

TOWN OF MINTO
5941 Highway #89
Harriston, ON NOG 1Z0
Telephone 519-338-2511 Fax 519-338-2005

REQUEST FOR QUOTATION # 2017 - 02
BACKHOE LOADER WITH EXTENDABLE DIPPERSTICK ATTACHMENT AND FOUR WHEEL DRIVE
SPECIFICATION FOR PRICING

UNIT REQUIRED

The Town of Minto is considering purchasing one new 2017 Backhoe Loader with Extendable Dipperstick Attachment and Four Wheel Drive
The Town may choose not to accept a trade in as part of this quote at its sole discretion.
TRADE IN – 2007 JCB 3CX 4X4 V.I.N. SLP214TC7U0909712, approximately 4905 Hrs.
To view & inspect, contact Mike Mclsaac at the Town of Minto Public Works Garage, 519-338-2511.

SUBMISSION OF QUOTATION

Two copies of the RFQ shall be submitted in a sealed envelope clearly marked with the RFQ number and title (enclosed):

RFQ # 2017 – 02

BACKHOE LOADER WITH EXTENDABLE DIPPERSTICK ATTACHMENT AND FOUR WHEEL DRIVE
SPECIFICATION FOR PRICING

Sealed Quotations, plainly marked as to contents, addressed to:

Mike Mclsaac, Roads and Drainage Supervisor
Town of Minto 5941 Highway #89
Harriston, ON NOG 1Z0

Closing Date: Wednesday April 12, 2017
Closing Time: 10:45 a.m. (Eastern Standard Time)

NOTE: Any or all quotations not necessarily accepted. Town of Minto reserves the right to reject any or all quotations without stating a reason.

SPECIFICATIONS

The vehicle shall be the manufacturer's standard production model as shown in the manufacturer's literature and all component units shall be standard or be a standard catalogue listed unless otherwise specified and agreed.

The vehicle offered in the quotation should meet the following Town of Minto minimum specifications. Please indicate in each space provided the actual specification of the unit.
The vehicle shall meet or surpass the mandatory requirements of the "Canadian Motor Vehicle

Safety Regulations (S.O.R. 70-487) amended” and/or equivalent regulations.

While the purpose of the specifications is to indicate certain minimum requirements in the way of capacity, strength, and other details, the Town of Minto at its sole discretion shall have the right to select the equipment which may be considered most suitable for the service involved. In other words, even though proposals are received based on furnishing equipment which may meet the minimum requirements indicated, it is not intended that this alone shall limit the contract award to be recommended but that the other factors shall be considered together with any experience the Town of Minto may have with equipment of the same type or manufacture.

The specifications included herein describe the type, size, design, and construction of the equipment which is felt necessary to meet the performance and service requirements of the Town of Minto. Bidders quoting on equipment which deviates from the standpoint of capacity, size, construction and performance, both as to the individual component parts and the completely assembled units, are requested to submit alternate bids on the equipment which so deviates. Any and all alternate bids which are submitted will be given due consideration in accordance with the Town’s standard quotation practices.

Delivery date could have a direct bearing on the acceptance of the quotation.

All quotations must be accompanied by complete specifications and illustrations of the vehicle quoted on.

The Town of Minto reserves the right to accept or reject any or all quotations in whole or in part for any reason or concern without any claim whatsoever because of cancellation. The Town of Minto reserves the right to accept or reject any of the options listed as they see fit. Selection of the successful quotation shall be subject to approval by the Council of the Town of Minto.

Payment made in full at the time of delivery, once full inspection and acceptance has been completed by the Town of Minto’s Public Works Director and/or staff equivalency.

All quotation submissions received must be honoured until Council approval after the closing date.

For any specification listed in the following pages bidders to please provide estimate on “closest comparable unit” to any minimum specification.

