

PART A

BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title SUPPLY & DELIVERY OF A SELF-PROPELLED SNOW BLOWER

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

e-mail address

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.1 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.

Template Version: G320040301

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)

SUPPLY & DELIVERY OF A SELF-PROPELLED SNOW BLOWER

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	Self-Propelled Snow Blower	06074	Each	1	\$ _____	\$ _____
1a	Operator's Manual for Item 1	06074	Each	2	\$ _____	\$ _____
1b	Parts, Repair and Service Manuals for Item 1	06074	Set	2	\$ _____	\$ _____
TOTAL BID PRICE (GST and PST extra) (in figures) \$ _____ (in words) _____ _____						

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 06074

SELF-PROPELLED SNOW BLOWER

(Street Maintenance)

1.0 SCOPE

- 1.1 These specifications describe the supply and delivery of a new or slightly used hydrostatically driven, self-propelled, dual stage, heavy-duty snow blower. The unit being bid shall be a 2004 model year snow blower or newer with less than 350 hours on the entire machine. Reconditioned units will not be accepted in this Bid Opportunity.
- 1.2 The self-propelled snow blower shall be furnished complete and ready for use. All parts not specifically mentioned, but which are required to complete and place the unit into successful operation, shall be furnished as though specifically mentioned in these specifications. The complete unit, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 1.3 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 unit.
- 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 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 completed unit and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements.

3.0 QUALIFICATIONS OF MANUFACTURER / CONTRACTOR

- 3.1 The Contractor shall be an authorized distributor/supplier of the snow blower equipment being bid.
- 3.2 The Contractor 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 machine 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 on snow blower equipment of the equipment type being offered, and general service capabilities. A description of the service facility shall be provided within 3-calendar days upon request of the Contract Administrator.
- 3.3 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that warranty work be performed by the City of Winnipeg Repair Facilities. Any Work performed by the City of Winnipeg Repair Facilities 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 2007: \$73.50/hour regular time, \$103.50/hr overtime and callout).

4.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 4.1 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.

4.2 Each bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

5.0 MAKE & MODEL

5.1 State model year, make and model being bid: _____

5.2 State number of operating hours on the entire machine. _____

6.0 PERFORMANCE

6.1 The unit being bid shall be capable of consistent top performance of blowing snow up to a distance of 130 ft., clearing capacity of 3500 tons per hour, travelling speed of 50 km/h, clearing speed of 40 km/h, and blowing windrows consisting of hard packed snow, ice and sand during the winter months that are normal to the City of Winnipeg. The unit being bid will also be required to blow, on occasion, windrows containing pieces of curb, rocks, tailpipes and mufflers at temperatures up to -30°C, i.e., during the winter environment that is normal to the City of Winnipeg. _____

7.0 WEIGHT AND DIMENSIONS

7.1 Overall weight – 20,000 lbs. (9072 kg) approx., state overall weight of unit being bid, fully fuelled. _____

7.2 Overall length – 265 in. (6731 mm) approx., state. _____

7.3 Overall height, to top of cab – 114 in. (2896 mm) approx., state. _____

7.3.1 Overall height, to top of chute, fully extended – 160 in. (4064 mm) approx., state. _____

7.4 Clearing width – 98 in. (2490 mm) approx., state. _____

Note: Clearing width shall be slightly wider than vehicle track width.

7.5 Clearing height, to top of blower head – 60 in. (1524 mm) approx., state. _____

8.0 ENGINE

8.1 Single engine driving both snow blower and vehicle drive. _____

8.2 Type – 6-cylinder diesel engine, turbo-charged, 440 hp minimum, state make, model and horsepower. _____

8.3 Engine shutdown – low oil pressure/high water temperature, Kysor Model 9042 or factory installed equivalent. _____

8.4 Air cleaner – heavy duty replaceable element, dry type with pre-cleaner, intake to be protected from rain, ice and snow. _____

