

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 2019 or 2020 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: March 28, 2019 - 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, April 2, 2019 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 - 2019**

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:

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| 1. Hitch to be of tilting design.
Hitch shall tilt forward for engine access when two top pins are removed. | YES | NO |
| 2. There shall be a double acting cylinder for plow lift. | YES | NO |
| 3. Three plow pin heights shall be provided. | YES | NO |
| 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 |
| 5. Front slide travel shall be actuated by a hydraulic cylinder with cable and sheath. | YES | NO |
| 6. The front slide will travel a minimum of 66". | YES | NO |
| 7. A beam shall tie both chassis tie rails together with the rear post. | YES | NO |
| 8. The rear wing shall have a three point attachment for top and bottom push arm and lift cylinder attachment. | YES | NO |
| 9. The lift cylinder shall provide rear of wing lift and shall be supplied complete 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. | YES | NO |
| 10. Heavy Duty Push arms are adjustable in length to provide variable clearing paths. | YES | NO |

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| 11. Lower wing arm should have a compression spring. | YES | NO |
| 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 |
| 13. All hitch and wing mount gear shall be sandblasted, epoxy primed, and painted black. | YES | NO |

WING:

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

HYDRAULICS:

- | | | |
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| 19. Front Mounted A 10 Rexroth Load Sense Pump with an Electronic Low Oil Shut Off. | YES | NO |
| 20. Air Operated Valves. | YES | NO |
| 21. All implement, and body lines shall be plumbed with stainless steel, short hose whips, and couplers. | YES | NO |
| 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 |
| 23. 8 section Del Air controls to be mounted on pedestal in cab. | YES | NO |
| 24. Control Pattern as follows front to rear:
Body-
Inner Body-
Plow Lift-
Plow Reverse-
Plow Roll-
Front Wing-
Rear Wing-
Shelf- | YES | NO |

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
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27. Heavy Duty Body serving as Spreader or dump, transformed by a hydraulic tilting floor.	YES	NO
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28. Inside Length: 13'.	YES	NO
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29. Sides Height: 40".	YES	NO
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30. Tailgate Height: 55".	YES	NO
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31. Hoist Cylinder: Single acting telescope.	YES	NO
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32. Cab Shield: 24" overhang.	YES	NO
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33. The Sides, Front, Tailgate, and Cab Shield must be constructed of 3/16" 304 Stainless Steel.	YES	NO
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34. The Tipper Floor shall be Constructed of 1/4" Hardox 450.	YES	NO
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35. Tailgate with double acting design with chains to adjust both functions.	YES	NO
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36. Tailgate shall be air operated from within the cab and shall latch and unlatch with double acting air cylinder.	YES	NO
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37. Remote Grease for all Grease Points on Body.	YES	NO
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38. The side tilt floor shall be raised to reload the conveyor by use of two double acting cylinders.	YES	NO
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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.	YES	NO
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40. Longsills and Cross members may be steel.	YES	NO
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41. Side Dump Hinge & Pin to be Stainless Steel.	YES	NO
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42. Grease Cylinder Adjustment for Conveyor Chain.	YES	NO
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43. There shall be a Hardox 450 chain cover plate.	YES	NO
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| 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 summer chute for road shouldering or have provisions to rotate winter shoot. | YES | NO |
| 48. A shovel holder shall be installed to the left hand side of body toward the front. | YES | NO |

LIGHTING:

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| 49. Plow lights, Truck Light the Tough One, All-terrain lights with 4" x 6" glass Halogen bulbs 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

- | | | |
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| 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:

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

PLOW:

54. Shall be a High Speed Trip Edge reversible One Way Plow. YES NO
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 punched 12" on center.
The plow shall come complete with standard factory edge.
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 1/2" centers.
There shall be a cable dead sheath leveling lifting device. No chain will be accepted.
Should have (2) moldboard shoes.
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: _____