Specifications:

Specification Summary	Confirmation		Specify (if no)
	Yes	No	
S.A.E Max. B/H digging depth - 14' min.			
Loader bucket capacity - 1.3 cu. Yd. (1.0 cu. m.) min.			
S.A.E. operating weight 17,000 lbs. (7711 kg.) min.			
Engine, diesel turbocharged 94 net peak HP			
Torque converter auto-shift transmission			
Overall width less loader bucket - 86" (2.18m)			
Overall height to the top of the cab - 9'2" (2.79m)			
General Specification	Confirmation		Specify (if no)

	Yes	No	
This unit shall be supplied with all standard equipment, plus all other equipment required by this specification			
Specification definitions shall be to S.A.E. standards unless stated otherwise			
Unit must be able to couple to existing Town of Minto John Deere 410K Rear Backhoe attachments without modification upon delivery of the unit specified			
Detailed Specification	Confirmation		Confirmation
	Yes	No	
1. Make and Model of the Unit being Quoted Delivery Date			Specify Make: Specify Year: Specify Model: Specify Date:
2. Type The unit shall be designed as an integral backhoe loader with a backhoe, but not a tractor fitted with a loader and a backhoe The unit shall be supplied with a hydraulically operated extendable dipperstick attachment			
Weight of the backhoe specified as requested with attachment			Specify:
3. Engine Diesel powered, 94 Net Peak Power (ISO9249) @ 2200 RPM, Tier III preferred, please specify			Specify Make: Specify Model: Specify HP:
Net torque 307 lb-ft. minimum			Specify:
Wet Sleeved engine design			Specify:
Displacement - 4.5 L minimum 4 stroke turbocharged			Specify:
Auto Shutdown/Idle feature shall be included			
4. Power Plant Parts:			Specify:

Air cleaner – dry type, two stage with restriction indicator shall be supplied			
Oil Filter – removable element type			Specify:
Battery – two 12 volt batteries with minimum reserve capacity of 190 minutes, and 950 CCA each			Rating:
Battery Disconnect Switch shall be supplied			
Alternator 120 ampere minimum			Specify:
Fuel Filter shall be supplied			
Engine hour meter, water temperature gauge, fuel gauge and tachometer shall be supplied. Monitor system and/or gauges with audible and visual warnings for all other functions			
Foot accelerator shall be supplied			
Electric starter shall be supplied			
Cold weather starting aid			
Pressurized liquid cooling system with thermostat and coolant recovery bottle. Anit-freeze -35 degrees F shall be supplied			
Engine Coolant heater to be supplied			
5. Weight Operating weight – 17,000 lbs. (7711 kg) minimum with ROPS cab and equipment specified. (without ballast in tires or loader bucket)			Specify:
Centre of gravity shall be well within the rear of the area enclosed by the chassis			
6. Transmission The transmission shall be automatic with torque converter, 5 forward and 3 reverse gears			Specify:
Maximum transport speed shall be no less than 24.9 MPH (40 km/h)			Specify:
Maximum speed in first gear at engine rate rpm shall not exceed			Specify:

3.5 mph (5.6km/h)			
Transmission shall have auto shift feature			Specify:
Clutches reversing shall be supplied by means of full powershift and torque converter			Specify:
7. Axels			Specify:
Static front axle load rating shall be 11023 lbs (5000 kg) minimum			
Rear axle shall be equipped with a foot operated, automatic release differential lock engageable on the go, and under full engine rpm.			Specify:
Mechanical front wheel drive engageable on the go shall be supplied			Specify:
Front axle completely sealed, with no vents so as to not allow contamination			Specify:
A front drive shaft guard is to be supplied			
Machine to be equipped with Automatic Ride Control			
8. Steering			
Full power steering, shock resistance and easily Operated by the operator whether sitting or standing. Emergency dead engine steering capability			
Bucket clearance circle of 37' (11.27m.) maximum without brakes applied and front wheel drive engaged			Specify:
9. Brakes			Specify:
Wet disc all hydraulic service brakes, self adjusting and self equalizing shall be supplied			
Parking brake supplied shall be independent of service brakes.			
When activated, the park brake shall neutralize the transmission			
Parking/secondary brake shall be of sufficient design to hold weight of machine on slope			
Parking brake shall have an indicator light and audible warning			
All brakes must conform to ISO 3450 specification			
10. Tires			

