

FORM A: BID
(See B7)

1. Contract Title SUPPLY & DELIVERY OF AN ALL-WHEEL DRIVE MOTOR GRADER

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 AN ALL-WHEEL DRIVE MOTOR GRADER

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	All-Wheel Drive Motor Grader	1073	(Each)	(1)	\$ _____	\$ _____
TOTAL BID PRICE (GST and MRST extra) (in figures) \$ _____						
(in words) _____						

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 1073

1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE-

- 1.1 These specifications describe the Supply and Delivery of an All-Wheel Drive Motor and other equipment and features as specified herein.
- 1.2 The All-Wheel Drive Motor shall be a new 2010 or 2011 model year.
- 1.3 Shall be capable of consistent top performance for concrete and asphalt profiling/grinding, and other miscellaneous municipal grader functions during the seasonal environment that is normal to the City of Winnipeg. **Below photo is for visual reference only.**



General information regarding weights and profiler specifications (hydraulics) on the grader mounted profiler can be view at the following:

<http://s223510252.onlinehome.us/ironwolf/pdfs/profiler.pdf>

Contact: David Hickman

[IronWolf Corporate Headquarters](#)

601 Hamilton Drive
Noble, Oklahoma 73068

Phone: (405) 872-1890
Fax: (405) 872-1893

- 1.4 The All-Wheel Drive Motor and all other items/components shall be the manufacturer's latest models. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment in successful operation shall be furnished as though specifically mentioned in these specifications. The complete All-Wheel Drive Motor, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.

2.0 **OTHER SPECIFICATIONS AND STANDARDS-**

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

2.2 The All-Wheel Drive Motor and all its components and attachments shall comply with the applicable regulations:

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

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, Parts 12, 22 = <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

2.3 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 units.

2.4 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 **WEIGHTS & DIMENSIONS-**

3.1 State operating weight (SAE) – , full fuel tank, coolant, lubricants and an operator. _____

3.2 Overall width – 8 ft. 4 in. approx. without attachments, **state-** _____

3.3 Overall height – 11 ft. approx. (to top of cab, not including warning beacon), **state-** _____

3.4 Overall length – 28-29 ft. approx., **state-** _____

4.0 **ENGINE-**

4.1 Type – **Tier III or Tier interim IV compliant**, diesel fuelled, liquid cooled, 8-11 litre class. Engines shall be warranted to use biodiesel at a B10 blend level (10% biodiesel to 90% ultra low sulphur diesel), where the biodiesel will meet product specification ASTM D 6751 to ensure fuel quality. _____

4.1.1 **State** make and model being bid- _____

4.2 Net horsepower as per SAE J1349 B – 240-250 HP, **state-** _____

4.3 Fuel shut-off – electric solenoid type. _____

4.4 Fuel system water separator. _____

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

4.6 Engine block heater – immersion type. _____

4.7 Cold weather starting aid – **state type**. _____

4.8 Fuel Filter required _____

4.9 Air restriction indicator and air filter with pre-cleaner, **state-** _____

5.0 **DRIVE TRAIN**

5.1 Transmission shall be a power shift transmission. _____

5.2 State number of speeds (Fwd/Rev). _____

5.3 **Must be all-wheel drive with inching mode/crawl gear** _____

6.0 **FUEL TANK**

6.1 Capacity – 400 L approx., **fully fuelled upon delivery**. _____

7.0 **BRAKES, STEERING & TIRES**

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

7.2 Parking brake – manually operated, spring applied, hydraulically released preferred. **State-** _____

7.3 Steering – power assisted with tilt steering wheel, **joy sticks not acceptable**. _____

7.4 Tires – Michelin XHA L2 or L3 or Bridgestone VUT L2 or L3 preferred, six (6) 17.5-25, **state bias or radials, size, make and model**. _____

8.0 **FRONT AXLE**

8.1 Ground clearance – 23 in. _____

8.2 Front wheel lean – 15° left and right. _____

8.3 Oscillation – 16° up and down, or 32° total. _____

9.0 OPERATOR COMPARTMENT

- 9.1 Type – ROPS- Roll Over Protective Structure complete with pressurized cab, OSHA certified or equal.

“Roll-over protective in relation to a machine, means a structure that protects every structure (ROPS) operator of the machine who is wearing a restraining device from being crushed if the machine rolls over.”

Protection is required for the weight of the grader mounted profiler And the weight of the grader (combined), **state** ROPS certification Weight.

- 9.2 Operator must be able to exit the machine through both doors, with Profiler attached.
- 9.3 Insulation – required for sound suppression.
- 9.4 Interior noise level – maximum 77 Db(A), measured in accordance with SAE J336. **State noise level-**
- 9.5 Seat – air suspension or cushioned suspension seat, adjustable bucket type with retractable seat belt, dual arm rests.
- 9.6 Windows – tinted safety glass with appropriate markings for all panes.
- 9.7 Sun visor – fold-down type.
- 9.8 Doors – lockable. Doors shall latch in fully opened position.
- 9.9 Exterior rear view mirrors – one (1) each side, breakaway mirror preferred.
- 9.10 Interior rear view mirror.
- 9.11 Windshield wipers/washers – required front and rear.
- 9.12 Heater/defroster/pressurizer/ air-conditioning – heavy duty, hot water type with multi-speed fan and filtered air intake.
- 9.13 Defroster – capable of keeping all windows clear at - 40
- 9.14 Rubber floor covering – required throughout.
- 9.15 Radio – AM/FM/CD
- 9.16 Access ladder - both sides, **state-**
- 9.17 Window fan- exact location to be determined upon a pre-production meet

10.0 INSTRUMENTATION

- 10.1 Engine coolant temperature gauge or light.
- 10.2 Engine oil pressure gauge or light.

