

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

1. Contract Title SUPPLY & DELIVERY OF WHEELED SIDEWALK SNOW REMOVAL MACHINE

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 WHEELED SIDEWALK SNOW REMOVAL MACHINE**

**UNIT PRICES**

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	Wheeled Sidewalk Tractor Snow Removal Machine	(09027)	(Each)	(11)	\$ _____	\$ _____
2.	Snow Blower attachment	(09027)	(Each)	(11)	\$ _____	\$ _____
3.	5 Way Snow Plow attachment	(09027)	(Each)	(11)	\$ _____	\$ _____

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

(in words) \_\_\_\_\_

\_\_\_\_\_

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

**FORM N: DETAILED SPECIFICATIONS 09027**

- 1.1 The Supply & Delivery of the **wheel sidewalk tractor snow removal machines and all associated attachments shall be new 2009 model year or newer**. The equipment 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 equipment 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 equipment.
- 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.
- 1.6 The **wheel sidewalk tractor snow removal machines, associated attachments** and all its components shall comply with the applicable regulations:

Highway Traffic Act = <http://web2.gov.mb.ca/laws/statutes/ccsm/h060e.php>

Manitoba Motor Vehicle Act = <http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/menu.htm>

Canadian Motor Vehicle Safety Standards, CMVSS = <http://www.gnb.ca/0062/regs/83-163.htm>

Transport Canada = <http://laws.justice.gc.ca/en/notice/index.html?redirect=%2Fen%2FM-10.01%2F250448.html>

National Safety Mark, NSM = <http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html>

Manitoba/Winnipeg Safety and Health Act = <http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> and <http://www.gov.mb.ca/labour/safety/>

Canadian Standards Association, CSA = <http://www.csa.ca/about/Default.asp?language=english>

Under Writers of Canada, U/L = <http://www.ulc.ca/>

Society of Automotive Engineers, SAE = [http://en.wikipedia.org/wiki/Society\\_of\\_Automotive\\_Engineers](http://en.wikipedia.org/wiki/Society_of_Automotive_Engineers)

**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.

**3.0 ELIGIBLE MODELS- TRACKLESS MT6 OR EQUIVALENT IN ACCORDANCE WITH B5. SUBSTITUTES STATED HEREIN.**

3.1 **STATE MAKE & MODEL-** \_\_\_\_\_

**4.0 SPECIFICATIONS-**

4.1 A four-wheel drive articulating, oscillating, rubber tired, diesel powered multi-purpose tractor, designed for year round work, utilizing currently owned City of Winnipeg attachments.

\_\_\_\_\_

4.2 Tractor shall be no wider than 50-1/2" (1.3 m), including fenders and no higher than 80" (2.03 m) to top of roof.

\_\_\_\_\_

4.3 Engine shall be a water cooled diesel with 115 hp @ 2500 rpm and producing torque of 360 lbs-ft @ 1500 rpm. Type –Tier III compliant diesel, liquid cooled and turbo charged. (SCR- Selective Catalytic Reduction not acceptable). Engines shall be warranted to use bio-diesel at a B10 blend level (10% bio-diesel to 90% ultra low sulphur diesel), where the bio-diesel will meet product specification ASTM D 6751 to ensure fuel quality.

\_\_\_\_\_

**5.0 REFERENCES-**

5.1 All equipment furnished and the parts thereof shall be of the manufacturer's latest listed and published stock models, which meet all the applicable requirements of these specifications. Manufacturer must provide references (Municipalities, Provincial, State), of recently built units. No prototypes will be accepted. The bidder must also submit contact names and telephone numbers upon request by the Contract Administrator.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_

