



CITY OF MANCHESTER
Public Works Department
Purchasing Division

475 Valley Street, Manchester NH 03103
(603) 624-6444

BID INVITATION

Sealed bids will be received at the Public Works Department, 475 Valley Street, Manchester, New Hampshire, before or at **2:30 PM** prevailing time of the **18th** day of November, **2016** for the following items:

Trackless Sidewalk Tractor **FY17 – 230 - 25**

Bid Invitations and specifications will be available at the Public Works Department, 475 Valley Street, Manchester, NH or online at:

<http://www.manchesternh.gov/bids>

Questions regarding this request should be directed to Mrs. Mindy Salomone-Abood, Purchasing Agent via email at Purchasing@manchesternh.gov.

The Public Works Director reserves the right to waive any irregularities, reject any or all bids, and to accept the bid that appears to be in the best interest of the City. Failure to submit all information called for may be sufficient for disqualification.

Kevin A. Sheppard, P.E.
Public Works Director

GENERAL:

1. Bids will be received by the City of Manchester, New Hampshire at the place and until the time specified in the Invitation to Bid and then publicly read aloud for the information of Bidders and others properly interested who may be present either in person or by representative. **NO BIDS WILL BE ACCEPTED AFTER TIME AND DATE SPECIFIED.**
2. The following meanings are attached to the defined works when used in this document:
 - a. The word "**City**" means City of Manchester, New Hampshire.
 - b. The word "**Bidder**" means the person, firm, or corporation submitting a bid on these specifications or any part thereof.
 - c. The word "**Contractor**" means the person, firm, or corporation with whom the Contract is being made by carrying out the provisions of this Sealed Bid Invitation and the Contract.
 - d. The words "**firm price**" shall mean a guarantee against price increase during the life of the Contract.
3. Strict compliance with the requirements of the Invitation to Bid, terms and conditions, and the instructions printed is necessary. All blank spaces must be filled in. Any changes and/or corrections shall be marked in red and initialed by the person making such corrections. Signatures of the responsible owner/representative of the firm must be in ink. No reproductions/duplications/copies will be accepted.
4. Each bid must give the full business address of Bidder and be signed by him with his usual signature. Bids by partnerships must furnish the full names of all partners and must be signed with the partnership name by one of the members of the partnership or by an authorized representative, followed by the signature and title of the person signing. Bids by corporations must be signed with the legal name of the corporation, followed by the state of incorporation and by the signature and title of president, secretary, or other person authorized to bind it in the matter. The name of each person signing shall also be typed or printed below the signature. A bid by a person who affixes to his signature the word "president", "secretary", "agent", or other title without disclosing his principal may be held to be the bid of the individual signing. When requested by the City, satisfactory evidence of the authority of the officer signing on behalf of the corporation shall be furnished.

5. Bids must be securely sealed in a suitable envelope (facsimile and emailed submissions will not be accepted), name of vendor written in the top left corner of envelope, addressed and marked on the outside as follows:

FY17-230-25, TRACTOR

The entire solicitation document is to be returned when submitting a proposal, unless otherwise directed by the solicitation document. Failure to return all pages may result in a determination that the submittal is non-responsive.

PLEASE NOTE: THE CITY OF MANCHESTER IS NOT RESPONSIBLE FOR BIDS NOT PROPERLY MARKED.

6. It will be the responsibility of the Bidder to see that their bid is received by the Purchasing Division as specified.
7. Each bid is received with the understanding that the acceptance in writing via email by the City of the Bidder to furnish any or all of the products/services described therein or as otherwise negotiated, shall constitute a contract between the Bidder (Contractor) and the City, which shall bind the Bidder (Contractor) on his part to furnish and deliver the articles offered at the prices agreed upon and in accordance with the terms and conditions of said accepted bid; and the City on its part to order from such Bidder (Contractor), except for causes beyond reasonable control; and pay for, at the agreed prices, all products/services specified and delivered.
8. Bids may be withdrawn upon written or electronic request received from Bidders prior to the time affixed for opening. Negligence on the part of the Bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.
9. The solicitation document maintained by the Purchasing Division, in the appropriate file folder, shall be considered the official copy. In the case of any inconsistency between bid documents submitted to the City, but not clearly listed on the exception page of the document or as an exception by the Bidder, the language of the official copy shall prevail. Furthermore, any exception or changes to the specifications made by the Bidder may be cause to disqualify your bid.
10. No oral interpretations will be made to any Bidder as to the meaning of the specifications or terms and conditions of this Sealed Bid Invitation. Every request for such interpretation or request for a change in the specifications or terms and conditions shall be made in writing and forwarded to:

Email: Purchasing@manchesternh.gov

Subject: Tractor

Questions must be received no later than five (5) business days prior to the opening of the bid. Questions received after that time will not be answered. Answers will be posted as an addendum to bid no later than three (3) days prior to bid opening.

Every interpretation made to a Bidder will be in the form of an addendum to the Sealed Bid Invitation which, if issued, will then be posted on the website: www.manchesternh.gov/bids All such addenda shall become a part of the complete Sealed Bid Invitation. It is the Bidder's responsibility to check the website prior to the submittal deadline to ensure that the Bidder has a complete, up-to-date bid package.

11. Bids that are incomplete, not properly endorsed or signed, or otherwise contrary to these instructions may be rejected as informal by the City. The Bid must be filled out completely and accurately. Please explain in detail any exceptions or deviations taken on this bid. Separate pages may be used if necessary.
12. Bids must be submitted on the Bid Schedule hereinafter provided. Prices shall be clearly and fully stated in units of quantities specified. No additional charges shall be passed to the City, including any applicable taxes, delivery or surcharges that have not already been disclosed on the bid schedule. In case of discrepancy in computing the amount of the bid, the unit prices quoted will govern.
13. **Quotations should include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the Bidder, prices quoted will be considered as being based on delivery to the destination designated, including any and all freight and packing charges.**
14. As the City is exempt from the payment of federal excise taxes, all prices quoted herein are not to include these taxes.
15. Prices stated shall remain **firm** for the duration of the contract.
16. Should the successful Contractor fail to make delivery or complete the contract within time specified, the City reserves the right to procure the equipment/vehicle from other sources, and hold the Contractor liable for excess cost.
17. The City reserves the right to postpone the delivery date to allow for any change in operating conditions or for any other cause not now foreseen. In the event the City elects to exercise this right, all prices quoted pursuant to this Sealed Bid Invitation will remain firm, and the City shall incur no additional obligation to the Contractor on account of any delay of delivery date ordered by the City.

18. It is agreed that deliveries and/or completion are subject to strikes, lockouts, accidents, and acts of God.
19. The City reserves the right to divert delivery from one location to another, and to allow for any change in operation conditions or for any other cause not now foreseen.
20. Any equipment/vehicle delivered must be standard new and unused, latest model, except as otherwise specifically stated in the proposal. Where any part or the normal accessories of equipment/product is not described, it shall be understood that all equipment/product and accessories that are usually provided in the manufacturer's stock model shall be furnished.
21. Unless otherwise stated by the Bidder, the proposal will be considered as being in strict accordance with the specifications outlined in this Sealed Bid Invitation. References to a particular trade name, manufacturer's catalogue, or model number, are made for descriptive purposes to guide the Bidder in interpreting the requirements of the City. They should not be construed as excluding proposals on other types of materials, equipment and supplies. However, the Bidder, if awarded a Contract, will be required to furnish the particular item referred to in the specifications or descriptions unless a departure or substitution is clearly noted and described in the proposal.
22. The apparent silence of these specifications and any supplemental specifications as to any detail or the omission from the specifications of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and correct type, size and design are to be used. All interpretations of these specifications shall be made on the basis of this statement.
23. The equipment/vehicle on which bids are submitted must be of such character, quality and/or performance equivalence that it will serve as that specified. In submitted bids on products/services other than as specified, proposer shall furnish complete data and identification with respect to the alternate products/services they propose to furnish.

Consideration will be given to bidders submitted on alternate products/services to the extent that such action is deemed to serve the best interests of the City. If the bidder does not indicate that the products/services he proposes to furnish is other than specified, it will be construed to mean that the bidder will furnish the exact products/services described.
24. The City reserves the right to waive any informality in bids, to reject any and all bids wholly or in part, and to make awards in a manner deemed in the best interest of the City.
25. Awards will be made in the best interest of the City. In determining what would be in the best interest of the City, the following shall be considered:

- a. The ability, capacity, and skill of the Bidder to perform the Contract or provide the service required;
 - b. Whether the Bidder can perform the Contract or provide the service promptly or within the time specified, without delay or interference;
 - c. The character, integrity, reputation, judgment, experience, and efficiency of the Bidder;
 - d. The quality of performance of previous contracts or services;
 - e. The previous and existing compliance by the Bidder with laws and ordinances relating to the Contract or service;
 - f. The quality, availability, and adaptability of supplies or contractual services to the particular use required;
 - g. to the "lowest responsible bidder" quoting the lowest net price in accordance with specifications;
 - h. The number or scope of conditions attached to this bid.
26. The City reserves the right to make awards on this proposal by item or to accept all or part of the proposal or prices quoted. In addition, the City reserves the right to award materials on the basis of the lowest total cost of the bid item to the City, including the City's cost of transportation to and from the source.
- In cases where two or more Bidders have the same net bid, the City may give preference to firms located within the City.
27. Upon making an award, or giving notice of intent to award, the City will place appropriate notice on the Purchasing website: www.manchesternh.gov/bids.
28. The Bidder must certify that no official or employee of the City or State of New Hampshire, has a pecuniary interest in the proposal or in the Contract that the Bidder offers to execute or in the expected profits to arise there from, and that this bid is made in good faith without fraud, collusion or in connection with any other person submitting a proposal.
29. The Bidder, if awarded an order or contract, agrees to protect, defend and hold the City harmless against any demand for the use of any patented material, process, article or device that may enter into the manufacture, construction or form a part of the work covered by either order or contract.
30. The Bidder, if awarded an order or contract, agrees to defend, indemnify, and hold harmless the City from all damages to life and property arising out of the performance of

this Contract due to the Bidder's negligence, that of his employees, subcontractors, etc., or due to the negligence of the City, its employees, representatives, agents, etc.

31. The Revised Statutes Annotated of the State of New Hampshire, the Charter of the City, and all City Ordinances insofar as they apply to the laws of competitive bidding, contracts and purchases are made a part hereof.
32. The Bidder to whom a contract is awarded guarantees to the City that all items furnished under this contract shall be free of defects in design, materials and workmanship for a period of one (1) year after final inspection and acceptance. The Contractor shall replace promptly any defective equipment, materials and/or workmanship required without additional cost to the City.
33. The Bidder to whom a contract is awarded guarantees to the City that all warrants of merchantability and fitness for a particular purpose as provided for in New Hampshire 382A-2-314 and 2-314 shall remain in force and will not be disclaimed.
34. The Bidder, if awarded an order or contract, agrees to provide to the City proof of Federal Identification Number (IRS Code Section 6723). Acceptable forms of documentation are a copy of a federal tax depository ticket, copy of IRS label showing name and Federal ID Number, IRS letter of taxpayer Identification Number assigned, other correspondence from the IRS with both individual/business name and Federal Identification or stationery/bills with Federal ID Number (and firm name and address) **PREPRINTED** on it. Any impertinent information may be blackened out before sending to the City. Copies of tax returns must show taxpayer section and signature.
35. Any vendor who receives an order or orders resulting from this invitation agrees to submit a Material Safety Data Sheet (MSDS) for each toxic or hazardous substance or mixture containing such substance pursuant to RSA 277-A when deliveries are made. The vendor agrees to deliver all containers properly labeled pursuant to RSA 277-A. Failure to submit an MSDS and/or label on each container will place the vendor in noncompliance with the purchase order. Failure to submit MSDS and/or labels on each container may result in civil or criminal penalties, including bid debarment and action to prevent the vendors furnishing substances or mixtures. Vendors are cautioned to obtain and read the law referenced above.
36. Payment Terms:
 - a. Delivery and Acceptance: Upon delivery and acceptance of the equipment/vehicle by the department to which it is assigned, the Contractor shall secure the signature of an authorized representative on an original delivery slip and shall provide two (2) copies of an invoice or bill of sale.
 - b. Payments: Payments shall be made within 15-45 days of delivery and acceptance of contracted item(s)/services or upon receipt of a verified claim for payment, whichever is later. The claim for payment consists of the original delivery slip and two (2) copies of the invoice/bill of sale executed as provided for in the

paragraph above.

