

PART A

BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title **SUPPLY & DELIVERY OF COMPACT REFUSE PACKER VEHICLES**

2. Bidder

Name of Bidder

Street

City

Province

Postal Code

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

The Bidder is:

(Choose one)

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

4. Definitions

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

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 Purchase Order authorizing the commencement of the Work.

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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 Submission.

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

In witness whereof 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)
(PARKS SOUTH)

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1a	Supply & Delivery of Compact Refuse Packer Vehicle	06013	Each	(1)	\$ _____	\$ _____
1b	Parts manuals, CD's preferred	06013	Each	(1) Set	\$ _____	\$ _____
1c	Technical Repair Service Manuals, CD's preferred	06013	Each	(1) Set	\$ _____	\$ _____
1d	Vacuum System	06013	Each	(1)	\$ _____	\$ _____
1e	K4H Hydraulic Breakaway Kit	06013	Each	(1)	\$ _____	\$ _____
1f	Frame Mounted Storage Box	06013	Each	(1)	\$ _____	\$ _____
1g	Dual Steering	06013	Each	(1)	\$ _____	\$ _____
TOTAL BID PRICE (GST and PST extra) (in figures) \$ _____ (in words) _____ _____						

 Name of Bidder

FORM B: PRICES
 (See B8)

(PARKS NORTH)

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
2a	Supply & Delivery of Compact Refuse Packer Vehicle	06013	Each	(1)	\$ _____	\$ _____
2b	Parts manuals, CD's preferred	06013	Each	(1) Set	\$ _____	\$ _____
2c	Technical service manuals, CD's preferred	06013	Each	(1) Set	\$ _____	\$ _____
2d	Utility Cabinet	06013	Each	(1)	\$ _____	\$ _____
2e	Tilt Steering	06013	Each	(1)	\$ _____	\$ _____
TOTAL BID PRICE (GST and PST extra) (in figures) \$ _____ (in words) _____ _____						

FORM N: DETAILED SPECIFICATIONS 06013

(Parks North & South)

1.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 1.1 The **Compact Refuse Packer Vehicles** shall be a 2006 or 2007 model year. The vehicles shall be furnished complete and ready for use by the Contractor. All parts not specifically mentioned but which are required to complete and place the vehicle into successful operation shall be furnished as though specifically mentioned in these specifications.
- 1.2 It will be the responsibility of the Bidder to inform the City of any errors or omissions in these specifications, for under this Contract the Contractor shall be held responsible for the satisfactory operational function of the vehicle.
- 1.3 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.
- 1.4 Each bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**
- 1.5 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 1.7 The completed unit and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker on the driver's side window.

2.0 SERVICE FACILITY

- 2.1 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.
- 2.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that the City of Winnipeg Repair Facility perform warranty work. Any Work performed by the City of Winnipeg Repair Facility shall be charged to the Contractor at the Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2006: \$73.50/hour and \$ 103.50/hour for overtime and callout).
- 2.3 **Location of the service facility located within 10 km of the boundaries of the City of Winnipeg.**

The Bidder shall choose and fill in **one** of the Clauses listed below. --- **2.3.1) OR 2.3.2)**

- 2.3.1 Bidder's own facility location. State the location of the service facility below.
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2.3.2 Bidder elects to have warranty work be performed by the City of Winnipeg Repair Facility.

3.0 CHASSIS GVWR

- 3.1 GVWR- 19,000 lbs. _____
- 3.2 FRONT- 6000 lbs. minimum _____
- 3.3 REAR- 13,000 lbs. minimum _____
- 3.4 GCWR- State Gross Combined Weight Rating _____

4.0 DIMENSIONS

- 4.1 Wheelbase (WB) - Approx. 165" (WB), as required for a 14 cubic yard compact garbage packer. State (WB) - _____
- 4.2 Cab to Axle (CA) - Approx. 84" (CA), as required for a 14 cubic yard compact garbage packer. State (CA) - _____

5.0 CHASSIS SPECIFICATIONS

- 5.1 Engine- 6.0 litre, turbo, V-8 diesel, minimum 325 hp and 570 lb / ft torque. _____
- 5.2 Transmission- Electronic 5 speed automatic transmission. _____
- 5.3 Front Axle- Minimum 6000 lbs front axle. _____
- 5.4 Front Suspension Springs- Minimum 6000 lbs front springs. _____
- 5.5 Rear Axle- Minimum 13,500 lbs rear axle with limited slip differential _____
- 5.6 Rear Suspension Springs- Minimum 13,500 lbs rear springs. _____
- 5.7 Shocks- Heavy-duty shock absorbers. _____
- 5.8 Front Tires- 19.5 steer tires with appropriate tread for Manitoba Weather conditions (mud, snow, dirt etc.). State tires make and model- _____
- 5.9 Rear tires- 19.5 rear tires with appropriate tread for Manitoba Weather conditions (mud, snow, dirt etc.). State tires make and model- _____
- 5.10 Mud flaps- Front mud flaps required. Mud flaps required forward and rear of rear wheels. _____
- 5.11 Spare Tire & Rim- Spare tire and rim required. _____
- 5.12 Exhaust- Vehicle exhaust to be routed to deflect fumes away from operators and hydraulic system for protection against hydraulic leaks and line hot spots. _____