**6.0 DIMENSIONS- (Dimensions are not to exceed the following:)**

6.1 Overall length including rear bumper 146.5 inches \_\_\_\_\_

6.2 Height of top of cab 80.0 inches \_\_\_\_\_

6.3 Track width (wheel to wheel) with radial tires 48.5 inches \_\_\_\_\_

6.4 Overall width including fenders 50.5 inches \_\_\_\_\_

6.5 Inside turning radius 90.0 inches \_\_\_\_\_

**7.0 OPERATING WEIGHT-**

7.1 For increased traction and safety, the weight of tractor is to be no less than 5,700 lbs. \_\_\_\_\_

7.2 6,500 lbs, state- \_\_\_\_\_

**8.0 CHASSIS-**

8.1 The tractor shall consist of 4 main structures, front cab/frame, centre-frame, mid-frame and rear frame. \_\_\_\_\_

8.2 Two grease-able pivot pins 1.5" dia., shall connect mid-frame to the center-frame through hardened grease-able spherical bearings. \_\_\_\_\_

8.3 The mid frame must be removable from the rear frame to allow easier removal of drive-train components such as a PTO clutch or pump drive assembly from the bell housing. \_\_\_\_\_

8.4 Frame rails are to be of sufficient strength to withstand rough road impact with loaded sander on the rear and the heaviest front mounted attachment supplied or offered for future purchases. \_\_\_\_\_

8.5 Tractor shall articulate and oscillate. \_\_\_\_\_

**9.0 ENGINE ACCESS PANELS-**

9.1 Each side hood shall have 2 hinged access doors The top hood shall open independently. It must be hinged and be held open by a support rod. \_\_\_\_\_

9.2 Quick easy access to oil dipstick is required. \_\_\_\_\_

9.3 All hoods and panels must be 16 gauge steel to withstand rough operation and contact with tree branches, signs, fences and other obstructions encountered. Stainless steel mounting hardware to prevent rusting. Plastic, fibreglass or any other non-metallic material is unacceptable.

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9.4 Complete rear grill shall hinge open for easy access to clean coolers and radiator.

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9.5 There shall be a hinged door for access to the radiator fill spout.

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**10.0 COOLING-**

10.1 Engine shall be water-cooled by means of an 18-inch diameter fan and a radiator.

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10.2 The hydraulic system shall have a thermostatically controlled bypass valve for cold weather operation.

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10.3 Engine cooling air intake grills must be in place. Perforations must be small enough to prevent grass clippings from entering coolers. Convoluted ribs may be used to achieve sufficient surface area.

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**11.0 P.T.O. -**

11.1 PTO drive system to be mechanical by way of a clutch. Must be electric over hydraulic actuation with indicator light.

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11.2 The engagement speed of the clutch must be adjustable.

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11.3 The front PTO is to be 1-3/8 inch diameter, 6 spline. 540 PTO rpm @ 2160 engine rpm with 95 PTO hp required.

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**12.0 IMPLEMENT HITCHES-**

12.1 Tractor shall be supplied with a front quick hitch system. Implement height shall be controlled by two double acting hydraulic cylinders that are operated from the operator joystick. Spring load lift latches hold the implement frame in place.

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12.2 Tractor must be capable of attaching and operating existing attachments already owned by

the City of Winnipeg. For request of attachment information please contact the Contract Administrator.

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**13.0 TRANSMISSION-**

13.1 The tractor shall be propelled by a hydrostatic transmission and controlled by a single electronic foot pedal. The electronic pedal controls the hydrostatic transmission and the engine RPM simultaneously when selected by the operator. When independent control of the hydrostatic transmission and engine RPM are needed, the operator can select a mode allowing the foot pedal to control the hydrostatic transmission and a hand throttle lever to control engine RPM. This allows the operator to control the PTO shaft speed independently from tractor speed to properly run the required PTO driven attachment.

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13.2 A forward/neutral/reverse shifter with a detent locking button shall be supplied. The shifter must be located as close as possible to, and to the right of the joystick.

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13.3 The tractor shall have a 2-speed mechanical transmission that provides speed ranges of:

LOW RANGE	0 - 12 km / hr
HIGH RANGE	0 - 32 km / hr

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13.4 The transmission must have a neutral position allowing the tractor to be towed, without danger of damaging the hydrostatic transmission.

