

**PART A**

**BID SUBMISSION**

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

1. Project Title RENTAL OF CONSTRUCTION EQUIPMENT

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 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. Subcontractors The Bidder agrees that, if he subcontracts any portion of the Work, he shall employ only Subcontractors who have successfully carried out work similar in nature, scope and value to the portion of the Work proposed to be subcontracted to them, or who are fully capable of performing the Work required to be done in accordance with the terms of the Contract.

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\_\_\_\_\_ .

Signed and sealed in  
the presence of:

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Witness)

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)

SEAL

**FORM B: PRICES**  
 (See B8)

**RENTAL OF CONSTRUCTION EQUIPMENT**  
**ALTERNATIVE 1 – AWARD AS A WHOLE**

**UNIT PRICES**

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT PRICE PER MONTH PER VEHICLE (A)	QUANTITY OF VEHICLES (B)	TERM OF LEASE (C)	EXTENDED AMOUNT (A x B X C)
1	Rental of Motor Grader	06050	\$ _____	2	6-Months	\$ _____
2	Rental of Wheel Loader	06051	\$ _____	1	6-months	\$ _____

M.R.S.T. and G.S.T. extra (where applicable) – Do not include in Total Bid Price.

**TOTAL BID PRICE (in figures) \$** \_\_\_\_\_

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

\_\_\_\_\_

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

**FORM B: PRICES**  
(See B8)

RENTAL OF CONSTRUCTION EQUIPMENT

ALTERNATIVE 2 – AWARD SEPARATELY BY ITEM

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT PRICE PER MONTH PER VEHICLE (A)	QUANTITY OF VEHICLES (B)	TERM OF LEASE (C)	EXTENDED AMOUNT (A x B x C)
3	Rental of Motor Grader	06050	\$ _____	2	6-Months	\$ _____
4	Rental of Wheel Loader	06051	\$ _____	1	6-months	\$ _____

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

## FORM N: DETAILED SPECIFICATIONS 06050

### RENTAL OF MOTOR GRADERS

*(Street Maintenance)*

#### **1.0 SCOPE**

- 1.1 These specifications describe the lease of a minimum 200 hp motor grader for six (6) months, with maintenance to be provided by the Contractor.
- 1.2 The motor grader shall be furnished complete and ready for use. Any parts not specifically mentioned but which are required to complete and place the unit in 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 The ratings specified herein state the minimum values acceptable to the City, not implying that these values are sufficient for the design of the particular unit being bid.

#### **2.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

- 2.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders shall state "yes" for compliance or state deviation**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 2.2 Each Bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

#### **3.0 TERMS OF LEASE**

- 3.1 The length of the lease shall be **six (6) months, commencing November 1, 2006 and ending on April 30, 2007.**
- 3.1.1 Notwithstanding D9. DELIVERY, the equipment shall be picked-up by the Contractor and removed from City property on April 30, 2007.  
  
Note: If pick-up and delivery days fall on a weekend, the equipment shall be picked-up or delivered by the Contractor on the following business day.
- 3.2 The City has the right to extend the lease a further six (6) months (i.e., November 1, 2007 – April 30, 2008) depending on equipment requirements, at the same lease rate bid for Item 1 on Form B: PRICES. The City will notify the Contractor fifteen (15) calendar days prior to the termination date of the lease period if a lease extension is required.
- 3.3 The estimated utilization of the grader is 150 hours per month. If the unit is returned by the City with an excess of 150 hours per month (i.e., 900 hours total between November 1, 2006 – April 30, 2007 or 1800 hours between November 1, 2006 – April 30, 2008) the Contractor may charge an hourly rate for the machine over and above the lease rate. The additional hourly rate paid by the City will be \$40.00/hour).
- 3.4 Bidders shall state the rental cost per month, as indicated on Form B: PRICES. The monthly rate shall include the cost of a full maintenance and service contract. The Contractor shall be responsible for maintenance of the complete machine including replacement of any components that fail during normal operation of the machine.