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- 5.13 Brakes- (4) wheel ABS brakes, with front and rear disc brake system. _____
- 5.14 Ratio- To achieve a maximum 110 kph. State ratio- _____
- 5.15 Alternator- Heavy-duty 140amp alternator. _____
- 5.16 Batteries- Dual 750 CCA batteries. _____
- 5.17 Fuel Tank(s)- Fuel tank(s) capacity minimum 128L. Full of fuel upon delivery _____
- 5.18 Air conditioning- Air conditioning required. _____
- 5.19 Dual Steering- Dual Steering controls with brake lock convex mirrors and fixed steps required for **Refer to Item (1g)**. _____
- 5.19.1 Tilt Steering- Tilt steering required for single steer unit. **Refer to Item (2e)** _____
- 5.20 Tow Hooks- Front tow hooks required. _____
- 5.21 Entry- Cab access steps. _____
- 5.22 Seating- 60/40 Split seat or buckets. State driver and passenger seating- _____
- 5.23 Air Bags- Driver & Front Passenger air bags. _____
- 5.24 Engine Heater- Engine block heater required. _____
- 5.25 Idle Control- Stationary Elevated Idle Control (SEIC). _____
- 5.26 Lights- Daytime running lights. _____
- 5.27 Clearance Lights- Roof clearance lights. _____
- 5.28 Strobe Light- Cab mounted yellow strobe light. State make, model- _____
- 5.29 Horns- Dual electric horns. _____
- 5.30 Switches- Four (4) optional switches. _____
- 5.31 Radio- AM/FM/CD. _____
- 5.32 Instrumentation- Tachometer, trip odometer, speedometer, turbo-boost, oil pressure gauge, coolant temperature gauge, non reset engine hour meter, air filter minder, indicator lights. _____
- 5.33 Alarm- Back up alarm required. State decibel rating- _____
- 5.34 Exterior color- White. _____
- 5.35 Interior color- Blue or grey. _____
- 5.36 Frame & suspension- Primed and finished with black Imron 5000 paint. _____
- 5.37 Winter Front- Winter front required, white preferred. _____
- 5.38 Fire Extinguisher & First Aid Kit- 10 lbs Fire extinguisher with first aid kit _____
- 5.39 Flare Kit- Required _____
- 5.40 12 volt Circuit- 12 Volt independent circuit for 2 way radio required. _____

6.0 REFUSE BODY SIZE, PERFORMANCE, DIMENSIONS AND WEIGHT SPECIFICATIONS

6.1 Single person operated compact side loader refuse packer vehicle suitable for

requested chassis stated herein. Unit must have an established performance record for the application described that includes the severest of cold climate conditions to -40 C and warm climate conditions to +40 C. Capable of loading driver or passenger side. Loading side to be determined during pre-production meeting.

6.2 Capacity- 13.6 cubic yard total body capacity minimum.

6.3 Bucket- 1 Cubic yard minimum.

6.4 Bucket Weight Capacity- 1000 lbs minimum capacity.

6.5 Compaction- Bucket shall compress materials against the body sidewall which shall be fully lined with 3/4" pressure treated plywood.

6.6 Packing Bucket- To have a compaction force of 3000 ft lbs minimum at the "tooth point" with a 15 second cycle time at 1200 to 1600 engine RPM.

7.0 DIMENSIONS

7.1 Body length- 133" maximum

7.2 Width with bucket raised- 92" maximum.

7.3 Width with Bucket lowered- 129" maximum.

7.4 Body height- 85" maximum.

7.5 Height mounted on chassis- 116"-122" maximum.

7.6 Tailgate height fully open- 151" to 157" maximum.

7.7 Dumping height- 154"-160" maximum.

7.8 Bucket Loading Height- Height above frame 4" maximum

7.9 Body Weight- Approximate 4300 lbs. State-

7.10 Body Construction- Steel Construction.

7.11 Lower Body- 14 gauge minimum.

7.12 Floor- 10 gauge minimum.

7.13 Side Panel- 14 gauge minimum.

7.14 Frame-10 gauge minimum, HHS tubing.

7.15 Body shall have sufficient reinforcement to prevent any misalignment or distortion due to load.

8.0 HOIST

8.1 Hoist Sub Frame- Sub frame to be 4" X 3" X 3/8" structural angle, mounted to truck frame with plate and bolts. Three mounting brackets required on each side.

