

FORM A: BID
(See B7)

1. Contract Title SUPPLY & DELIVERY OF A SELF PROPELLED CHIP SPREADER

2. Bidder

Name of Bidder

Street

City

Province

Postal Code

Facsimile Number

(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

E-mail 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 A SELF PROPELLED CHIP SPREADER

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	Self Propelled Chip Spreader	1078	(Each)	(1)	\$ _____	\$ _____
2.	Technical Parts & Service Manuals	1078	(Each)	(1) Set	\$ _____	\$ _____

TOTAL BID PRICE (GST and MRST extra) (in figures) \$ _____

(in words) _____

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 1078

1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE-

- 1.1 These specifications describe the **Supply and Delivery of a Self Propelled Chip Spreader with a hydraulic variable 9' to 18' width spreading hopper** and other equipment and features as specified herein. Materials listed shall be the least minimum standard as specified and of a quality used commercially, conforming to current engineering and manufacturing practices. The Chip spreader shall be a current model under standard production by the manufacturer. The Hydrostatically Driven 2 Wheel Drive Chip spreader shall have the capability, while operating to tow a 56,000 pound GVW loaded dump truck up at least a 7% grade.
- 1.2 Shall be capable of consistent top performance for streets maintenance chip spreading program during the summer environment, which is normal to the City of Winnipeg.
- 1.3 The Self Propelled Chip Spreader and all other items/components shall be a new 2010 or 2011 model year. The Self Propelled Chip Spreader shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the Self Propelled Chip Spreader in successful operation shall be furnished as though specifically mentioned in these specifications. The complete Self Propelled Chip Spreader, 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 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 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 **Self Propelled Chip Spreader** 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)

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.

3.1.1 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 2010: \$80.00/HOUR AND \$112.00/HOUR FOR OVERTIME AND CALLOUT**).

4.2. 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. --- **4.2.1) OR 4.2.2)**

4.2.1 Bidder's own facility location. State the location of the service facility below.

4.2.2 Bidder elects to have warranty work be performed by the City of Winnipeg.

4.3 REFERENCE LIST-

4.3.1 **The bidder must provide a minimum of five (5) references** for recently built units that are used as a **Self Propelled Chip Spreader with a hydraulic variable 9' to 18' width spreading hopper** in this specification. No prototypes will be accepted.

1. _____
2. _____
3. _____
4. _____
5. _____

5.0 MAKE/MODEL/YEAR-

5.1 **State make, model and manufacturing year-** _____

6.0 QUALIFICATIONS OF MANUFACTURER / BIDDER-

6.1 Manufacturers of the **Self Propelled Chip Spreader** must have five (5) continuous years of experience manufacturing **Self Propelled Chip Spreader** equipment of the type being offered.

6.2 The Bidder shall be an authorized distributor/supplier of the **Self Propelled Chip Spreader with a hydraulic variable 9' to 18' width spreading hopper** being bid.

7.0 SPECIFICATIONS-

7.1 **Dimensions-** Length: 25', **state-** _____

Width: 9' 11" to 18' 11", **state-** _____

Height: 8' 11", **state-** _____

Wheelbase: 139", **state-** _____

Turning radius: 18", **state-** _____

7.2 **Weight-** 22,000 lbs (approx.10,000 kg)
(for 9 to 18' variable width hopper) _____

7.3 **Engine-** Tier III 240 HP turbo-charged diesel. Engine to have heavy duty, dry type air cleaner, muffler, cooling system and variable speed hand throttle. Engines shall be warranted to use biodiesel at a B10 blend level (10% biodiesel to 90% ultra low sulphur diesel), where the biodiesel will meet product specification ASTM D 6751 to ensure fuel quality _____

7.4 **Electrical-** Electrical system automotive type ignitions with electric starter alternator, voltage regulator and 12 volt battery _____

7.5 **Fuel Reservoir-** Fuel Reservoir 80 gallons with visible fuel level gauge _____

7.6 **Transmission-** Mechanical front wheel drive steer axle, full oscillating, 75" wheel track, 20.37:1 gear ratio, 25,000 lbs rated, single speed differential. Driven by direct engine bell housing mounted 125 cc hydrostatic pump and 160 cc hydrostatic motor. _____

7.7 **Speed-** Infinitely variable speed from 0 to 19.5 M.P.H. _____

7.8 **Hydraulic-** Hydraulic reservoir: 95 gallons _____

7.9 **Pump-** Hydraulic pump directly connected to engine crankshaft. Three drive element pump, independent circuits for left hand conveyor, right hand conveyor, hopper spread roll and agitator, power steering, and power assist brakes with _____