Front tires shall be Michelin Radial XMCL 340/80 R18 minimum			
Rear tires shall be Michelin Radial XMCL 500/70 R24 minimum			
Front Fenders to be supplied			
11. Frame			
Vehicle frame shall feature a single-piece weldment, full-length unitized main frame			
Front rubber grill bumpers			
Unit Shall have two front and one rear built-in transport tie-downs			
12. Cab			Specify:
An enclosed weather-proof deluxe steel cab shall be provided with dual side door openings for easy access to the driver's seat, with tinted safety glass, latched windows, lockable cab doors, and including sound suppression with maximum dBa rating of 76 dBa			
A roll over and falling objects protective structure shall be incorporated into the cab. (S.A.E. J 1040, J 1043 or J231)			
Seat - adjustable, air-suspension, turnable deluxe full padded with a shock resistance device, lumbar support and adjusting armrests.			
Seat belts as per S.A.E. J396 shall be supplied			
Heater - a cab heater, pressurizer ensuring operator's comfort at various outside temperatures. Heater to be 40,000 BTU/Hr minimum			
Factory installed air conditioning with minimum 26,000 BTU output shall be supplied			
Windshield wipers front and rear shall be supplied			
Lockable vandal protection shall be supplied for all liquid fill openings			
Interior rear-view mirror shall be supplied			
All controls shall be easily reached and operated from a sitting position			
Grab bars - one on each side shall be mounted outside cab.			

With bucket fully raised there shall be an exit from either side of the cab			
Slow moving vehicle rear warning emblem securely mounted on the tractor shall be supplied			
13.Loader Bucket			
To manufacturers' standard specification and a heavy duty welded steel construction.			
Type - front dumping with bolt on reversible cutting edge			
Width shall be adequate to clear the rear tread width			Specify:
A hydraulic attachment coupler with 3 rd valve, shall be supplied which is compatible with the specified loader bucket, and must be activated from a switch in the cab.			Specify:
14.Loader Operating Capacity			Specify:
Loader lift capacity shall be 7324 lbs. (3322 kg.) minimum to the full height with a 1.3 cu. yd. GP Bucket			
Loader breakout force shall be 10532 lbs. (46.8kN) minimum with GP bucket 1.3 cu. yd.			Specify:
The cutting edge clearance when the bucket is dumped at 45° shall be 8' 10" (2.68m) minimum with specified bucket			Specify:
Dump reach at full height shall be 27.4" (695 mm) minimum			Specify:
15.Loader Frame and Lift Arms			
The lift arms shall be of heavy duty welded construction			
All swivel points shall be equipped with replaceable hardened steel bushing			
Linkage shall be self-levelling with bucket position indicator			
16.Loader Controls			
The control valves shall be located so that these are easily accessible to the operator when loading or using the backhoe and provide good visibility of the bucket from all positions			
Transmission disconnect button on loader control lever shall be			

supplied			
An automatic bucket leveler, return to dig and float position shall be supplied			Specify:
17.Backhoe Operator Dimensions			
Loading height shall be 13'8" (4.17M) minimum with bucket pivot pin centre line to the ground line.			
Extendable dipperstick shall be fabricated utilizing an 'external box' design to protect the dipperstick section from damage and reduce contamination on the slide surfaces			Specify Capacity: Max. Dump Height:
18.Backhoe Operating Capacity			
The dipper lift capacity at the rated dump height, fully extended, measured at the bucket hinge pin, on the machine centreline, shall be 2,929 lbs. minimum using the dipper cylinders			Specify:
Digging force with bucket cylinder shall be 15,254 lbs. (67.8kN) minimum			Specify:
Swing arc shall be 180 degrees minimum			
Minimum S.A.E. J31 dipper lift capacity (retracted) of 4,681 lbs. to 12' (m) lift height			
Two lever pilot control with foot control for extendable dipperstick			Specify:
Control pattern switch shall be located in the cab			Specify:
190 degrees backhoe bucket rotation			Specify:
19.Backhoe Stabilizers			
Two hydraulically operated outriggers with reversible pads and lockouts in stabilizers (both up and down) shall be supplied, with automatic lift option.			
Rubber pavement pads on one side shall be supplied			Specify:
Operating stabilizer spread shall be 11'4" (3.45m)			
20.Backhoe Equipment			