8.2 Safety Supports- Hoist safety supports designed to hold empty packer unit
In full raised position independently of the hoist cylinders.

9.0 BUCKET

9.1 Bucket –Side Loading Type bucket.

9.2 Length- 100” minimum.

9.3 Width- 38” minimum.

9.4 Liner- Bucket to be lined with polyurethane liner.

9.5 Bucket action- To utilize a direct-coupled, double acting hydraulic cylinder.

9.6 Latches- Safety latches required to secure bucket in the open position for
latching.

9.7 Safety/ Warning Alarm- Hoist dumping safety warning device required

10.0 TAILGATE

10.1 Rear Tailgate- Tailgate to be top hinged, hydraulically operated bubble
type of 12 gauge steel construction. Reinforced to withstand all operating
forces, door to open full width and height for ease of dumping.

10.2 Latches- Positive latches required at rear tailgate to secure “closed
positions.”

10.3 Container Hooks- Mounted on rear tailgate body. Exact locations
to be determined during pre-production meet.

11.0 BODY FINISH

11.1 All components are to be cleaned, degreased and phosphate etched in a
submersible chemical bath.

11.2 Powder coated primer prior to assembly.

11.3 Two (2) coats of Endura paint products final paint.

11.4 Packer colour to be black.

12.0 HYDRAULIC SYSTEM

12.1 Pump- Hydraulic pump driven from automatic transmission power take-off.

12.2 Operation- Hydraulic system to operate at 1800 PSI. State GPM-

12.3 Pump Control- Pump control to provide power only in the park and or
neutral transmission ranges.

12.4 Control Valve- Hydraulic system to include open centre control valve,
pressure relief valve, 10 micron return line filter and Parker type, steel
braid, hydraulic hoses and fittings.

- 12.5 Hydraulic reservoir- Positioned for an unrestricted fluid flow to inlet side of hydraulic pump. Reservoir to be six (6) US gallons capacity with adequate baffles and drain. _____
- 12.5.1 Hydraulic system- Interlocked with engine throttle to meet hydraulic system demand. _____
- 12.6 Hydraulic Controls- Bucket, rear tailgate and hoist controls located outside truck cab on the bucket side front of packer. Control levers to be stainless Steel. Control configuration to avoid compromise of operator safety. _____
- 12.7 Hoist Cylinders- Hoist to utilize double acting cylinders capable of lifting at rated load of 5 ton to a minimum dump angle of 45 degrees. _____
- 12.8 Tailgate Hydraulics- Tailgate to be operated with two double acting hydraulic cylinders. _____
- 13.0 VACUUM SYSTEM-ITEM (1d)**
- 13.1 Height- 56" minimum. _____
- 13.2 Width- 46" minimum. _____
- 13.3 Depth- 30" minimum. _____
- 13.4 Weight- Approx. 650 lbs. State- _____
- 13.5 Construction- Steel construction, frame minimum 10 gauge, housing minimum 12 gauge, turret minimum 12 gauge. _____
- 13.6 Body- Shall be supplied with vent and seal kit to accommodate vacuum air flow. _____
- 13.7 Suction Nozzle- High grade aluminium with heavy-duty steel handle. _____
- 13.8 Intake Hose- Heavy duty wire support and shall be minimum 25' length and shall include a full length nozzle holder. _____
- 13.9 Impeller- Shall be minimum ¼" steel plate, 18" diameter with three (3) balanced vanes. _____
- 13.10 Impeller Drive- To be driven by an 8 groove poly-V belt. _____
- 13.11 Vacuum Power- Unit shall be powered by an 18 hp heavy-duty twin cylinder gasoline engine with electric start. Engine to be equipped with inline fuel filter. _____
- 13.12 Hour Meter- To be equipped with an non reset hour meter. _____
- 13.13 Fuel tank capacity- Five (5) US gallons. _____
- 13.14 Body- To be equipped with polyurethane tailgate liner. _____

- 14.0 K4H HYDRAULIC BREAKAWAY KIT-ITEM (1e)**
- 14.1 Hydraulic hoses and couplers to be mounted on folding arm. _____
- 14.2 Hoses to have a minimum of 3500 PSI rating. _____

14.3 Operating pressure to be 1800 PSI rating.

14.4 Quick couplers to be No-Drip type.

15.0 FRAME MOUNTED STORAGE BOX ITEM (1f)

15.1 Height- 18" minimum.

15.2 Length- 48" minimum.

15.3 Depth- 18" minimum.

15.4 Construction- Aluminium.

16.0 UTILITY CABINET-ITEM (2d)

16.1 Utility cabinet used for tools equipment etc., approx. 20"W X 85"D X 64"H mounted directly behind chassis cab.

17.0 DUAL STEERING-ITEM (1g)

17.1 Right-Hand steering to have a 1:1 ratio with Left-Hand.

17.2 Wheel connected through gear box and cross shaft to Left-Hand.

17.3 Right-Hand Brake pedal to mechanically activate Left-Hand brake pedal.

17.4 Right-Hand throttle to mechanically activate Left-Hand throttle.

17.5 Shifter to be center-mounted in cab accessible from both sides

17.6 Right-Hand controls to include horn button and windshield wiper/washer Control.

17.7 Lever brake lock to be mounted t shifter pedestal

17.8 Fender –mounted convex mirrors.

17.9 Right-Hand and Left-Hand steps with non slip surface

18.0 LIGHTING

18.1 All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements.

18.2 All body supplier installed wiring shall be numbered, colour coded, loomed, properly secured and protected from damage.

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

18.4 All joining of wires shall be soldered and sealed using heat shrink tubing (crimp on electrical connectors for joining wires are not acceptable).

18.5 All holes required for routing wiring shall be drilled (not punched), grommetted and sealed as required.

18.6 Supplier installed lighting shall be LED, except where otherwise noted. _____

18.7 Lighting- LED shockproof, sealed lamp system with Weather Pak connectors between chassis and body. _____

18.8 Clearance Lights- Clearance and marker lamps-to be LED on separate rocker switches. _____

18.9 Flashing Lamps- Lamps to be 4" Amber LED flashing rear only _____

18.10 Flood/Work Lights- One flood light equipped with protective guard, to illuminate bucket and immediate surrounds of vehicle. Two (2) flood lights facing forward mounted to left and right hand body front corners. front and rear lights to be operated by two (2) separate switches. _____

18.11 Amber Strobe Light- mounted on cab, to be mounted higher than cab marker lights. Exact locations to be determined during pre-production meet. State make and model _____

19.0 PRODUCT HISTORY

19.1 The Bidder shall provide the names of other users of the equipment with At least two units in service for three (3) or more years in a comparable Application/climate/conditions _____

20.0 MANUALS

20.1 The Contractor shall supply the following manuals (in English) upon delivery of the vehicles: _____

20.1.1 Operator's manual – two (2) per vehicle. _____

20.1.2 Parts and Service manuals required. _____

20.2 Data Collections Sheets- Data collections sheets to **be completely fill out.** See clause D.6 (PMDCS) _____

21.0 WARRANTY

- 21.1 The Contractor shall warrant the vehicle and all parts thereof, against any 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 for a period of **(1) year, unlimited hours, on packer body and associated equipment, (3) years, 60,000kms chassis "bumper to bumper", no deductible.** _____
- 21.2.1 In the event of a failure on the part of the Contractor to repair or replace any article during the warranty period within five (5) business days from the date of notification, the City may have the work performed by others and offset the cost against any money due, or that may become due to the Contractor, or if there is money due, the Contractor agrees to pay the City such cost. _____
- 21.2.2 The responsibility for the design of the complete equipment, its performance and reliability shall rest upon the Contractor. _____
- 21.2.3 The term "*repeated failures*" as determined by the Contract Administrator, as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the apparatus inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, or 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. _____
- 21.2.4 Where the vehicle develops "*repeated failures*" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance, at no cost to the City, including all incidental costs, with a reapplied, full warranty as described in clause 21.2.3. _____

22.0 TRAINING

- 22.1 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.

22.1.1 Training Aides

22.1.2 Training aids to be included.

On the type of equipment being offered, state if VHS video tape or CD Rom training aides are available.

22.1.3 State if other training aides are available and state type

FORM O: QUESTIONNAIRE

1.0 **STATE** the delivery time of the complete order from the date of official notification of award: (See D5.1)

2.0 **LIST** any significant features that will be supplied standard on the unit being offered, but were not specifically mentioned in the Detailed Specifications:

3.0 **STATE** the location of the service facility:

4.0 Does the equipment being offered meet or exceed the minimum requirements of the Detailed Specifications?

5.0 **LIST** any deviations that might be considered less than equal to the Detailed Specifications:
