

FORM A: BID
(See B7)

1. Contract Title SUPPLY & DELIVERY OF GRADER MOUNTED AND TOW BEHIND
PACKER/ROLLERS

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

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)

ALTERNATIVE 1 – AWARD AS A WHOLE

SUPPLY & DELIVERY OF GRADER MOUNTED AND TOW BEHIND PACKER/ROLLERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	Grader Mounted Packer/Roller	08087	Each	2	\$ _____	\$ _____
2.	Tow Behind, Water Ballast Packer/Roller	08088	Each	10	\$ _____	\$ _____
TOTAL BID PRICE (GST and MRST extra) (in figures) \$ _____ (in words) _____ _____						

 Name of Bidder

FORM B: PRICES
 (See B8)

ALTERNATIVE 2 – AWARD BY ITEM

SUPPLY & DELIVERY OF GRADER MOUNTED AND TOW BEHIND PACKER/ROLLERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	Grader Mounted Packer/Roller	08087	Each	2	\$ _____	\$ _____
2.	Tow Behind, Water Ballast Packer/Roller	08088	Each	10	\$ _____	\$ _____
TOTAL BID PRICE (GST and MRST extra) (in figures) \$ _____ (in words) _____ _____						

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 08087

GRADER MOUNTED PACKER/ROLLER

(Street Maintenance)

1.0 SCOPE

- 1.1 These specifications describe the supply and installation of a hydraulically operated, grader mounted packer/roller suitable for levelling gravel roads throughout the City of Winnipeg. The unit shall be installed by the successful bidder on a grader owned by the City of Winnipeg. See 8.0 Installation for grader description.
- 1.2 The unit 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 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 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 on packer/rollers, and general service capabilities. A description of the service facility shall be provided within 3-Calendar Days upon request of the Contract Administrator.
- 3.2 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 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 2008: \$82.00/hr regular time, \$112.00/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 a heavy duty, packer/roller capable of mounting to the rear of a City owned motor grader. The unit shall provide consistent top performance on packing gravel roads during the spring, summer and fall environments which are normal to the City of Winnipeg.

6.0 MAKE AND MODEL

6.1 State year, make and model of unit being bid. _____

7.0 SPECIFICATIONS

7.1 State the following:

i) Overall length. _____

ii) Overall width. _____

iii) Overall height. _____

iv) Fully raised ground clearance – 18 in. approx., state. _____

7.2 Weight – 4,000 lbs. approx., state. _____

7.3 Construction – main frame 10 in. x 6 in. box steel construction with three (3) heavy duty independent hydraulic arms that pivot on 2 in. hardened steel pins, 5 in. bushings allowing 72° travel in the raise/lower arc. _____

7.4 Walking beams – three (3) heavy duty independent steel walking beams that pivot on 2 in. hardened steel pins, 5 in. bushings allowing 12° of travel from front to rear of frame. _____

7.5 Tires – twelve (12) easily accessible smooth roller tires, Bridgestone or Michelin, 750 x 15 14-ply approx. with heavy duty inner tubes, mounted on industrial duty rims. _____

7.6 Hubs and spindles – three (3) individual 6000 lb. double hubs and spindles. _____

7.7 Axle retaining plates – six (6) individual plates for ergonomic tire replacement. _____

7.8 Grease zerks – readily accessible, state quantity. _____

7.9 Jack stands – three (3) self contained for easy connection and disconnection from the lift assembly. _____

7.10 Offset – hydraulic cylinders required to offset the unit a minimum of 24 in. to the left or right of the grader for compaction of road shoulders. _____

7.11 Hydraulic hoses – rated for system pressure with 4 to 1 safety factor for burst pressure. _____

7.11.1 Hydraulic hoses to be protected at wear and scuff locations. _____

7.11.2 Hose fittings – hydraulic full flow, crimp-on (non-reusable) type. _____

7.11.3 Black iron fittings are not acceptable on pressure lines. _____

7.11.4 All hydraulic hoses shall be neatly routed and secured with plastic tie wraps where necessary. _____

8.0 INSTALLATION

8.1 Any holes required in the grader frame must be drilled and reamed to fit bolts. _____

8.2 Welding on the grader frame is not permitted. _____

8.3 The Packer/Roller shall be mounted on the following City of Winnipeg owned motor grader:

2004 CAT 143H

- All Wheel Drive
- Articulating
- Variable Horsepower gears 4-8
- 165 hp in all gears
- 35,000 lbs. approx.
- 12 ft. moldboard
- 370 in. Length approx.

8.4 The Contractor is responsible for pick-up and delivery of the unit as stated in Section 13.0 below. _____

9.0 COLOUR AND FINISH

9.1 The entire unit shall be properly sandblasted, primed and prepared, then painted CAT yellow with two (2) coats of polyurethane enamel, Dupont Imron, Endura paint process or equivalent. _____

10.0 WARRANTY

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

11.0 PERFORMANCE RELIABILITY

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

11.2 The term "*repeat failures*" as used herein is defined to mean that the same component, assembly, or sub-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, assembly, or sub-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.

