



State of Rhode Island
Department of Administration / Division of Purchases
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ADDENDUM #4

RFQ #7658821 TITLE: TEN WHEEL SINGLE WING PLOW TRUCKS - DOT
SUBMISSION DEADLINE: Friday November 5, 2021 at 1:00 PM

Please see the attached.

Marisa DelFarno

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Buyer II

QUESTIONS:**RIDOT 2021 V-box spreader questions:**

- 1) The spreader width is specified as 82". Would a maximum width of 84" be acceptable? **Yes, if it is even and sized correctly to the body.**
- 2) 12-gauge stainless steel is specified for the sides and ends. Is 201 stainless steel acceptable for the spreader? **Yes**
- 3) A 1 W' Drive shaft is specified. Would a 1.5" diameter drive shaft be acceptable? **Yes**
- 4) A 1 W' idler shaft is specified. Would a 1.25" diameter idler shaft be acceptable? **Yes**
- 5) Conveyor chain is specified as 1 W' x W' double welded cross bars. Is pintle chain with 1.5" wide X ¼" thick cross bars welded on the top and bottom side acceptable? **No, it must be 1.5" wide a 3/8" thick.**
- 6) A ½ x 18" rubber flap is specified. Would 2 ply ¼" thick X 24" rubber belting being acceptable? **Yes, 2ply ¼" is acceptable**
- 7) Is the ladder to be mounted on the rear curb side of the V-box material spreader or the Dump body? **It must be mounted to the Dump Body**

Dump Body Questions:

- 1) Sideboards to be 2" x 10" rough cut oak . Would 2" x 8" be acceptable? **They must be 2" x 10" rough cut oak**
- 2) Side Height 54, TG height 60". Would a 52" side height and 60" TG height be acceptable? **Yes**
- 3) Floor to be one piece with 45° ramps to the sides and front. Would a 5" radius on the sides, and a 45° ramp to the front be acceptable? **Yes, the 5" radius is acceptable**
- 4) Is the hoist to be single acting or dual acting? **Single acting**
- 5) The upper pin of the body hoist shall be easily serviceable and removable. It shall be able to be greaseable from the base of the body. Is a trunnion mounted hoist acceptable with no removable pin? Grease zerks can still be added. **Yes, with grease zerks**
- 6) Rear hinge diameter shall be a 2" minimum. Is this the pin diameter or block width? ? **Rear hinge pin diameter must be 2"**
- 7) The unit shall have air operated tailgate with dual brake chambers air tailgate latches. Is a single air chamber acceptable with a cross shaft? **Yes, a detail must be supplied with the bid**
- 8) Would 'sure step' rung material for the ladder be acceptable in lieu of grip strut? ? **A detail needs to be submitted for this request alternate.**
- 9) Please confirm that the unit is a conventional dump body and not a combination body (referenced in the specifications). However, there is no mention of conveyor or auger which leads us to believe this is a conventional dump body. Would it be possible to remove the reference to combination body for clarification? **Yes, this is a conventional dump body.**

Plow Questions:

- 1) The upper portion of the polymer sheet shall be bolt to and sandwiched between 3" x 3" x ¼" and 3-1/2" x 3-1/2" x ¼" angles. Are 4" x 2-2/1" x ¼" and 3-1/2" x 2-1/2" x 3/8" angles acceptable? **Yes**
- 2) The bottom of the moldboard shall be reinforced by not less than a 5" x 5" x ½" angle. Is 4" x 3" x ½" acceptable? **Yes**
- 3) Two (2) cast chilled malleable iron cur shoes on page 8 of 29 ana wrap around bumper on page 9 of 29. Would it be possible to provide clarification of each of these as the

specification reads like the components occupy the same space? **The curb feelers and plow shoes must be sized correctly to fit the plow. Both are required.**

- 4) Page 9 of 29 NO EXCEPTIONS: 3" diameter cylinder. Our standard cylinder is 2-1/2" diameter. Is this acceptable? **Yes**

Wing Questions:

- 1) Page 10 of 29 Front Mast: sheeve turning on a 1" cold rolled steel pin with grease fitting. Is a 7/8" pin acceptable? **Yes**
- 2) Page 10 of 29 Front Mast: 1/2" diameter fiber core (8x19 IPS) wire rope. Is 6x19 acceptable? **The 6x19 wire rope is not acceptable.**
- 3) Page 10 of 29 Front Mast: 6" outside diameter cast steel sheaves, which include bronze bushings turning on a 1-3/8" cold rolled steel pin. Is a 1-1/4" cold rolled pin acceptable? **Yes, please supply details with the bid.**
- 4) Page 10 of 29 Rear Mast: This vertical beam shall be integrally welded to and support by a horizontal fabricated channel. Is a bolt on / structural in lieu of welded / fabricated acceptable? **Yes**
- 5) Page 11 of 29 Wing: five vertical ribs from 1/2" thick plate. Is 3/8" plate acceptable? **1/2" thick plate is required.**
- 6) Page 11 of 29 Wing: four horizontal ribs also from 1/2" thick plate (2) upper and two lower; All with a series of vertically punched holes. Are two horizontal channels made from 1/2" plate and 3-1/2" x 3-1/2" x 1/2" angle with horizontally punched holes acceptable? **Yes**
- 7) Page 11 of 29 Trip Edge Springs: it shall consist of five 7/8" alloy wire torsion springs with sixteen active coils 17-3/8" long. Is fourteen 3/4" square bar active coils 13" long acceptable? **Yes, if it is part of a proven design for heavy municipal applications. A detail must be submitted with the bid.**
- 8) Page 11 of 29 Trip Edge Springs: it shall have two hinge rods made from 1/2" HR steel which slide through the springs. Is one 1-7/8" x .25 wall mechanical tube acceptable? **Yes, if it is part of a proven design for heavy municipal applications. A detail must be submitted with the bid.**

Does the R I DOT require the CARB Idle compliance low NOx idle engine that complies with California clean air regulations? **No**

RIDOT 2021 V-box spreader question:

- 1) In the Addendum 201SS was said to be acceptable, but it had a note for 4% nickel content. Would RIDOT accept a nickel content of 3.5%? **if 201SS is used it must have a minimum nickel content of 4%.**

Wing question:

- 1) The specification calls for a Hydraulic Rear and Cable Front Mast. Would RIDOT prefer a 60" Hydraulic Front Mast over the cable? **A Hydraulic Front Mast is acceptable as long as it achieves the minimum bench height.**

Page 12 of 30 HYDRAULIC PUMP AND POWER TAKE-OFF:**Add:**

Controls shall be provided, in the cab, to engage/disengage the hydraulic flow from the pump to the Central Hydraulic system while maintaining lubrication to the pump

Page 19 of 30 TRANSMISSION AND EQUIPMENT/DRIVELINES**Add:**

All metal lines that supply coolant to the transmission must be stainless-steel.

Page 22 of 30 LAPTOP/DIAGNOSTIC TOOL**Remove:**

One (1) Panasonic "Toughbook" lap-top/tablet computer, Windows 10 (latest version) compatible shall be provided with the capability to interface with the vehicle.

It Shall include JPRO Professional with Fault Guidance and NextStep Repair Diagnostic Toolbox (Product ID# 264425) with a paid 5 years of annual subscription renewals.

Chassis manufacturer's diagnostic software shall also be loaded in computer and licensed to the Rhode Island Department of Transportation. Electronic media shall include annual subscription renewals for five (5) year. Electronic media shall be capable of being moved to new computer or reloaded in the event of hard drive crash without additional charges. An example of the Chassis manufacturer's software required would be Cummins Insite Lite, Navistar Engine Diagnostics (NEDS) Software, Navistar Diamond Logic Builder (DLB), Mack/Volvo PTT, Allison Transmission DOC Premium, Meritor WABCO TOOLBOX™ or approved equal.

Replace:

One (1) Panasonic "Toughbook" lap-top loaded with the Manufacturers latest diagnostic software and licensed to the Rhode Island Department of Transportation. Diagnostic programs shall include Manufacturers specific chassis, emissions, engine, brake system, and transmission system diagnostic software. All software shall come with an activation period of 5 years or 5 yearly renewals. All necessary interfaces and cables required to connect to the vehicle must also be included. Each software package must include the following; the ability to review wiring schematics, diagnostic trees, repair procedures, and exploded diagrams.

An example of the Chassis manufacturer's software required would be Cummins Insite, Navistar Engine Diagnostics (NEDS) Software, Mack/Volvo PTT, Allison Transmission DOC Premium, Meritor WABCO TOOLBOX™ or approved equal

Reminders:

Page 2 of 30 General Scope of Work: Manufacture cut sheets and dimensioned line drawings for the proposed body, plow components, and enclosures shall be submitted with the bid package. The details for the hydraulic system shall be submitted to demonstrate that it has been sized properly.

Page 2 of 30 General Scope of Work: Any manufacture's deviation from the specification, no matter how minor, shall be noted on a separate sheet and be referenced to the section. The deviation shall be explained in detail and identified as an Exception, Clarification or Enhancement. Any "or equal" or "equivalent" items for brand specified components shall be listed with the bid package. Complete description and literature on the "or equal" components shall be supplied for consideration by the RIDOT. The burden of proof regarding "or equal" items will be upon the vendor. Responses that do not include an Exception, Clarification or Enhancement sheet on the bidder's letterhead shall be determined to be non-responsive.

Page 3 of 30 General Scope of Work: It is expected that chassis providers and respective up-fitting/body builders communicate and understand the coordination that is required for this build.

Page 26 of 30 CONCLUDING STATEMENTS: Note: All bid packages shall be submitted in duplicate including all cover sheets, responses and supporting documentation.