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**14.0 AXLES-**

14.1 Axles shall be Dana model 60, full floating with trac-lock differentials or equivalent.

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14.2 7000 lbs capacity each

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14.3 There shall be no less than 8 x ½ inch dia. bolts securing each axle housing to the chassis. Bolts to be grade 5.

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14.4 Each axle shaft shall have a minimum of 8 wheel studs.

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14.5 Tractor must have independent electrically activated axle differential lockers for both axles.

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**15.0 BRAKING SYSTEMS-**



15.1 Tractor shall have 3 braking systems-

- hydrostatic dynamic braking
- hydraulic service brakes
- mechanically actuated emergency/parking brake.

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15.2 Service brakes must consist of brakes at all 4 wheels.

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15.3 Hydraulic service brakes (drum and shoes) on all 4 wheels.

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15.4 Parking brake is to be applied by way of an adjustable parking brake lever. Must be able to apply the brakes mechanically in the event that the hydraulic system for applying the service brakes fail.

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15.5 The parking brake must sound a warning buzzer & light when applied.

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**16.0 WHEELS/TIRES-**

16.1 Tires shall be 10-ply radials mounted on heavy duty steel wheels with no less than 8 wheel studs. Make shall be Firestone/Bridgestone or Michelin, state size make & model-

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**17.0 HYDRAULIC SYSTEMS-**

17.1 The hydraulic gear pump shall be driven by the timing gears of the engine and produce 20 gpm.

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17.2 Tractor shall be supplied with an operator electronic joystick.

17.3 All attachment functions are to be controlled by a single joystick with LED indicator lights. Joystick allows lifting & lowering of attachment while 2 other function controls remain live.

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17.4 Six front hydraulic couplers (3 pair) are to be supplied for operating the control features on various City of Winnipeg attachments.

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17.5 In addition to these 6 couplers, there shall be an auxiliary hydraulic pump to supply 2 front couplers (1 pair) with a high volume of fluid dedicated to power attachments requiring 14 gpm.

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17.6 This auxiliary hydraulic pump will only be powered if the PTO clutch is engaged.

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17.7 Rear of tractor shall have 1 pair of guarded high volume

- hydraulic couplers to power various attachments. \_\_\_\_\_
- 17.8 Hydraulic couplers must be colour coded, matching joystick colour coded membrane switches. \_\_\_\_\_
- 17.9 All hydraulic hoses to have NPT, SAE straight thread or SAE split flange fittings (metric fittings not allowed). Main hydraulic lines from pump to drive motor fabricated from high strength metal tubing and secured to side frame rail. \_\_\_\_\_
- 17.10 Hydraulic oil filter shall be cartridge type, mounted at highest point in hydraulic system for dry changes. Spin on filters not accepted. \_\_\_\_\_
- 17.11 Hydraulic tank to be equipped with a main shut off valve. \_\_\_\_\_
- 18.0 ELECTRICAL-**
- 18.1 Tractor shall have a 12 V, neg ground system \_\_\_\_\_
- 18.2 (950) CCA group 31 battery with remote boost terminals \_\_\_\_\_
- 18.3 95 amp alternator \_\_\_\_\_
- 18.4 Main breaker switch protection. \_\_\_\_\_
- 18.5 Tachometer and non-reset-able hour meter required \_\_\_\_\_
- 18.6 Coolant temperature gauge required \_\_\_\_\_
- 18.7 Engine oil pressure gauge required \_\_\_\_\_
- 18.8 Hydraulic oil temperature gauge required \_\_\_\_\_
- 18.9 Voltmeter required \_\_\_\_\_
- 18.10 Fuel level required \_\_\_\_\_
- 18.11 Speedometer with odometer required \_\_\_\_\_
- 18.12 7-prong trailer plug, brake controller and trailer hitch for pulling various attachments such as sand spreaders and sidewalk flushers. \_\_\_\_\_

18.13 Due to the complexity of the wiring systems in tractors with Tier 3 engine management system and other electronic management systems. The following specifications are required to assist in efficient diagnostic and electrical repairs over the life of the tractor:

- Wiring harnesses must be professionally manufactured with terminals that are machine crimped to ISO standards.
  