- 3.5 The Contractor shall provide proof that the equipment being offered has been fully serviced and ready for operation prior to the commencement of the lease.
- 3.6 The City shall be responsible for the following:
- Normal operating supplies including daily and weekly maintenance;
  - Fuel;
  - Insurance coverage for the machine;
  - Repair of damaged equipment where damage is proven to have been caused by negligence on the part of the City;
  - Repair or replacement of tires damaged due to road hazards.
- 3.7 The Contractor shall be responsible for the following items for equipment leased under this Contract:
- All scheduled maintenance including (but not limited to) oil and filter changes, and regular service adjustments as recommended by the equipment manufacturer;
  - All repairs due to mechanical failure or malfunction;
  - Towing costs (if unit is immobile);
  - All parts and labour costs (excluding costs listed in 3.6 above);
  - Replacement of tires due to normal wear.
- 3.8 The Contractor shall repair or rectify any defects of workmanship, construction and materials and shall 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 the duration of the lease period.
- 3.9 Should the Contractor dispute the City's decision on repair work required (as stated in 3.8) the Contractor shall contact the Contract Administrator. Details of the unit's defects or damage shall be provided to the Contract Administrator, who shall investigate the Contractor's claims. The unit shall remain as is until the claim has been resolved. The Contractor shall have no claim against the City for any costs to rectify defects or damage where defects or damage was rectified without the consent of the Contract Administrator.
- 3.10 The Contractor shall authorize the City of Winnipeg Repair Facilities to perform minor repairs and breakdowns during evenings, nights and weekends as required. The extent of the repairs shall be limited to a maximum of 4-hours per unit per breakdown. For all other repairs, or repairs requiring more than 4-hours labour, the City shall contact the Lessor the following business day. Any work performed by the City shall be charged to the Contractor at the Repair Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2006: \$73.50/hour regular time, \$103.50/hr overtime and callout).
- 3.11 The grader shall be a 2001 model year or newer, shall have less than 6000 operating hours on the entire machine at the time of delivery and shall be in excellent operating condition. Upon request of the Contract Administrator, the Contractor shall supply copies of all the maintenance records of the equipment being offered.
- 3.12 The intended user of the grader is the Street Maintenance Division of the Public Works Department of the City of Winnipeg. The City reserves the right to reassign the equipment leased under this contract to other Branches or Departments of the City of Winnipeg.
- 3.13 The Contractor shall strive to minimize downtime, i.e., the time that the grader is not available for use by the City. Downtime shall include the time that the machine is required by the Contractor

- (during regular working hours) to correct failures not proven to have been caused by negligence on the part of the user. If the grader is not available for use due to downtime for a period of more than three (3) calendar days, it shall be considered to have "accumulated downtime". If a unit is considered to have accumulated downtime, the Contractor shall provide a replacement grader for use by the City until the repairs are completed. The replacement grader shall be not more than five (5) model years old, and shall be of the same make and model or larger of the grader supplied in this Contract.
- 3.14 On days, or during times, that the equipment is not in use by the City, the City shall make the grader available to the Contractor to perform repairs described in 3.7 and 3.8 herein. Said days or times shall not be considered downtime.
- 3.14.1 All regular scheduled maintenance (such as oil changes, filters, etc.) shall be performed by the Contractor either at 1220 Pacific Avenue or at the Contractor's facility. If regular scheduled maintenance is to be performed at the Contractor's facility, the Contractor shall be responsible for pick-up and delivery of the equipment. Said times shall be pre-arranged by the Contractor a minimum of two (2) working days prior to the maintenance performed.
- 3.15 The Contractor has the right to sell one or more of the rental graders throughout the duration of the rental period, however, the Contractor shall ensure:
- a) That a minimum of 14-calendar days notice be provided to the Contract Administrator;
  - b) That a replacement grader be provided that meets or exceeds these Specifications;
  - c) The transfer of City owned 2-way mobile radios and all related costs; and
  - d) The City shall not be without the use of the rental grader for a period of four (4) hours maximum.
- 3.16 The lease agreement shall be terminated at any time at the discretion of the Contract Administrator due to poor performance or continual breakdowns.
- 3.16.1 In the event that the contract be terminated as per 3.16 above, the City of Winnipeg shall not be responsible for the balance of payment. The lease agreement shall be prorated accordingly.
- 3.17 The equipment shall be delivered, serviced and ready for operation, F.O.B. to the Winnipeg Fleet Management Agency, 185 Tecumseh St., Winnipeg, Manitoba, no later than 9:00 am on the lease commencement date.
- 3.18 Bidder shall acknowledge compliance with the specifications and requirements of Items 3.1 to 3.17 inclusive.

