u>Deviations</u>
There will be a 30-degree wing trip block.	_____	_____	_____
The rear post shall be a Semi-Detachable, with 36" of hydraulic lift.	_____	_____	_____
The rear post shall be properly braced and attached to the chassis frame rail.	_____	_____	_____
A steel support shall tie both chassis frame rails together with the rear post.	_____	_____	_____
The rear wing post shall have a three point attachment for push arms and lift cylinder attachment.	_____	_____	_____
Push arms are adjustable in length to provide variable clearing paths.	_____	_____	_____
The bottom arm shall incorporate a compression spring to aid in protecting the wing components.	_____	_____	_____
A double acting lift cylinder shall be mounted between the arms to provide rear of wing lift.	_____	_____	_____
A 30-degree wing trip block, shall be mounted between the nose of the wing and the front post to attach the wing.	_____	_____	_____
All hitch and wing mount gear shall be sandblasted, epoxy primed and painted black.	_____	_____	_____

<u>Wing</u>	<u>Yes</u>	<u>No</u>	<u>Deviations</u>
Cutting edge length: 10'	_____	_____	_____
Overall Length: 11'	_____	_____	_____
Moldboard will be roll formed and constructed from a minimum of seven (7) gauge <i>Hi-Tensile steel</i> and reinforced with full length ribs.	_____	_____	_____
The wing shall be punched 12" on center.	_____	_____	_____
Wing shall come complete with KUPER XT Armored carbide blade, one KUPER SX carbide curb shoes and carbide moldboard shoes.	_____	_____	_____
The wing shall be sandblasted, epoxy primed, and painted black in the rear.	_____	_____	_____

<u>Plow</u>	<u>Yes</u>	<u>No</u>	<u>Deviations</u>
Shall be a Full trip hydraulic reversing plow, with a 3/16" Hi-tensile steel moldboard and a slotted canister trip mechanism.	_____	_____	_____
Cutting edge length: 11'	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

Moldboard will be roll formed and constructed from a minimum of seven (7) gauge Hi-Tensile steel and reinforced with full length ribs.	_____	_____	_____
The leading edge of the plow shall have a rubber deflector and one fluorescent wire plow guide.	_____	_____	_____
Plow shall be punched 12" on center.	_____	_____	_____
Plow shall come complete with KUPER XT Armored carbide blade, and carbide frame shoes.	_____	_____	_____
The lifting device shall be dual chain.	_____	_____	_____
Moldboard steel shall painted black on the rear side.	_____	_____	_____
Drive frame steel shall be sandblasted, primed with an epoxy primer and painted black.	_____	_____	_____

Hydraulics

Yes

No

Deviations

A Tandem gear pump with an electronic clutch keyed not splined (no exceptions), the pump shall power all hydraulic functions.	_____	_____	_____
A Seven section valve for implement and spreader functions shall be mounted behind the cab on the passenger side of the chassis.	_____	_____	_____
All implement and spreader lines shall be plumbed with stainless steel tubing and short hose whips.	_____	_____	_____
Implement controls shall be run by Dell feathered air plow/wing & body controls.	_____	_____	_____
The controls will be mounted on a pedestal in the cab with the Town's approval for location.	_____	_____	_____
Spreader system functions shall be run with a Certified Cirus EZ Spread electronic sander control. No exceptions.	_____	_____	_____
A minimum 40 gallon steel oil reservoir with return line filtration and ball valve shut off shall be mounted behind the cab on a pedestal.	_____	_____	_____
There will be a low hydraulic oil level alarm in the cab of the truck.	_____	_____	_____

Combination Spreader/Dump Body

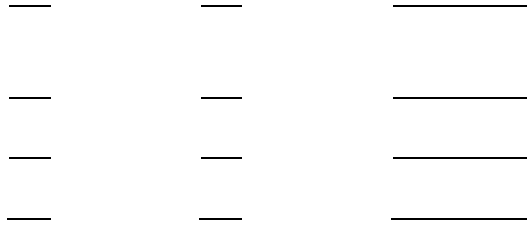
Yes

No

Deviations

Heavy duty body serving as a spreader or dump body transformed by a single wall hydraulic tilting floor.	_____	_____	_____
Inside length: 14'	_____	_____	_____
Capacity: 12.35 cu/yd to 16 cu/yd with sides	_____	_____	_____
No taller than 39" and a tail gate no taller than 52"	_____	_____	_____
Hoist cylinder; Mailhot, Single acting telescopic	_____	_____	_____
Cab shield: 24" overhang	_____	_____	_____
The entire body will be constructed from 1/4" & 3/16" Hardox 205,000 psi Hi-Tensile steel.	_____	_____	_____
<u>Standard AR400 is not acceptable, it must be Hardox 450.</u>	_____	_____	_____
The tailgate will be double acting, six panel, and constructed from 1/4" Hardox 205,000 psi steel.	_____	_____	_____
Tailgate shall be air operated and shall latch and unlatch with a double acting air cylinder. Tailgate will be equipped with locks on both sides	_____	_____	_____

The floor shall be constructed of 1/4" **Hardox**
high tensile steel with a minimum
205,000 psi tensile strength.
The sides and front will be constructed of 3/16"
Hardox with a minimum 205,000 psi steel strength.
The understructure of the body shall consist of two
10" longitudinal I-beams.



The complete body shall have a central lube kit, with all grease points brought out to the edge of the body.	_____	_____	_____
The side tilt floor shall be raised to reload the conveyor by use of two double acting cylinders. The conveyor is an integral part of the body floor and runs longitudinally down the driver's side of the body, discharging in front of the rear wheels. There shall be a ¼" Hardox 205,000 psi three section chain cover.	_____	_____	_____
The chain shall contain bar flights every link for greater strength and consistent material flow. A rear access plate with access to the conveyor chain in the rear apron.	_____	_____	_____
All chain links are protected by an integral chain guard leaving only the bar flights exposed. The chain shall be driven by a 25:1 ratio gearbox. The spinner shaft has a top mounted bi-rotational hydraulic motor to spin an 18" poly disc. The spinner assembly is chassis mounted and is both laterally and vertically adjustable and removable. A poly chute feeds the spreading disc. The chute is both adjustable and removable.	_____	_____	_____
<u>All body parts will be Primed with rust inhibiting Epoxy primer and painted with epoxy Black.</u>	_____	_____	_____
All hydraulic lines on the body will be ½" I.D. #304 stainless steel. Black iron pipe will not be accepted.	_____	_____	_____
Rear corner posts will be constructed of #201 stainless steel.	_____	_____	_____
Sideboards to be constructed of ¼ inch by 8 inches by 2 inches box tubing with welded caps on all ends	_____	_____	_____
<u>Required Options</u>	<u>Yes</u>	<u>No</u>	<u>Deviations</u>
The body shall have a fold up ladder with grip steps and a handle for 3 points of contact.	_____	_____	_____
A ¾" pintle plate shall be installed with 2 D-rings, Primed and painted A 30-ton swivel pintle hook, and an EZ connector trailer plug.	_____	_____	_____
A shovel holder shall be installed.	_____	_____	_____
Front and rear mud flaps with anti-sail brackets on the front pair.	_____	_____	_____
A body UP indicator in the cab.	_____	_____	_____
An inner body step and handle.	_____	_____	_____
A Roll Rite Electric Load cover with a Tension bar and a mesh tarp.	_____	_____	_____
<u>Lighting</u>			
Strobe system shall include <u>a mini liberty LED bar light mounted on a rack above the cab,</u>			
<u>four Heated LED</u> rear corner post mounted amber warning lights. Two facing to the rear and two to the side.	_____	_____	_____
Stop/tail/turns and back up lights will be <u>Heated LED.</u>	_____	_____	_____
Five Heated ABL LED work lights shall be supplied and installed with the Town's approval.	_____	_____	_____
The two rear facing work lights will turn on automatically when the truck is shifted into reverse.	_____	_____	_____
ABL LED heated plow lights shall be installed.	_____	_____	_____

Please state what your warranty is: _____