8.5 Air intake warmer – required. _____

8.6 Block heater – 110 Volt, immersion type. _____

8.7 Electric start system – 12 or 24 Volt starter, thermally protected. _____

8.7.1 Starter switch – keyed with three (3) sets of ignition keys. _____

8.8 Batteries – 2250 CCA combined capacity min.. _____

8.9 Alternator – 75 amp min., state make, model and output. _____

8.10 Fuel filter – required with heated and drainable water separator, Racor or equal. _____

8.11 Exhaust – muffled exhaust, overall exhaust height to be at or slightly higher than roof line. _____

8.12 Engine cowling to be ergonomically designed to allow easy access for general maintenance and servicing. _____

9.0 SNOW BLOWER HEAD

9.1 Type – 2-stage heavy duty cutter/impeller system, mounted in front of cabin. _____

9.2 Auger – single ribbon style auger, 44 in. (1118 mm) approx. diameter, dynamically balanced, c/w bolt-on ice cutters. _____

9.3 Impeller – 45 in. (1143 mm) approx., state diameter. _____

9.4 Auger and impeller to be equipped with shear bolt protection, easily accessible, state size and Grade. _____

9.5 Blower head to be hydraulically controlled having minimum 19 in. (480 mm) vertical movement, 9° left/right lateral swivelling, 5° front tilting. _____

10.0 DISCHARGE CHUTE

10.1 Type – hydraulically adjustable, suitable for loading into a dump trailer, state material and thickness. _____

10.2 Discharge chute shall have a contoured back design to eliminate plugging. _____

10.3 Chute extension – hydraulically extendible through double acting cylinder(s). _____

10.4 Diameter – 16 in. min., state. _____

10.5 Degrees of rotation – state. _____

10.6 Snow deflector – hydraulically adjustable through double acting cylinder(s).

10.7 Chute liner – min. $\frac{3}{8}$ in. high tensile AR steel plate or equal, state material and thickness.

11.0 DRIVE SYSTEM

11.1 Type – hydrostatic drive for snow blower chassis, infinitely variable automatic load sensing system.

11.2 Permanent drive on front axle with ability to switch rear axle drive on or off by operator.

11.3 Snow blower drive – hydrostatic, infinitely variable.

11.4 Drive/blower performance – 0.3-40 km/h.

11.5 Drive/travelling performance – 0-50 km/h.

12.0 AXLES & STEERING

12.1 Axles – heavy duty planetary with integrated disc brakes.

12.2 Differential lock – required on both axles.

12.3 Steering – selective hydrostatic steering, i.e., selectable for front, rear, 4-wheel, and crab-steering.

13.0 BRAKES

13.1 Type – hydraulic dual circuit braking system with disk brakes front and rear.

13.2 Continuous braking through hydrostatic drive.

13.3 Parking brake – required on at least one axle.

14.0 CHASSIS

14.1 Frame – full frame, all welded steel rectangular tubing.

14.2 Suspension – leaf springs on both axles.

14.3 Tires – four (4) tires, approximate size 365/80R 20 MPT, rated for machine weight and GVWR.

14.3.1 Spare wheel and tire – one (1) spare, identical to wheels and tires bid in Section 13.3 above.

14.4 Fuel tank – 500 L tank capacity min., fully fuelled upon delivery.

14.5 Slow moving vehicle emblem – Grote 71152 or equal c/w bracket, mounted to rear of snow blower.

15.0 CAB

15.1 Type – fully enclosed, insulated, winterized cab. _____

15.2 Material – steel cab with corrosion protection. _____

15.3 Decibel level – 80 dB maximum at full load, state. _____

15.4 Doors – two (2) hinged, lockable with key. _____

15.5 Windows – safety glass all around c/w suitable markings, heated. _____

15.5.1 Side windows – electrically heated, opening type on both sides. _____

15.6 Rear view mirrors – dual side-mounted, heated type. _____

15.7 Heater – interior heater/defroster with multi-speed fan, capable of keeping all windows clear at a temperature of -30° C. _____

