

STATE OF NEW HAMPSHIRE
BUREAU OF PURCHASE AND PROPERTY
STATE HOUSE ANNEX
25 CAPITOL STREET
CONCORD, NEW HAMPSHIRE 03301-6398

ADDENDUM # 2 TO BID INVITATION # 176-16

DATE OF BID OPENING: APRIL 19, 2016

TIME OF BID OPENING: 2:00 PM (EST)

FOR: TRACTOR WITH ATTACHMENTS

DATE POSTED: APRIL 15, 2016

CURRENTLY READS:

<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>UNIT COST</u>	<u>COST</u>
1	Ea	New, current model year 4WD, 95-HP Tractor with Mid Mounted 20 foot minimum reach boom mower Per NH D.O.T Specifications dated 3/11/2016 (See <i>Minimum Specifications below</i>)	\$_____	\$_____

Total Order \$_____

Mfg/Make/Model: _____

CHANGE TO READ:

<u>QTY</u>	<u>UNIT</u>	<u>DESCRIPTION</u>	<u>UNIT COST</u>	<u>COST</u>
5	Ea	New, current model year 4WD, 114-HP Tractor with Mid Mounted 20 foot minimum reach boom mower Per NH D.O.T Specifications dated 4/13/2016 (See <i>Minimum Specifications below</i>)	\$_____	\$_____

Total Order \$_____

Mfg/Make/Model: _____

ADD:

Remove the previous Specifications and replace with the following:

MINIMUM SPECIFICATIONS

Mid Mount Boom Mower with Minimum 20 foot Reach

General: Specifications are to describe a hydraulic driven, 50 inch rotary boom mower, mid mount with minimum 20 foot reach with rear transport cradle and in cab cable controls. This should be a production model not modified for bid purposes.

Paint: All paint shall be lead free and manufactures standard color; please see attached paint specs for clarification.

Main frame: Shall be connected under the tractor, structurally to the tractor, braced to absorb side torque and impact of severe application and no over the hood braces that could impair vision.

Primary Boom: 70,000 PSI 8 inch x 6 inch structural tube, reinforced with 50,000 PSI steel at all stress points. Inner end of primary boom shall have a 1 and ½ inch diameter, 105,800 PSI yield, hardened, nitride surface pin, with a high strength, Teflon, composite reinforced bearing. Movement shall be 20 degrees forward and 92 degrees backward. Lift cylinders are double acting. All pistons shall have limited relief protection. All cylinders must have replaceable and grease able ends.

Secondary Boom: 50,000 PSI 6 inch x 4 inch steel tube reinforced at all stress points. Cylinders should be welded, double acting and mounted to the top of the boom. All cylinders must have replaceable and grease able ends.

Cutting Head: Shall have a minimum of a 50 inch actual cut. 1/8 inch thick steel top, ¼ inch thick steel sides, all continuous welded for strength. Have replaceable full length, abrasion resistant, side shoes. Rubber safety shield mounted on rear of deck. Front safety shield to be hydraulically controlled from the operator's seat. Head shall rotate 180 degrees around outer boom. Head shall weigh no less than 815 pounds.

Knife Carrier: Shall be one piece, laser cut, recessed center disc, diameter of 31 inches. Dynamically balanced. Attached with 6- 5/8 inch x 1 ¾ inch, grade 8 bolts. Shall accommodate 2, 3, 4 or 6, 5/8 inch, 360 degree swinging, single edge, brush blades. Blades are attached with 1 1/8 inch x 3 ¼ inch keyed bolt and hex lock nut. Seven second brake valve on cutting assembly.

Control Valves: Valve with tapered metered spools, mounted not to obstruct operator's vision. Standard cable controls.

Counterweight: Counterweight, total ballast weight, (wheel weight and calcium chloride solution) shall exceed 2080 pounds. Wheel weight shall be cast steel.

Stow system: Single Point mounted boom stow system attached directly to the tractor and shall not interfere with the operation of the 3 point hitch.

Boom Dimensions: Minimum Reach out is 20 feet. Minimum reach down is 11 feet. Minimum reach up is 16 feet.

Warranty: Standard Manufacturers Warranty for Mower. Service tech for both Tractor and Mower

shall be in the New England area.

Manuals: Two (2) sets of operators, parts and service manuals for the mower supplied at time of delivery.

Training: 4 hours of training on operation and service of the mower, schedule and location shall be determined by the State.