Automatic hydraulic swing brakes or cushioning shall be supplied			
The backhoe shall be entirely hydraulically controlled with separate cylinders to control the bucket, boom and dipperstick			Specify:
AMI part # LBQT1214PG mechanical pin grab coupler or equivalent. Quick coupler feature to pick up buckets and attachments shall be supplied.			Specify Make:
Backhoe boom lock shall be controlled from the cab			
Auto Idle feature shall be included			Specify:
21.Backhoe Buckets AMI part # LBD1214E36 36" ditch cleaning bucket with reversible cutting edge (13.00 cu. ft. capacity), or equivalent shall be supplied			Specify Make:
22.Hydraulic System Open center hydraulic system for efficient operation of the loader and backhoe			Specify:
Gear type pumps shall be heavy duty continuous operating type, with 36 U.S. G.P.M. (136 L/min) capacity minimum with hydraulic cooler to facilitate operation of backhoe, loader and any attachments			
All hoses and fittings shall be Oring-flat face seal type located so that they are protected			
Loader auxiliary hydraulics with detent and quick coupler hydraulic fittings shall be included			
Single and dual flow backhoe auxiliary hydraulics with quick coupler hydraulic fittings shall be included to operate single and dual flow attachments			Specify:
23.Counter Weights The counterweights recommended by the manufacturer for efficient operation of the extendable dipperstick and coupler shall be supplied			
24.Paint Manufacturer's standard colours			

25. Radio AM-FM weather band radio shall be supplied			
26. Backup Alarm To operate automatically when shift lever is placed in reverse			
27. Operating Instruction An operator's manual shall be supplied with each unit			
Upon delivery there shall be familiarization for operators and maintenance personnel. Proof of WSIB and Insurance coverage required for employee conducting this training.			
28. Lights Four halogen work lights, front and rear, two rear stop and tail lights, two front and two rear turn signal lights, tow rear reflectors, instrument panel light and cab dome light with separate switch			
Amber and blue light bar installed with separate switches for each light 16399 Star Warning System with 98012 and 98014 mounting bracket			
29. Warranty Manufacturer's full machine warranty of 12 months with unlimited hours covering parts and labour shall be supplied. FOB Town of Minto Office, 5941 Hwy 89 Harriston, Ontario.			
Signed detailed outline of warranty duration and coverage must be supplied			
30. Product Support Operations manual shall be supplied			
Dealer must have service location within 150 kilometres of the Town of Minto Office, 5941 Hwy 89, Harriston, Ontario			
Options (Bidders are requested to bid, but not required to bid on any of these			Specifications

options)		
AMI Power tilt HYD pin grab		\$ _____
Quiktach Front Clam Bucket (1.5 Cubic Yards)		\$ _____
Quiktach Rear Wrist Bucket		
Extended Fender Kit		
5 year/4000 hr. extended power train warranty		\$ _____
5 year/4000 hr. full machine warranty		\$ _____

HLA SNOW

With front loader attachment

Specifications

Part #	Clearing Width Closed (in.)	Clearing Width Open (in.)	Overall Road Width (Angled) (in.)	Snow Clearing Width (Angled) (in.)	Mouldboard Height (in.)	Weight (lbs.)	Max Operating Weight (lbs.)
SB4200W814	93.5	165.5	91	135	34	2,705	25,000
SB4200W915	108	180	102	146	34	2,865	25,000
SB4200W1016	120	192	112	156	34	2,975	25,000
SB4200W1218	144	216	132	176	34	3,175	25,000
SB4200W1420	168	240	152	196	34	3,425	25,000

SB4200W915		\$ _____
Spill Guard		\$ _____
High Tensile Long Wear Skid Shoes		\$ _____
Rubber Cutting Edge		\$ _____
Extra set of blades and hardware		\$ _____

**TOWN OF MINTO
FORM OF QUOTATION**

This quote for the supply of one new 2017 Backhoe Loader – With Extendable Dipperstick Attachment and Four Wheel Drive

We hereby propose and agree to supply the unit for the following quote price:

QUOTE Price Including Attachments as Specified: (make)		\$
	Trade in Value of the 2007 JCB 3CX 4X4 V.I.N. SLP214TC7U0909712 (if applicable Town's sole discretion on whether to accept trade in.)	\$
DELIVERY DATE		
Subtotal		\$
HST		\$
Total		\$

DATED AT _____ **this** _____ **day of** _____ **2017.**

Witness to Bidder's Signature

Signature of Bidder

or

S E A L Bidder (Please Print)

Full Address

Telephone Number