State yes or no. \_\_\_\_\_

#### **4.0 MOTOR GRADER SPECIFICATIONS – GENERAL**

- 4.1 The following specifications are a list of minimum requirements for specific components of the motor grader and are not to be construed as to describe the complete machine. The Contractor shall ensure that the machine is equipped with any components, not specifically mentioned in these specifications, that is required to make the motor grader complete and fully operational for the intended purpose.
- 4.2 The motor grader shall be equipped with all components, features and accessories normally provided as standard for the model supplied.



- 4.3 All applicable SAE Standards form an integral part of these specifications and shall take precedence in any conflict concerning minimum acceptable standards.
- 4.4 The motor grader shall comply with the Canadian Motor Vehicle Safety Act and the Manitoba Highway Traffic Act and all regulations thereunder.
- 4.5 Eligible models acceptable to the City are:  
**CAT:** 140H, 143H, 160H, 163H  
**John Deere:** 770D, 772D  
**Komatsu:** GD750A-1, GD705A  
**Volvo:** G746B, G740B, G940, G946, G960

**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 winter environment that is normal to the City of Winnipeg.
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**6.0 WEIGHT & DIMENSIONS**

- 6.1 State operating weight (SAE) – c/w 14 ft. moldboard, full fuel tank, coolant, lubricants and an operator.
- 
- 6.2 Overall width – 8 ft. 4 in. approx. without attachments, state.
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- 6.3 Overall height – 11 ft. approx. (to top of cab, not including warning beacon), state.
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- 6.4 Overall length – 28 ft. approx., state.
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**7.0 ENGINE**

- 7.1 Type – diesel fuelled, liquid cooled, 8-11 litre class.
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- 7.1.1 State make and model being bid.
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- 7.2 Net horsepower as per SAE J1349 B – 200 HP minimum, state.
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- 7.3 Fuel shut-off – electric solenoid type.
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- 7.4.1 Fuel system water separator.
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- 7.5 Coolant – ethylene glycol based, protected to -35°F (-37°C).
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- 7.5.1 Engine block heater – immersion type.
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- 7.6 Cold weather starting aid – state type.
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**8.0 DRIVE TRAIN**

- 8.1 Transmission shall be a power shift transmission.
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8.2 State number of speeds (Fwd/Rev). \_\_\_\_\_

**9.0 FUEL TANK**

9.1 Capacity – 300 L approx., fully fuelled upon delivery. \_\_\_\_\_

**10.0 BRAKES, STEERING & TIRES**

10.1 Service brakes – 4-wheel, hydraulic or air actuated, wet disk type. \_\_\_\_\_

10.2 Parking brake – manually operated, spring applied, hydraulically released preferred. State. \_\_\_\_\_

10.3 Steering – power assisted. \_\_\_\_\_

10.4 Tires – six (6) 14.00-24 or 17.5-25, 75% wear minimum. State bias or radials, size, make and model. \_\_\_\_\_

10.4.1 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 tire type per grader).

