

PART A

BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title SUPPLY & DELIVERY OF MOTOR GRADERS

2. Bidder

Name of Bidder

Street

City

Province

Postal Code

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

Contact Person

Title

Telephone Number

Facsimile Number

4. Definitions

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

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7. Contract

The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid Submission.

8. Addenda

The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	_____	Dated	_____
	_____		_____
	_____		_____

9. Time

This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures

In witness whereof the Bidder or the Bidder's authorized official or officials have signed this

_____ day of _____, 20_____ .

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
 (See B8)

SUPPLY & DELIVERY OF MOTOR GRADERS

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	MOTOR GRADER	05043	Each	2	\$ _____	\$ _____
1a	Operator's Manual	05043	Each	2	\$ _____	\$ _____
1b	Parts, Repair and Technical Service Manuals	05043	Each	2	\$ _____	\$ _____
TOTAL BID PRICE (GST and PST extra) (in figures) \$ _____ (in words) _____ _____						

 Name of Bidder

FORM N (R1) : DETAILED SPECIFICATIONS 05043

MOTOR GRADERS *(Street Maintenance)*

1.0 INTENT

- 1.1 It is the intent of these specifications to describe a nominal 34,500 lbs., articulated, all wheel drive motor grader with a heavy-duty circle, 14 ft. moldboard and other equipment and features as specified herein.
- 1.2 Eligible models acceptable to the City for new machines are John Deere 772D, Volvo G726B, Volvo G746B, CAT 143H, CAT 163H,
- 1.3 The Motor Graders shall be furnished complete and ready for use. All parts not specifically mentioned, but which are required to complete and place the units in successful operation, shall be furnished as though specifically mentioned in these specifications. The complete units, 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 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.
- 1.5 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.

3.0 QUALIFICATIONS OF MANUFACTURER / CONTRACTOR

- 3.1 The Contractor shall be an authorized distributor/supplier of the Motor Grader equipment being bid.
- 3.2 Manufacturers of Motor Graders having a minimum of three (3) continuous years of experience manufacturing Motor Grader equipment of the type being offered is preferred. A 1% Bid Advantage for each year of manufacture (up to 3%) will be offered as an indication of equipment performance and reliability.
- 3.3 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 Motor Grader 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 Motor Grader equipment, and general service capabilities. A description of the service facility shall be provided within 3-calendar days upon request by the Contract Administrator.
- 3.4 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 Facility. 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 2005: \$68.00/hour regular time, \$95.00/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 PERFORMANCE

5.1 Shall be capable of consistent top performance for snow removal work, construction activities, maintenance dragging, and other miscellaneous municipal grader functions during the summer and winter environment which is normal to the City of Winnipeg. _____

6.0 WEIGHT & DIMENSIONS

6.1 State operating weight (SAE) - c/w 14 ft. moldboard, full fuel tank, coolant, lubricants and an operator. _____

7.0 ENGINE

7.1 Turbo II pre-cleaner or equivalent. State. _____

7.2 Air cleaner - dry two-stage with restriction indicator. _____

7.3 Engine block heater - immersion type. _____

7.4 Engine protection system - shall provide visual and audible warning of principal machine systems including engine oil pressure and coolant temperature. _____

7.5 Snow plow protection package - shall include protection for brake line covers and battery box protection. _____

8.0 DRIVE TRAIN

8.1 Transmission shall be a power shift transmission. _____

8.2 Differentials - required with operator controlled lock/unlock. _____

8.3 Front drive - hydraulic drive, operational as a minimum in gears 1-5 forward and 1-4 reverse. State. _____

9.0 BRAKES & TIRES

9.1 Service brakes - 4-wheel, hydraulic or air actuated, wet disk type. _____

9.2 Parking brake - manually operated, spring applied, hydraulically released preferred. State. _____

9.3 Tires - six (6) 17.5-25 radial tires, mud & snow tread on a 3-piece rim, Bridgestone V.K.T. or Goodyear A.S.3.A. State make and model being bid. _____

9.3.1 Spare tire and rim - one (1) per grader, same as front and rear tires and rims. _____

Note: Two (2) spare tires and rims shall be provided per grader if tires and rims differ in size or mount from front to rear, (i.e., one (1) of each type per grader).

