

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

1. Contract Title SUPPLY & DELIVERY OF A RECYCLING TRUCK

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 N: DETAILED SPECIFICATIONS 11065

### 1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE-

- 1.1 These specifications describe the **Supply and Delivery of a Recycling Truck** and other equipment and features as specified herein.
- 1.2 The **Recycling Truck** shall be a new 2012 or 2013 model year or newer.
- 1.3 Shall be capable of consistent top performance for the **Recycling Truck Application in the City of Winnipeg**.
- **Bins are located at 7 depot locations.**
  - **All depots have 15 bins (9 paper / 6 mixed containers)**
  - **600 gal or 3 yd. bins.**
  - **Bins are 600 gallon known as EMCO style in the USA.**
- 1.4 The Recycling Truck and all other items/components shall be the manufacturer's latest models. The recycling truck shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the recycling truck in successful operation shall be furnished as though specifically mentioned in these specifications. The complete Recycling Truck, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.

### 2.0 OTHER SPECIFICATIONS AND 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 **Recycling Truck** and all its components and attachments shall comply with the applicable regulations:

[Highway Traffic Act = http://web2.gov.mb.ca/laws/statutes/ccsm/h060e.php](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](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](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](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](http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html)

[Manitoba/Winnipeg Safety and Health Act, Parts 12, 22 = http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php](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](http://www.csa.ca/about/Default.asp?language=english)

[Under Writers of Canada, U/L = http://www.ulc.ca/](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)

2.3 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 units.

2.4 All welds shall be continuous welds. All welding performed shall conform to CSA Standard W47.1-03 and W59-03. All welds are subject to inspection by a City of Winnipeg Qualified Inspector.

### **3.0 SERVICE FACILITY-**

3.1 For the purpose of warranty repairs, the supplier shall have an authorized service facility located within 10 kilometres of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment 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, and general service capabilities within three (3) Business Days upon request of the Contract Administrator

3.2 **State location:** \_\_\_\_\_

### **4.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS-**

4.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

4.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

4.3 **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 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR-**

5.1 The **bidder must be an authorized dealer of the recycling body being bid** and shall have five (5) years continuous experience distributing and service recycling trucks.

5.2 The **manufacture** shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry.

### **6.0 REFERENCE LIST-**

6.1 The bidder shall provide three (3) Canadian references:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

### **7.0 ELIGIBLE MODELS-**

7.1 **PAK-MOR HLR SERIES OR PENDPAC SPRINTER** or equivalent in accordance to B5. Substitutes stated herein. \_\_\_\_\_

**8.0 GVWR /WEIGHT DISTRIBUTION-**

8.1 The **Recycling Truck** shall not exceed the City of Winnipeg’s limit for gross vehicle weight, axle and tire loads

**Note: The City of Winnipeg and the Province of Manitoba limits the gross vehicle weight and axle and tire loads to:**

- Front axle (steering axle) – 7300 kg (16,094 lbs.).
- Rear axle (tandem axle) – 16 000 kg (35,274 lbs.).
- Tire load – 9 kilograms for each millimetre width of tire (approx. 500 lbs. per inch of tire width).

8.2 **Weigh scale ticket** – The Contractor shall provide a certified weigh scale ticket upon delivery of the completed unit. The scale ticket shall include front and rear axle weights including one **(1) operator**, and all attachments.

**9.0 PERFORMANCE RELIABILITY-**

9.1 The responsibility for the design of the **Recycling Truck**, its performance and reliability shall rest upon the Contractor.

9.2 The term “**repeated failures**” as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the vehicle inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, of assembly. Minor items or ordinary service adjustments are not included, or considered under the scope of “repeated failures”, as well as other factors, such as operational damage due to accidents, misuse or lack of proper maintenance, service and lubrication attention by not following the manufacturer’s preventative maintenance schedule.

