

**FORM A: BID**  
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF A LANDFILL DOZER

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)

\_\_\_\_\_  
Email Address of Bidder

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

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

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

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

(Choose one)

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

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/she 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 B9)

SUPPLY AND DELIVERY OF A LANDFILL DOZER

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Landfill Dozer	15042	Each	1	

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

## FORM N: DETAILED SPECIFICATIONS 15042

### LANDFILL DOZER

#### **1.0 DESCRIPTION OF EQUIPMENT**

- 1.1 These specifications describe a Landfill Dozer and other equipment and features as specified herein.
- 1.2 The Landfill Dozer shall be a new 2015 model year or newer.
- 1.3 The Landfill Dozer and all other items/components shall be the manufacturer's latest model. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 1.4 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 equipment.

#### **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 Landfill Dozer shall comply with the applicable regulations:

National Safety Mark, NSM = <http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>

Manitoba Safety and Health Act, Parts 12, 22 =  
<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://www.sae.org/>

City of Winnipeg Lighting Visibility  
Standard=<http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>.

- 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.

#### **3.0 SERVICE FACILITY**

- 3.1 For the purpose of warranty repairs, the Bidder 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 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.

#### **4.0 REFERENCES-**

- 4.1 Bidder must provide five (5) references where this equipment is used specifically in a Landfill or Landfill type environment.

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#### **5.0 MAKE & MODEL**

- 5.1 **State** make and model of the equipment bid-\_\_\_\_\_

#### **6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

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

- 6.2 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.

- 6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

#### **7.0 PERFORMANCE RELIABILITY**

- 7.1 The Solid Waste Services Department shall utilize this equipment 12-15 hours per day, 7 days a week.

- 7.2 The responsibility for the design of the **Landfill Dozer**, its performance and reliability shall rest upon the Contractor.

- 7.3 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.

- 7.4 Where the **Landfill Dozer** develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

- 7.5 The equipment shall be capable of consistent top performance in City of Winnipeg Environment. Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C)

#### **8.0 FUEL**

- 8.1 The landfill dozer must be fully fuelled upon delivery (**no exceptions**).

**9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR-**

- 9.1 The manufacturer of the **Landfill Dozer** shall have five (5) years continuous experience manufacturing the Landfill Dozers.
- 9.2 The manufacturer 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.
- 9.3 The Contractor shall have experience servicing, repairing and maintaining **Landfills Dozers** of the type being offered.

**10.0 SPECIFICATIONS-**

10.1	Manufacturer-	<b>State-</b>	_____
10.2	Model-	<b>State-</b>	_____
10.3	Engine-	<b>Tier IV interim or final compliant</b> -diesel, liquid cooled. Engine cooling system requires cooling system be a heavy duty type capable of handling the cooling requirements associated with waste handling. Engine shall be warranted to use biodiesel at a B10 blend level (10% biodiesel to 90% ultra low sulphur diesel), where the biodiesel will meet product specification ASTM D 6751 to ensure fuel quality. <b>State</b> make, model-	_____
10.4	Engine pre-cleaner-	Engine air filter pre-cleaner dual state preferred <b>State-</b>	_____
10.5	Horsepower-	300-350HP, <b>state</b> Net hp & torque @ rated rpm-	_____
10.6	Cylinders-	6 cylinders	_____
10.7	Displacement-	<b>State</b> displacement cu in. (L)	_____
10.8	Transmission-	<b>State</b> type-	_____
10.9	Speed ranges-	<b>State</b> forward and reverse speeds (mph)-	_____
10.10	Final drive-	Double reduction, <b>state-</b>	_____
10.11	Sprockets-	Replaceable sprockets preferred, <b>state type-</b>	_____
10.12	Steering-	<b>State</b> steering type-	_____
10.13	Hydraulic system-	Hydraulics and controls shall have a fully enclosed protected system with preferably a single control joystick for dozer control function. <b>State</b> type, pump flow (gpm), system pressure psi (kPa)-	_____
10.14	Operating weight-	85,000-95,000 lbs., <b>state operating weight-</b>	_____
10.15	Undercarriage-	<b>State-</b> Track gauge in. (mm)-	_____
10.16	Drive design-	High drive or oval design, <b>state-</b>	_____
10.17	Track width-	Tracks to be OEM widest tracks from the manufacturer <b>State</b> track width-	_____