15.8 Sun visors – dual, one on each side. _____

15.9 Windshield wiper(s) – 2-speed, intermittent c/w washer. _____

15.10 Driver and passenger seats – suspension type seats, fully adjustable c/w seat belts. _____

15.11 Steering wheel – adjustable. _____

15.12 Interior light – required. _____

15.13 Radio – AM/FM. _____

15.14 Fire extinguisher – 5 lb. ABC type, permanently fastened with quick release. _____

15.15 Spotlight – roof mounted, adjustable, actuated from within cab. _____

15.16 Hourmeter – required, non-resettable type. _____

16.0 GAUGES & CONTROLS

16.1 Emergency engine stop button – permanently installed on the blower head. _____

16.2 The following operator controls and gauges shall be supplied: _____

i) Engine coolant temperature gauge. _____

ii) Engine oil pressure gauge. _____

iii) Ammeter/voltmeter. _____

Template Version: G320040301

- iv) Ignition and engine stop switch.
- v) Blower engage/disengage, electrical.
- vi) Throttle increase/decrease.
- vii) Spout rotation left and right.
- viii) Snow deflector in/out.
- ix) Chute extension control.
- x) Tachometer.
- xi) Hourmeter, non-resettable type.
- xii) Fuel gauge.

17.0 ELECTRICAL AND LIGHTING EQUIPMENT

- 17.1 Type – 12 or 24-Volt, negative ground.
- 17.2 Headlights – two (2) sealed beam lights c/w high and low beam.
- 17.2.1 Headlights to be enclosed, protected from damage.
- 17.3 Rotating beacons – two (2) required, front Preco 7611A, rear Preco 7611B. Beacons to be wired through ignition c/w fused dash mounted switch, labelled with a permanent type engraved style label.
- 17.4 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing.
- 17.5 All joining of wires shall be soldered and sealed using heat shrink tubing or approved OEM weathertight connections (crimp on electrical connectors for joining wires are not acceptable).
- 17.6 All electrical cable supplied shall be shielded, low temperature rated, anti-scuff, industrial type cables, Tectran 742A2 Articflex or equal.
- 17.7 Any holes required to run wires through shall be drilled (not punched), grommetted and sealed as required.

18.0 MISCELLANEOUS

- 18.1 All grease fittings for the entire snowblower shall be readily accessible or shall be equipped with remote grease zerks as required.
- 18.2 Wear shoes – carbide steel, two (2), 3/4 in. thick approx., replaceable.
- 18.3 Scrapper blades – carbide steel, min. six (6) replaceable, 1/4 in. thick approx..

18.4 Weigh scale ticket – the Contractor shall provide a certified weigh scale ticket upon delivery of the completed unit. The scale ticket shall include the unit fully operational including a full tank of fuel.

19.0 FINISH

19.1 All steel components shall be sandblasted, properly cleaned, primed and finished with manufacturer's standard colour. State colour.

20.0 MANUALS

20.1 Manuals supplied under this contract shall be in English and shall be specifically for the snow blower supplied. General purpose manuals are not acceptable. The manuals shall cover the complete equipment and all components thereof including the engine. CD is preferred where available.

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

- i) Operator's manual – quantity as per Form B: Prices.
 - ii) Parts, repair and service technical manuals – complete sets including preventative maintenance schedules. CDs are preferred. Quantity as per Form B: Prices.
-

21.0 DELIVERY

21.1 The unit shall be serviced, ready for operation and delivery F.O.B. with the freight prepaid to the City of Winnipeg, Winnipeg Fleet Management Agency, 185 Tecumseh Street, Winnipeg, Manitoba within **twenty (20) calendar days** from the date of official notification of award of Contract. The Contractor shall contact the Contract Administrator prior to delivery of the equipment. Equipment shall be Delivered within 8:00am and 3:00pm on Business Days.

21.2 The Contractor shall fax all equipment serial numbers, hours to the Contract Administrator one (1) calendar week prior to delivery.

21.3 A pre-delivery inspection shall be performed by the Contractor on all equipment.

22.0 TRAINING

22.1 The Contractor shall provide operational and maintenance training by qualified staff for City of Winnipeg personnel. The training shall be conducted in separate sessions for each group of personnel. Each session shall be approximately 1 day in duration and shall provide adequate familiarization and orientation on the unit, to the satisfaction of the Contract Administrator. The training shall be conducted in Winnipeg at a location to be designated by the Contract Administrator.

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

23.0 PERFORMANCE RELIABILITY

23.1 The responsibility for the design of the complete unit, its performance and reliability shall rest upon the Contractor.

23.2 The term "*repeat failures*" as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the unit inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, sub-assembly, 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 schedules.

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

24.0 WARRANTY

24.1 The warranty for the **entire unit** shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials, for a period of not less than **five (5) years**. Any article that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City. The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg.