- c. Payment can also be made by City departments via credit card or EFT payments. If either method is chosen by Contractor/Department, no additional charges will be assessed to the City.
37. Certificate of Origin: must be properly assigned to the:

City of Manchester
480 Hayward Street
Manchester, New Hampshire 03103

**FAILURE TO COMPLY WITH THESE REQUIREMENTS COULD RESULT IN THE
CANCELLATION OF AN ORDER OR CONTRACT**

SPECIFICATIONS

The purpose of this bid invitation is to establish a contract with a company that will furnish one (1) track less sidewalk tractor to the Central Fleet Management Department of the City of Manchester, New Hampshire.

It is the intent of these specifications/requirements to describe the City's minimum requirements for the equipment(s).

GENERAL:

Bid prices shall remain firm for the duration of the contract.

The City reserves the right to terminate the contract entered into as a result of this bid if goods and services are at any time deemed to be unsatisfactory.

The equipment(s) will have a 2016 manufacture date or current model year and shall be furnished, installed and fully operational, complete in every detail, and be of such design and construction as to meet the general and special requirements hereinafter set forth. Any parts or units not specifically mentioned, but are necessary to form a complete working unit, shall be furnished by the successful bidder.

All ratings shall conform to SAE, EPA and DOT standards. This unit will be serviced and inspected by the successful bidder prior to delivery to the City of Manchester, Department of Central Fleet Management, Manchester, New Hampshire.

"Certificate of Origin" will be provided to the City of Manchester at the time of delivery.

SERVICE REQUIREMENTS:

To insure proper service, no bid will be accepted unless the bidder owns or offers facilities within fifty (50) miles (from 480 Hayward Street, Manchester NH) where complete parts and service are available. The facility must be staffed by full time personnel who are factory trained and certified in the operation and repair of the equipment, with full authorization of the manufacturer. Bids from manufacturers who use third party service people or facilities, or who do not offer a service center will be immediately rejected. Furthermore, due to a concern over having vehicles "out-of-service" for extended periods of time as a result of having to be sent back to the original manufacturer's location for repairs, any bidder who cannot guarantee that all future repairs will be handled at a local level will not be acceptable.

DELIVERY:

The City of Manchester Central Fleet Management Department will take delivery of equipment no later than December 15, 2016. The purchase price will be reduced by \$100.00 per day for every day it is late after December 15, 2016.

PAYMENT:

Payment will be made in accordance with the City Ordinances and item 38 in the terms and conditions.

No payment will be made until “Certificate of Origin” is received.

INSPECTION:

The equipment must be inspected and approved by the Central Fleet Management Department officials prior to acceptance/payment.

EXCEPTIONS/DEVIATIONS:

Any exceptions or deviations need to be addressed in the “comment” section of the tables provided. If additional space is needed to adequately explain exception/deviation, Bidder may submit additional information on their letterhead. Exceptions/deviations that are presented on additional paperwork must be presented in the same order of the table provided. If additional paperwork is attached to bid, Bidder must place a check mark in the box on page 24.

SUBMITTAL:

Failure to submit any and all documents requested could be cause for bid to be rejected.

Bidders must submit the following:

- Manufacturer’s literature is to be provided with bid;
- Pages 10 – 24;
- Exception page if any taken.

TRACK LESS SIDEWALK TRACTOR

Four wheel drive articulating, oscillating, rubber tired, diesel powered multi-purpose tractor, designed for year round work, utilizing various attachments.	
Make	
Model	
Year	
Repair parts inventory located where	
Repair facility located where	

Mandatory Requirements

	Comply		Comments
	Yes	No	
Tractor shall be no wider than 50-1/2” including fenders and no higher than 88” to top of roof guard.			
The cab of tractor (and panels and roof)			

must be steel. Plastic, Fiberglass or any other non-metallic material will not be accepted.			
Engine shall have a displacement of no less than 4.5 LT. HP to be 74 hp or greater. The engine must be a Tier 4 final diesel not requiring the use of urea injection. Tier 3 or 4 I(interim) engines not acceptable.			
Tractor shall have sufficient hydraulic capability to power manufacturers own hydraulically driven angle sweeper, cold planer, 14 ft. wide rotary mower, etc.			
Tractor shall have a mechanically driven front PTO.			
A seat safety switch must automatically shut down PTO shaft and shut off any hydraulically powered attachment if the operator leaves the driver's seat.			
If the operator leaves the seat without placing the shifter into neutral, the engine will shut down.			
Cab must be ROPS certified and have a metal certification tag attached to the structure.			
The tractor shall have a minimum of 8 flashing amber lights mounted above the roof line, two on each side for full, unobstructed 360 degree visibility.			

Dimensions and Weight

	Comply		Comments
	Yes	No	
Dimensions are <u>not</u> to exceed the following:			
Overall Length including rear bumper – 146.5 inches			
Height to top of AC roof guard – 88 inches			
Track width with winter tires – 49.5 inches			
Overall width including fenders – 50.5 inches			
Inside turning radius – 90.0 inches			
Weight of tractor is to be no less than 6,000 lbs.			

Engine/Electrical

	Comply		Comments
	Yes	No	
Engine must be programmed for anti-idle which shuts off the engine automatically after a specified period of time, once the engine has reached operating temperature.			
Engine shall be water cooled by means of a fan and a radiator which automatically reverses every few minutes to prevent dirt, salt and grass clippings from building up on the oil cooler and radiator fins..			
A 2 piece cooler is to be supplied for cooling hydraulic oil and engine coolant.			
A wire protection guard must enclose the engine fan.			
A neutral safety system shall prevent the engine from starting unless shifted into neutral.			
PTO drive system to be mechanical by way of clutch. 11-1/2" over-center type is preferred. Must be electric over hydraulic actuation with indicator light. Actuation by lever is not acceptable.			
Tractor shall have a 12V system, 150 amp alternator and main breaker switch protection.			
There shall be a battery disconnect switch inside the Engine Compartment.			
There shall be a 7 prong trailer plug in rear panel.			
There shall be a 4 prong trailer plug in rear panel for the powering the water tank spray system, brine pump or other electrical components other than lighting.			
There shall be a digital display screen with the following indicators: <ul style="list-style-type: none"> • Backup camera when in reverse, • Tachometer, • Speedometer, • Hour meter, • Coolant temperature, • Engine oil pressure, • Hydraulic oil temperature, • Voltmeter, 			

<ul style="list-style-type: none"> • Fuel level, • Turn signals, 4 way flashers, • High/low beams, • Forward/neutral/reverse, • Low range/High range, • Warning for: low hydraulic oil, low coolant level, air breather service required, parking brake engaged, parking regen required • Seat belt Icon. 			
Tractor must utilize multiplex CAN communication.			
Wiring harnesses must be professionally manufactures with terminals which are crimped to ISO standards.			
Codes and numbers must be shown on all parts manual exploded views and wiring schematic drawings and charts.			
All fuses are to be mini blade type and must be contained within an IP67 watertight enclosure.			

Engine compartment

	Comply		Comments
	Yes	No	
The top hood, two side hood panels and rear grill are to be easily removable without the use of any tools. Only latches and quarter turn fasteners need to be released before lifting off the hoods and grills.			
There shall be an air breather precleaner permanently attached to the top hood.			
The left side hood panel must have 2 hinged access door for access to daily fluid checks, battery, filters, battery disconnect switch and main breakers.			
The top hood shall be made of aluminum.			
Complete rear grill shall hinge open and lift off for easy access to clean oil cooler and radiator. Must be able to lift off when rear sander attached.			
There shall be a hinged door for access to the radiator fill spout.			
The tractor shall have an all stainless steel horizontal exhaust system. The DPF and			

DOC shall be located over the fender where it is protected from the environment and behind the side hood.			
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Transmission

	Comply		Comments
	Yes	No	
The tractor shall be propelled by a hydrostatic transmission and controlled by a single electronic foot pedal.			
A forward/neutral/reverse switch in the joystick shall be supplied.			
The tractor shall have a 2 speed mechanical transmission which provides speed ranges of: Low Range 0-12 km/hr High Range 0-32 km/hr			
The transmission SHIFT LEVER inside the cab must have a neutral position allowing the tractor to be towed without danger of damaging the hydrostatic transmission. Shut off taps, screws, etc located in the rear frame area will not be accepted. Tractor may be towed several miles without damage.			

Brakes

	Comply		Comments
	Yes	No	
Tractor shall have no less than 3 braking systems, hydrostatic dynamic braking, hydraulic service brakes and mechanically actuated emergency/parking brakes.			
Parking brake is to be applied by way of an adjustable parking brake lever. It must be able to apply the brakes mechanically in the event that the hydraulic system for applying the service brakes fail.			
The hydrostatic braking is to be programmed more aggressive when service brake pedal applied.			
The parking brake must sound a warning buzzer when applied and a warning message must appear on the dash display.			

Axles/Wheels/Tires

	Comply		Comments
	Yes	No	
Shall be Dana model 60 style full float with track lock differentials (limit slip) front and rear.			
Each axle shaft shall have a minimum of 8 wheel studs.			
Tires shall be LT245/75R x 16 winter radial mounted on heavy duty wheels with no less than 8 studs.			

Cab

	Comply		Comments
	Yes	No	
The cab shall be "ROPS certified".			
Shall have a steel door. All glass door will not be acceptable.			
Shall have an air ride high back seat. Air ride switch to be remote mounted in side switch panel beside ride control and cruise control switches.			
Shall have a three point safety belt, retractable.			
Shall have an HVAC system that allows operator to select heat, AC or defrost. A cab pressurizer is also mandatory.			
Shall have intermittent 3 speed pantograph wiper and washer.			
Inside rear view mirror and backup camera.			
AM/FM radio.			
Tilt steering column.			
DOT approved, tinted, tempered safety glass for all windows. Must be flat for convenience of local replacement in emergency situation.			
Side windows shall be slider type contained within an aluminum frame and lockable.			
Hinged overhead switch panel.			

Hydraulic System

	Comply		Comments
	Yes	No	
The hydraulic gear pump shall be driven by the engine and produce a minimum of 20			

gpm.			
A second hydraulic pump is to be engaged only when the PTO is engaged.			
Tractor shall be supplied with an electronic joystick. No exceptions.			
All attachments functions and forward/reverse are to be controlled by a single joystick. The joystick must automatically program itself to the attachment that is mounted. 3 float position switches to have additional indicator lights. Joystick allows for lifting and lowering of attachment while 2 other function controls remain live.			
7 front hydraulic couplers are to be supplied for operating the control features on attachments.			
In addition to the 7 couplers for operational controls, there shall be 4 (2 pair) of High Volume front couplers to power hydraulically driven attachments. They can power 2 separate attachments or be combined for attachments requiring higher flows. One switch engages the left pair and a second switch engage the right pair. Switches for the hydraulic circuits are to be located to the left and right of the front PTO engagement switch.			
Rear of tractor shall have 1 pair of hydraulic couplers with an output of 16 gpm.			
All hydraulic hoses to have NPT, SAE straight thread or SEA split flange fittings.			
Hydraulic oil filter shall be cartridge type, mounted at highest point in hydraulic system for dry changes. Spin of filters are not accepted.			
The hydraulic circuits which power the hydraulic mower wings must kick off automatically when wings are raised to a pre-determined angle. When lowered, they must be re-started. This feature must be designed into the tractor for future additional attachment purchases.			

Safety Features

	Comply		Comments
	Yes	No	
The tractor shall have reflective striping on both sides of cab and rear side hoods, as well as on the rear hood below the tail lights.			
Tractor shall have a backup alarm activated by the forward/neutral/reverse switch.			
The tractor shall have a backup camera viewed on the dash display whenever tractor is in reverse.			
Access to the PTO shaft shear bolt shall be from inside the cab. This is also where the PTO shaft is connected when attaching an implement. Having to reach down in front of the tractor to connect the PTO shaft or change a shear bolt will not be accepted.			
For hooking up attachments, the PTO shaft of the attachment must be supported by a stand on the push frame so that no one is required to hold up the shaft while the operator drives the tractor forward into the attachment.			
There shall be an external lift cylinder switch on the front of the cab which the operator can bump up or down to align the lift cylinder pins.			
No fluid checks, filters, battery, ECUs or breaker switches are to be located on the same side of the tractor as the exhaust and after-treatment system.			

Lighting

	Comply		Comments
	Yes	No	
There shall be 4 headlights and 1 backup light. All 5 lights are to be adjustable, halogen and identical.			
There shall be LED signal lights, 4 way flashers and shock proof rubber mounted LED taillights.			
There shall be 8 flush mounted LED flashing lights, 2 on each side of the branch guard for 360 degree visibility.			
There shall be an interior dome light.			

Signal lights must self-cancel.			
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Radio

	Comply		Comments
	Yes	No	
<p>The following radio shall be supplied and installed:</p> <p style="padding-left: 40px;">M7300 800 MHz 35 watt mobile dash mount radio with antenna system – Complete Highway Package</p> <p>It shall be purchased and installed by: Wright Communications, Inc. 711 Riverwood Drive, Pembroke, New Hampshire 03275. 603-228-8148.</p>			

Other

	Comply		Comments
	Yes	No	
Tractor shall be supplied with a front quick hitch system. Implement height shall be controlled by two double acting hydraulic cylinders which are operated from the joystick. Spring load lift latches hold the implement frame in place.			
Must be capable of attaching existing trackless attachments already owned by the municipality.			
The tractor shall have an anti-bounce ride control system which automatically weighs the front mounted attachment when lifted and calculates, according to speed and shock load, how many milliseconds to counteract the bounce when hitting a bump or pothole, deadening the bounce that normally would follow the initial impact.			
All hoses, wiring, switch and quick coupler shall be installed for future optional water/chemical pump.			
Shall have a single fuel tank with no less than 24 gallons.			
Tractor shall have an auto/run feature which automatically shuts off the sand/salt			

spreader when the tractor stops moving for any reason or is shifted into reverse.			
There shall be a rotary switch to adjust amount of material being spread by the rear salt/sand spreader.			
Tractor shall have a tow behind sander adapt package connector at the rear of the tractor, an electric brake controller for the sander brakes and a class 4 pintle hitch.			
Included with the tractor shall be a filter kit for the initial filter change. Kit is to include engine oil filter, hydraulic oil filter, air filter and fuel filter.			
There shall be an operators manual, parts manual and service manual with CD, printed in English supplied at the time of delivery.			
Manufacturer's warranty shall be 12 months or 600 hours.			

Paint/Finish/Undercoating

	Comply		Comments
	Yes	No	
All steel fabricated parts including cab and all frames are to be prepped in a 4 stage phosphate wash prior to paint. All parts are to receive 2 part epoxy primer with rust inhibitor. The top coat is to be a 2 part polyurethane automotive quality finish which is oven baked.			
Tractor must be factory undercoated.			
Color – Highway Yellow			

Delivery

	Comply		Comments
	Yes	No	
Vehicle must be delivered to Central Fleet Management on or prior to December 15, 2016			

Literature

	Comply		Comments
	Yes	No	
The successful bidder shall furnish the following:			

<ul style="list-style-type: none"> • One (1) complete service manual for chassis, engine and drivetrain equipment; • One (1) as-built electrical schematics that is readable to the naked eye; • One (1) complete parts manual for chassis, engine and drive train equipment; • One (1) shop manual for each piece of equipment; • One (1) weather resistant operator's manuals covering all components of the equipment for each piece of equipment; • One (1) DVD/CD version of all the literature above in PDF format. 			
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Diagnostic Software

	Comply		Comments
	Yes	No	
<p>The following are acceptable options for providing diagnostic and troubleshooting capabilities with the piece of equipment;</p> <ul style="list-style-type: none"> • Diagnostic software for engine, chassis, transmission and brakes must be provided for equipment programming and diagnostics, along with connectors and/or harnesses that are needed to complete testing or programming. • On board diagnostic capabilities that provide trouble codes with the appropriate supporting documentation necessary for repairing, maintaining and servicing the unit. • Equipment telematics diagnostic system which Central Fleet personnel can access via the internet. System must provide the trouble codes and supporting documentation necessary for 			

repairing, maintaining and servicing the unit.			
Fees for any required software license/subscriptions for the diagnostic software or telematics diagnostic system will be included in the bid price for a period from date of delivery to no later than July 1, 2017. The City already has valid subscriptions for some manufacturers. Bidders can propose extending the current subscription for a minimum of an additional 3 year period.			

Operator/Maintenance Training

	Comply		Comments
	Yes	No	
8 Hours of operator training to include the following topics: <ul style="list-style-type: none"> • Operator before/during/after preventative maintenance checks and services to include hands on practice; • Attaching and detaching all attachments (snow plow, snow blower and spreader); • Operation of the equipment 			
8 hours of mechanic training to include the following topics: <ul style="list-style-type: none"> • Service requirements and procedures; • Troubleshooting; • Deadlined vehicle recovery procedures; • Hydraulic troubleshooting and adjustments. 			
If the diagnostic system is one which Central Fleet Management does not have then an additional 8 hours of training on the software will be provided.			

Warranty/Guarantees

	Comply		Comments
	Yes	No	
One (1) year full machine warranty			
Three (3) year power train warranty			

<p>All warranty work shall be completed within five (5) business days of warranty problem, penalties will apply for non-conformance. Penalty will be \$250.00 per day beyond acceptable (5) day period</p>			
<p>Parts: Bidder must have a parts warehouse within 50 miles of 480 Hayward Street, Manchester, NH 03103, or provide (at no cost to the City) next day delivery</p>			
<p>Parts: For a period of five (5) years from date of equipment acceptance, parts that are not delivered within 48 hours from receipt of the City's order are to be supplied at no cost to the City.</p>			

BID SCHEDULE

PROPOSAL FOR: **TRACKLESS SIDEWALK TRACTOR (FY17-230-25)**

DATE & TIME: **FRIDAY, NOVEMBER 18, 2016 at 2:30 PM**

The undersigned, as Bidder, hereby declares that before preparing this bid he/she carefully read the specifications and hereby agrees that if the proposal is accepted he/she will contract with the City in accordance with the specifications, terms and conditions as spelled out in this Sealed Bid Invitation.

Bidding Company: _____

<u>Item Description</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
Trackless Sidewalk Tractor, per specifications	1	\$ _____	\$ _____

Total Bid Cost: \$ _____

Total Price in Words: _____

Bid Alternates:	
49" Fixed Wing V-Plow	
Trackless 51" Ribbon Blower	
14' Progressive Vat Wing Finish Mower	
Trackless Cold Planer/Asphalt	
Deep Reduction Gear Box (for cold planer)	
Total Bid Cost with Alternates:	

This form must be signed. All signatures must be original and not photocopied.

FY17-230-25: Trackless Sidewalk Tractor

Authorized signature & title of Bidder

Print or type name & title of Bidder

Company Name (Corporation/general partnership organized & existing under the laws of the State of _____)

Address

City, State, Zip

Date Quotation Made: _____ **REQUIRED** Email Address: _____

Phone #: _____ Fax #: _____

Vendors will be notified via email only – if no email is provided it will be the bidders' responsibility to check the website for the City of Manchester Purchasing Division for results.

Exceptions to the above specifications must be duly noted on your letterhead as a separate sheet. Please check the box if you have exceptions.