

**FORM A: BID**  
(See B7)

1. Contract Title SUPPLY & DELIVERY OF AN INDUSTRIAL LOADER BACKHOE

2. Bidder

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Usual Business Name of Bidder as it appears on Invoice (if different from above)

\_\_\_\_\_  
Street

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

\_\_\_\_\_  
Postal Code

(Mailing address if different)

\_\_\_\_\_  
Facsimile Number

\_\_\_\_\_  
Street or P.O. Box

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

\_\_\_\_\_  
Postal Code

\_\_\_\_\_  
GST Registration Number (if applicable)

(Choose one)

The Bidder is:

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

\_\_\_\_\_  
Contact Person

\_\_\_\_\_  
Title

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Facsimile Number

\_\_\_\_\_  
Email Address

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work The Bidder agrees that no Work shall commence until he is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	_____	Dated	_____
	_____		_____
	_____		_____

9. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures The Bidder or the Bidder's authorized official or officials have signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Signature of Bidder or  
Bidder's Authorized Official or Officials

\_\_\_\_\_

(Print here name and official capacity of individual whose signature appears above)

\_\_\_\_\_

(Print here name and official capacity of individual whose signature appears above)

**FORM B: PRICES**  
(See B8)

**SUPPLY & DELIVERY OF AN INDUSTRIAL LOADER BACKHOE**

**UNIT PRICES**

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Industrial Loader Backhoe	12002	Each	1	
2.	24" Frost Bucket	12002	Each	1	
3.	32" Frost Bucket	12002	Each	1	
4.	Hydraulic Auger	12002	Each	1	

**FUEL CONSUMPTION**

5.	Fuel Consumption – litres per hour (under medium load)	/ Litres per Hour
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\_\_\_\_\_  
Name of Bidder

## FORM N: DETAILED SPECIFICATIONS 12002

### 1.0 **TYPE-**

- 1.1 Shall be **97-110 hp rubber tired four wheel drive industrial loader backhoe with bucket attachments** features as specified herein. The unit shall be the manufacturer's latest model. The equipment shall be new 2012 model year.
- 1.2 The **rubber tired four wheel drive industrial loader backhoe with bucket attachments** shall be furnished complete and ready for use. All parts not specifically mentioned, but which are required to complete and place the unit in successful operation, shall be furnished as though specifically mentioned in these specifications. The complete unit, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 1.3 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the unit.
- 1.4 The ratings specified herein merely state the minimum values acceptable to the City. There is no intent of implying that these values are sufficient for the design of the unit being bid.

### 2.0 **STANDARDS-**

- 2.1 **All applicable SAE standards** form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 2.2 The **rubber tired four wheel drive industrial loader backhoe with attachments** and all its components shall comply with the applicable regulations:

Highway Traffic Act = <http://web2.gov.mb.ca/laws/statutes/ccsm/h060e.php>

Manitoba Motor Vehicle Act = <http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/menu.htm>

Canadian Motor Vehicle Safety Standards, CMVSS = <http://www.gnb.ca/0062/regs/83-163.htm>

Transport Canada = <http://laws.justice.gc.ca/en/notice/index.html?redirect=%2Fen%2FM-10.01%2F250448.html>

National Safety Mark, NSM = <http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html>

Manitoba/Winnipeg Safety and Health Act = <http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> and <http://www.gov.mb.ca/labour/safety/>

Canadian Standards Association, CSA = <http://www.csa.ca/about/Default.asp?language=english>

Under Writers of Canada, U/L = <http://www.ulc.ca/>

Society of Automotive Engineers, SAE = [http://en.wikipedia.org/wiki/Society\\_of\\_Automotive\\_Engineers](http://en.wikipedia.org/wiki/Society_of_Automotive_Engineers)

**3.0 QUALIFICATIONS OF MANUFACTURER / CONTRACTOR-**

3.1 **The Contractor shall be an authorized distributor/supplier of the industrial tractor loader backhoe being bid.**

3.2 **The Contractor shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg.** The facility, or a portion thereof, shall be dedicated to the service and maintenance of the industrial tractor loader backhoe being offered. Further to B9.1, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience on industrial tractor loader backhoe equipment, and general service capabilities. A description of the service facility shall be provided within 3- Calendar Days upon request of the Contract Administrator.

**4.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS-**

4.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders shall state "yes" for compliance or state deviation, or give a reply where requested to do so.** Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

4.2 **Each bidder is required to fill in every blank. Failure to do so may be used as a basis for rejection of bid.**

**5.0 PERFORMANCE-**

5.1 Shall be capable of consistent top performance for construction and cemeteries, excavation work during the summer and winter environments which the applicable application and are normal to the City of Winnipeg. \_\_\_\_\_

**6.0 MAKE AND MODEL-**

6.1 **State make and model being bid-** \_\_\_\_\_

**7.0 WEIGHT AND DIMENSIONS- (As Bid)**

7.1 **Operating weight (as bid)** – 18,000lbs, **state weight-** \_\_\_\_\_

7.2 **Overall transport width** – 8'approx., **state-** \_\_\_\_\_

7.3 **Overall width** – Overall width stabilizer spread, outside edge of pad, **state-** \_\_\_\_\_

7.4 **Overall height (to top of cab)** –, **state-** \_\_\_\_\_

7.5 **Overall transport height** – 12' 8" approx., **state-** \_\_\_\_\_

7.6 **Overall transport length** – 24 ft. approx., **state-** \_\_\_\_\_

7.7 **Wheelbase** – 7' approx., **state-** \_\_\_\_\_

7.8 **Turning radius** – curb clearance with brakes applied, **state-** \_\_\_\_\_

**8.0 ENGINE-**

8.1 **Type** –Must be current Canadian Emission EPA compliances. Diesel, liquid cooled and turbo charged. Engines shall be warranted to use biodiesel at a B10 blend level (10% biodiesel to 90% ultra

- low sulphur diesel), where the biodiesel will meet product specification ASTM D 6751 to ensure fuel quality, **state-** \_\_\_\_\_
- 8.2 **Net horsepower-** Net horsepower as per SAE J1349 – 97-110 hp, **state-** \_\_\_\_\_
- 8.3 **Net peak torque-** Net peak torque as per SAE J1349, **state-** \_\_\_\_\_
- 8.4 **Fuel shut-off** – electric solenoid type. \_\_\_\_\_
- 8.5 **Filtration-** Fuel filter and water separator. \_\_\_\_\_
- 8.6 **Oil filter** – full flow, spin-on type. \_\_\_\_\_
- 8.7 **Air cleaner** – dry cartridge type with dash mounted restriction indicator. \_\_\_\_\_
- 8.8 **Throttle** – hand operated with foot override. \_\_\_\_\_
- 8.9 **Exhaust** – muffler vertical discharge with bend and 40° cut-off (rain cap unacceptable) \_\_\_\_\_
- 8.10 **Coolant** – extended life, ethylene glycol based, protected to -40° F/C. \_\_\_\_\_
- 8.11 **Engine block heater** – 750-1000 Watt. \_\_\_\_\_
- 8.12 **Cold weather starting aid** – glow plugs or air intake warmer, **state type-** \_\_\_\_\_
- 8.13 **Engine protection shutdown system** – shall provide visual and audible warning of principal machine systems including engine oil pressure and coolant temperature c/w engine shutdown. \_\_\_\_\_
- 9.0 TRANSMISSION-**
- 9.1 **Type** – power-shift transmission with torque converter. \_\_\_\_\_
- 9.2 **Shifting** – fully synchronized. \_\_\_\_\_
- 9.3 **Forward Speeds-** Speeds, forward – four (4). \_\_\_\_\_
- 9.4 **Reverse Speeds-** Speeds, reverse – three (3). \_\_\_\_\_
- 9.5 **Reverse Power Shift-** Power-shift direction reverser. \_\_\_\_\_
- 10.0 AXLES & BRAKES-**
- 10.1 **Four wheel drive (4WD)-** Complete unit must be four wheel drive (4WD) \_\_\_\_\_
- 10.2 **Front axle** – driven type with guarded drive shaft. \_\_\_\_\_
- 10.3 **Brakes** – wet disk type with individual pedals simultaneous or independent operation. \_\_\_\_\_
- 10.4 **Parking brake** – foot or hand operated. \_\_\_\_\_
- 11.0 TIRES, RIMS AND FENDERS-**
- 11.1 **Front tires** – Michelin or Bridgestone, bias type, **state-** \_\_\_\_\_
- 11.2 **Ply rating** – state rating- \_\_\_\_\_

- 11.3 **Tread** – lug type. \_\_\_\_\_
- 11.4 **Rear tires** – Michelin or Bridgestone, bias type, **state-** \_\_\_\_\_
- 11.5 **Ply rating** – state rating- \_\_\_\_\_
- 11.6 **Tread** – R4, industrial. \_\_\_\_\_
- 11.7 **Fenders** – required front and rear, rubber or polymer, **state material-** \_\_\_\_\_
- 12.0 FRONT END LOADER-**
- 12.1 **Lift capacity, full height** – 6500 lbs., **state-** \_\_\_\_\_
- 12.2 **Bucket breakout force** – 10,000 lbs., **state-** \_\_\_\_\_
- 12.3 **Clearance-** Dump clearance as bid (bucket @ 45°) – 102 in. approx., **state-** \_\_\_\_\_
- 12.4 **Controls** – single lever with clutch disconnect button, return-to-dig and float. \_\_\_\_\_
- 12.5 **Self-levelling-** Self levelling bucket with level indicator. \_\_\_\_\_
- 12.6 **Loader bucket** – flat bottom, general purpose type with **bolt-on cutting edge. Front bucket to have hooks for forks.** \_\_\_\_\_
- 12.7 **SAE heaped capacity** – 1.25 yd<sup>3</sup>, **state-** \_\_\_\_\_
- 12.8 **Machine Width-** Width to exceed machine width at rear tires. \_\_\_\_\_
- 12.9 **Wear plate(s)** – required to prevent bucket heel from rubbing on ground with bolt-on cutting edge in place. \_\_\_\_\_
- 12.10 **Lashing ring** – heavy duty, steel weld-on hook with spring mounted clasp, top-centre mounted at front of loader bucket, suitable for transporting hydraulic hammer in loader bucket. \_\_\_\_\_
- 12.11 **Loader safety prop bar** – required. \_\_\_\_\_
- 12.12 **Ride Control-** OEM smooth ride control, **state-** \_\_\_\_\_
- 13.0 BACKHOE-**
- 13.1 **Type** – centre pivot with extendable dipper-stick with extended boom \_\_\_\_\_
- 13.2 **Maximum digging depth** – 19' 6", **state digging depth-** \_\_\_\_\_
- 13.3 **Digging force, bucket cylinder (SAE), with 24 in. bucket** – 14,500-15,500 lbs., **state-** \_\_\_\_\_
- 13.4 **Digging force, crowd cylinder (SAE), with dipper-stick retracted** – 9000-10,000 lbs., **state-** \_\_\_\_\_
- 13.5 **Controls** – SAE excavator style, **pilot operated hydraulic joystick controls.** \_\_\_\_\_