  - On both ends of all harness wires there must be letter location codes and wire numbers printed permanently on the wire insulation. Codes and numbers must be shown on all parts manual exploded views and wiring schematic drawings and charts.
  
  - All single wires that are not part of a harness must have a part number permanently printed on the insulation.
  
  - All fuses are to be mini blade type and must be contained within an IP76 water tight enclosure.
  
  - All harness plug connectors shall be standard Packard weatherproof. Bulkhead connectors must be twist lock type.
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**19.0 LIGHTING-**

19.1 There shall be 4 headlights and 1 backup light. All 5 lights are to be halogen, of the same make, adjustable by the operator if needed, and protected by a suitable cage to prevent damage from branches and other obstacles. (All lighting must be sufficiently guarded for Winnipeg environment)

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19.2 There shall be signal lights, 4 way flashers, an interior dome light and shock proof rubber mounted taillights. Rear mount stop tail lights shall be mounted in a location Not to impede visibility when utilizing a tow behind sander spreader.

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19.3 There shall be amber and blue LED roof-mounted strobe type flashers at all four corners of the tractor. The strobe lights must be protected by a suitable cage to prevent damage from branches and other obstacles. Lighting shall have 360 visibility.

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19.4 All lighting accept headlights must be LED no exceptions.

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19.5 Brake lights are to illuminate when machine is put into gear. When Hydrostatic pedal is depressed, brake lights turn off.

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**20.0 CAB-**

- 20.1 All panels and roof must be steel. Plastic, fiberglass or any other non-metallic material will not be accepted. Steel sides and fenders must be 10 gauge or heavier (glass cab sides not acceptable). 

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- 20.2 One 24,000 BTU heating system with vents to operators feet. One 14,000 BTU roof mounted heating system, incorporating a cab pressurizer and air conditioner. These systems must evenly distribute air to the front windshield, rear windshield, both side windows of the cab and at the operators feet through adjustable vents. Windows must stay clear in Winnipeg environment 

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- 20.3 Front window intermittent wiper and washer. 

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- 20.4 Rear window wiper and washer. 

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- 20.5 Dual inside rear view mirrors. 

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- 20.6 Two exterior, vibration free side view mirrors. These mirrors must easily fold back (break-away) to prevent damage from branches, fences and other obstacles. 

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- 20.7 3 point seat belt including shoulder harness (must be retractable type) 

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- 20.8 AM/FM/CD stereo with dual speakers. 

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- 20.9 Internal mounted aerial with amplifier, (exterior mounted aerials not accepted). 

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- 20.10 Cup holder. 

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- 20.11 Tilt steering column. 

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- 20.12 DOT approved, tinted, tempered safety glass for all windows. 

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- 20.13 Side windows shall be slider type contained within an aluminium frame. 

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- 20.14 Sound deadening material on both the cab walls and floor. Floor matting must have heavy-duty vinyl wear surface. Interior must not exceed 76db. 

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- 20.15 Overhead interior dash panel. 

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- 20.16 Operators manual pocket inside cab, within easy reach of the operator. 

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- 20.17 Cab and front frame are to be one structure for additional strength 

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- 20.18 Shall have a high back fabric-covered seat with adjustable armrests and lumbar support. (SEAT MUST BE AIR-RIDE, no exception) 

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20.19 Horn button mounted in the centre of the steering wheel

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**21.0 FUEL TANK-**

21.1 Single fuel tank capacity 105 litres. Add on auxiliary tanks are not acceptable.

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**22.0 PAINT/FINISH-**

22.1 All steel fabricated parts including the cab and all frames are to be prepped in a 4-stage phosphate wash prior to paint. All parts are to receive a 2-part epoxy primer with rust inhibitor. The topcoat is to be a 2-part polyurethane automotive quality finish which is oven baked.