Revised 4-13-2016

New 4WD 114 HP Tractor with Mid-Mount Boom Mower

GENERAL:

This specification is for a New 4WD 114-HP Tractor with Mid Mounted 20 foot minimum reach Boom Mower.

The unit shall be the latest current manufacturer's model, complete with all standard and specified equipment, tools, and warranties. Bidders shall submit current printed literature and detailed specifications for equipment to be furnished.

The bidder's attention is directed to the specification for lead-free paint, included separately. Bidders are advised that all aspects of this paint specification must be met prior to acceptance of the equipment, including the submission of laboratory test results and a certificate of conformance. Failure to comply with this specification in its entirety may result in cancellation of the order.

Equipment shall be new, shall not be used, rebuilt, or refurbished, and shall not have been used as demonstration.

Equipment must meet all federal and state equipment and safety requirements. All equipment shall be equipped with manufacturer's standard features, unless otherwise specified. Do not use fleet specifications for manufacturer's standard features.

A Safety Data Sheet (SDS) shall be furnished for each applicable material and fluid prior to, or at the time of, delivery. Failure to comply with this requirement will delay acceptance.

Certificate of Origin is required upon delivery.

Any exception(s) shall be noted on a separate sheet and identified by reference to the applicable section(s).

Completed units shall be delivered with all equipment in place, cleaned, lubricated, serviced, and ready for operation to: NHDOT Bureau of Mechanical Services, 33 Smokey Bear Boulevard, Concord, New Hampshire 03301. Advance notice for delivery is required. Contact Jim Lamora or Jared Cloutier at (603) 271-3721.

Upon delivery, a product inspection will be performed to ensure that all specifications and requirements have been met. NHDOT will submit any and all discrepancies to the bidder. If the

discrepancies cannot be rectified within 14 calendar days of notification, the order may be cancelled. A signed copy of the dealer pre-delivery service check sheet and certificate of origin must accompany each unit.

Engine: Minimum 114 HP, with 92 PTO HP at rated engine RPM, EPA Tier IV Final Emission Certified with DPF and SCR. Minimum displacement, 230 cubic inch, diesel engine.

Transmission: 24 Forward, 24 Reverse with Hydraulic Shuttle

Battery: 12 volt, minimum 900 CCA Battery

Axles: Planetary final Drives in front axle, electro hydraulic engagement with limited slip front axle.

PTO: 540/1000 RPM, fully independent, electro hydraulic engagement.

Hydraulics, Hitch and Drawbar: Category II 3 point hitch, Electronic Position Draft and Mix Control, Remote Hydraulics, Stabilizers, Telescoping lower links, HD drawbar.

Steering: Hydrostatic Power Steering

Electrical: 12 Volt, 2 Halogen headlamps, 2 front and 2 rear Halogen work lamps, 4 hazard flasher lights and Turn signals. Cab mounted strobe light or 2 front and 2 rear Amber LED strobes with switch mounted in cab.

Safety: Parking Lock, PTO shield, Safety Start system, Electronic Shut off, SMV Emblem.

Cab and Operators Area: Factory Installed fully enclosed cab, ROPS certified, Tinted Glass, Deluxe Air or Hydraulic ride seat and retractable seat belt, Horn, Steps on Left and Right Sides, Tilt steering wheel, Dual level Air Conditioning and heater, Dome light, Polycarbonate protective side window installed, Front and Rear Wipers, Left and Right Side Mirrors, Rear view mirror.

Weight: Minimum shipping weight of 10,000 pounds

Paint: Shall be lead free and the standard manufacturers color, Please see attachment.

Preparation and Delivery: Equipment to be delivered ready for immediate use serviced and lubricated. Two (2) complete sets of operator, parts and service manuals, three (3) sets of keys, SDS sheets as applicable and Certificate of Origin shall be provided for each unit. The successful bidder will furnish at no additional charge a qualified representative to instruct Department personnel in the operation and preventative maintenance of the equipment, at or near the time of point of delivery.

Warranty: Extended Warranty to cover both Tractor and Mower for parts and labor shall be included.

Paint and Primer Coatings

This specification is for paint and primer (coating supplies) provided to NHDOT and for primer and paint coatings utilized on equipment supplied to NHDOT.

All coating supplies and coatings utilized on equipment surfaces that are normally primed and painted shall be suitable for severe exposure to road salt and abrasion. Coatings shall conform to all applicable federal and state regulations and criteria pertaining to chemical and VOC content.