**11.0 FRONT AXLE**

11.1 Ground clearance – 23 in. minimum. \_\_\_\_\_

11.2 Front wheel lean – 15° left and right minimum. \_\_\_\_\_

11.3 Oscillation – 16° up and down, or 32° total. \_\_\_\_\_

**12.0 CIRCLE**

12.1 Type – heavy duty welded construction, heat treated for strength, supported at multiple points, adjustable clamp plates and guide shoes, replaceable wear inserts. \_\_\_\_\_

12.2 Diameter – 60 in. minimum. \_\_\_\_\_

12.3 Thickness – 1.2 in. minimum. \_\_\_\_\_

12.4 Rotation – 360°. \_\_\_\_\_

12.5 Teeth – heat induction hardened to resist wear. \_\_\_\_\_

**13.0 MOLDBOARD**

13.1 Dimensions – 24" H x 14' L x 0.875" T minimum. \_\_\_\_\_

13.2 Moldboard shall be equipped with blade lift, power tilt, power side-shift, a hydraulically driven, fully reversing circle, replaceable

end bits and minimum 3/4" x 6" heat treated cutting edges.

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**14.0 SNOW WING**

14.1 Snow wing – mounted on the right rear side of the grader, 12 ft. length approx. with shock absorbing, open mast arrangement, hydraulic or cable operated, height tapered from 36-48 in. approximately.

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14.1.1 State make and model being bid.

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14.2 Cutting edge – snow wing shall be complete with a cutting edge and replaceable end bits.

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14.3 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.

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14.4 Skid shoe – installed on the bottom of the front mast, 12 in. ground clearance minimum.

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14.5 Safety chains – wing shall have dual transport safety chains, one (1) in front, leading edge of blade and one (1) mid-way of blade. Transport safety chains shall be capable of retaining/holding blade in position during transport in the event of cable or hydraulic failure.

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14.6 In the stowed position, the wing blade shall be in a vertical position during transport.

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14.7 Controls ergonomically mounted in the cab.

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**15.0 OPERATOR COMPARTMENT**

15.1 Type – roll over protective structure complete with pressurized cab, OSHA certified or equal.

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15.2 Insulation – required for sound suppression.

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15.3 Interior noise level – maximum 77 Db(A), measured in accordance with SAE J336. State noise level.

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15.4 Seat – cushioned suspension seat, adjustable bucket type with retractable seat belt.

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15.5 Windows – tinted safety glass with appropriate markings for all panes.

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15.6 Sun visor – fold-down type.

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15.7 Doors – lockable. Doors shall latch in fully opened position.

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15.8 Exterior rear view mirrors – one (1) each side.

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15.8.1 Interior rear view mirror.

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15.9 Windshield wipers/washers – required front and rear. \_\_\_\_\_

15.10 Heater/defroster/pressurizer – heavy duty, hot water type with multi-speed fan and filtered air intake. \_\_\_\_\_

15.10.1 Defroster – capable of keeping all windows clear. \_\_\_\_\_

15.11 Rubber floor covering – required throughout. \_\_\_\_\_

15.12 Radio – AM/FM. \_\_\_\_\_

**16.0 INSTRUMENTATION**

16.1 Engine coolant temperature gauge or light. \_\_\_\_\_

16.2 Engine oil pressure gauge or light. \_\_\_\_\_

16.3 Hourmeter. \_\_\_\_\_

16.4 Fuel gauge. \_\_\_\_\_

**17.0 ELECTRICAL & LIGHTING**

17.1 Type – 24 volt, negative ground electrical system. \_\_\_\_\_

17.2 Electric starter. \_\_\_\_\_

17.3 Starter switch – key type with two (2) sets of keys per grader. \_\_\_\_\_

17.4 Batteries – two (2), 1200 combined CCA capacity minimum. \_\_\_\_\_

17.5 Combination stop and tail lights – two (2). \_\_\_\_\_

17.6 Signal lights with warning flashers – two (2) front mounted, two (2) rear mounted. \_\_\_\_\_

17.7 Back-up light(s) – required. \_\_\_\_\_

17.8 Headlights – two (2). \_\_\_\_\_

17.9 Moldboard work lights – two (2), adjustable. \_\_\_\_\_

17.9.1 Work lights, rear – two (2), adjustable. \_\_\_\_\_

17.9.2 Snow wing work lights – two (2), adjustable. \_\_\_\_\_

17.10 Warning beacon – blue, roof mounted with in-cab switch. \_\_\_\_\_

17.11 Wig-wags – two (2), amber, rear mounted, top right and top left side. \_\_\_\_\_

17.12 Cab interior (dome) light – required. \_\_\_\_\_

17.13 Horn – required. \_\_\_\_\_

17.14 Back-up alarm – mounted at rear of unit, located to be protected from damage.

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**18.0 MISCELLANEOUS**

18.1 Slow moving vehicle emblem – Grote 71152 or equal, rear mounted.

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18.2 Caution sign – shall read “CAUTION – KEEP BACK 15 METERS”. Dimensions shall be 24"W x 18"H approx., black letters on orange backing, reflective.

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**19.0 MANUALS**

19.1 The following manuals shall be supplied with the units when delivered. The manuals shall be in English and shall cover the complete machines including the engine.

19.1.1 Operator’s manual – one (1) per unit.

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**20.0 SERVICE FACILITY**

20.1 The Contractor shall have a service and maintenance facility located within 10 km of the boundaries of the City of Winnipeg.

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## DETAILED SPECIFICATIONS 06051

### RENTAL OF A WHEEL LOADER

*(Street Maintenance)*

#### **1.0 SCOPE**

- 1.1 These specifications describe the lease of a minimum 3 cubic yard capacity wheel loader for six (6) months, with maintenance to be provided by the Contractor.
- 1.2 The wheel loader shall be furnished complete and ready for use. Any parts not specifically mentioned but which are required to complete and place the unit in 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 The ratings specified herein state the minimum values acceptable to the City, not implying that these values are sufficient for the design of the particular unit being bid.

#### **2.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

- 2.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders shall state "yes" for compliance or state deviation**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 2.2 Each Bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

#### **3.0 TERMS OF LEASE**

- 3.1 The length of the lease shall be **six (6) months, commencing November 1, 2006 and ending on April 30, 2007.**
- 3.1.1 Notwithstanding DELIVERY, the equipment shall be picked-up by the Contractor and removed from City property on April 30, 2007.  
  
Note: If pick-up and delivery days fall on a weekend, the equipment shall be picked-up or delivered by the Contractor on the following business day.
- 3.2 The City has the right to extend the lease a further six (6) months (i.e., November 1, 2007 – April 30, 2008) depending on equipment requirements, at the same lease rate bid for Item 1 on Form B: PRICES. The City will notify the Contractor fifteen (15) calendar days prior to the termination date of the lease period if a lease extension is required.
- 3.3 The estimated utilization of the wheel loader is 150 hours per month. If the unit is returned by the City with an excess of 150 hours per month (i.e., 900 hours total between November 1, 2006 – April 30, 2007 or 1800 hours between November 1, 2006 – April 30, 2008) the Contractor may charge an hourly rate for the machine over and above the lease rate. The additional hourly rate paid by the City will be \$30.00/hour).
- 3.4 Bidders shall state the rental cost per month, as indicated on Form B: PRICES. The monthly rate shall include the cost of a full maintenance and service contract. The Contractor shall be

- responsible for maintenance of the complete machine including replacement of any components that fail during normal operation of the machine.
- 3.5 The Contractor shall provide proof that the equipment being offered has been fully serviced and ready for operation prior to the commencement of the lease.
- 3.6 The City shall be responsible for the following:
- Normal operating supplies including daily and weekly maintenance;
  - Fuel;
  - Insurance coverage for the machine;
  - Repair of damaged equipment where damage is proven to have been caused by negligence on the part of the City;
  - Repair or replacement of tires damaged due to road hazards.
- 3.7 The Contractor shall be responsible for the following items for equipment leased under this Contract:
- All scheduled maintenance including (but not limited to) oil and filter changes, and regular service adjustments as recommended by the equipment manufacturer;
  - All repairs due to mechanical failure or malfunction;
  - Towing costs (if unit is immobile);
  - All parts and labour costs (excluding costs listed in 3.6 above);
  - Replacement of tires due to normal wear.
- 3.8 The Contractor shall repair or rectify any defects of workmanship, construction and materials and shall 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 the duration of the lease period.
- 3.9 Should the Contractor dispute the City's decision on repair work required (as stated in 3.8) the Contractor shall contact the Contract Administrator. Details of the unit's defects or damage shall be provided to the Contract Administrator, who shall investigate the Contractor's claims. The unit shall remain as is until the claim has been resolved. The Contractor shall have no claim against the City for any costs to rectify defects or damage where defects or damage was rectified without the consent of the Contract Administrator.
- 3.10 The Contractor shall authorize the City of Winnipeg Repair Facilities to perform minor repairs and breakdowns during evenings, nights and weekends as required. The extent of the repairs shall be limited to a maximum of 4-hours per unit per breakdown. For all other repairs, or repairs requiring more than 4-hours labour, the City shall contact the Lessor the following business day. Any work performed by the City shall be charged to the Contractor at the Repair Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2006: \$73.50/hour regular time, \$103.50/hr overtime and callout).
- 3.11 The wheel loader shall be a 2001 model year or newer, shall have less than 6000 operating hours on the entire machine at the time of delivery and shall be in excellent operating condition. Upon request of the Contract Administrator, the Contractor shall supply copies of all the maintenance records of the equipment being offered.
- 3.12 The intended user of the wheel loader is the Street Maintenance Division of the Public Works Department of the City of Winnipeg. The City reserves the right to reassign the equipment leased under this contract to other Branches or Departments of the City of Winnipeg.

- 3.13 The Contractor shall strive to minimize downtime, i.e., the time that the wheel loader is not available for use by the City. Downtime shall include the time that the machine is required by the Contractor (during regular working hours) to correct failures not proven to have been caused by negligence on the part of the user. If the wheel loader is not available for use due to downtime for a period of more than three (3) calendar days, it shall be considered to have “accumulated downtime”. If a unit is considered to have accumulated downtime, the Contractor shall provide a replacement wheel loader for use by the City until the repairs are completed. The replacement wheel loader shall be not more than five (5) model years old, and shall be of the same make and model or larger of the wheel loader supplied in this Contract.
- 3.14 On days, or during times, that the equipment is not in use by the City, the City shall make the wheel loader available to the Contractor to perform repairs described in 3.7 and 3.8 herein. Said days or times shall not be considered downtime.
- 3.14.2 All regular scheduled maintenance (such as oil changes, filters, etc.) shall be performed by the Contractor either at 1220 Pacific Avenue or at the Contractor’s facility. If regular scheduled maintenance is to be performed at the Contractor’s facility, the Contractor shall be responsible for pick-up and delivery of the equipment. Said times shall be pre-arranged by the Contractor a minimum of two (2) working days prior to the maintenance performed.
- 3.15 The Contractor has the right to sell the wheel loader throughout the duration of the rental period, however, the Contractor shall ensure:
- a) That a minimum of 14-calendar days notice be provided to the Contract Administrator;
  - b) That a replacement wheel loader be provided that meets or exceeds these Specifications;
  - c) The transfer of City owned 2-way mobile radios and all related costs; and
  - d) The City shall not be without the use of the rental wheel loader for a period of four (4) hours maximum.
- 3.16 The lease agreement shall be terminated at any time at the discretion of the Contract Administrator due to poor performance or continual breakdowns.
- 3.16.1 In the event that the contract be terminated as per 3.16 above, the City of Winnipeg shall not be responsible for the balance of payment. The lease agreement shall be prorated accordingly.
- 3.17 The equipment shall be delivered, serviced and ready for operation, F.O.B. to the Winnipeg Fleet Management Agency, 185 Tecumseh St., Winnipeg, Manitoba, no later than 9:00 am on the lease commencement date.
- 3.18 Bidder shall acknowledge compliance with the specifications and requirements of Items 3.1 to 3.17 inclusive.

State yes or no. \_\_\_\_\_

#### **4.0 WHEEL LOADER SPECIFICATIONS – GENERAL**

- 4.1 The following specifications are a list of minimum requirements for specific components of the wheel loader and are not to be construed as to describe the complete machine. The Contractor shall ensure that the machine is equipped with any components, not specifically mentioned in these specifications, that is required to make the wheel loader complete and fully operational for the intended purpose.
- 4.2 The wheel loader shall be equipped with all components, features and accessories normally provided as standard for the model supplied.



4.3 All applicable SAE Standards form an integral part of these specifications and shall take precedence in any conflict concerning minimum acceptable standards.

4.4 The wheel loader shall comply with the Canadian Motor Vehicle Safety Act and the Manitoba Highway Traffic Act and all regulations thereunder.

4.5 Eligible models acceptable to the City are:

**Case:** 721D  
**CAT:** 928G  
**JCB:** 426 ZX  
**John Deere:** 544J  
**Komatsu:** WA320  
**Volvo:** L70E

**5.0 PERFORMANCE**

5.1 Shall be capable of consistent top performance for snow removal work, construction activities, loading sander and dump trucks, and other miscellaneous municipal grader functions during the winter environment that is normal to the City of Winnipeg.

\_\_\_\_\_

**6.0 WEIGHT & DIMENSIONS**

6.1 Operating weight – 27,000 lbs. minimum, state.

\_\_\_\_\_

6.2 Overall width over tires, less bucket – 8 ft. approx., state.

\_\_\_\_\_

6.3 Overall height – 11 ft. approx. (to top of cab, not including warning beacon), state.

\_\_\_\_\_

6.4 Overall length, bucket on ground – 24 ft. approx., state.

\_\_\_\_\_

**7.0 ENGINE**

7.1 Type – diesel fuelled, liquid cooled. State make, model and size.

\_\_\_\_\_

7.2 Net horsepower as per SAE J1349 B – 140 HP minimum, state.

\_\_\_\_\_

7.3 Fuel shut-off – electric solenoid type.

\_\_\_\_\_

7.4.1 Fuel system water separator.

\_\_\_\_\_

7.5 Coolant – ethylene glycol based, protected to -35°F (-37°C).

\_\_\_\_\_

7.5.1 Engine block heater – immersion type.

\_\_\_\_\_

**8.0 DRIVE TRAIN**

8.1 4wd – required.

\_\_\_\_\_

8.2 Transmission shift control – single lever.

\_\_\_\_\_

8.3 State number of speeds (Fwd/Rev). \_\_\_\_\_

**9.0 FUEL TANK**

9.1 Capacity – 225 L approx., fully fuelled upon delivery. \_\_\_\_\_

**10.0 BRAKES, STEERING & TIRES**

10.1 Service brakes – 4-wheel, hydraulic operated, wet disk type. \_\_\_\_\_

10.2 Parking brake – manually operated, spring applied, hydraulically released preferred. State. \_\_\_\_\_

10.3 Steering – articulated with minimum 35°articulation left and right of centre. \_\_\_\_\_

10.4 Tires – four (4) 20.5-25 approx., 75% wear minimum, 16-ply, L2 tread. State bias or radials, size, make and model. \_\_\_\_\_

10.4.1 Spare tire and rim – one (1) per wheel loader, same as front and rear tires and rims. \_\_\_\_\_

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

**11.0 FRONT END LOADER**

11.1 Breakout force – 22,000 lbs. minimum, state. \_\_\_\_\_

11.2 Tipping load, static straight – 20,200 lbs. minimum, state. \_\_\_\_\_

11.2.1 Tipping load, full turn – 17,400 lbs. minimum, state. \_\_\_\_\_

11.3 Hinge pin height, fully raised – 144 in. minimum, state. \_\_\_\_\_

11.4 Bucket leveller – automatic with position indicator. \_\_\_\_\_

11.5 Automatic “Return to Carry” option. \_\_\_\_\_

11.6 Ride control (accumulator) – required, factory installed. \_\_\_\_\_

11.7 Loader bucket – general purpose bucket, SAE 3 yd<sup>3</sup> minimum, state. \_\_\_\_\_

11.7.1 Bucket width to exceed machine width at tires. \_\_\_\_\_

11.7.2 Cutting edge – bolt-on, heat treated steel, 1, 2 or 3-piece reversible blade, full width of bucket. \_\_\_\_\_

11.8 Loader safety prop bar – required, OEM or engineer approved. \_\_\_\_\_

**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 retractable seat belt. \_\_\_\_\_
- 12.5 Windows – tinted safety glass with appropriate markings for all panes. \_\_\_\_\_
- 12.6 Sun visor – fold-down type. \_\_\_\_\_
- 12.7 Door – lockable. Door shall latch in fully opened position. \_\_\_\_\_
- 12.8 Exterior rear view mirrors – one (1) each side. \_\_\_\_\_
- 12.8.1 Interior rear view mirror. \_\_\_\_\_
- 12.9 Windshield wipers/washers – required front and rear. \_\_\_\_\_
- 12.10 Heater/defroster/pressurizer – heavy duty, hot water type with multi-speed fan and filtered air intake. \_\_\_\_\_
- 12.10.1 Defroster – capable of keeping all windows clear at -40°C. \_\_\_\_\_
- 12.11 Rubber floor covering – required throughout. \_\_\_\_\_
- 12.12 Radio – AM/FM. \_\_\_\_\_
- 13.0 INSTRUMENTATION**
- 13.1 Engine coolant temperature gauge or light. \_\_\_\_\_
- 13.2 Engine oil pressure gauge or light. \_\_\_\_\_
- 13.3 Hourmeter. \_\_\_\_\_
- 13.4 Fuel gauge. \_\_\_\_\_
- 14.0 ELECTRICAL & LIGHTING**
- 14.1 Type – 24 volt, negative ground electrical system. \_\_\_\_\_
- 14.2 Electric starter. \_\_\_\_\_
- 14.3 Starter switch – key type with two (2) sets of keys per wheel loader. \_\_\_\_\_
- 14.4 Batteries – two (2), 900 combined CCA capacity minimum. \_\_\_\_\_
- 14.5 Combination stop and tail lights – two (2). \_\_\_\_\_

- 14.6 Signal lights with warning flashers – two (2) front mounted, two (2) rear mounted. \_\_\_\_\_
- 14.7 Back-up light(s) – required. \_\_\_\_\_
- 14.8 Headlights – two (2). \_\_\_\_\_
- 14.9 Work lights, rear – two (2), adjustable. \_\_\_\_\_
- 14.10 Warning beacon – blue, roof mounted with in-cab switch. \_\_\_\_\_
- 14.11 Wig-wags – two (2), amber, rear mounted, top right and top left side. \_\_\_\_\_
- 14.12 Cab interior (dome) light – required. \_\_\_\_\_
- 14.13 Horn – required. \_\_\_\_\_
- 14.14 Back-up alarm – mounted at rear of unit, located to be protected from damage. \_\_\_\_\_
- 15.0 MISCELLANEOUS**
- 15.1 OEM Counterweight(s) – supplied as required to provide specified tipping load capacity, state weight of counterweight (lbs.) and location. \_\_\_\_\_  
Note: Tire ballasts not acceptable.
- 15.2 Slow moving vehicle emblem – Grote 71152 or equal, rear mounted. \_\_\_\_\_
- 16.0 MANUALS**
- 16.1 The following manuals shall be supplied with the units when delivered. The manuals shall be in English and shall cover the complete machines including the engine.
- 16.1.1 Operator’s manual – one (1) per unit. \_\_\_\_\_
- 17.0 SERVICE FACILITY**
- 17.1 The Contractor shall have a service and maintenance facility located within 10 km of the boundaries of the City of Winnipeg. \_\_\_\_\_

**QUESTIONNAIRE**

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

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2.0 **LIST** three current users of the offered model(s):

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

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

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

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