10.0 MOLDBOARD

10.1 Dimensions - 24" H x 14' L x 0.875" T minimum. _____

10.2 Moldboard shall be equipped with blade lift accumulators, power tilt, power side-shift, a hydraulically driven, fully reversing circle, replaceable end bits and minimum 3/4" x 6" heat treated cutting edges. _____

10.2.1 Stinger Board c/w eighty-four (84) Stinger teeth, maximum duty bit. John Deere part number AT 164846, or equivalent. State. _____

10.3 2 foot mouldboard extension on the right side required (each unit) _____

11.0 HYDRAULICS

11.1 Float position - required for vertical movement of the moldboard.. _____

11.2 Additional valving for snow wing and front plow c/w float _____

11.3 Lock valves shall be integrated into all implement circuits to prevent drift _____

12.0 OPERATOR COMPARTMENT

12.1 Type - roll over protective structure complete with pressurized cab, OSHA certified or equal. _____

12.2 Insulation - required for sound suppression. _____

12.3 Interior noise level - maximum 77 Db(A), measured in accordance with SAE J336. State noise level. _____

12.4 Seat - cushioned suspension seat, adjustable bucket type with cloth upholstery, c/w adjustable armrests and retractable seat belt. _____

12.5 Exterior rear view mirrors - one (1) each side, heated type. _____

12.5.1 Interior rear view mirror. _____

12.6 Windshield wipers - two speed, front (upper and lower) and rear. _____

12.6.1 Windshield washers front (upper and lower) and rear. _____

12.7 Heater/defroster/pressurizer - heavy duty, hot water type with filtered air intake. _____

12.7.1 Heater capacity - approx. 40,000 BTU. _____

12.8.2 Defroster - capable of keeping all windows clear. _____

12.9 Air conditioning - approx. 20,000 BTU. _____

12.10 Rubber floor covering - required throughout. _____

12.11 Radio - AM/FM. _____

12.12 Sun Visors required, front and rear _____

13.0 INSTRUMENTATION

13.1 Engine Alarm System shall be OEM, notification by light and buzzer. Shall include- engine coolant, engine oil pressure and transmission oil temperature. _____

14.0 ELECTRICAL & LIGHTING

Note: All lights must be protected from damage, ie. snow, branches, or vibration.

14.1 Radio installation provision - 12 volt, 20 amp separate/independent circuit available at a spare circuit breaker, suitable for installation of a 2-way mobile radio. _____

14.2 Wiring for all locally installed equipment shall be colour coded, loomed and properly secured. _____

14.3 All joining of wires and electrical connectors shall be soldered and sealed with heat shrink tubing or approved OEM weather tight connections (no splicing in of wires allowed) (crimp on electrical connectors for joining wires are not acceptable). _____

14.4 Combination stop and tail lights - two (2), _____

14.5 Signal lights with warning flashers - two (2) front mounted, two (2) rear mounted. _____

14.6 Back-up lights - two (2) required. _____

14.7 Headlights - two (2). _____

14.8 Moldboard work lights - two (2), adjustable. _____

14.9 Work lights, rear - two (2), adjustable. _____

14.10 Snow wing work lights - two (2), adjustable. _____

- 14.11 Wig-wags - two (2), amber, rear mounted, under cab roof line for protection. _____
- 14.12 Light Bars - two (2) Grote 76813 mini light bars, 12 volt, one (1) amber, one (1) blue, roof mounted with ramped, bolt-on metal guards. 360° visibility, switched separately, required. _____
- 14.13 Switches - dash mounted, wired through ignition. Independent on/off switches required for each pair of work lights, wig-wags, and for mini light bars. _____
- 14.14 Cab interior (dome) light - required. _____
- 14.15 Horn - required. _____
- 14.16 Back-up alarm - mounted at rear of unit, located to be protected from damage. _____
- 15.0 MISCELLANEOUS**
- 15.1 Engine side covers - hinged (all locks must be keyed alike). _____
- 15.1.1 Snap on winter covers for rear grill and sides _____
- 15.2 Fuel tank - 350 L capacity minimum, fully fuelled upon delivery. _____
- 15.3 Drawbar hitch with pin. _____
- 15.4 Access ladders with non-skid step surfaces. _____
- 15.5 Grab handles - supplied as required at all appropriate locations. _____
- 15.6 Rear fenders - steel, required on rear tandems with anti skid tape on step surfaces. State gauge of steel. _____
- 15.7 Front fenders - fibreglass, poly, or hard rubber material. State material. _____
- 15.8 Toolbox - lockable, state location. _____
- 15.9 Slow moving vehicle emblem. _____
- 15.10 All grease fittings for the entire Motor Grader shall be readily accessible or shall be equipped with remote grease zerks as required. _____
- 15.11 Caution sign - shall read "CAUTION - KEEP BACK 15 METRES". Dimensions shall be 24" x 18" approx., orange letters on yellow backing, reflective, mounted so as to not interfere with radiator cooling _____
- 15.12 Three (3) sets of keys. _____
- 16.0 Preventative Maintenance**

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16.1 Preventative Maintenance Program - the Contractor shall provide full details of the Preventative Maintenance Program specific to the equipment being offered, within ten (10) working days from the date of notification of award.

16.2 The PM program shall include part numbers on regular maintenance items, filters, oils, belts etc.

Note: If the PM program has not been submitted by the Contractor to the Fleet Management Agency within ten (10) working days, the FMA will perform the work and acquire the information. The cost incurred (up to \$500.00) will be deducted from the final invoice.

17.0 **ATTACHMENTS**

17.1 Snow wing - mounted on the right rear side of the grader, 12 ft. length. Weldco-Beales Part number RH MSW100 Snow Wing. The wing shall have a transport safety chain.

17.1.1 Snow wing shall be complete with a two (2) piece cutting edge, Minimum thickness 5/8 inch, with 5/8 inch diameter bolts on 6" centres.

17.1.2 When installed, with the push arms fully retracted and the moldboard lift cylinders approximately vertical, the wing moldboard shall form a straight plane for clearing snow to the right.

17.1.3 In the stowed position, the Wing blade shall be in a vertical position during transport.

17.1.4 The wing mouldboard shall have hydraulically controlled pitch

17.1.5 The wing shall have hydraulically controlled extendable push pole

17.1.6 Controls ergonomically mounted in the cab.

17.2 Front mounted Quick Coupler - Weldco-Beales, hydraulically operated, controlled from inside of cab. Quick Coupler shall be suitable for use with existing City owned front-mounted 10 ft. V-plows.

18.0 **TRAINING**

18.1 The Contractor shall be required to provide, at their expense, operator and preventative maintenance training by qualified staff, for City of Winnipeg operator and maintenance personnel at the time of delivery of the equipment. The training shall be conducted in a separate or combined session/s for each group of personnel. The session/s shall be sufficient in duration and shall provide 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 location designated by the Contract Administrator.

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

Note: Final payment of the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

18.2 Provide VHS video tape or CD training aides on the type of equipment being offered is available.

18.3 State if other training aides are available.

19.0 MANUALS

19.1 Parts and service manuals shall be supplied with each unit when delivered. The manuals shall be in English and shall cover the complete machine including the engine (CDs preferred).

19.1.1 Operator's manual - two (2) per unit.

20.0 DELIVERY

20.1 The Contractor shall fax serial numbers for all new equipment within one (1) week prior to delivery.

20.2 The Contractor shall give twenty-four (24) hours notice prior to delivery.

20.3 The Contractor shall insure the equipment is fully fuelled upon delivery.

20.4 The equipment shall be delivered complete and ready for operation no later than **twenty eight (28) calendar weeks** following notification of award of Contract, FOB, destination, Winnipeg, Manitoba.

21.0 LITERATURE

21.1 Bidders shall submit current, descriptive detailed literature within twenty four (24) hours of the request of the Contract Administrator.

22.0 WARRANTY

22.1 Complete details of warranties shall be made available within twenty-four (24) hours of the request of the Contract Administrator

22.2 The Contractor shall warrant **all equipment** 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 **two (2) years** from the date the equipment is put into service by the City of Winnipeg.

- 22.2.1 Notwithstanding 22.2 above, the Contractor shall warrant **all major components** including, but not limited to, engine, transmission, final drives, all wheel drive system (and all components thereof), pumps and motors, axle assemblies, tandem drives, etc. against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City, articles that have become defective and not proven to have been caused by negligence on the part of the user within **five (5) years** from the date the equipment is put into service by the City of Winnipeg.
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- 22.3 All incidental warranty related costs (including, but not limited to, Contractor's travel, mileage, deductibles, etc.) in executing any part of the warranty shall be the sole responsibility of the Contractor.
- 22.4 Items considered to be normal wear not included in warranty:
- a) blades
 - b) wiper blades
 - c) lights and light bulbs
- 22.5 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. 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 by the Contract Administrator.
- 22.6 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 Facility. 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 2005: \$68.00/hour \$95.00 hour)
- 22.7 If a defect or deficiency prevents the full and normal use or operation of the equipment or any portion thereof, the Contractor shall provide a replacement grader for use by the City until the warranty repairs are completed. The replacement grader shall be provided within two (2) working days from request of the City. The replacement grader shall be a 2000 model year or newer, and shall be of the same make and model or larger of the graders supplied under this Contract. If the warranty failure is not rectified within the specified period the City shall (at its discretion) charge the Contractor an amount of \$500 per unit per calendar day until the problem is rectified.
- 23.0 PERFORMANCE RELIABILITY**
- 23.1 The responsibility for the design of the complete unit, its performance and reliability shall rest upon the Contractor.
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- 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. During this period, where "repeated failures" are experienced, the Contractor shall provide the replacement parts, associated with the "repeated failures", on a consignment basis with the Fleet Management Agency (FMA). Requested parts shall be provided and stocked in the FMA Repair Facilities, at no cost to the City, until the parts are required and installed.**

FORM O: QUESTIONNAIRE

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

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

3.0 **LIST** three current users of the offered model including names and telephone numbers:

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

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

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