9.3 Where the **Recycling Truck** develops “repeated failures” in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

**10.0 CHASSIS SPECIFICATIONS- (CHASSIS MUST BE SUPPLIED FROM A LOCAL WINNIPEG DEALER CHASSIS PROVIDER)**

**10.1 GVWR/ DIMENSIONS/TURING RADIUS -**

**GVWR Total** 58,000 lbs. As required for 29-30 cubic yard recycling body

**GVWR Front** 18,000 lbs. As required for 29-30 cubic yard recycling body

**GVWR Rear** 40,000 lbs. As required for 29-30 cubic yard recycling body

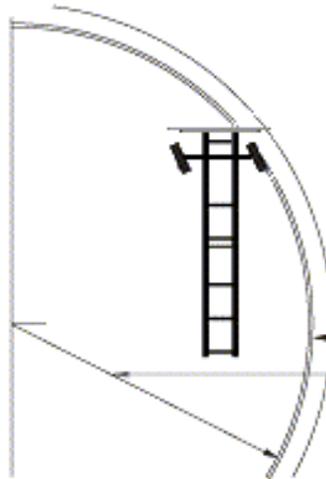
10.2 **Cab to Axle** As required for 29-30 cubic yard recycling body, **state-**

10.3 **Wheelbase** As required for 29-30 cubic yard recycling body, **state-** \_\_\_\_\_

10.4 **Turning radius** **State-** \_\_\_\_\_

10.5 **Turning Radius** **State** the vehicle turning radius, wall to wall. Curb to Curb.

**Example:**



	Left Turn	Right Turn	Tolerance
Wall to Wall Diameter (ft)	130.9	111.4	+/- 3.0
Curb to Curb Diameter (ft)	127.2	106.9	+/- 3.0
Turning Radius (ft)	62.9	52.7	+/- 1.5

- a) Wall to Wall (ft)- \_\_\_\_\_
- b) Curb to Curb(ft)- \_\_\_\_\_
- c) Turning Radius (ft)- \_\_\_\_\_

**11.0 ENGINE**

- 11.1 Type Diesel, inline 6-cylinder \_\_\_\_\_
- 11.2 Horsepower 330-350 HP gross \_\_\_\_\_
- 11.3 Torque 1000 lbs. ft. torque \_\_\_\_\_
- 11.4 Engine shut down Low oil pressure / high water temperature \_\_\_\_\_
- 11.5 Air intake warmer Required \_\_\_\_\_
- 11.6 Fuel Shut-off Electric solenoid type \_\_\_\_\_
- 11.7 Air intake As per refuse recycling application \_\_\_\_\_
- 11.8 Air cleaner Dry type, suitable recycling application \_\_\_\_\_
- 11.9 Air intake restriction ind. Dash mounted restriction indicator \_\_\_\_\_
- 11.10 Oil drain plug Magnetic type \_\_\_\_\_
- 11.11 Oil filter Full flow, spin-on type \_\_\_\_\_
- 11.12 Fuel filter Spin-on type \_\_\_\_\_
- 11.13 Fuel/water separator Heated, drainable, mounted under hood, located to be protected from road spray \_\_\_\_\_
- 11.14 Fuel line primer pump Required \_\_\_\_\_

11.15	Block heater	Immersion type, 1000 Watt with covered recessed male plug, located under driver's side door	_____
11.16	Coolant	Extended Life coolant, antifreeze to -35°F (-37°C)	_____
11.17	Coolant filter	Required	_____
11.18	Coolant hoses	Silicone type or Gates Blue Stripe	_____
11.19	Fan Drive	Thermostatically controlled, automatic type	_____
11.20	Air compressor	Water cooled, pressure lubricated, 13-15 cfm	_____
11.21	PTO Provision	Front engine PTO with adapter plate	_____

**12.0 ELECTRICAL SYSTEM**

12.1	Electrical connectors	Plug-in, sealed type	_____
12.2	Alternator	145 Amp	_____
12.3	Starter	With over crank protect and thermal protection	_____
12.4	Circuit breakers	Auto-reset, readily accessible	_____
12.5	Batteries	Three (3), 12-volt, group 31, 2250 CCA combined, Located as to not impede with body installation	_____
12.6	Battery Box	Under cab	_____
12.7	Battery disconnect	In-cab mounted outboard of driver's seat	_____
12.8	Battery boost terminal	Remote battery boost terminal(s), protected from road spray, covered, <b>state location-</b>	_____
12.9	Cab marker lights	LED	_____
12.10	2-way radio circuit	Independent 20 Amp circuit, ignition powered, wired under dash loose, labelled	_____
12.11	Accessory switches	Three (3) required. All switches complete and wired for body installation, labeled and backlit	_____

**13.0 EXHAUST SYSTEM**

13.1	Configuration	As required for 29-30 cubic yard recycling body, <b>State location-</b>	_____
13.2	Overall exhaust height	To clear recycling body	_____
13.3	Heat shield	Required over exhaust next to cab door	_____

**14.0 TRANSMISSION**

14.1	Model	Allison 3500 RDS with 5-speed programming, ratio shall be as per inter city recycling truck application	_____
14.2	Shift selector	Digital push-button type, dash mounted	_____
14.3	Cooling capacity	Water to oil transmission cooler, as per manufacturer's recommendation for severe duty cycle	_____
14.4	Oil level dipstick	Bayonet type with high and low level markings	_____

14.5 Trans. drain plug Magnetic type \_\_\_\_\_

**15.0 FRONT AXLE**

15.1 Type Meritor, 18,000 lbs. capacity \_\_\_\_\_

**16.0 REAR AXLE**

16.1 Type Meritor, 40,000 lbs. capacity \_\_\_\_\_

16.2 Ratio For 110 km/hr top speed and within City application  
for recycling depot bin pick up, **state ratio-** \_\_\_\_\_

16.3 Inter-axle lock Required w/dash mtd. switch \_\_\_\_\_

16.4 Differential lock Required for both drive axles w/dash mtd. switch \_\_\_\_\_

**17.0 HUB SEALS**

17.1 Type Oil lubricated front and rear \_\_\_\_\_

**18.0 FRONT SUSPENSION**

18.1 Type Multi-leaf spring suspension, 18,000 lbs. capacity \_\_\_\_\_

**19.0 REAR SUSPENSION**

19.1 Type Air ride suspension, 40,000 lbs. capacity, axle  
Shall be as per recommendation from the body  
Manufacture for the recycling refuse application \_\_\_\_\_

19.2 Susp. control valve Manual dump valve for air suspension c/w dash  
mtd. switch, indicator light, gauge and buzzer \_\_\_\_\_

**20.0 RIMS, WHEELS**

20.1 Front aluminum, hub piloted, rated for requested GVWR \_\_\_\_\_

20.2 Rear aluminum, hub piloted, rated for requested GVWR \_\_\_\_\_

**21.0 TIRES, FRONT**

21.1 Make & Model Rated for requested GVWR and application, **state-** \_\_\_\_\_

21.2 Size Rated for requested GVWR and application, **state-** \_\_\_\_\_

**22.0 TIRES, REAR**

22.1 Make & Model Rated for requested GVWR and application, **state-** \_\_\_\_\_

22.2 Size Rated for requested GVWR and application, **state-** \_\_\_\_\_

**23.0 FRAME**

23.1 Type Single rail. As required for 29-30 cubic yard  
recycling body \_\_\_\_\_

23.2	Application Installation	Suitable for 29-32 cubic yard recycling body	_____
23.3	Chassis fasteners	Grade-8 threaded hex headed frame fasteners	_____
23.4	After-frame	As required for 29-30 cubic yard recycling body Installation	_____
23.5	Front frame extension	Integral type, 24 in. integral, bumper shall be included	_____

**24.0 STEERING**

24.1	Type	Power, rated for front GVWR rating	_____
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**25.0 BRAKES**

25.1	Type	Air, ABS, S-cam drum brakes, front & rear	_____
25.2	Slack adjusters	Meritor (clearance sensing), automatic type	_____
25.3	Parking brake	Spring set, four (4) chamber system	_____
25.4	Brake pots	Vented type	_____
21.5	Dust shields	Required, front and rear	_____
25.6	Moisture ejector	Bendix DV-2, heated, required in all air tanks	_____
25.7	Drain valves	Manual, chain or cable operated, required on each air tank	_____
25.8	Air drier	Heated or equivalent	_____

**26.0 FUEL TANK**

26.1	Type	Dual fuel tanks preferred, maximum manufactures size, Tanks shall not exceed the back of the cab, fully fuelled upon delivery	_____
26.2	Tank straps	Steel straps with 1/16 in. rubber or neoprene isolators to prevent galvanic corrosion	_____
26.3	Fuel separator	Heated, drainable	_____