10.18	Ground pressure area-	<b>State-</b> Ground contact Area sq in. (cm <sup>2</sup> )-	_____
10.19	Ground psi area-	<b>State-</b> Ground pressure psi (kPa)-	_____
10.20	Track rollers-	Preferably lifetime lubricated and sealed. <b>State-</b> quantity of track rollers per side-	_____
10.21	Grouser height-	<b>State</b> grouser height-	_____
10.22	Counter weights-	Bidder shall <b>state</b> if their dozer requires Counter Weights to meet all operational Performance requirements for the intended use at the City of Winnipeg Landfill. If required, the Counter weights shall be included in the pricing	_____
10.23	Dozer blade dimensions-	Landfill Blade Semi U type with a trash rack to Prevent debris from spilling over the top of the Blade.  <b>State-</b> Blade Width in. (mm) <b>State-</b> Blade Height in. (mm) <b>State-</b> Blade Height in. (mm), with trash rack <b>State-</b> SAE Blade Capacity cu yd (m <sup>3</sup> ) <b>State-</b> Blade Lift Height in. (mm) <b>State-</b> Digging Depth in. (mm) <b>State-</b> Blade width at Full Angle in. (mm) <b>State-</b> Blade Tilt in. (mm)	_____ _____ _____ _____ _____ _____ _____
10.24	Dozer dimensions-	<b>State-</b> Height w/ROPS in. (mm) including A/C unit, all lights and warning beacons  <b>State-</b> Length w/Dozer in. (mm) <b>State-</b> Ground Clearance in. (mm)	_____ _____ _____
10.25	Capacities-	<b>State-</b> Fuel Tank gal (L) <b>State-</b> Hydraulic Reservoir gal (L)	_____ _____
10.26	SAE operating weight-	<b>State-</b> lb (kg)	_____
10.27	Fuel consumptions-	<b>State-</b> average fuel consumptions (Lph) in Preferably in the Landfill Waste Management Application	_____
10.28	Fuel water separator-	Heated required	_____
10.29	Guarding/protection-	Waste Handling Guarding/Protection- Must be OEM factory installed. Required to protect critical components as a result to debris from waste handling and to minimize material build up. Bidder shall <b>state</b> a listing of all items included in their waste management handling package-	_____ _____ _____ _____ _____

10.30	Guarding maintenance-	Bidder shall <b>state</b> how the undercarriage/belly pans are lowered for maintenance and or cleaning-	_____
10.31	Exhaust guarding-	Exhaust guarding required to reduce the threat of a fire in the Landfill	_____
10.32	Rear vision-	Rear vision Camera required	_____
10.33	Striker bars-	Factory tracked striker bars or equivalent required	_____
10.34	Work lights-	HID (High Intensity Discharge Works Lights) located front and rear. Work lights shall have lighting guards. All dozer lighting shall be LED.	_____
10.35	Cab-	Pressurized cab with pre-cleaner for improved cab air quality. Cab must have air conditioning, <b>state</b> location of air conditioning unit.	_____
10.36	Overall height-	The complete dozer shall be capable of entering and exiting a shop with a door with a height of 14' feet. <b>State</b> height-	_____
10.37	ROPS-	Type -ROPS roll over protective structure OSHA certified or equal.	_____
10.38	Insulation-	Required for sound suppression, noise level, interior - 85 dB (A), measured in accordance with SAE J336, <b>state</b> dB (A), noise level-	_____
10.39	Seat-	Cushioned, adjustable high back bucket type with cloth upholstery, air suspension, armrests and retractable seat belt.	_____
10.40	Windows-	Tinted safety glass	_____
10.41	Sun visor-	Fold-down type.	_____
10.42	Door-	Lockable with keyed lock. Door/window shall latch in fully opened position.	_____
10.43	Exterior rear view mirrors-	One (1) each side.	_____
10.44	Interior rear view mirrors-	Required	_____
10.45	Windshield wipers-	Winter type, two speed, front and rear.	_____
10.46	Windshield washers-	Front and rear.	_____