- 13.6 **Quick coupler attachment bracket** – required for quick attachment of all buckets and hydraulic hammers. **Must have a Wain Roy quick change for rear bucket on boom.** \_\_\_\_\_
- 13.7 **Additional Hydraulic Lines**- Required Hydraulic Lines to accommodate a pilot hole auger attachment. \_\_\_\_\_
- 13.8 **Attachment bracket**- Attachment bracket shall permit use of two (2) bucket positions. \_\_\_\_\_
- 13.9 **Attachment bracket** shall permit bucket, bucket position changes and hydraulic hammer. \_\_\_\_\_
- 13.10 **24" and 32" Digging bucket** – 24" & 32" heavy duty digging bucket with replaceable pin-on teeth, complete with required attachment pin(s). Backhoe shall be delivered with the 24" Digging Bucket (w/teeth) installed. \_\_\_\_\_
- 13.11 **Safety Hooks**- All front and rear buckets supplied within the contract shall have a safety hooks. \_\_\_\_\_
- 13.12 **Buckets- (Pricing required on scheduled form B: Prices)**
- i) **24" Frost Tooth Bucket** \_\_\_\_\_
  - ii) **32" Frost Tooth Bucket** \_\_\_\_\_
  - iii) **Hydraulic Auger – Model Lowe SK225** \_\_\_\_\_
  - iv) **State optional price on Model Lowe SK250** \_\_\_\_\_
- 13.13 **Lifting Hooks**- All buckets to be complete with certified lifting hooks. \_\_\_\_\_
- 13.14 **Stabilizer pads** – reversible, flip-over type pads. \_\_\_\_\_
- 13.15 **Front counterweight** – Bidder to ensure and provide proper machine balance and roading characteristics. \_\_\_\_\_
- 13.16 Replaceable bushings and grease fittings at all backhoe pivot points, cylinder rod and closed ends, and bucket links. \_\_\_\_\_
- 13.17 **Auxiliary hydraulics**, couplers and controls shall be provided as required on all machines to accommodate hydraulic hammers. \_\_\_\_\_
- 13.18 **Hydraulic Thumb**- OEM recommended installed hydraulic thumb, **state-** \_\_\_\_\_
- 14.0 OPERATOR COMPARTMENT-**
- 14.1 **Type** – ROPS roll-over protective structure complete with pressurized cab, OSHA certified or equal. \_\_\_\_\_
- 14.2 **Cab layout**- Shall provide a comfortable seating position for a 95th percentile male in both the loader and backhoe operating positions. \_\_\_\_\_
- 14.3 **Insulation and headliner** – required for sound suppression and severe weather climate. \_\_\_\_\_
- 14.4 **Floor covering** – rubber matting, required throughout. \_\_\_\_\_



- 14.5 **Seat** – Air ride cushioned, adjustable bucket type with arm rests, cloth upholstery mechanical or air suspension with retractable seat belt. **State optional pricing for heated seat if available-** \_\_\_\_\_
- 14.6 **Ride control** – required, factory installed. \_\_\_\_\_
- 14.7 **Windows** – tinted safety glass with appropriate markings for all panes. \_\_\_\_\_
- 14.8 **Window Opening-** All windows shall be opening type where available. \_\_\_\_\_
- 14.9 **Ignition keys** – three (3) sets required per machine. \_\_\_\_\_
- 14.10 **Doors** – one (1) each side with spring assisted strut, lockable with common key. \_\_\_\_\_
- 14.11 **Interior rear-view mirror** – required. \_\_\_\_\_
- 14.12 **Windshield wipers** – intermittent preferred, required front and rear with washers. \_\_\_\_\_
- 14.13 **Heater/defroster** – heavy duty, hot water type with multi-speed fan, capable of keeping all windows clear at -40° F/C. \_\_\_\_\_
- 14.14 **Window fans** – **State optional price for two (2) window fans with guards-** \_\_\_\_\_
- 14.15 **Air conditioning** – factory installed with under hood compressor. (Note: roof mounted air conditioners are not acceptable.) \_\_\_\_\_
- 14.16 **Steps** – open grate type. \_\_\_\_\_
- 14.17 **Toolbox** – lockable, **state** location. \_\_\_\_\_
- 14.18 **Instrumentation:** \_\_\_\_\_
- 14.19 **Coolant temperature** – gauge with audible alarm. \_\_\_\_\_
- 14.20 **Engine oil pressure** – gauge or warning light with audible alarm. \_\_\_\_\_
- 14.21 **Transmission oil temperature** – gauge or warning light with audible alarm. \_\_\_\_\_
- 14.22 **Engine hour-meter** – required, non-resettable type. \_\_\_\_\_
- 14.23 **Tachometer** – required. \_\_\_\_\_
- 14.24 **Fuel gauge** – required. \_\_\_\_\_
- 14.25 **Noise level, interior** – 85 dB(A), measured in accordance with SAE J336, **state** noise level- \_\_\_\_\_
- 15.0 ELECTRICAL AND LIGHTING- (ALL LIGHTING SHALL BE LED WITH EXCEPTION OR THE WORK LIGHTS)**
- 15.1 **Type** – 12-Volt, negative ground electrical system. \_\_\_\_\_
- 15.2 **Electric starter** – required with keyed starter switch, if not key operator, provide starting details- \_\_\_\_\_
- 15.3 **Batteries** – dual 1000-1500 CCA combined capacity. \_\_\_\_\_

- 15.4 **Alternator** – 65 -75Amp, state capacity- \_\_\_\_\_
- 15.5 **Combination stop and tail lights** – two (2). \_\_\_\_\_
- 15.6 **Signal lights with warning flashers** – two (2) front and two (2) rear. \_\_\_\_\_
- 15.7 **Warning flashers**-Warning flashers shall be operable with the key removed. \_\_\_\_\_
- 15.8 **Headlights** – two (2). \_\_\_\_\_
- 15.9 **Work lights**-
- i) **Front** – four (4) front mounted, adjustable, located immediately below cab roof line. \_\_\_\_\_
  - ii) **Rear** – four (4) rear mounted, adjustable, located immediately below cab roof line. \_\_\_\_\_
  - iii) **Side – State optional price** for two (2) side mounted, located immediately below cab roof line. \_\_\_\_\_
- 15.10 **Independent on/off switch** for each pair of work lights, dash mounted, wired through ignition, labelled with permanent type, engraved style labels. \_\_\_\_\_
- 15.11 **Cab interior light** – required. \_\_\_\_\_
- 15.12 **Radio** – AM/FM/CD, factory installed. \_\_\_\_\_
- 15.13 **Radio installation provision** – 12 Volt, 20 Amp separate/independent circuit available at a spare circuit breaker, suitable for installation of a 2-way mobile radio. \_\_\_\_\_
- 15.14 **Horn** – operable from driving position and from backhoe position. \_\_\_\_\_
- 15.15 **Mini light bar** – Grote 76813, roof mounted, 360° visibility, wired through ignition, fused, dash mounted switch c/w permanent type, engraved style label. \_\_\_\_\_
- 15.16 **Mini light bar guard** – ramped, heavy duty bolt-on metal guard, designed to permit servicing of the light bar without being removed. \_\_\_\_\_
- 15.17 **Back-up alarm** – 97 dB(A), factory installed, mounted to be protected from damage. \_\_\_\_\_
- 15.18 **Wiring**- for all locally installed accessories shall be colour coded, loomed and properly secured. \_\_\_\_\_
- 15.19 **Splicing** in any factory harnesses is unacceptable. All electrical power for locally supplied electrical components shall be supplied from an OEM power distribution box. \_\_\_\_\_
- 15.20 **Wiring Joining**- All joining of wires and electrical connectors shall be soldered and sealed with heat shrink tubing. \_\_\_\_\_
- 15.21 **Wiring**- All wiring for work lights and warning lights shall be supplied with no exposed wiring. \_\_\_\_\_

**16.0 MISCELLANEOUS-**

16.1 **Hydraulic hammer** – State optional \$\$ price for a NPK E204 hammer or equivalent c/w required attachment pins and quick couplers. Hammer shall be complete with a lashing ring and suitable length heavy duty chain with forged slip hooks for safe and secure transport of hydraulic hammer in loader bucket.

\_\_\_\_\_

16.2 **Slow moving vehicle emblem** – Grote 71152 or equal c/w bracket, mounted to rear of backhoe.

\_\_\_\_\_

16.3 **Fuel tank** – fully fuelled upon delivery, state capacity-

\_\_\_\_\_

16.4 **Grease fittings** – readily accessible with remote grease zerks as required.

\_\_\_\_\_

16.5 **Automatic Greasing Systems** – CPL Groenveld or Lube Core required, state quantity of grease points and price per grease point-

\_\_\_\_\_

16.6 **Safety Equipment-** (10) ABC type fire extinguishers and first aid kit required. State location-

\_\_\_\_\_

**17.0 PERFORMANCE RELIABILITY-**

17.1 The responsibility for the design of the **97-110 hp rubber tired four wheel drive industrial loader backhoe with attachments**, its performance and reliability shall rest upon the Contractor.

\_\_\_\_\_

17.2 Where the **97-110 hp rubber tired four wheel drive industrial loader backhoe with attachments** develops “repeated failures” in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

\_\_\_\_\_

**18.0 TRAINING-**

18.1 The Contractor shall be required to provide training (at the Contractor’s expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel. The training shall be conducted in separate or combined sessions for each group of personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.