**27.0 CAB**

27.1	Type	Conventional w/corrosion inhibitor	_____
27.2	Construction	Aluminium or galvanized steel construction	_____
27.3	Front axle to BOC	64-66 in. <b>state-</b>	_____
27.4	Cab mounts	Air suspension	_____
27.5	Front grille	Stationary type	_____
27.6	Cab interior / trim	Extreme climate insulation including cloth or vinyl headliner on roof, door panels and rear interior of cab	_____
27.7	Cab silencer package	Required for minimal decibel level	_____
27.8	Hood/Firewall/Engine	Insulated hood liner, engine cover and firewall	_____
27.9	Floor covering	Rubber mat with under-padding	_____

27.10	Floor mats	Two (2), rubber	_____
27.11	Driver's seat	High back, air suspension w/foldable armrests, heavy-duty cloth upholstery, Cordura or equal, <b>state material-</b>	_____
27.12	Passenger seat	High back, air suspension w/foldable armrests, heavy-duty cloth upholstery, Cordura or equal, <b>state material-</b>	_____
27.13	Sun visors	Dual flip-up type	_____
27.14	Steering wheel	Tilt and telescopic type	_____
27.15	12-Volt power outlet	(2) required with independent circuit	_____
27.16	Radio	Factory installed AM/FM/CD with "hand free" Blue Tooth capability	_____
27.17	Starter switch	Key operated c/w three (3) sets of keys	_____
27.18	Interior light	Dome light with driver and passenger door switches	_____
27.19	Heater / Defroster	High output, capable of keeping all windows clear at an outside temperature of -35°F (-37°C)	_____
27.20	Air conditioning	Required	_____
27.21	Brake & accel. pedals	Hanging type brake and accelerator pedals	_____
27.22	Horn	Dual electric	_____
27.23	Exterior mirrors	Mirrors, heated, 4-way motorized adjustment (including convex mirrors), suitable for 102 in. equipment width	_____
27.24	Down-view mirror	Required over passenger door, 5" x 4" approx.	_____
27.25	Windows & windshield	Tinted	_____
27.26	Power windows	Required on driver and passenger side. Controls for both windows required on driver side	_____
27.27	Windshield wipers	Electric, intermittent	_____
27.28	Wiper blades	Heavy duty with winter type boot	_____
27.29	Windshield washers	Electric, required with spray nozzles on wiper Blades preferred	_____
27.30	Grab handles	Dual exterior	_____
27.31	Entrance steps	Dual each side, open grate / grip type	_____
27.32	Winter front	Heavy-duty vinyl w/twist lock or snap type fasteners	_____

**28.0 INSTRUMENTATION**

28.1	Oil pressure	Gauge	_____
28.2	Coolant temperature	Gauge	_____
28.3	Transmission oil temp.	Gauge	_____
28.4	LOP/HWT	Warning light and buzzer	_____
28.5	Voltmeter	Gauge	_____
28.6	Air reservoir pressure	Gauge with LAP warning light and buzzer	_____
28.7	Engine hour-meter	Required, non-resetable type	_____

**29.0 TOW HOOKS**

29.1 Location Front mounted \_\_\_\_\_

**30.0 COLOUR**

30.1 Exterior White \_\_\_\_\_

30.2 Interior Grey \_\_\_\_\_

**31.0 ACCESSORIES**

31.1 Flare kit Three (3) triangular reflectors, CVSA approved \_\_\_\_\_

31.2 Fire Extinguisher 10 lbs. Fire Extinguisher ABC type, **state location-** \_\_\_\_\_

**32.0 WARRANTY**

32.1 The successful Bidder shall provide full warranty details on body and chassis including extended warranty, if available. \_\_\_\_\_

**33.0 BODY SPECIFICATIONS**

33.1 **Body Capacity-** Body capacity is 29-30 cubic yards \_\_\_\_\_

33.2 **Hopper Capacity-** 8-10 cubic yard useable capacity hopper. \_\_\_\_\_

33.3 **Operator Controls-** Controls to operate the recycling body, shall be located Inside the cab within the operators reach. \_\_\_\_\_