10.47	Heater/defroster/pressurizer-	Heavy duty, hot water type with multi-speed fan and filtered air intake.	_____
10.48	Temperature-	Must have interior cab heater capable of sustaining cab temperature to 20°C at an outside ambient air temperature of - 40°C. <b>State</b> BTU rating-	_____
10.49	Defroster-	Capable of keeping all windows clear at – 40°C.	_____
10.50	Radio-	AM/FM/ with MP3 and CD.	_____
10.51	Rubber floor covering-	Required throughout.	_____
10.52	Instrumentation-	Shall include, Engine coolant temperature gauge and alarm, Engine oil pressure gauge and alarm, Transmission oil temperature gauge, Hour-meter Non-resettable, Ammeter, voltmeter, Fuel gauge, Tachometer and Horn	_____
10.53	Gauges-	Gauges shall be mounted in the control panel (dashboard), or in a location that is easily observed by the operator from the seat.	_____
10.54	Sun shade-	Rear sun shade require	_____
10.55	Fire protection-	Dozer must include a fire suppression system, <b>state</b> make, model and recommended location. The fire suppression system must be pre-approved by the WFMA Safety Officer and Contract Administrator prior to placing the landfill dozer into service. Also to be included a (10) lbs. ABC Type Fire Extinguisher. The successful bidder to provide a schematic of the fire suppression system.	_____
10.56	Steps and handrails-	Steps and handrails to provide safe cleaning of front Windshield	_____
10.57	Cab doors-	Left and right cab doors preferred. Dozer shall provide safe entry and exit. <b>State</b> emergency exit-	_____
10.58	Steps-	Self cleaning steps for safe entry and exit	_____
10.59	Electrical	Ability to run additional 12V accessories /equipment. <b>State</b> type and voltage-	_____
10.60	Starter-	Electric starter thermally and over spin protected.	_____
10.61	Alternator-	Heavy Duty, <b>state</b> alternator amperage-	_____
10.62	Batteries-	Largest CCA available from the manufacturer. Batteries must be heavy duty cold weather rated maintenance free batteries. Must have battery disconnect switch and must have remote battery boosting provisions. Batteries box must be lockable.	_____
10.63	Lighting-	All lighting shall be LED	_____

- 10.64 Warning beacons: (2) LED beacons mounted mid front and rear of roof, complete with dash mounted on/off switch wired through ignition. \_\_\_\_\_
- 10.65 Back-up alarm- (97 dba) Back-up alarm - mounted at rear of unit located to be protected from damage. \_\_\_\_\_
- 10.66 Towing provisions- Required front and rear \_\_\_\_\_
- 10.67 Radio- Radio installation provision - 12 volt, 20-amp circuit available at a spare circuit breaker, suitable for installation of a 2-way mobile radio. Radio to be wired on an independent circuit. \_\_\_\_\_
- 10.68 Wiring- All electrical functions (except warning flashers, and 2-way radio circuit) shall be wired through the ignition. Wiring for all locally installed equipment shall be colour coded, loomed and properly secured. All joining of wires and electrical connectors shall be soldered and sealed with heat shrink tubing or with sealed weather tight connectors. No splices shall be made into OEM or after-market wiring harnesses. All additional circuits are to be run from a power distribution box. All fuses, relay's and circuit breakers to be made easily accessible. \_\_\_\_\_
- 10.69 Radiator- Radiator doors must be lockable and/or self-locking with heavy duty hinges and alarmed in the cab notifying the operator if doors are open when unit is placed into forward or reverse; ability to be fully opened to allow for washing/blowing out the rad fins. Radiator fan shall also be programmable to be reversible to blow out landfill debris. \_\_\_\_\_
- 10.70 Winch- Rear OEM Winch required, state winch capacity. \_\_\_\_\_
- 10.71 Rear draw bar- Must have rear draw bar and front towing device Installed \_\_\_\_\_
- 10.72 Stump pans- Crankcase belly pans shall be hinged to allow Cleaning of debris. **State** type and method of raising and lowering- \_\_\_\_\_
- 10.73 Striker bars- Factory OEM installed rear striker bars. Rear striker bars shall be counter weight ready. \_\_\_\_\_
- 10.74 Repairs/maintenance/servicing- \_\_\_\_\_
- Bidder to provide after hour time frames- State- \_\_\_\_\_**  
**Bidder to provide hourly rate of after-hours- State- \_\_\_\_\_**
- 11.0 PERFORMANCE RELIABILITY-**
- 11.1 The responsibility for the design of the **Landfill Dozer**, its performance and reliability shall rest upon the Contractor. \_\_\_\_\_
- 11.2 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.