		a 45 GPM oil cooler.	_____
7.10	<u>Hopper-</u>	Shall be 9 feet to 18 feet variable width, two section hopper system. Hoppers shall be capable of varying the spread width "on the run".	_____
7.11	<u>Capacity-</u>	0.2 cu yd / foot of width	_____
7.12	<u>Rear Hopper-</u>	Hopper to have hydraulically folding paver style wings controlled from the operator's station. Shall include heavy duty hopper skirting and an adjustable flow gate for each conveyer belt.	_____
7.13	<u>Capacity-</u>	4 cubic yard	_____
7.14	<u>Width-</u>	Width 11"	_____
7.15	<u>Front Axle-</u>	Mechanical front wheel drive steer axle, 25,000 lbs (11,365 kg) rated, full oscillating	_____
7.16	<u>Rear Axle-</u>	25,000 lbs (11,365 kg) rated, trailing-type axle	_____
7.17	<u>Tires-</u>	Heavy duty 385/65R 22.5 radials	_____
7.18	<u>Conveyor-</u>	Must have two independently activated conveyors with 24 inch wide belts. Each powered by a load sensing variable displacement pressure compensated hydraulic pump and a high torque hydraulic motor, with direct drive to the head pulley. Electric switches for each conveyor control to have easy access mechanical override. Hooded, aggregate deflectors to be located at the head of each conveyor. 24 degree troughing idlers are to be of quick removable type and the tail pulley to be adjustable for insuring proper belt alignment. Each belt to have automatic on/off controls to control aggregate level in the spread hopper. There shall be an override control to enable the operator to manually start or stop the conveyors as needed.	_____
7.19	<u>Belt width-</u>	24"	_____
7.20	<u>Belt Speed-</u>	State-	_____
7.21	<u>Truck Hitch-</u>	This unit shall be equipped with a positive, "self-locking railroad" type adjustable truck hitch, which can be electrically released from the drivers or front operators positions. Hitch height to be electrically controlled from the drivers position. The truck hitch shall be the type which will permit hooking and unhooking of aggregate trucks without stopping the chip spreader and be capable of maintaining positive engagement over irregular terrain Adjustment range 8" to 20" in height and 4" and 4" fore and aft.	_____

- 7.22 **Operators Area-** One control console station which can be manually moved from side to side for total operational control from either side of the chip spreader. Joystick to control forward/reverse and rate of speed. Instruments panel shall have display for application rate, product size, speed, oil pressure, coolant temperature, battery voltage, hydraulic oil temperature, percent fuel, engine hours and engine RPM's. All engine and hydraulic alarm system with lights and buzzer shall be included. Shall include an adjustable suspension seat with armrests. Shall be equipped with an umbrella to offer shade for the operator. _____
- 7.23 **Steering-** Fully hydraulic, orbital type _____
- 7.24 **Brakes-** Four-wheel power hydraulic _____
- 7.25 **Instrumentation-** Lockable instrument panel with ignition switch
Engine temperature
Engine oil pressure
Tachometer
Fuel gauge
Voltmeter
Hydraulic temperature
Hour meter
Lockable toolbox _____
- 7.26 **Equipment-** Left and right side ladders for easy access, hitch control at operators walkway, horn, back-up alarm, (10 lbs.) ABC type fire extinguisher and first aid kit, **state** location- _____
- 7.27 **Miscellaneous -** This unit to have headlights, stop and tail lights and turn signals with flashers switch. Unit also to have front fender on each side. An electric horn and electric back-up warning alarm is to be furnished. Must include an engine warning system. The paint is to be standard highway yellow. The unit to have one full length walkway right side with skid resistant surface adjacent to one side of the conveyor system. A steel lockable toolbox shall be mounted under the main deck. The unit to have corner LED strobe lights at all four corners and a yellow beacon with 360 degree visibility. The unit to have an umbrella installed for operator convenience. _____
- 8.0 PERFORMANCE-**
- 8.1 Shall be capable of consistent top performance for cold planning.
- 8.2 The responsibility for the design of the **Self Propelled Chip Spreader**, its performance and reliability shall rest upon the Contractor. _____

8.3 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.

8.4 Where the **Self Propelled Chip Spreader** develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

9.0 TRAINING-

9.1 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.

9.2 Training Aides:

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

9.3 What is the recommended minimum training duration for:

Primary unit:

For major attachments (if applicable): _____

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

For the primary unit:

For major attachments (if applicable): _____

- 9.5 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**

E-mail: Ichetyrbok@winnipeg.ca

Attn: Equipment Operator Training Consultant - Pending Equipment Delivery

Coordination of vendor familiarization training shall be coordinated through the Winnipeg Fleet Management Agency Safety Officer. It is the responsibility of the Contractor to contact the Safety Officer no later than (4) weeks prior to delivery to arrange operational and mechanical Vendor familiarization.

**[Winnipeg Fleet Management Agency](#)
[City of Winnipeg](#)**

**Mitchell (Glenn) McDermid
Safety Officer/ Training Coordinator**

**770 Ross Avenue
Winnipeg, Manitoba
R3E 1C6**

**Tel : (204) 986-2312
Cell : (204) 470-7166
Fax : (204) 983-3773**

E-Mail: gmcdermid@winnipeg.ca _____

10.0 WARRANTY-

10.1 **State manufacturer's standard warranty-** _____

10.2 Please provide optional price \$\$ for extended warranty if available- _____

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

11.0 LITERATURE-

11.1 Bidders shall submit within twenty-four (24) hours upon request of the Contract Administrator, current descriptive, detailed literature on the equipment being bid. _____

12.0 DELIVERY-

12.1 **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. _____

12.2 **Delivery Time-** Within **twelve (12) 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. _____

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

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