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22.2 For corrosion resistance, the following parts shall be zinc plated:

- Lift latches, lift latch levers, linkages and secondary locks.
  - Battery hold down straps and bolts.
  - Hood support rod.
  - Fender / side hood mounting brackets.
  - Door striker plate.
  - Hi / low range shifter gate.
  - Miscellaneous small mounting brackets.
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**23.0 LABELLING/WARNING DECALS-**

23.1 The following labels and decals shall be put on tractor-

- Pinch point decals
  - Danger – rotating shaft decal
  - Danger – Fan decal
  - Joystick function / operation decal
  - Diesel fuel only decal on fuel reservoir (.75" high letters)
  - Hydraulic oil only decal on oil reservoir .75" high letters)
  - Decals for adjustment procedures
  - Grease chart decal approx. 11" x 12" under top hood. Decal must include illustrations for showing grease points.
  - Metal tag - ROPS Certification
  - Metal tag - Serial number / model / model year
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**24.0 AUTO GREASING SYSTEMS-**

24.1 Groeneveld Twin Automatic Greasing System or equivalent in accordance to B5. Substitutes stated herein. State quantity of grease points- \_\_\_\_\_

24.2 Please state greasing schedule that cannot be preformed by the automatic greasing system- \_\_\_\_\_

**25.0 SAFETY FEATURE REQUIREMENTS-**

25.1 A neutral safety start system shall prevent the engine from starting unless shifted into neutral. \_\_\_\_\_

25.2 One (1) 2.5 lbs Fire extinguishers, Flare kit, First aid kit required, located as per manufactures recommendations, state location- \_\_\_\_\_

25.3 A seat safety switch must automatically shut down the engine if the operator leaves the seat without placing the shifter into neutral. (no exceptions allowed) \_\_\_\_\_

25.4 A seat safety switch must automatically shut down the PTO circuit if the operator leaves the seat without turning off the PTO. button. \_\_\_\_\_

25.5 Tractor must have a hydraulic brake at each wheel. There must also be a mechanical parking brake that can be applied if hydraulic brakes fail. \_\_\_\_\_

25.6 The cab shall be "ROPS certified" and bear a certification label so stating on the cab. An engineering ROPS test report is required for verification. The cab must be constructed of steel sheet, plate, HSS tubing and ROPS tubing. (no exceptions allowed) \_\_\_\_\_

25.7 A protection guard must enclose the engine fan. \_\_\_\_\_

25.8 The tractor shall have reflective striping on both sides of cab and rear side hoods, as well as on the rear hood below the taillights. \_\_\_\_\_

25.9 Tractor shall have a backup alarm activated by the forward/neutral/reverse lever, 105 dba \_\_\_\_\_

25.10 The cab shall have easy access for operator entry/exit. There must be a step at no higher than 14 inches above the ground. The step shall be approximately 11" long and must be behind the front wheel. \_\_\_\_\_

25.11 The tractor shall have Safety, Danger, Caution and Pinch Point decals as described in the labelling section of this specification. (no exceptions allowed) \_\_\_\_\_

25.12 Access to the PTO shaft shear bolt shall be from inside the cab. This is also where the PTO shaft is connected when attaching an implement. Having to reach down in front of the tractor to connect \_\_\_\_\_

the PTO shaft or change a shear bolt will not be accepted.