Coatings containing any compound that would render the waste paint, in its dried form, a hazardous waste per NH Code of Administrative Rules Chapter Env-Hw 400 are prohibited. This includes, but is not limited to, RCRA listed metals (e.g., Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Silver, Selenium) other than naturally occurring trace amounts associated with the coating pigments. The intent of this specification is to obtain or utilize paint such that any concentration of these metals shall not produce a TCLP test result that would fail NH DES toxicity characteristic standards and will meet the latest governing regulatory criteria.

Coatings shall not contain hexavalent chromium or cadmium. For the purposes of this specification, a coating product "contains hexavalent chromium or cadmium" if hexavalent chromium or cadmium was introduced as a pigment or as an agent to impart any property or characteristic to the coating during manufacturing, distribution, or use of the applicable coating. Coatings supplied shall not contain a total VOC content greater than 2.8 lbs/gal (340 g/l).

A written certificate of conformance to these specifications shall be submitted to NHDOT, for coatings utilized on equipment supplied to NHDOT, indicating these compounds do not exceed Toxicity Characteristics of NH Code of Administrative Rules Env-Hw 403.06, Table 4.9, and Regulatory Limits. Material Safety Data Sheets are not sufficient documentation of conformance. Laboratory test results must be supplied with the written certificate. The following test methods are incorporated by reference herein, and shall be used to test coatings.

1. American Society for Testing and Materials (ASTM) Method D3335-85a (1999), Standard Test Method for Low Concentrations of Lead, Cadmium, and Cobalt in paint by Atomic Absorption Spectroscopy.
2. American Society for Testing and Materials (ASTM) Method D3718-85a (1999), Standard Test Method for Low Concentrations of Chromium in paint by Atomic Absorption Spectroscopy.
3. EPA Test Method 1311 – TCLP Toxicity Characteristic Leaching Procedure.
4. Latest version of EPA Test Methods 3010/6010 (as referenced on the EPA web-page for test methods)
5. Alternative methods which are shown to accurately determine the concentration of hexavalent chromium or cadmium compounds in a subject coating product or its emissions may be used upon written approval.

The coatings also shall meet the following criteria:
Solids Content

- % By Volume 45- 60
- % By Weight 55 –70

- Recommended Dry Film Thickness 1 – 2 ml (Bulk Orders Only)
- Wet Film Thickness to Achieve 2 ½ - 4 ½ ml (Bulk Orders Only)
- Practical Coverage at DFT 325 – 650 sq. ft.
- Dry Time (70 – 80° F and 50% humidity)
 - Tack Free 4 – 6 hours
 - Handle 12 – 16 hours
 - Recoat 24 hour

Please include, paint manufacturer, paint color, part number and description of each color used on the equipment.

PAINT SPECIFICATION COMPLIANCE:

The successful vendor shall be required to submit written certificates including lab results within 14 calendar days after notification that they are the apparent low bidder.

We will need a letter from the vendor indicating the test result provided is for a sample of the paints to be used on the equipment to be provided. The letter shall specifically reference paint manufacturer name, trade name(s)/product ID Number. Also, the letter is to indicate that the paint is the only color used on the chassis, frame, and body. If there is more than one color, additional test results for the other colors will be required.

SUBMIT TO: NH DEPARTMENT OF ADMINISTRATIVE SERVICES
BUREAU OF PURCHASE AND PROPERTY
STATE HOUSE ANNEX
25 CAPITOL STREET, ROOM 102
CONCORD NH 03301
ATTN: KATIE DALEY
PHONE: 603-271-3135
E-MAIL: kathleen.daley@nh.gov

KATHLEEN.DALEY@NH.GOV

Unless otherwise specified by the Bureau of Purchase and Property in this bid invitation document, all equipment offered by the Vendor must be new (and of the current model year, if applicable); shall not be

used, rebuilt, refurbished; shall not have been used as demonstration equipment, and shall not have been placed anywhere for evaluation purposes.

PURCHASING AGENT: Katie Daley
TEL. NO.: (603) 271-3135

NOTE: IN THE EVENT THAT YOUR BID INVITATION HAS BEEN SENT TO THIS OFFICE PRIOR TO RECEIVING THIS ADDENDUM, RETURN ADDENDUM WITHIN THE SPECIFIED TIME WITH ANY CHANGES YOU MAY WISH TO MAKE AND MARK ON THE REMITTANCE ENVELOPE BID INVITATION NUMBER AND OPENING DATE. RETURNED ADDENDA WILL SUPERSEDE PREVIOUSLY SUBMITTED BID.

BIDDER _____ ADDRESS _____

BY _____
(this document must be signed)

_____ TEL. NO. _____ (please type or print name)