33.4 **Bid Loading-** The City of Winnipeg currently utilizes the side-load container system for its recycling operation. The containers have been modified for maximum on-site storage capacity; they are serviced in reverse of their original design. As shown in the attached photos, the high side of the container is the front of the container and is the first side to enter into the truck body. See below for visual reference. \_\_\_\_\_



33.5 **Hopper design-** Bidder shall state complete details of hoper design-

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33.6 **Hopper Floor-** Bidder shall state complete details of hopper floor design-

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33.7 **Front Bulkhead-** Bidder shall state complete details of bulk head design-

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33.8 **Load Discharge-** Bidder shall state complete details of load discharge design-

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33.9 **Body Roof-** Bidder shall state complete details of body roof design-

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33.10 **Body Sides-** Bidder shall state complete details of body sides design-

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33.11 **Body Floor-** Bidder shall state complete details of body floor design-

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33.12 **Body Reinforcing-** Bidder shall state complete details of body reinforcing design-

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33.13 **Lifting Mechanism-** Bidder shall state complete details of their lifting mechanism design-

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33.14 **Reach & Capacity-** Bidder shall state complete details of their bin reach and bin capacity-

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33.15 **Rear Door-** State cubic yard capacity at the rear door and design-

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33.16 **Packer Ejection Blade-** Bidder shall state complete details of their packer ejection blade.

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33.17 **Hydraulic System-** Bidder shall state complete details of their hydraulic system-

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33.18 **Cycle Times-** Bidder shall state complete details of their hydraulic system-

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33.19 **Electrical & Lighting**

- **All vehicle lighting** shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. \_\_\_\_\_
- **All body supplier installed wiring** shall be numbered, colour coded, loomed, properly secured and protected from damage. \_\_\_\_\_
- **All electrical connectors shall be crimped and soldered**, then sealed using heat shrink tubing. \_\_\_\_\_
- **All joining of wires shall be soldered and sealed** using heat shrink tubing (crimp on electrical connectors for joining wires are not acceptable). \_\_\_\_\_
- **All holes required for routing wiring shall be drilled** (not punched), grommetted and sealed as required. \_\_\_\_\_
- **All lighting shall be LED Truck Light or Grote** \_\_\_\_\_

33.20 **Paint Specification**

- Endura Paint Products
- Blast profile Min 2 Mills Max 3 mills \_\_\_\_\_
- Primer wet film build 6-9 mills wet \_\_\_\_\_
- Topcoat wet film builds 3-5 mills wet \_\_\_\_\_

33.21 **Optional Pricing Required**

**Weigh Scale Systems-**

- **State optional price, make and model of a weigh scale system for the operator to know how much weight is on each axle-** \_\_\_\_\_
- **State optional price, make and model of a weigh scale system for the operator to know how much weight is in the bin. (Digiload or equivalent)** \_\_\_\_\_

**Tool Box-**

- **State optional price for tool box. State dimensions, material, and recommended location as set by the manufacturer-** \_\_\_\_\_

**Cart Grabber**

- **State optional price for tool box. Needed to pick-up 65 and 95 gallon carts and may get automated litter containers with geometry similar to 65 gallon carts.** \_\_\_\_\_

**Back-up Camera**

- **State optional price for back-up camera-**
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**34.0 TRAINING-**

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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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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What is the recommended minimum training duration for:

Primary unit-

For major attachments (if applicable):

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

For the primary unit-

For major attachments (if applicable):

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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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**35.0 TECHNICAL SERVICE/PARTS MANUALS & OWNERS MANUALS-**

35.1 **Two (2) sets** of technical service, parts manuals and owner's manuals are required, CD preferred

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**36.0 DELIVERY-**

36.1 **Delivery Point-** The equipment shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid to the Fleet Management Agency, Equipment Inspections Office, 770 Ross Avenue, Winnipeg, Manitoba on or shortly before the Commencement Date specified in Detailed Specification 1072. The Contractor shall contact the Contract Administrator (tel: 204-986-8273) prior to delivery of the equipment.

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36.2 **Delivery Time-** Equipment shall be delivery **no later than October 1<sup>st</sup>, 2012.** Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days, **state delivery time -**

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

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36.4 **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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