

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

1. Contract Title SUPPLY & DELIVERY OF TRAILER MOUNTED CRACK SEALER

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 TRAILER MOUNTED CRACK SEALER**

**UNIT PRICES**

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Trailer Mounted Crack Sealer	12010	each	1	

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Name of Bidder

## FORM N: DETAILED SPECIFICATIONS 12010

### 1.0 TYPE-

- 1.1 Shall be a **Trailer Mounted Crack Sealer** features as specified herein. The unit shall be the manufacturer's latest model. The equipment shall be new 2011 or 2012 model year.
- 1.2 The Trailer Mounted Crack Sealer shall be furnished complete and ready for use. All parts not specifically mentioned, but which are required to complete and place the units in successful operation, shall be furnished as though specifically mentioned in these specifications. The complete units, 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 **Trailer Mounted Crack Sealer** 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 **Trailer Mounted Crack Sealer** 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 The **Trailer Mounted Crack Sealer** shall be capable of consistent top performance for heating and applying asphalt sealant during the summer environment that is normal to the City of Winnipeg. \_\_\_\_\_

**6.0 MAKE AND MODEL-**

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

**7.0 DIMENSIONS & WEIGHTS-**

7.1 Operating weight – **state-** \_\_\_\_\_

7.2 Maximum overall length – **state-** \_\_\_\_\_

7.3 Maximum overall height – **state-** \_\_\_\_\_

7.4 Maximum overall width – **state-** \_\_\_\_\_

**8.0 HEATING TANK-**

8.1 Tank capacity – 132-265 gallons at 21°C, **state capacity-** \_\_\_\_\_

8.2 Asphalt tank – fully enclosed. \_\_\_\_\_

8.3 Covered insulation – shall be provided to protect workers, **state material and thickness-** \_\_\_\_\_

8.4 Loading hatch – shall have an anti-splash provision. \_\_\_\_\_

8.5 **State** hatch dimensions. \_\_\_\_\_

8.6 **State loading height-** \_\_\_\_\_

8.7 Agitation – **state type-** \_\_\_\_\_

**9.0 HEATING SYSTEM-**

- 9.1 Oil heater shall be a diesel fired burner with \_\_\_\_\_
- 9.2 Capacity – 250,000-300,000 BTU, **state-** \_\_\_\_\_
- 9.3 Burner to have an electric spark igniter. \_\_\_\_\_
- 9.4 Melt rate – **state-** \_\_\_\_\_
- 9.5 Heat transfer oil to be continuously circulated around asphalt tank, state pump capacity. \_\_\_\_\_
- 9.6 Temperature control shall be via a thermostatically controlled high-temperature limit switch. \_\_\_\_\_
- 9.7 Temperature gauges shall display the temperature of the heating oil, the asphalt material in the tank and the temperature of the asphalt material on the discharge side of the pump. \_\_\_\_\_

**10.0 PUMPING UNIT & PIPING-**

- 10.1 Asphalt pump shall be a 51 mm (2 in.) positive displacement unit, jacketed and heated by the heat transfer oil. \_\_\_\_\_
- 10.2 Pump shall be reversible to allow material to be pumped back into the material tank. \_\_\_\_\_
- 10.3 All hydraulic motors shall be driven by a single hydraulic pump. \_\_\_\_\_
- 10.4 Control valves for all hydraulic functions shall be located at the rear of the unit on the curb side. \_\_\_\_\_

**11.0 SEALANT HOSE & APPLICATOR**

- 11.1 Hose – shall be designed for use with petroleum based products up to 230°C @ 4100 kPa (446°F @ 595 psi.). \_\_\_\_\_
- 11.2 Hose – steel braided oil resistant liner with insulation, 25 mm (1 in.) diameter approx., **state-** \_\_\_\_\_
- 11.3 Length – Approx 6.0 m (20 ft.) long, **state-** \_\_\_\_\_
- 11.4 Applicator – light weight design with insulated handles, shall be un-heated \_\_\_\_\_
- 11.5 Equipped with a valve to control the flow of material. \_\_\_\_\_
- 11.6 Clean-out shall not require any solvent under normal operating conditions. \_\_\_\_\_
- 11.7 Provide description of cleanout: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**12.0 ENGINE & ENGINE EQUIPMENT –**