The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

Pricing should be based on two (2) business days for maintenance personnel and two (2) business days for operating personnel.

Note: The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

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18.2 Training Aides:

a) On the type of equipment being offered, **state if CD Rom training aides or on-line training are available-**

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18.3 What is the recommended minimum training duration for:

**Primary unit-**

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**For major attachments (if applicable):**

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18.4 State what other training aids are available (videos, CDs).

**For the primary unit-**

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**For major attachments (if applicable):**

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18.5 Training Materials and applicable manuals or on-line training material information must be provided to the Operator Training Branch of Public Works at the earliest possible opportunity, no later than (4) weeks prior to delivery, when supplying vehicles, equipment and related attachments. Send these materials, preferably in both electronic format and hard copy (training videos are to be supplied on either CD or DVD) to: Public Works Department, Human Resources Division Equipment Operator Training Branch

**102-1155 Pacific Avenue  
Winnipeg, MB  
R3E 3P1**

**Leanne Chetyrbok  
Equipment Operator Training Consultant**

Cell: (204) 451-3793

Contact e-mail: [lchetyrbok@winnipeg.ca](mailto:lchetyrbok@winnipeg.ca)

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**19.0 WARRANTY-**

19.1 Upon request, complete details of warranties shall be made available within twenty-four (24) hours of the request of the Contract Administrator.

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19.2 The Contractor shall warrant all equipment and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **two (2) years** from the date the equipment is put into service by the City of Winnipeg.

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19.3 Notwithstanding 19.2 above, the Contractor shall warrant

- all major components including, but not limited to, engine, transmission, final drives, all wheel drive system (and all components thereof), pumps and motors, axle assemblies, tandem drives, etc. against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City, articles that have become defective and not proven to have been caused by negligence on the part of the user within **five (5) years or 5000 hours** from the date the equipment is put into service by the City of Winnipeg.
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- 19.4 Notwithstanding 19.2 above, the Contractor shall warrant all attachments, and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **one (1) year** from the date the equipment is put into service by the City of Winnipeg.
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- 19.5 The warranty shall not include regular maintenance items or any item deemed as a consumable that is subject to everyday wear and tear, during the regular operation of the unit.
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- 19.6 Examples of items not covered under warranty:
- a) **Ground engaging tools such as bolt cutting edges or bucket teeth.**
  - b) **Maintenance items such as filters, oils, belts etc**
  - c) **Miscellaneous items such as wiper blades, lights.**
- 19.7 If the equipment provided by the Contractor contains any part manufactured by an outside source, that falls under the description in any one of the Clauses 19.6 above, and has a standard manufacture's warranty, the term's contained in the manufacture's warranty shall apply.
- 19.8 All warranty work performed by the contractor is be accompanied with a priced warranty invoice showing a zero balance minus any deductibles.
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- 19.9 The successful bidder shall provide all detailed warranty information on the product being bid and associated attachments including any exclusions.
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- 19.10 **Please provide optional price \$\$ for extended warranty options-**
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- 19.11 **State manufacturer's warranty on-**
- a) **Batteries-**
  - b) **Tires-**
- 
- 20.0 LITERATURE-**
- 20.1 Bidders shall submit within twenty-four (24) hours upon request of the Contract Administrator, current descriptive, detailed literature on the equipment being bid.
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- 21.0 DELIVERY-**
- 21.1 **Delivery Point-** The complete unit shall be serviced, ready for operation

and delivered F.O.B. with the freight prepaid, including invoice and N.I.V.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB.

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21.2 **Delivery Time-** Within **twenty (20) calendar weeks** from the date of official notification of award of contract. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. **State delivery time-**

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21.3 **Delivery Contact-** The Contractor shall contact the Contract Administrator prior to delivery of the equipment.

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21.4 **P.D.I-** A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list

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## 22.0 **MANUALS-**

22.1 Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.

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22.2 The following manuals shall be supplied with the units when delivered:

i) **Operator's manual – Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch reference item 18.5)**

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ii) **Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred.**

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**FORM O-PREVENTATIVE MAINTENANCE SCHEDULE**

Make: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Year: \_\_\_\_\_

Service/Parts Contact info: \_\_\_\_\_

***PM Checklist and Adjustments***

Please fill in all applicable areas and add any missing service intervals or component part numbers that are applicable to the supplied unit.

All items required to maintain warranties must be listed.

Description:	Capacity:	Type:	Description:	Capacity:	Type:
Engine Oil	Litres		Transmission	Litres	
Cooling System	Litres		Transfer Case	Litres	
Hydraulic Tank	Litres		Hydraulic System	Litres	
A/C Refrigerant	Lbs	R-134a	Brake Reservoir	Litres	
Fuel System	Litres		Differential (Front)	Litres	
Final Drives	Litres		Differential (Rear)	Litres	

Type of Filter:	OEM:	Wix:	Purolator:	Fram:	Baldwin:	Fleetguard:
Engine Oil						
Air Primary						
Air Secondary						
Primary Fuel						
Secondary Fuel Filter						
Cab Air Filter						
Hydraulic (pressure)						
Hydraulic (return)						
Transmission						
A/C Belt						
Alt Belt						
Water Pump Belt						
Serpentine Belt						

Make \_\_\_\_\_

Model: \_\_\_\_\_

Year: \_\_\_\_\_

Item	Recommended Service Intervals. Kms/Hours	Comments
List any one time services		
List any one time adjustments		
List regular Adjustments		
Initial Oil and Filter Change		
Engine Valve Lash and Fuel Injector, Timing Check.		
Engine Oil and Filter Changes and/or Oil Sample Intervals		
Lubrication Points and Intervals		
Transmission Filter/Screens- Replace/Clean and/or Obtain Oil Sample		
Primary Fuel Filter (Replace)		
Secondary Fuel Filter (Replace)		
Differential Oil Sample (Front)		
Final Drive Oil Sample (front)		
Hydraulic Filter (Replace and Obtain Oil Sample)		
Front Differential Fluid (Change)		
Rear Differential Fluid (Change)		
Differential Vents		
Transmission Oil (Change)		
Clean Transmission Magnetic Screen		



Make \_\_\_\_\_

Model: \_\_\_\_\_

Year: \_\_\_\_\_

Item	Recommended Service Intervals Kms/Hours	Comments
Change Final Drive Oil (Front)		
Clean Engine Crankcase Breather		
Hydraulic System Oil (Change)		
Engine Valve Lash and Fuel Inj. Timing (Check)		
Cooling system Water Temperature Regulator (Replace)		
Cooling System Coolant Extender (ELC)-Add		
Cooling System		
Wheel nut Torque and Intervals		
Check wheel Nut torque At Every service interval		
Refrigerant dryer (Replace)		

**FORM P-DATA COLLECTION SHEET FOR W.F.M.A**

<b>UNIT NUMBER</b>		
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<b>ITEMS</b>		<b>DETAILS FROM VENDOR</b>
MAKE/MANUFACTURER	(e.g. Ford, Volvo, etc.)	
MODEL	Enter model (e.g. F-350)	
YEAR	(Enter model year)	
DISCRIPTION/TYPE	(e.g. Truck, snow blower, mower, tractor)	
FUEL TYPE	(e.g. gas, diesel, hybrid, propane)	
RATED FUEL CONSUMPTION	(L/100 km, L/hr, etc.)	
GVWR	(In pounds [lbs.] and kilograms)	
GAWR FRONT		
GAWR REAR		
GCWR		
DIMENSION HEIGHT	(Overall height m)	
DIMENSION LENGTH	(Overall length m)	
DIMENSION WIDTH	(Overall width m)	
WHEELBASE		
DELIVERY DATE	(Confirmed date)	
SUPPLIER/DEALER	(Name, phone number, and contact person)	
ODOMETER/HOUR METER	(Upon delivery)	
V.I.N. NUMBER		
SERIAL NUMBER (if applicable)		
CAB CONFIGURATION	(Regular, Extended, Crew)	
M.G.I NUMBER (if applicable)		
KEY DOOR NUM		
KEY IGNITION NUM		
PAINT CODE	(Exterior colour)	
PAINT COLOUR	(Exterior colour)	
PAINT TRIM CODE	(Interior code #/colour)	
<b>ITEMS</b>	<b>SERVICE ITEMS</b>	<b>DETAILS FROM VENDOR</b>
ENGINE MAKE		
ENGINE MODEL		
ENGINE SERIAL NUMBER		
ENGINE HORSE POWER	(Enter as xxx H.P. @ xxxx RPM)	

ENGINE DISPLACEMENT	(In cubic inches and litres)	
CPL NUMBER		
ENGINE CYLINDERS	(Number of cylinders)	
ENGINE OIL CAPACITY	(Capacity with filter, in litres)	
ENGINE OIL FILTER PART NUMBER	(Number of filters and part numbers)	
ENGINE OIL TYPE	(e.g. 15W40, regular or synthetic)	
ENGINE AIR FILTER (PRI)	(Make, part number, quantity)	
ENGINE AIR FILTER (SEC)	(Make, part number, quantity)	
CAB FILTER	(Part number and location)	
FUEL TANK CAPACITY	(In litres)	
FUEL FILTER # PRIMARY	(Make, part number, and quantity)	
FUEL FILTER # SECONDARY	(Make, part number, and quantity)	
FUEL SEPARATOR	(Make, part number, and quantity)	
COOLANT TYPE	(Heavy-duty, extended life, or regular)	
COOLANT CAPACITY	(In litres)	
COOLANT FILTER NUMBER	(Part number)	
<b>TRANSMISSION</b>		<b>DETAILS FROM VENDOR</b>
TRANSMISSION MAKE	(Enter make & model)	
TRANSMISSION SERIAL NUMBER		
TRANSMISSION TYPE	(Hydrostatic, standard, automatic)	
TRANSMISSION FLUID CAPACITY	(in litres)	
TRANSMISSION FLUID TYPE	(Dextron III, synthetic, weight, etc.)	
TRANSMISSION FILTER(S)	(# of filters and part numbers; internal and external filters)	
TRANSMISSION FILTER KITS	(Gasket, o-ring, secondary filters etc.)	
TRANSMISSION COOLER	(Make and part number if applicable)	
<b>FRONT DIFFERENTIAL</b>		<b>DETAILS FROM VENDOR</b>
DIFFERENTIAL MAKE		
DIFFERENTIAL MODEL		
DIFFERENTIAL SERIAL #		
DIFFERENTIAL OIL TYPE	(e.g. 80W90, synthetic)	
DIFFERENTIAL CAPACITY	(In litres)	
<b>REAR DIFFERENTIAL</b>		<b>DETAILS FROM VENDOR</b>
DIFFERENTIAL MAKE		

DIFFERENTIAL MODEL		
DIFFERENTIAL SERIAL #		
DIFFERENTIAL OIL TYPE	(e.g. 80W90, synthetic)	
DIFFERENTIAL CAPACITY	(In litres)	
<b>TIRES/WHEELS/ETC.</b>		<b>DETAILS FROM VENDOR</b>
TIRE MANUFACTURER & BRAND		
TIRE SIZE FRONT		
TIRE SIZE REAR		
WHEEL NUT TORQUE	(lb-ft)	
WHEEL NUT RE-TORQUE INTERVAL		
FINAL DRIVE/HUB	(Oil type and capacity)	
WHEEL SPINDLES OIL CAPACITY	(In litres)	
WHEEL SPINDLES FLUID TYPE	(e.g. 80w90, Dextron, synthetic)	
POWER STEERING CAPACITY	(In litres)	
POWER STEERING FLUID TYPE	(e.g. ATF or synthetic)	
POWER STEERING FILTER #	(Make, part number, quantity)	
BRAKE FLUID	(Type)	
BRAKE TYPE	(Hydraulic/air)	
<b>MISC. ITEMS</b>		<b>DETAILS FROM VENDOR</b>
ALTERNATOR	(Enter make, model, part #)	
ALTERNATOR AMPS	Integers only (e.g. 105, 125, etc.)	
BATTERY MAKE		
BATTERY MODEL		
BATTERY CCA		
BATTERY QTY.		
BATTERY VOLTAGE		
BELT A/C PART #	(Enter make and part number)	
BELT COMPRESSOR PART #		
BELT FAN PART #		
BELT ALTERNATOR PART #		
BELT STEERING	(V-belt or serpentine, quantity)	
BELT STEERING PART #		
BELTS OTHER		

COMPRESSOR CFM	(e.g. 13.2, 15, 18)	
COMPRESSOR MODEL	(Enter make and model)	
COMPRESSOR PART #		
AIR DRYER	(Enter make and model)	
AIR DRYER PART/SERIAL #		
AIR DRYER DESCRIANT		
AIR DRYER FILTER	(part number)	
AUX. HEATER TYPE	(Diesel, electric, etc.)	
AUX. HEATER MAKE		
AUX. HEATER MODEL		
AIR CONDITIONING	(Type, 113 etc.)	
AIR CONDITIONING CAPACITY	(lbs)	
A/C RECEIVER DRYER PART #	(part, number)	
<b>ATTACHMENT ITEMS</b>	(Construction equipment)	<b>DETAILS FROM VENDOR</b>
SKID SHOE	(part number)	
STINGER BLADES	(part number)	
STINGER TEETH	(Quantity and part number)	
BUCKET TEETH	(Quantity and part number)	
CUTTING TOOTH		
CLAM BUCKET BLADE	(Dimensions and part number)	
UTILITY BUCKET BLADE	(Dimensions and part number)	
BOX SCRAPER BLADE	(Dimensions and part number)	
BUCKET CAPACITY		
BUCKET BLADES AND SIDES	(Quantity and part number)	
GRADER BLADES	(part number)	
GRADER ICE BLADES	(Part number)	
WING BLADES	(Part number)	
<b>BODY UNIT ITEMS</b>		<b>DETAILS FROM VENDOR</b>
BODY SUPPLIER	(Name and contact number)	
BODY TYPE		
BODY MAKE		
BODY MODEL		
BODY SERIAL NUMBER		
BOX SIZE	(Length and/or capacity)	

<b>HYDRAULICS</b>		<b>DETAILS FROM VENDOR</b>
HYDRAULIC PUMP	(Make, model and capacity)	
PTO	(Make, model and shift type)	
HYDRAULIC TANK CAPACITY	(In litres)	
HYDRAULIC FILTER NUMBER	(Filter number and screen numbers)	
HYDRAULIC FLUID TYPE	(e.g. N22, synthetic)	
HYDRAULIC FILTER	(Make, quantity and part number)	
HYDRAULIC SCREEN	(Make, quantity and part number)	
HYDRAULIC BREATHER	(Make, quantity and part number)	
HYDRAULIC SPINNER		
HYDRAULIC SPINNER MAKE		
HYDRAULIC SPINNER MODEL		
HYDRAULIC SPINNER SERIAL #		
CONVEYOR MOTOR MAKE		
CONVEYOR MOTOR MODEL		
CONVEYOR MOTOR SERIAL #		
CYCLE TIME DOWN		
CYCLE TIME UP		
<b>SANDER/DUMP CONTROLS:</b>		<b>DETAILS FROM VENDOR</b>
CONTROL SYSTEM MAKE		
CONTROL SYSTEM MODEL		
CONTROL SYSTEM SERIAL #		
CONTROL SYSTEM PART #		
CONVEYOR CHAIN	(Length and part #)	
SENSORS	(Part #s)	
CALCIUM PUMP MAKE		
CALCIUM PUMP MODEL		
CALCIUM PUMP SERIAL #		
CALCIUM PUMP CAPACITY		
<b>UNIT ITEMS</b>	<b>ATTACHMENT(S)</b>	<b>DETAILS FROM VENDOR</b>
TYPE	(e.g. snow blower, mower, spreader, etc.)	
MAKE/ MANUFACTURER	(e.g. John Deere, Colpron, etc.)	
MODEL		

YEAR	(Enter year manufactured)	
AUX. ENGINE	(Make and model)	
AUX. ENGINE DISPLACEMENT	(In cubic inches and litres)	
AUX. ENGINE SERIAL #		
SUPPLIER/DEALER	(Name, phone number, and contact person)	
FUEL TYPE	(e.g. gas, diesel, propane)	
ODOMETER/HOUR METER		
AUX. ENGINE HORSE POWER	(Enter as xxx H.P. @ xxxx RPM)	
AUX. ENGINE CYLINDERS	(Number of cylinders)	
AUX. ENGINE OIL CAPACITY	(Capacity with filter, in litres)	
AUX. ENGINE OIL FILTER PART #	(Number of filters and part number)	
AUX. ENGINE OIL TYPE	(e.g. 15W40, regular or synthetic)	
AUX. ENGINE AIR FILTER (PRI)	(Make, part number, quantity)	
AUX. ENGINE AIR FILTER (SEC)	(Make, part number, quantity)	
<b>HYDRAULICS</b>	<b>ATTACHMENT(S)</b>	<b>DETAILS FROM VENDOR</b>
HYDRAULIC DRIVE MAKE	(Enter make & model)	
HYDRAULIC DRIVE MODEL		
HYDRAULIC DRIVE SERIAL #		
HYDRAULIC DRIVE TYPE	(Hydrostatic, standard, automatic)	
HYDRAULIC DRIVE FLUID CAPACITY	(in litres)	
HYDRAULIC DRIVE FLUID TYPE	(Dextron III, synthetic, etc.)	
HYDRAULIC DRIVE FILTER(S)	(# of filters and part numbers; internal and external filters where applicable)	
HYDRAULIC DRIVE COOLER	(Part number if applicable)	
HYDRAULIC BREATHER CAP	(Part number if applicable)	
<b>SWEEPER</b>		<b>DETAILS FROM VENDOR</b>
BROOM SEGMENTS	(part #)	
WATER FILTER	(part #)	
WEAR PLATES	(part #)	
ROLLERS	(part #)	
SKID SHOES	(part #)	





## FORM Q-SUSTAINABILITY QUESTIONNAIRE

### **Product Information**

(Yes/No)

#### **Product Sustainability: High Quality, Small Ecological Footprint**

1. Have you employed environmentally innovative best practices and/or technologies in the goods you are supplying in this Bid Opportunity as compared to similar goods? If yes, please describe them below.

Describe:

2. Have you obtained 3rd party environmental certifications for any of the products that you are supplying in this Bid Opportunity?

Describe:

3. Have you performed a life cycle assessment of the goods you are supplying in this Bid Opportunity? If yes, please describe below.

Describe:

4. Are there any other environmentally innovative best practices and/or technologies in the goods you are supplying in this Bid Opportunity that we could have specified in this tender, but have not? If yes, please describe them below.

Describe:

### **Company Information**

#### **Energy and Climate: Reducing Energy Costs and Greenhouse Gas Emissions**

1. Have you measured your corporate greenhouse gas emissions? If yes, please report your total annual greenhouse gas emissions reported in the most recent year measured?

Describe:

2. Have you set publicly available greenhouse gas reduction targets? If yes, what are those targets?

Describe:

**Material Efficiency: Reducing Waste and Enhancing Quality**

1. Do you measure the total amount of solid waste generated from the facilities that produce your product(s) for this Bid Opportunity? If yes, please report for the most recent year measured.

Describe:

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2. Have you set publicly available solid waste reduction targets? If yes, what are those targets?

Describe:

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3. Do you measure the total water use from facilities that produce your product(s) for this Bid Opportunity? If yes, please report for the most recent year measured.

Describe:

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4. Have you set publicly available water use reduction targets? If yes, what are those targets?

Describe:

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**Natural Resources: Responsibly Sourced Raw Materials**

1. Have you established publicly available sustainability purchasing guidelines for your direct suppliers that address issues such as environmental compliance, employment practices and product safety?

Describe:

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**Social Responsibility: Ensuring Responsible and Ethical Production**

1. Do you have a process for managing social compliance at the manufacturing level?

Describe:

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2. Do you work with your supply base to resolve issues found during social compliance evaluations and also document specific corrections and improvements?

Describe:

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3. Do you invest in community development activities in the markets you source from and/or operate within? \_\_\_\_\_

Describe:

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