11.3 Where the **Landfill Dozer** develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

**12.0 WARRANTY-**

12.1 All warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information.

12.2 Basic Vehicle One (1) year, unlimited hours, **state-**

12.3 Batteries One (1) year, unlimited hours, **state-**

12.4 Drivetrain Two (2) years, unlimited hours, **state-**

12.5 Dozer cab and frame structure/corrosion Three (3) years, unlimited hours, **state-**

12.6 Engine One (1) years unlimited hours, **state-**

12.7 Transmission Two (2) years, unlimited km **state-**

**13.0 ONLINE DEALER SUPPORT-**

13.1 The following information shall be available live web based on-line at the time of delivery of the equipment and shall be included in the Form B Bid prices. On-line dealer support shall be for a (5) year life cycle.

The Landfill Dozer shall have an OEM factory Installed Equipment Management System which provides the following:

**Wireless communications designed to deliver:**

- Location
- Utilization
- Performance
- Maintenance data
- Fault codes
- Service history
- Preventative Maintenance schedules
- Fuel data
- On-line support shall be 24 hours/ 7days a week /365 days a year

13.2 Operational (Operator manual) information- Shall consist of the following:

- On line comprehensive technical and operational information
- On-line support shall be 24 hours/ 7days a week /365 days a year

13.3 Parts/technical/service/repair information- Shall consist of the following:

- Parts/technical/service/repair information \_\_\_\_\_
- On-line equipment electrical diagnostic information \_\_\_\_\_
- The ability to purchase parts from an on-line catalogue \_\_\_\_\_
- Ordered parts lists, ie; PM service kits. \_\_\_\_\_
- Parts recalls \_\_\_\_\_
- Ability to order parts on line 24 hours/ 7days a week /365 days a year preferred \_\_\_\_\_

13.4 Preventative maintenance schedules- Shall consist of the following:

- Provide on-line detailed checklists that outline critical steps in the PM process \_\_\_\_\_
- Detailed fluid analysis reports which include present and past results. \_\_\_\_\_
- The ability to view frequently ordered parts lists, ie PM Service kits. \_\_\_\_\_

13.5 **State** Website address - \_\_\_\_\_

13.6 Website subscriptions that is necessary in providing delivery of the information shall be included in the cost. \_\_\_\_\_

13.7 All necessary computer software, cables etc. shall be included \_\_\_\_\_

**14.0 OPTION- EXTENDED WARRANTY**

14.1 **State** available extended warranty options and pricing for the unit being bid- \$ \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**15.0 OPTION- QUICK FLUID OIL CHANGE SYSTEM**

15.1 **State** optional pricing for quick fluid oil change system to reduce associated down time- \$ \_\_\_\_\_

**16.0 OPTION- ON SITE- TOTAL MAINTENANCE AND REPAIR AGREEMENT BASED ON THE FOLLOWING: (IT SHOULD BE NOTED THAT THE CITY OF WINNIPEG REQUIRES SERVICE AFTER REGULAR HOURS)**

**State optional pricing for a total maintenance and repair agreement.**

- 4000 HOURS PER YEAR FOR (3) YEARS \$ \_\_\_\_\_
- 4000 HOURS PER YEAR FOR (4) YEARS \$ \_\_\_\_\_

16.1 The bidder is required to submit complete details of the **total maintenance and repair agreement with their bid submission.** \_\_\_\_\_

16.2 Bidder to **state** hourly rate for on-site after hour servicing- \$ \_\_\_\_\_



19.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list. \_\_\_\_\_

**20.0 MANUALS-**

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

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

a) Operator's manual – Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch \_\_\_\_\_

b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred. \_\_\_\_\_