



TOWN OF MEREDITH

Administrative Services

41 Main Street, Meredith, New Hampshire 03253

Telephone (603) 279-4538 ♦ Fax (603) 279-1042

RFP 2014 - Sidewalk Tractor

I. General Information:

- A. The Town of Meredith is accepting sealed requests for proposals for a Sidewalk Snow Removal and Sweeping Tractor. Proposal specifications may be obtained at Town Hall, 41 Main Street, Meredith, NH 03253.
- B. Questions about submitting the sealed bid and the bid process should be directed to Brenda Vittner, Administrative Services Director at the Town Hall at 677-4208.
- C. Proposal Submission Requirements:
 1. Must submit proposal in a sealed envelope clearly marked "RFP 2014 - SIDEWALK TRACTOR".
 2. Sealed Bid must be submitted to the Administrative Services Director, Brenda Vittner, at Town Hall, 41 Main Street, Meredith, NH by 2:00 pm on Friday, October 3, 2014.
 3. Bids will be opened at 2:00 pm on Friday, October 3, 2014.
 4. The Town reserves the right to accept or reject any and all proposals and to accept the proposal which best serves the interest of the Town of Meredith.
 5. Any proposals received after 1:00 pm on Friday, October 3, 2014 will not be accepted.

II. Minimum Specifications/Payment:

- A. **Specifications:** The Town of Meredith is accepting sealed price proposals for a Sidewalk Tractor to be used for sidewalk plowing, mowing and sweeping. Complete Machine Specifications pages 1-5 are attached.
- B. **Additional Specifications:**
 1. The complete price of the new tractor, all shipping, handling or freight charges, and labor for the complete delivery to our highway garage at 11 Jenness Hill Road in Meredith, NH.
 2. Full set of service manuals included with machine
 3. Five (5) year/5,000 hour warranty on entire machine
 4. Set of pallet forks
 5. The town will consider a demo machine with under 60 hours.
- C. **Stainless Steel, Rear Mount Drop Sander:**
 1. Rear mount, drop style sander constructed with a stainless steel hopper, having not less than 1/2 yard struck capacity.
 2. Spreader shall be approximately 44" in width and be mounted on a "Swing Gate" mount, which allows for opening of hood with removal of two (2) pins.
 3. Bottom drop roller shall be hydraulically driven.
 4. Upper agitator shall operate from hydraulic drive of top roller.
 5. Top screen shall be mounted in hopper to prevent oversize or frozen material from entering hopper area.
 6. Speed control shall be included and an on/off control within cab.
 7. Rear lights to be included with spreader and an exhaust elbow to be mounted for machine exhaust.
- D. **Payment for Services:** A purchase order will be issued to the company/contractor with the winning proposal. The Contractor will receive payment within thirty (30) days from date of invoice, provided machine is delivered and accepted as satisfactory. The Contractor shall submit one complete invoice after delivery is complete, that will indicate:
 - Town of Meredith Purchase Order number
 - The date of delivery.
 - Model number and description of tractor
 - Separate cost of the equipment and the cost of freight or other charges

Specifications: General

1. It is the intent of these specifications to describe an all-wheel drive, articulated steering, multi-purpose vehicle capable of snow and ice removal during the winter months and other applications during the spring, summer and fall.
2. Vendor shall acknowledge whether they do or do not meet the minimum requirements as put forth by the Town.
3. Any deviation shall be noted in writing. Failure to do so may be just cause for rejection of vendor's bid.
4. Comments such as "see literature" may also be just cause for rejection of vendor's bid.
5. Literature or detailed specifications must be provided with vendor's bid

Specifications: Sidewalk Snow Removal Machine.

Engine:

Specifications	Yes	No	Deviations
Four cylinder, water cooled diesel engine			
Engine shall be rated for not less than a maximum of 50 HP with a governed maximum output of not less than 47.8 HP @ 2600 RPM's			
Fuel tank capacity shall be not less than 14 gallons			
Remote Fuel/water separator with drain to be installed			
Hood shall provide full cover for engine, but must be easy opening allowing for full access to engine for daily maintenance checks			
12 V - alternator with a minimum of 65 amp output to be std			
Two stage dry type air filter with indicator to be standard			
Full flow, screw on type engine oil filter shall be standard			

Transmission:

Specifications	Yes	No	Deviations
Hydrostatic, two (2) speed transmission with a left side brake-inching pedal to be standard			
Right hand foot pedal shall govern normal speed with a left hand brake-inching pedal as standard			
"Ground speed option" shall be included which shall allow the operator to maintain maximum efficiency of the attachment while maintaining a pre-determined travel speed, without the operator have to adjust foot pedals. Please Describe:			

Differential Lock:

Specifications	Yes	No	Deviations
100% on demand differential lock for both the front and rear axles shall be standard. This shall be a momentary type activated by the operator engaging the differential lock button on the operating joystick.			

Steering:

Specifications	Yes	No	Deviations
Articulated steering with automotive type steering wheel.			
Articulation angle must be 45 degrees left as well as right			
Machine must oscillate not less than 12 degrees at the central pivot/articulation point.			

Brakes:

Specifications	Yes	No	Deviations
Dynamic hydrostatic braking shall be the primary brake mechanism			
Drum style brake shall be activated by the "Brake-Inch" pedal			
Brake-inch system shall first by-pass the hydrostatic drive of the more it is applied than it shall engage the drum style brake system acting on all four wheels.			
Parking brake must lock out ability to engage the drive on the unit both electronically and through the drum bake system.			

Axles:

Specifications	Yes	No	Deviations
Axles shall be identical with outboard planetary design such as from "ZF" or approved equal			
Minimum load rating per axle shall be not less than 6,053 lbs.			
Axles shall not oscillate, BUT move with the front or rear carriage through the center oscillation/articulation point.			

Hydraulics:

Specifications	Yes	No	Deviations
Auxiliary hydraulics shall be capable of a minimum flow rating of 0 to 16.5 GPM with working pressure of 3,045 psi.			
Hydraulic reservoir must be no less than 7.9 gallons.			
Reservoir shall be equipped with an in-tank filter on the return and the fill cap to be equipped with dipstick or approved equal.			
Auxiliary hydraulics must be capable of operating off of a two-way lever with a detent position for constant flow as well as the control buttons located on the joystick controller.			
Auxiliary hydraulics must be able to be run "hands free" by use of detent lever and joystick controller			
Hydraulic lift capacity shall be a least 7,259 lbs.			

Controls:

Specifications	Yes	No	Deviations
Must have an ergonomically designed joystick with forward-neutral-reverse on joystick.			
Joystick must also have a high/low speed selection button, differential lock demand button and the 2-way auxiliary hydraulics to be controlled from control buttons on joystick.			
Joystick must have the ability to provide "flotation" to the implement mounted in the front			
Separate auxiliary hydraulic control lever shall be located next to the operating joystick with detent on pressure side of the hydraulics.			

Lighting:

Specifications	Yes	No	Deviations
Machine to be equipped with full road lighting including but not limited to turn signals and headlights with high/low beams.			
Rear lighting to include stop-turn and tail lights with brake lights and running lights.			
Two forward and two rearward- cab mounted work lights.			
A front mounted and a rear mounted LED safety light bar shall be included for machine protection.			
Interior dome light must be included.			

Attachment Mounting:

Specifications	Yes	No	Deviations
"Monoblock" style mounting assembly shall allow for complete hook- up of the winter attachments as well as providing the hydraulic quick coupler hook-ups for those attachments.			
"Monoblock" shall be mounted on the front half of the vehicle, directly over the front axle.			
"Monoblock" assembly shall provide not less than 1,800 lbs. of weigh directly over front axle for more stability and greater traction when plowing heavier materials.			
"Monoblock" assembly shall be constructed from one entire sheet of 1" thick steel with min. 3" x 6" x 12" fenders.			
"Monoblock" shall have pin style couplers with lock mechanism for positive connection of front attachments.			
"Monoblock" shall be equipped with mounted-replaceable hydraulic hoses and fittings to allow for ease of switching from "Monoblock" to linkage lift arms. Please state.			
Hydraulic couplers must be flat faced "dripleless" style to allow for proper hookup of front mounted attachments			

Tires and Rims:

Specifications	Yes	No	Deviations
Winter style tires shall be 10 x 16.5 - min. 8 PR rated tires with 6 bolt rims providing an overall width of not greater than 48".			
Year round tires shall be not less than 31 x 15.5 - 15 - min. 8 PR tires with 6 bolt rims providing an overall width of max. 53".			
Front winter tires must be foamed filled.			
All winters tires shall have easily replaceable carbide studs - not less than 60 per tire in a symmetrical pattern.			

Operator Station:

Specifications	Yes	No	Deviations
Fully enclosed ROPS-FOPS and TOPS certified cab with clear views of all working areas and exterior mounted mirrors.			
Two (2) full length, full opening doors (RH & LH) that are equipped with full glass. These doors allow for entry of cab from either side.			
Doors must lock open at 2 stages with the maximum opening being 180 degrees from closed.			
Cab to have heater/defroster/air conditioning, front and rear wipers and washers, multi adjustable seat for weight and height to be standard.			
Infinitely adjustable steering column to be included.			
AM/FM radio to be installed			
Front console must have engine temperature gauge, hour meter, tachometer and fuel gauge with standard warning lights for machine malfunctions.			

Dimensions:

Specifications	Yes	No	Deviations
Overall length for winter shall not exceed 10' 4" without attachments mounted on unit.			
Machine for winter use shall not exceed 48" and with the 31 x 15.5 – 15 tires on the machine it shall not exceed 53".			
Overall height shall not be greater than 89" to top of cab.			