- 10.3 Non-resettable hour-meter. _____
- 10.4 Fuel gauge. _____
- 10.5 **State** operator gauge options- _____
- 10.6 Low hydraulic fluid level, **state**- _____
- 11.0 ELECTRICAL & LIGHTING – (ALL LIGHTING SHALL BE LED)**
- 11.1 Type – 24 volt, negative ground electrical system. _____
- 11.2 Electric starter. _____
- 11.3 Starter switch – key type with two (2) sets of keys per grader. _____
- 11.4 Batteries – two (2), 1400 combined CCA capacity. **State** if there are higher CCA batteries are available from OEM- _____
- 11.5 Combination stop and tail lights – two (2). _____
- 11.6 Signal lights with warning flashers – two (2) front mounted, two (2) rear mounted. _____
- 11.7 Back-up light(s) – required. _____
- 11.8 Headlights – two (2). _____
- 11.9 Profiler work lights – four (4), adjustable. _____
- 11.9.1 Work lights, rear – two (2), adjustable. _____
- 11.9.2 Work light package – state quantity of lights. _____
- 11.10 Blue/Amber with Clear Lens L360 Series Super LED Beacon: L31HABF
Branch Guard: L360BGB _____
- 11.11 Wig-wags – two (2), amber, rear mounted, top right and top left side. _____
- 11.12 Cab interior (dome) light – required. _____
- 11.13 Horn – required. _____
- 11.14 Back-up alarm – mounted at rear of unit, located to be protected from damage, **state Db(A)**- _____
- 11.15 Electrical power to be taken from the power distribution box, require independent circuit for two-way radio, no splices _____
- 12.0 MISCELLANEOUS**
- 12.1 Slow moving vehicle emblem – Grote 71152 or equal, rear mounted. _____
- 12.2 Caution sign – shall read “CAUTION – KEEP BACK 15 METERS”. Dimensions shall be 24"W x 18"H approx., black letters on orange backing, reflective. _____

12.3 Battery disconnect switch, **state** location-

12.4 Front and rear fenders required

12.5 Synthetic oil requirement for all oils, **state**-

12.6 Winter/summer covers

12.7 One (1) 20 lbs Fire extinguishers, Flare kit, First aid kit required,
located as per Manufactures recommendations, **state**-

12.8 Groeneveld Twin Automatic Greasing System, **state**
quantity of grease points-

13.0 **WARRANTY-**

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

13.2 The Contractor shall warrant all equipment and all parts
thereof, 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 **five (5) years** from the date the equipment
is put into service by the City of Winnipeg.

13.3 Notwithstanding 13.2 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 or 5000 hours** from the
date the equipment is put into service by the City of Winnipeg.

13.4 **State** complete warranty details-

14.0 **LITERATURE-**

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

15.0 FULL MAINTENANCE QUOTATION-

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

- 15.2 (7) years 5000 hours full maintenance- \$\$ _____
- 15.3 (8) years 5000 hours full maintenance- \$\$ _____
- 15.4 (9) years 5000 hours full maintenance- \$\$ _____

16.0 TRAINING-

16.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel. The training shall be conducted in separate or combined sessions for each group of personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.

The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

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

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

16.2 Training Aides: _____

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

16.3 What is the recommended minimum training duration for: _____

Primary unit: _____

For major attachments (if applicable): _____

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

For the primary unit: _____

For major attachments (if applicable): _____

- 16.5 Training Materials and applicable manuals or on-line training material information must be provided to the Operator Training Branch of Public Works at the earliest possible opportunity, no later than (4) weeks prior to delivery, when supplying vehicles, equipment and related attachments. Send these materials, preferably in both electronic format and hard copy (training videos are to be supplied on either CD or DVD) to:

**Public Works department
Human Resources Division
Operator Training Branch
102-1155 Pacific Ave.
Winnipeg Manitoba
R3E 3P1**

E-mail: pwd-opertrain@winnipeg.ca

Attn: Equipment Training Coordinator - Pending Equipment Delivery _____

17.0 TECHNICAL SERVICE & PARTS MANUALS-

- 17.1 One set of technical service and parts manuals are required, CD preferred _____

18.0 DELIVERY-

- 18.1 **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. _____

- 18.2 **Delivery Time-** Complete equipment shall arrive no later than 16 weeks from the date of official notification of award of contract **The All-Wheel Drive Motor Grader shall be dropped shipped** to 601 Hamilton Drive Noble, Oklahoma 73068 Phone: (405) 872-1890 Fax: (405) 872-1893. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____

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

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