- 12.1 Type – diesel fuelled engine. \_\_\_\_\_
- 12.2 **State make and model being bid-** \_\_\_\_\_
- 12.3 Displacement – **state-** \_\_\_\_\_
- 12.4 Horsepower – 23-26 hp @ 3000 rpm. \_\_\_\_\_
- 12.5 Oil filter – full flow spin-on type. \_\_\_\_\_
- 12.6 Exhaust – mufflered. **State** DBA- \_\_\_\_\_
- 12.7 Fuel tank –, **State** capacity, fully fuelled upon delivery. \_\_\_\_\_
- 12.8 Electric starter – key type electric starter c/w three (3) sets of ignition keys. \_\_\_\_\_
- 12.9 Battery – readily accessible for servicing, 400 CCA. \_\_\_\_\_
- 12.10 Alternator/generator – state type and output. \_\_\_\_\_
- 12.11 Hour-meter – required, non-resettable type. \_\_\_\_\_
- 12.12 Engine location- Engine shall be located at front of trailer near trailer Hitch. (Rear of trailer location is not acceptable) \_\_\_\_\_

**13.0 TRAILER**

- 13.1 Frame – heavy duty welded steel frame to match GVWR. \_\_\_\_\_
- 13.2 Axles – **state** single or tandem- \_\_\_\_\_
- 13.3 Axle weight rating to match GVWR, **state** rating- \_\_\_\_\_
- 13.4 Suspension – spring type. \_\_\_\_\_
- 13.5 Wheels & tires – demountable rims with 6-ply tires minimum, **state** size and rating- \_\_\_\_\_
- 13.6 Brakes – surge type hydraulic brakes with reverse lockout or electric brakes, **state** type- \_\_\_\_\_
- 13.7 Pintle eye – 63-76 mm (2½-3 in.) ID lunette eye, approx. 61 cm (24 in.) above ground. \_\_\_\_\_
- 13.8 Safety chains – two (2) chains, shall conform with CMVSS and the Manitoba Highway Traffic Act. Eye hooks to be complete with spring closures. \_\_\_\_\_
- 13.9 Jack stand – screw type, heavy duty with sandpad, pin on type, snap ring is not acceptable. \_\_\_\_\_
- 13.10 Mudflaps – black, rubber, no-name, required at rear of tires. \_\_\_\_\_

13.11 Fire Extinguisher- (10 lbs.) ABC type, **state location-** \_\_\_\_\_

**14.0 ELECTRICAL AND LIGHTING**

14.1 Shall be equipped with a 12-Volt, negative ground electrical system that satisfies the requirements of the CMVSS and the Manitoba Highway Traffic Act and includes at least the following:

14.2 Combination turn/stop and taillights – LED type, **state** part # - \_\_\_\_\_

14.3 Clearance lamps – LED type, **state** part # - \_\_\_\_\_

14.4 Light cluster – LED type, **state** part #- \_\_\_\_\_

Note: Light cluster required if unit is over 203 cm (80 in.) wide.

14.5 Rear taillights and light cluster shall be housed in steel enclosures. \_\_\_\_\_

14.6 License plate lamp – Truck-Lite P/N 15040, complete with license plate bracket. \_\_\_\_\_

14.7 Harness – Truck-Lite 50 Series harness system, properly routed and secured. \_\_\_\_\_

14.7.1 All harnesses shall be internally grounded, no exceptions. \_\_\_\_\_

14.8 Junction box – P/N 50400, complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside of trailer frame. \_\_\_\_\_

14.9 All plug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly. \_\_\_\_\_

14.10 Trailer plug – six-pole, Cole Hersee 1254 or equal c/w cable protector, wired according to code. \_\_\_\_\_

14.11 Warning beacon – Preco 4261A, top mounted, wired in a fused circuit. \_\_\_\_\_

14.12 All wiring for trailer connector and accessories shall be colour coded, loomed and properly secured. \_\_\_\_\_

14.13 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. \_\_\_\_\_

14.14 All joining of wires shall be soldered and sealed using heat shrink tubing or approved OEM weathertight connections (crimp on electrical connectors for joining wires are not acceptable). \_\_\_\_\_

14.15 Any holes required to run wires through shall be drilled (not punched), grommeted and sealed as required. \_\_\_\_\_

14.16 **State optional price for electric over night heater plug in to keep material warm-** \_\_\_\_\_

**15.0 TRAINING-**

15.1 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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15.2 Training Aides:

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

15.3 What is the recommended minimum training duration for:

Primary unit- \_\_\_\_\_

For major attachments (if applicable): \_\_\_\_\_

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

For the primary unit- \_\_\_\_\_

For major attachments (if applicable): \_\_\_\_\_

15.5 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)

**16.0 WARRANTY**

16.1 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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**17.0 MANUALS-**

17.1 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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17.2 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 15.5)**
  - ii) **Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred.**
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**18.0 DELIVERY-**

18.1 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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18.2 Delivery Time- **Within ten (10) 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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18.3 Delivery Contact- The Contractor shall contact the Contract Administrator prior to delivery of the equipment.

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18.4 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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**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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