Year-Round Lift Linkage:

Specifications	Yes	No	Deviations
Machine shall have ability to easily convert from the "Monoblock" winter attachment system to a year round lift linkage. Please state how to change over system:			
Lift linkage shall have a universal flat faced plate with universal skid steer style hookup for coupling attachments.			
Lift arm linkage must have a parallel/Z Bar combination lift linkage providing not less than 126" of lift height to bucket pivot pins.			
Permanent mounted - replaceable hydraulic hoses and fittings shall be installed on lift linkage to allow for ease of switching from "Monoblock" to lift linkage system. Please state:			
Lift linkage to provide not less than 9,080 lbs. of break out force with the standard 54" bucket.			
Standard 54" bucket with bolt-on-edge and capacity of not less than 0.50 yards to be included with linkage.			
Tipping load capacity with a bucket straight shall be not less than 4,435 lbs. and 3,648 lbs. when articulated to the max.			
Safe working capacity shall be 60% of tipping capacity. Straight is 2,660 lbs. and 2,188 lbs. when fully articulated.			

Serviceability:

Specifications	Yes	No	Deviations
Engine compartment must open 90 degrees, even with rear mount sander mounted, for ease of daily maintenance.			
Operator platform shall side tilt with the removal of not more than two (2) bolts, to allow for complete access to engine and drive train for major maintenance/repairs.			
Simplistic LED Diagnostic Box shall be standard.			

Paint:

Specifications	Yes	No	Deviations
Cleaned, Prepped and finished with standard manufacturer's powder coat paint.			

Warranty:

Specifications	Yes	No	Deviations
2 years or 2,000 hours - whichever expires first.			

Other:

Specifications	Yes	No	Deviations
Vendor shall provide a bid for a new vehicle with attachments.			
Town may consider as an option a "demonstrator" vehicle with less than 60 hours on it.			
If Town elects to purchase a "Demo" vehicle, the vehicle shall be provided with the same warranty as a new vehicle.			

Attachments – Reversing Snowplow:

Specifications	Yes	No	Deviations
60" wide x 30" tall-minimum, extreme duty reversing snowplow with two pin receiver system to mate to "Monoblock" mounting system on prime mover.			
Moldboard must be brake formed for maximum efficiency.			
Adjustable stand to maintain level driveframe for hook/unhook.			
Trip style cutting edge with two (2) vertical spring assemblies.			
Hydraulic 35 degree angle either direction with a cross-over relief protection valve system to be included			
Adjustable skid shoes and a 1/2" x 60" x 6" reversible, replaceable bolt on cutting edge.			
Hydraulic hose kit with quick couplers to be included.			

Attachments – 48” Hydraulic Snowblower:

Specifications	Yes	No	Deviations
Two-Stage, 48" wide hydraulic operated snow blower operated from joystick controls in-cab of machine.			
Must have a two pin receiver system to mate to "Monoblock" mounting system on prime mover.			
Chute rotation and capper control shall be hydraulic motor controlled from joystick controller inside cab of prime mover.			
Single hydraulically driven, minimum 16" diameter- open flight style auger with shear pin protection to be standard. Please state:			
Single hydraulically driven, minimum 21" diameter, open fan impeller with not less than 4 H.D. cupped style impeller blades to be standard -Please state:			

Attachments – Hydraulic Operated Broom:

Specifications	Yes	No	Deviations
60" wide, hydraulic angling windrow style broom.			
Must have quick attach system to hookup to sidewalk vehicle.			
Broom shall be 60" wide x 32" dia., wafer style broom.			
Broom shall be hydraulic driven from auxiliary hydraulics on sidewalk vehicle with a single hydraulic motor.			
Hydraulic quick disconnects to match sidewalk vehicle shall be installed on broom.			
Hydraulic angling shall be from cab of vehicle via auxiliary control buttons on joystick controller.			
25 gallon sprinkler system water tank shall be mounted on the broom drive frame and hood with reinforced mounting brackets.			
Spray with nozzles shall be installed across the front of the broom hood cover.			
Water pump shall also be installed on or in the vicinity of the water tank system.			
Control for the pump shall be electrically controlled from the inside of the vehicle's cab.			

Options: List Other Attachments:

List Attachment Options	Amount



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BIDDER'S RESPONSE SHEET

RFP 2014 Sidewalk Tractor

Price Proposal

Sidewalk Tractor with Warranty	\$ _____
Freight and Shipping	\$ _____
Other Costs	\$ _____
Total Proposed Price:	\$ _____

Bidding Company's Information

Bidder's Name:

Bidder's Address:

Telephone #'s: Business: _____ Emergency: _____

Fax: _____ E-Mail: _____

By: _____

(This must be signed by a person authorized to legally obligate the bidder.)

Type or Print Name of Above Signature:
