

TOWN OF SCARBOROUGH



INVITATION TO BID 022017

RETURN THIS BID TO:

Attention ITB022017/LOADER/BACKHOE
PO Box 360
259 US Route One
Scarborough, ME 04070-0360

THIS IS NOT AN ORDER

DATE ITB ISSUED: 05/26/16

ITB TITLE: LOADER/BACKHOE FOR DEPARTMENT OF PUBLIC WORKS

SEALED BIDS MUST BE SUBMITTED TO THE PURCHASING AGENT, TOWN CLERK'S OFFICE, OR DELIVERED TO THE OPENING LOCATION AND MUST BE TIME AND DATE STAMPED BY THE PURCHASING AGENT or HIS DESIGNEE PRIOR TO THE BID OPENING ON June 15th, 2016 AT 10:30AM AT WHICH TIME THEY WILL BE PUBLICLY OPENED.

OPENING LOCATION: Town of Scarborough, Town Hall, located at 259 US Route One Scarborough, ME 04074 in the Town Manager's Conference Room, Main Level.

F.O.B. POINT: FINAL DESTINATION

EMAILED AND/OR FAXED BIDS WILL NOT BE ACCEPTED.

LATE BIDS WILL NOT BE ACCEPTED.

ALL QUESTIONS REGARDING THIS ITB SHOULD BE DIRECTED TO KIM MASSA, PURCHASING SPECIALIST, at (207) 730 4083 or kmassa@ci.scarborough.me.us. THE PREFERRED METHOD IS VIA EMAIL.

IMPORTANT NOTICE: If you received this solicitation from the Town's web site, you must register with the Purchasing Agent to receive subsequent amendments.

INSTRUCTIONS TO BIDDERS

CONTRACT INTENT: This Invitation to Bid (ITB) is intended to result in the purchase of One Loader/Backhoe w/attachments.

NOTICE OF INTENT TO AWARD: After the responses to this ITB have been opened and evaluated, a tabulation of the bids will be prepared. It lists the name of each company or person that offered a bid and the price they bid. It may also provide notice of the Town's intent to award a contract(s) to the bidder(s) indicated. A copy of the Bid Tabulation will be mailed to each company or person who responded to the ITB. Bidders identified for award are not to proceed until a Purchase Order, Contract Award, Lease, or some other form of written notice is given by the Purchasing Agent. A company or person who proceeds prior to receiving a Purchase Order, Contract Award, Lease, or some other form of written notice from the Purchasing Agent does so without a contract and at their own risk.

PAYMENT FOR TOWN PURCHASES: Payment for agreements for the undisputed purchase of goods or services provided to the Town of Scarborough, will be made within 30 days of the receipt of a proper billing or the delivery of the goods or services to the location(s) specified in the agreement, whichever is later.

FEDERAL EXCISE TAX: The Town of Scarborough is exempt from all Federal Excise Tax.

STATE SALES TAX: The Town of Scarborough is exempt from all State of Maine Sales Tax.

SHIPPING DAMAGE: The Town will not accept or pay for damaged goods. The contractor must file all claims against the carrier(s) for damages incurred to items in transit from the point of origin to the ultimate destination within the Town of Scarborough. The Town will provide the contractor with written notice when damaged goods are received. The Town may choose to deduct the cost of the damaged goods from the invoice prior to payment. The contractor must file all claims against the carrier(s) for reimbursement of the loss.

INDEMNIFICATION: The contractor shall indemnify, hold harmless, and defend the Town from and against any claim of, or liability for error, omission or negligent act of the contractor under this agreement. The contractor shall not be required to indemnify the Town for a claim of, or liability for, the independent negligence of the Town. If there is a claim of, or liability for, the joint negligent error or omission of the contractor and the independent negligence of the Town, the indemnification and hold harmless obligation shall be apportioned on a comparative fault basis. "Contractor" and "Town", as used within this and the following article, include the employees, agents and other contractors who are directly responsible, respectively, to each. The term "independent negligence" is negligence other than in the Town's selection, administration, monitoring, or controlling of the contractor and in approving or accepting the contractor's work.