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- 25.13 In the event that the City of Winnipeg utilizes the tractor to perform Mowing services, the hydraulic circuits that power the mower wings must turn off automatically when wings are raised to a pre-determined angle. When lowered, they must be re-started. This feature must be designed into the tractor for future additional attachment purchases.
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**26.0 SNOW BLOWER-**

- 26.1 Must be model Snoquip XX 51" or equivalent in accordance to B5. Substitutes stated herein.
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**27.0 (5) WAY SNOW PLOW-**

- 27.1 Must be model Machineability or equivalent in accordance to B5. Substitutes stated herein.
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**28.0 OPTIONS-**

**28.1 SUMMER TIRES & RIMS**

- 28.2 Summer turf tire & wheel option. Tires 31X 13.5 X 15 ", state optional price \$\$-
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**28.3 TANDEM SIDEWALK SANDER SPREADERS**

- 28.4 Must be model Colpron 2250 or equivalent in accordance to B5. Substitutes stated herein, state optional price \$\$-
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**28.5 DEEP GEAR REDUCTION-**

- 28.6 For concrete and asphalt cold planer attachments Currently owned by the City of Winnipeg, the tractor must have a deep gear reduction planetary transmission option, that decreases speed and increases torque which allows 4 speed ranges instead of 2. The deep low creeper gear shall allow ground speeds of 0-10 ft per minute. Achieving creeper gear speeds through hydrostatic system only is not acceptable. State optional price \$\$-
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**29.0 TRAINING-**

- 29.1 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.
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29.2 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.

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29.3 The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Training Branch Department.

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29.4 The training shall be conducted in Winnipeg at a time and location designated by the Training Branch Department.

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29.5 Pricing should be based on two (2) business days for maintenance personnel and two (2) business days for operating personnel.

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29.6 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 Training Branch Department.

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29.7 Training Aides: Attachment manual must also be provided for all attachments ordered.

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29.8 Training aids to be included.

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

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29.9 State if other training aids are available and state type.

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29.10 What is the recommended minimum training duration for:

Primary unit:

For major attachments (if applicable):

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

For the primary unit:

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For major attachments (if applicable):

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29.12 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:

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Public Works Safety and Operator Training Division  
Operator Training Branch  
2nd Floor, Building "B", 1500 Plessis Road  
R2C 5G6

E-mail: pwd-opertrain@winnipeg.ca

Attn: Equipment Training Coordinator - Pending Equipment Delivery

29.13 State acknowledgement of item 29.12- \_\_\_\_\_

**30.0 WARRANTY-**

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

30.2 The Contractor shall warrant all equipment and all parts thereof, not including wear items against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within one (1) year unlimited hours on unit and two (2) years unlimited hours on engine from the date the equipment is put into service by the City of Winnipeg. \_\_\_\_\_

30.3 Please state wear items- \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

30.4 State additional optional warranty- \_\_\_\_\_

30.5 Must supply priced warranty invoices with parts, labour posted and invoice showing a zero balance minus any deductibles \_\_\_\_\_

**31.0 LITERATURE-**

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

**32.0 FULL MAINTENANCE QUOTATION-**

32.1 Please provide quotation on a guaranteed maintenance contract as per manufactures maintenance guidelines. for the following: \_\_\_\_\_

32.2 (4) years, 1500 hours per year full maintenance- \$\$ \_\_\_\_\_

32.3 (5) years, 1500 hours per year full maintenance- \$\$ \_\_\_\_\_

32.4 (6) years, 1500 hours per year full maintenance- \$\$ \_\_\_\_\_

32.5 Weekly On site- greasing maintenance- \$\$ \_\_\_\_\_

**33.0 DELIVERY-**

33.1 **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. \_\_\_\_\_

33.2 **DELIVERY TIME-** Within sixteen (16) 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. It is the responsibility of the contractor to unload all tractors. \_\_\_\_\_

33.3 **DELIVERY CONTACT-** The Contractor shall contact the Contract Administrator prior to delivery of the equipment. \_\_\_\_\_

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

**34.0 REPAIR TIMES-**

34.1 **SRT Times-** Please provide Standard Repair Times (SRT), of the nature of equipment being bid. \_\_\_\_\_