

Town of Poland



Plow & Sanding Equipment Request for Proposals

The Town of Poland is accepting bids for plow and sanding equipment with installation on a new 2023 or 2024 ten (10) wheeled truck chassis to be used as a plow/sander/dump truck for the next 15 years at our Public Works Department.

The enclosed bid form must be used. Companies submitting bids must submit them in sealed envelopes with **“Plow & Sanding Equipment Bid”** clearly printed on the exterior. All bids must be delivered to the town office **no later than: November 16 2023 - 11:00 AM,** at which time they will be opened and read publicly in the Town Office Conference room. The Board of Selectpersons will consider proposals on Tuesday November 21, 2023 at 7:00 PM in the Town Office conference room. Any questions regarding specifications should be directed to Adam Strout, Public Works Director @ (207) 329-9325, or astrout@polandtownoffice.org. The Town of Poland reserves the right to reject any or all bids.

TOWN OF POLAND
REQUEST FOR PROPOSALS FOR
PLOW & SANDING EQUIPMENT
BID FORM - 2023

Company: _____

Primary Contact: _____ Primary Phone: _____

Address: _____

E-Mail Address: _____

A. Please circle YES or NO on the following specifications. Any no answers must be accompanied with the spec number and the deviation or substitution:

HITCH AND WING SYSTEM:

1. Hitch to be of tilting design.	YES	NO
Hitch shall tilt forward for engine access when two top pins are removed.		

2. There shall be a double acting cylinder for plow lift.	YES	NO
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3. Three plow pin heights shall be provided.	YES	NO
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4. Two horizontal tubes shall extend outward to the passenger side of the chassis to serve as support for the front wing post.	YES	NO
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5. Front slide travel shall be actuated by a hydraulic cylinder with cable and sheath.	YES	NO
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6. The front slide will travel a minimum of 66".	YES	NO
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7. A beam shall tie both chassis tie rails together with the rear post.	YES	NO
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8. The rear wing shall have a three point attachment for top and bottom push arm and lift cylinder attachment.	YES	NO
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9. Heavy Duty Push arms are adjustable in length to provide variable clearing paths.	YES	NO
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10. Please provide diameter and thickness of push arms	_____	
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11. Lower wing arm should have a compression spring.	YES	NO
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12. A Timbren trip block shall be mounted between the nose of the wing and the front post to allow the wing to trip over road obstacles.	YES	NO
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13. All hitch and wing mount gear shall be sandblasted, epoxy primed, and painted black.	YES	NO
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WING:

14. Cutting Edge length: 10'.	YES	NO
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15. Overall Length: 11'.	YES	NO
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16. Moldboard constructed from 8 gauge high strength carbon steel. The wing shall be punched 12" on center.	YES	NO
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17. Wing shall come with standard factory edge.	YES	NO
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18. The wing shall be sandblasted , epoxy primed, and painted.	YES	NO
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HYDRAULICS:

19. Front Mounted A 10 Rexroth Load Sense Pump with an Electronic Low Oil Shut Off.	YES	NO
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20. Air Operated Valves.	YES	NO
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21. All implement, and body lines shall be plumbed with stainless steel, short hose whips, and couplers.	YES	NO
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22. Spreader functions shall be run by a Dickey John Control Point with Ground Speed Features, and Air/Pavement Temperature Gauge. Plumbed so side dump may be lifted without effecting spinner or conveyer speed	YES	NO
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23. 8 section Del Air controls to be mounted on pedestal in cab.	YES	NO
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24. Control Pattern as follows front to rear: Body- Inner Body- Plow Lift- Plow Reverse- Plow Roll- Front Wing- Rear Wing- Shelf-	YES	NO
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25. A 40-gallon minimum oil reservoir with return line filtration, shut off valve, and low oil sensor.	YES	NO
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BODY:

26. Combination Spreader/Dump Body.	YES	NO
27. Heavy Duty Body serving as Spreader or dump, transformed by a hydraulic tilting floor. Please provide degrees of inner floor tilt	<hr/>	
28. Inside Length: 13'.	YES	NO
29. List Body Side Height:	<hr/>	
30. List Tailgate Height:	<hr/>	
31. Hoist Cylinder: Single acting telescope.	YES	NO
32. Cab Shield: 24" overhang.	YES	NO
33. The Sides, Front, Tailgate, and Cab Shield must be constructed of 3/16" 304 Stainless Steel.	YES	NO
34. The Tipper Floor shall be Constructed of 1/4" Hardox 450.	YES	NO
35. Tailgate with double acting design with chains to adjust both functions.	YES	NO
36. Tailgate shall be air operated from within the cab and shall latch and unlatch with double acting air cylinder.	YES	NO
37. Remote Grease for all Grease Points on Body.	YES	NO
38. The side tilt floor shall be raised to reload the conveyor by use of two double acting cylinders.	YES	NO
39. The conveyor assembly shall be constructed of 3/16" Corten steel and run longitudinally down the driver's side of the body, discharging in front of the rear wheels. Chain and floor shall be bolted in place not welded	YES	NO
40. Longsills and Cross members may be steel.	YES	NO
41. Side Dump Hinge & Pin to be Stainless Steel.	YES	NO
42. Grease Cylinder Adjustment for Conveyor Chain.	YES	NO
43. There shall be a chain cover plate.	YES	NO
44. The chain shall contain 3/8" x 1 1/2" bar flights every other link for greater strength and more even material flow.	YES	NO

45. The chain is driven by 25:1 ratio Worm gear box.	YES	NO
46. Spinner Assembly is chassis mounted and is laterally and horizontally adjustable as well as removable.	YES	NO
47. The chute is frame mounted and both adjustable and removable. And shall also come with a completed fully functional summer chute for road shouldering or have provisions to rotate the winter chute.	YES	NO
48. A shovel holder shall be installed to the left hand side of body toward the front.	YES	NO

LIGHTING:

49. Plow lights, ABL Brand heated L.E.D, lights and Amber LEDs mounted near Plow Lights	YES	NO
50. 12 Volt, self-contained, rubber grommet mounted 2" x 6" oval, LED strobes mounted Front and sides of Headboard, LED Strobes, Stop/Tail/Turn/ Backup Lights Installed in Rear Corner Posts.	YES	NO
51. LED Wing and sander lights.	YES	NO

HITCH

52. Pintle Plate and Hook with D rings, air and electric suitable for 20 ton trailer. Truck will prepped to end of frame.	YES	NO
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CALCIUM SYSTEM:

53. 160 Gallon Poly Headboard mounted Calcium Tank Electric Calcium Pump to be controlled by the Dickey John Control Point.	YES	NO
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PLOW:

54. Plow shall be a High Speed 1 piece trip edge poly skin reversible 2 cylinder hydraulic curl. YES NO

Cylinders shall be plumbed together to operate off of 1 circuit

Please list plow make and model: _____

Cutting Edge Length: 11".

Plow shall be punched 12" on center.

The plow shall come complete with standard factory edge.

Plow shall pin to hitch on standard 30 1/2" centers.

There shall be a cable dead sheath leveling lifting device. No chain will be accepted.

Drive frame Steel shall be painted black.

C.TOTAL PRICE FOR EQUIPMENT INCLUDING INSTALLATION: _____

D. DATE AFTER AWARD DATE THAT ITEMS CAN BE READY FOR USE: _____

G.SIGNATURE OF REP COMPLETING FORM: _____

H. PRINTED NAME OF REP COMPLETING FORM: _____