INSURANCE: Without limiting contractor's indemnification, it is agreed that contractor shall purchase at its own expense and maintain in force at all times during the performance of services under this agreement the following policies of insurance. Where specific limits are shown, it is understood that they shall be the minimum acceptable limits. If the contractor's policy contains higher limits, the Town shall be entitled to coverage to the extent of such higher limits. Certificates of Insurance must be furnished to the Purchasing Agent prior to beginning work and must provide for a 30-day prior notice of cancellation, non-renewal or material change

of conditions. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach of this contract and shall be grounds for termination of the contractor's services.

Proof of insurance is required for the following:

The contractor shall furnish proof of adequate insurance coverage of the types, and to the limits, specified below. Certificates of such insurance shall be filed with the Purchasing Agent within five (5) days following notification of the Bid Award.

WORKERS COMPENSATION:

The Contractor shall purchase and maintain during the life of this Contract Workers Compensation Insurance for all employees employed in the course of performing services under this Contract as awarded pursuant to these Specifications; and in case any work is sublet, the Contractor shall require the Sub-Contractor to similarly provide Worker's Compensation Insurance for all of the latter's employees, unless such employees are covered by the protection afforded the Contractor. In case any class of employees engages in hazardous work under the Workman's Compensation Statute, the Contractor shall provide adequate coverage for the protection of employees not otherwise protected. All coverage to be in accordance with State of Maine laws in effect and the requirements of the Industrial Accident Commission.

LIABILITY INSURANCE:

The Contractor shall carry and maintain, until final written acceptance of the work by the Town, insurance as specified below and in such form as shall protect the Town of Scarborough and its employees and officials from all claims and liability for damages and bodily injury including accidental death and for property damage which may arise from operations under this Contract. The Contractor covenants and agrees to hold the Town of Scarborough and its employees, agents, and officials harmless from loss and damage due to claims from personal injury and/or property damage arising from or in connection with operations under this Contract. Except as otherwise stated, the amounts of such insurance shall be for each policy not less than:

1. For liability, for bodily injury, including accidental death \$400,000 on account of one occurrence and \$400,000 aggregate limit.
2. For liability for property damage \$400,000 on account of any one occurrence and \$400,000 aggregate limit.
3. An umbrella policy in the amount of \$400,000 covering the underlying policies. All policies shall be so written that the Purchasing Agent's office of the Town of Scarborough will be notified of cancellation or restrictive amendment at least thirty (30) days prior to the effective date of such cancellation or amendment. A certificate from the Contractor's insurance carrier showing at least the coverage and limits of liability specified above and expiration date shall be filed with the Town before operations may begin. Certificates shall make no claims against the Town of Scarborough or its officers for any injury to any of his officers or employees for

damage to his trucks or equipment arising out of work contemplated by this Contract. The Contractor agrees to hold the Town harmless from any claims so made and to indemnify the Town, its officers, employees, agents, and servants from all claims legal or equitable, including court costs and reasonable attorney's fees arising out of the operation of the contract.

AUTOMOTIVE LIABILITY INSURANCE:

Automotive Liability Insurance with a minimum limit of liability for bodily injury in the amount of \$400,000 for each occurrence and minimum limit of liability for property damage in the amount of \$50,000 / \$100,000 aggregate.

Failure to supply satisfactory proof of insurance within the time required will cause the Town to declare the bidder non-responsible and to reject the bid.

BRAND AND MODEL OFFERED: Specifications may contain certain brand names that may or may not be proprietary. Bidders are encouraged to propose their company's approved alternate to such items and list them accordingly. The Town will **not** disqualify a bid if it offers items not specific but meet minimum requirements to the Town's Bid Specifications.

ANNOTATED LITERATURE: Bidders must annotate their product literature to identify for the Town the location of the supporting information regarding each product specification set out in this ITB.

SUPPORTING INFORMATION: The Town strongly desires that bidders submit all required technical, specification, and other supporting information with their bid, so that a detailed analysis and determination can be made, by the Purchasing Agent that the product offered meets the ITB specifications and that other requirements of the ITB have been met. However, provided a bid meets the requirements for a definite, firm, unqualified, and unconditional offer, the Town reserves the right to request supplemental information from the bidder, after the bids have been opened, to ensure that the products offered completely meet the ITB requirements. The requirement for such supplemental information will be at the reasonable discretion of the Town and may include the requirement that a bidder will provide a sample product(s) so that the Town can make a first-hand examination and determination.

DEMO: In conjunction with the above section, "**SUPPORTING INFORMATION**," as part of the evaluation and/or award process, the Town may request a demonstration of the proposed equipment. Bidders who do not provide the actual product proposed or the equivalent product as required by the Town may have their bids rejected and/or award revoked.

FIRM, UNQUALIFIED AND UNCONDITIONAL OFFER: Bidders must provide enough information with their bid to constitute a definite, firm, unqualified and unconditional offer. To be responsive a bid must constitute a definite, firm, unqualified and unconditional offer to meet all of the material terms of the ITB. Material terms are those that could affect the price, quantity, quality, or delivery. Also included as material terms are those which are clearly identified in the ITB and which, for reasons of policy, must be complied with at risk of bid rejection for non-responsiveness.

NEW EQUIPMENT: Equipment offered in response to this ITB must be new equipment. New equipment means equipment that is currently in production by the manufacturer and is still the

latest model, edition or version generally offered. The equipment must be warranted as new by the manufacturer and may not have been used for any purpose, other than display (not demonstration), prior to its sale to the Town. The Town will not accept remanufactured, used, or reconditioned equipment. It is the contractor's responsibility to ensure that each piece of equipment delivered to the Town complies with this requirement. A contractor's failure to comply with this requirement will cause the Town to seek remedies under breach of contract. The Equipment offered must have been for sale to the general public for a period of not less than five years.

ACCESSORIES: When accessories are supplied, they must be certified to be compatible with the rest of the equipment. Certification will be written evidence satisfactory to the Town that the accessories are compatible. The bidder's failure to supply this evidence within the time required by the Town will cause the Town to consider the bid non-responsive and reject the bid.

INSPECTION: Equipment offered will be subject to inspection and approval by the Town prior to payment. The equipment and attachments must be in good repair and capable of performing the work for which they were designed.

ALTERATIONS: The awarded bidder must obtain the written approval from the Purchasing Agent prior to making any alterations to the agreed upon specifications (post-award) contained in this ITB or subsequent Contract. The Town will not pay for alterations that are not approved in advance and in writing by the Town.

DISCONTINUED ITEMS: In the event an item is discontinued by the manufacturer during the life of the contract, another item may be substituted, provided that the Purchasing Agent makes a written determination that it is equal to or better than the discontinued item and provided that it is sold at the same price or less than the discontinued item.

ITEM UPGRADES: The Town reserves the right to accept upgrades to models on the basic contract when the upgrades improve the way the equipment operates or improve the accuracy of the equipment. Such upgraded items must be at the same price as the items in the basic contract.

DELIVERY: Indicate, in the space provided under "Bid Schedule", the time required to make delivery after the receipt of an order.

F.O.B. POINT: The F.O.B. point for all items purchased under this bid is the final destination within the Town of Scarborough. Ownership of and title to the ordered items remains with the contractor until the items have been delivered to their final destination and are accepted by the Town.

PARTS BOOKS AND MAINTENANCE MANUALS: Parts books and maintenance manuals must be provided at the same time that the equipment is delivered, preferably in Electronic Version (CD, PDF, etc.). The cost of the parts books and maintenance manuals is to be included in the bid price of the equipment.

CONTINUING OBLIGATION OF CONTRACTOR: Regardless of the terms and conditions of any third-party financing agreement, the contractor agrees that none of its responsibilities under this contract are transferable and that the contractor alone will continue to be solely responsible until the expiration date of the contract. Such responsibilities include, but are not limited to, the provision of equipment, training, warranty service, maintenance, parts and the provision of

consumable supplies. By signature on this ITB the bidder acknowledges this requirement and indicates unconditional acceptance of this continuing obligation clause.

WORKMANSHIP & MATERIALS: All work must be performed in a thorough and workmanlike manner and in accordance with current industry practices. The contractor will be held responsible for the quality of the finished item. The Town will reject any item that does not meet the agreed upon specifications of the ITB (post award). Rejected items will be returned to the contractor at the contractor's risk and expense.

BID SUBMISSION: At or before the appointed date and time, all bidders **must** submit a completed Specifications Form and completed Bid Form. Although not required, bidders are encouraged to submit additional supporting information that may assist the Town in evaluating the bid and compliance with the technical specifications.

METHOD OF AWARD: Award will be made to the lowest responsive and responsible bidder as noted below (**EVALUATION CRITERIA**). The Town of Scarborough reserves the right to accept or reject any or all bids should it be deemed in the best interest of the Town, waive any minor discrepancies or technicalities and the right to inspect the equipment prior to delivery.

EVALUATION CRITERIA: The Town intends to evaluate each bid based on the following specifications. The bid which meets these specifications best will be the lowest, most responsive, responsible bid. Alternate proposals to the specifications listed below should be noted so that the Town may make a fair assessment of the bid. **ALTERNATE SPECIFICATIONS WHICH ARE CLEARLY STATED WILL NOT DISQUALIFY A BIDDER.**

INVOICES: Invoices must be sent directly to the Town address shown on the individual Purchase Order, Contract Award or Delivery Order. Payment schedule will be determined with the winning bidder. Questions concerning payment must be addressed to the Town of Scarborough's Accounts Payable Department.

The Town of Scarborough reserves the right to accept or reject any and all bids when it is deemed in the best interest of the Town.

ADDITIONAL INFORMATION:

ALL inquiries or requests concerning this Invitation to Bid shall be made in writing and must be received before the close of business on June 13, 2016 to the Attention of Kim Massa, Purchasing Specialist by fax (207 730-4088) or email to kmassa@ci.scarborough.me.us. The Town is not responsible for oral interpretations given by any Town employee, representative or other.

SPECIFICATIONS

THIS PAGE MUST BE INCLUDED WITH ANY ALTERNATE PROPOSAL(S) NOTED CLEARLY

**1.3 CUBIC YARD 4-WHEEL DRIVE LOADER
AND 19-FOOT BACKHOE**

The following specifications describe the minimum requirements for a tractor loader backhoe. The equipment bid shall be new, identifying equipment manufactured the same year or succeeding year of the bid, of a current design and production model, and available to the commercial market. Any additions, deletions or variations from the following specifications must be noted, or the bid will be rejected. Standard items appearing in the manufacturer’s published specifications furnished by the bidder shall be included in the bid unless otherwise noted. One copy of the manufacturer’s published specification shall be included with the bid.

GENERAL

The loader backhoe shall be a regular production model for which published specifications are available.

Machine modifications to meet the operational requirements of this specification shall be limited to the manufacturer’s published standard and optional equipment.

All operating specifications are based on current SAE standards and shall be the basis for determining compliance with specified requirements.

The loader backhoe shall have a 108 net horsepower, turbocharged diesel tractor with front loader and 1.3 cubic yard capacity heaped bucket and backhoe with 19-foot dig depth.

The loader backhoe shall have a minimum operating weight of 20,500 pounds.

The loader backhoe shall meet all OSHA and EPA requirements in effect on the date of bid opening and shall have lead-free paint.

1.0 Engine

The loader backhoe shall have a 4-cylinder, turbocharged diesel engine with a minimum 108 net horsepower at 2,200 RPM. The engine shall provide a minimum SAE net torque rating of 338 ft-lbs at 1,400 RPM. Engine to be Tier 4 Final per Federal Emissions Standards

	COMPLY	
	Yes	No
1.1 Internal oil cooler	_____	_____
1.2 Integral water pump	_____	_____
1.3 Dual-Stage air cleaner	_____	_____
1.4 12-Volt electrical system	_____	_____
1.5 Minimum 160-amp alternator	_____	_____
1.6 Cast Iron oil pan design	_____	_____
1.7 Serpentine Belt	_____	_____

- 1.8 Automatic self-adjusting belt tensioner _____
- 1.9 Vertical spin-on engine oil filter _____
- 1.10 Shall meet current emissions standard _____
- 1.11 Equipped with diesel exhaust fluid _____
- 1.12 Fuel tank: 35 gallon minimum _____
- 1.13 Min 3 fuel fill ups sized DEF. tank _____

2.0 Fully Synchronized Transmission

The power train shall consist of a torque converter drive with a fully synchronized transmission. The synchronized transmission shall also provide the following:

- 2.1 Power shift automatic transmission _____
- 2.2 Four forward speeds _____
- 2.3 Three reverse speeds _____
- 2.4 Minimum travel speed of 25 MPH with standard tires _____
- 2.5 Electric forward/reverse shuttle shift _____
- 2.6 Planetary transmission gears _____
- 2.7 Clutch disconnect button shift lever _____
- 2.8 Clutch disconnect button on loader control lever _____

3.0 Tires

Turf-type radial tires preferred

- 3.1 Front: 14-ply wide wall _____
- 3.2 Rear: 10-ply R-4 IT530 _____

4.0 Power Train

The loader backhoe power train shall be componentized. The power train also shall have the following:

- 4.1 Heavy duty axles _____
- 4.2 On-the-go electro-hydraulic rear differential lock engagement _____
- 4.3 Lube-for-life drive shaft cross bearings _____
- 4.4 Four-wheel drive including the following features: _____
- 4.5 Conventional differentials in the front axle _____
- 4.6 Conventional differentials in the rear axle _____
- 4.7 Front axle with a minimum 73.4 inch fixed tread with 14x17.5 tires _____
- 4.8 On-the-go electrical four-wheel drive engagement _____
- 4.9 Front and rear axles with outboard planetary _____
- 4.10 Single, double-rod steering cylinder _____
- 4.11 Steering cylinder located behind the axle _____
- 4.12 Lube-for-life drive shaft cross bearings _____
- 4.13 The axle load rating shall be per SAE J43 _____

4.14 Front Axle – 14,960 lbs minimum

5.0 Brakes

The loader backhoe brakes shall be a fully hydraulic, multiple wet disk brake located inboard. The brakes also shall have the following features:

5.1 Oil cooled brakes

5.2 Brakes operated by two suspended brake pedals

5.3 Maintenance-free and self-adjusting

6.0 Loader and Linkage Features

The loader arms shall be heavy duty and in-line. The loader arms also shall have the following features:

6.1 Arch design for short turning circle

6.2 Cushioned loader cylinders

6.3 Factory installed ride control

6.4 The Loader Linkage shall have the following features:

6.5 Cushioned bucket cylinders

6.6 Bucket cylinders with reverse linkage

6.7 Dual cast dump links to bucket

6.8 Full bucket rollover for dozing

6.9 Full bucket rollover for stability in backhoe operation

6.10 Automatic bucket self-leveling

6.11 Return-to-dig

7.0 Loader Bucket

The loader bucket shall be Hydraulic quick coupling maximum of 93 inches wide with a 1.3 cubic yard (minimum) heaped capacity. The bucket also shall have the following features:

7.1 Rear bucket roller wrapper

7.2 Pre-drilled edge

7.3 Heavy duty lifting eyes

7.4 Bucket position indicator

7.5 Replaceable Cutting edge bolt-on

8.0 Backhoe Controls

8.1 Extend hoe

8.2 Grease pins in the swing tower to boom base

8.3 Replaceable bushings in the swing tower to boom base mounting pins

8.4 Extendable exterior dipper stick

8.5 Extendable dipper stick can be pinned to prevent movement

8.6 Internal bolt-on, replaceable wear strip for extendable dipper stick

8.7 900-lb front mounted counterweight for extend hoe

8.8 Stabilizers fully retractable within the width of the tires

8.9 Over-center backhoe design

- 8.10 Integrated hydraulic backhoe coupler with in-cab controls _____
- 8.11 Stabilizer pad, combination flip-over and street pads _____
- 8.12 Backhoe Pilot Back Hoe controls _____

9.0 Backhoe Bucket shall be heavy duty and have the following features:

- 9.1 24" Heavy Duty Digging Bucket, quick coupled _____
- 9.2 Cutting edge on tilting bucket - replaceable _____

10. Performance:

Loader Bucket

- 10.1 Minimum SAE dump cylinder breakout force of 12,776 pounds force _____
- 10.2 Minimum SAE lift capacity to full height of 8,200 pounds _____
- 10.3 Minimum SAE dump clearance of 9 feet at full height and 45 degree dump angle _____
- 10.4 Minimum SAE dump reach of 27.5inches at full height and 45 degree dump angle _____
- 10.5 Minimum hinge pin height of 11 feet 5 inches _____
- 10.6 Minimum dig depth below ground of 3.8 inches _____

Tractor Dimensions

- 10.7 Maximum wheel base of 84.5 inches _____
- 10.8 Maximum overall transport width of 7 feet 9 inches _____
- 10.9 Maximum height of 8 feet 11 inches to top of cab _____

Backhoe

- 10.10 Minimum SAE dig depth with over-center Extend hoe extended for 24-inch flat bottom of 19 feet 10 inches _____
- 10.11 Maximum transport height of 11 feet 2 inches _____
- 10.12 Minimum digging force, bucket cylinder, 15,132 pounds force _____
- 10.13 Minimum digging force, dipper cylinder, 10,575 pounds force _____
- 10.14 Maximum stabilizer spread in transport position of 7 feet 9 inches with standard pads _____
- 10.15 Minimum stabilizer spread in work position of 11 feet 1 inch with standard pads _____
- 10.15 Minimum boom lift capacity at 12 feet of 4,409 pounds _____
- 10.16 Minimum dipper lift capacity at 12 feet of 6,651 pounds _____

11 OPERATOR ENVIRONMENT

The loader backhoe shall have a cab with air conditioning. The loader backhoe cab also shall have the following for loader operation:

- 11.1 Operator Convenience Package, tilt wheel, front and rear windshield washers, sun visor _____
- 11.2 Cab air conditioning with heater of maximum capacity 100% filtered air, in cab filter access, eight(8) adjustable roof vents, two(2) floor vents w/heater _____
- 11.3 Cab with heater, defroster, dome light, front & rear intermittent wipers, tinted glass, and floor mat. Side window, partial hold-open, inside release for side windows. _____
- 11.4 Factory installed AM/FM radio _____
- 11.5 Audible Alarms: backup alarm, coolant temperature, engine oil pressure, parking brake engagement, shuttle engagement/seat position _____
- 11.6 Fire Extinguisher _____

11.7	Minimum of four isolation mounts	_____	_____
11.8	Insulation for maximum temperature and sound control	_____	_____
11.9	Left and right hand doors	_____	_____
11.10	Suspended brake pedals	_____	_____
11.11	Suspended accelerator	_____	_____
11.12	Electro-hydraulic differential lock	_____	_____
11.13	Front and rear windshield wipers – intermittent	_____	_____
11.14	Interior L. E. D. dome light	_____	_____
11.15	Interior rear view mirror	_____	_____
11.16	Interior front view mirror for operator to see ahead if operating hoe to the rear. Same as current SPW machine.	_____	_____
11.17	Built-in molded cup holder	_____	_____
11.18	Single handle loader control with top-mounted clutch cut-out button	_____	_____
11.19	Forward/reverse power shuttle lever mounted on the steering column	_____	_____
11.20	Parking brake button/lighted when on located within easy reach to the right of the operator	_____	_____
11.21	Operator warning system that alerts the operator with an audible alarm when the parking brake is applied and the operator engages the forward/reverse lever	_____	_____
11.22	Instrumentation located to the right of the operator	_____	_____
11.23	Two accessory power plugs, 30 amp minimum, a 12 volt power and ground wire for town radio loose ign. switched for customer hook up.	_____	_____
11.24	Outside cab rear view mirrors	_____	_____
11.25	4 Corner Whelen Yellow L. E. D. Warning light flashing at roof line, 2 forward 2 rear.	_____	_____
	The loader backhoe cab also shall have the following for backhoe operation:		
11.26	Easy-to-swing seat to access backhoe controls	_____	_____
11.27	Audible alarm to alert operator of transmission engagement when swinging seat	_____	_____
11.28	Over-center backhoe release inside the cab	_____	_____
11.29	Engine throttle control located within easy reach to the left of the operator	_____	_____
11.30	Stabilizer controls located together to permit one-hand operation	_____	_____
11.31	Pilot Lever controls	_____	_____
11.32	L. E. D. lighting throughout unit inside and out.	_____	_____
12	HYDRAULICS		
	The loader backhoe hydraulics shall be closed center and allow for smooth loader and backhoe operation. The loader backhoe hydraulics also shall include:		
12.1	Variable displacement radial piston pump	_____	_____
12.2	Total pump flow to be 42.5 gallon per min. at 3,450 psi available to the loader valve and backhoe valve	_____	_____
12.3	Allows operation of optional hand-held hydraulic tools	_____	_____
12.4	Anti-cavitation valves in the dipper and loader circuit	_____	_____
12.5	Pilot-operated check valves for boom, dipper and stabilizers	_____	_____
12.6	Anti-rebound valve for backhoe swing precision	_____	_____
12.7	Factory installed backhoe auxiliary hydraulics to be of a bi-direction design with adjustable flow control	_____	_____

13	SERVICABILITY		
	The loader backhoe shall be easy to service from ground level. The loader backhoe service also shall include the following:		

13.1	Tilt hood that permits access to the engine with the loader arms raised or lowered	_____	_____
13.2	Minimum 35-gallon side mounted fuel tank	_____	_____
13.3	Minimum 14-gallon side mounted hydraulic tank with slight gauge	_____	_____
13.4	Lube for life drive line components	_____	_____
13.5	Remote front axle pivot lubrication fitting	_____	_____
14	WARRANTY		
14.1	Full machine warranty for 5 years of 5,000 hours	_____	_____
14.2	"No down time" warranty 5 years	_____	_____
14.3	Replacement machine for 5 years	_____	_____
15	Manuals/training		
15.1	One (1) operator's manual	_____	_____
15.2	One (1) service manual	_____	_____
15.3	One (1) repair manual	_____	_____
15.4	One (1) parts manual – covering the machine and all attachments	_____	_____
15.5	In addition to manuals, if available, provide CD's covering the above	_____	_____
15.6	Training for operators	_____	_____
15.7	Training for mechanics	_____	_____
16	ADDITIONAL ITEMS		
	<u>ENGINE:</u>		
16.1	Dual 12 volt 1000cc A batteries	_____	_____
16.2	Exhaust aspirated air cleaner	_____	_____
16.3	Cold weather starting aid to be that of non-ether based system	_____	_____
16.4	Chaff screen	_____	_____
16.5	Flat black stack	_____	_____
16.6	Master electrical disconnect switch	_____	_____
	<u>POWER SHAFT TRANSMISSION:</u>		
16.7	Minimum of four forward and three reverse speeds	_____	_____
16.8	Shall have an auto shift function for ease of operation	_____	_____
16.9	Minimum travel speed of 25 mph with standard tires	_____	_____
	<u>TIRES:</u>		
16.10	Rear – 21L x 24, radial tires R04 tread to match Town of Scarborough's current tires	_____	_____
	<u>LOADER BUCKET:</u>		
16.11	Loader bucket to come fitted with a hydraulically actuated quick coupler from the cab to match current T.O.Scar.	_____	_____
16.12	Loader to come with attachment auxiliary hydraulics for tool carrier capabilities	_____	_____
16.13	All town existing front hitch attachments to be hook up ready to detachable front hitch at delivery	_____	_____
16.14	Front controls for hydraulic broom operation to match current SPW machine.	_____	_____
16.15	93" 4-1 Bucket	_____	_____

BACKHOE CONTROLS:

- 16.16 48" Hydraulic Tilt Ditching Bucket, w/bolt on reverse flip cutting edge _____
- 16.17 Pilot Controls shall have fore, aft and lateral position adjustment _____
- 16.18 Pilot Controls shall have wrist rests that are vertically adjustable _____
- 16.19 Pilot operated control system _____
- 16.20 Pilot Controls shall have an in-cab switchable pattern changer for ease of use _____
- 16.21 Pilot Controls shall include auto up stabilizer controls _____

OPERATOR ENVIRONMENT

- 16.22 Deluxe Cab Package, operator convenience package plus vinyl covered interior, radio-ready kit w/antenna and speakers, reduced sound to 72 dbA _____
- 16.23 Ride control _____
- 16.24 Outside breakaway mirrors _____
- 16.25 Tool Box _____
- 16.26 Deluxe air suspension seat with lumbar support - cloth _____
- 16.27 D.O.T. reflective tape on all four sides _____
- 16.28 Cab will have a 4 corner LED package console switched _____
- 16.29 Retractable seat belt 3" _____

HYDRAULICS

- 16.30 Pilot controls shall be of a pilot pressure design for smooth operation _____
- 16.31 Hand held equipment auxiliary hydraulics _____
- 16.32 License plate bracket _____

17 SPARE RIMS AND TIRES

- 17.1 Two each; Front two: 14 x 17.5 tries mounted on rims _____
- 17.2 Two each; Rear two: 21L x 24 tires mounted on rims-radial type for over the road travel _____

18 TRADE IN: CASE 590 SN 4 X 4

- 2011 Model Year
- 3500 Hours
- Extend hoe
- Complete set of repair manuals
- All maintenance records

19 OPTIONS

Geith 48" hydraulic tilting bucket, quick coupled

BID FORM

TOTAL COST FOR LOADER/BACKHOE AS SPECIFIED OR AS PROPOSED BY VENDOR.

\$ _____

OPTIONS: 48" BUCKET

\$ _____

DELIVERY TIME AFTER RECEIPT OF ORDER:

GUARANTEE: _____

DELIVERY DATE: _____

>>> NOTE: Bid must bear the handwritten signature of a duly authorized Member or employee of the organization making the bid.

SIGNED: _____ **DATE:** _____

COMPANY: _____
Corporation, Firm, or Company

ADDRESS: _____
Street/PO Box

City State ZIP

TELEPHONE :(_____) _____ FAX :(_____) _____

EMAIL: _____

APPENDIX A**ITB 022017 Mailing List**

NORTRAX EQUIPMENT COMPANY	396 COUNTY RD, WESTBROOK ME 04092
BEAUREGARD EQUIPMENT	14 GIBSON RD, SCARBOROUGH ME 04074
SOUTHWORTH MILTON INC	16 PLEASANT HILL RD, SCARBOROUGH ME 04074
RC HAZELTON COMPANY INC	199 MIDDLE RD, CUMBERLAND ME 04021
CHADWICK-BAROSS INC	160 WARREN AVE, WESTBROOK ME 04092