- 11.3 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.
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12.0 MANUALS

- 12.1 The following manuals shall be supplied with the unit when delivered. Manuals shall be in English and shall cover the complete equipment.
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- 12.2 Operator's manual – two (2) required per packer.
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- 12.3 Parts, repair and technical service manuals including preventative maintenance schedules for life of the unit – CDs preferred, quantity as per Form B: Prices.
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13.0 PICK-UP AND DELIVERY

- 13.1 Pick-up – the Contractor shall be responsible for picking-up the motor grader from the City upon commencement of the Contract. The vehicle will be available for pick-up at the Winnipeg Fleet Management Agency, 185 Tecumseh St., Winnipeg, Manitoba. Pick-up times will be between 8:00 am and 3:00 pm on any business day. The Contractor shall be responsible for any related fuel and insurance costs to and from their facility.
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- 13.2 Delivery – the unit shall be serviced, ready for operation, and delivered F.O.B. with the freight prepaid to the Winnipeg Fleet Management Agency, 185 Tecumseh Street, Winnipeg, Manitoba within **eight (8) calendar weeks** 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 8:00 am and 3:00 pm on Business Days.
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- 13.3 A pre-delivery inspection shall be performed by the Contractor on all equipment.
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14.0 TRAINING

- 14.1 Operator training – the Contractor shall be required to provide **two (2) Business Days** of training, in Winnipeg by qualified staff, for City of Winnipeg operating personnel. All costs associated with the training, shall be at the Contractor's expense. The training sessions shall be sufficient in duration and shall provide adequate familiarization and orientation of the equipment, to the satisfaction of the Contract Administrator. All particulars surrounding the specified time required to perform the training shall be provided to the Contract Administrator by the Contractor, one (1) week prior to the delivery of the completed equipment. The training shall be coordinated through the Contract Administrator.
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- 14.2 Mechanical training – the Contractor shall be required to provide **one (1)**

Business Day of training, in Winnipeg by qualified staff, for City of Winnipeg maintenance personnel. All costs associated with the training, shall be at the Contractor's expense. The training session shall be sufficient in duration and shall provide adequate familiarization and orientation of the equipment, to the satisfaction of the Contract Administrator. All particulars surrounding the specified time required to perform the training shall be provided to the Contract Administrator by the Contractor, one (1) week prior to the delivery of the completed equipment. The training shall be coordinated through the Contract Administrator.

FORM N: DETAILED SPECIFICATIONS 08088

WATER BALLAST PACKER/ROLLER (Street Maintenance)

1.0 SCOPE

- 1.1 These specifications describe the supply and delivery of a water ballast, tow-behind packer/roller suitable for levelling gravel roads throughout the City of Winnipeg. The unit shall be towed by City of Winnipeg JCB Fastrac Multipurpose Tractors.
- 1.2 The unit 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 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 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 on packer/rollers, and general service capabilities. A description of the service facility shall be provided within 3-Calendar Days upon request of the Contract Administrator.
- 3.2 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 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 2008: \$82.00/hr regular time, \$112.00/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 a heavy duty, water ballast packer/roller capable of being towed behind City of Winnipeg Multipurpose tractors. The unit shall provide consistent top performance on packing gravel roads during the spring, summer and fall environments which are normal to the City of Winnipeg.

6.0 MAKE AND MODEL

6.1 State year, make and model of unit being bid. _____

7.0 SPECIFICATIONS

7.1 Dimensions:

7.1.1 Overall length – 11 ft. approx., state. _____

7.1.2 Overall width – 92 in. approx., state. _____

7.1.3 Packing width – 90 in. approx., state. _____

7.1.4 Overall height – 64 in. approx., state. _____

7.1.5 Ground clearance – 7 in. approx., state. _____

7.2 Water capacity – 200 cubic ft. approx., state. _____

7.3 Packer weight, empty – 5300 lbs. empty approx., state. _____

7.3.1 Packer weight, filled w/water – 18,400 lbs. approx., state. _____

7.4 Wall thickness – ¼ in. steel. _____

7.5 Pan thickness – ⅜ in. steel. _____

7.6 Bottom thickness – ½ in. steel. _____

7.7 Front beam – heavy duty steel construction, state material, thickness and general design. _____

7.8 Tires, front – six (6) foam filled heavy duty roller tires, Michelin or Bridgestone, mounted on steel industrial grade rims, 7.5x15 approx. State tire size, rating and speed rating. _____

7.8.1 Tires, rear – six (6) foam filled tires, same as front wheels and tires. _____

7.9 Water baffles – three (3), approx. ¼ in. steel construction, state. _____

7.10 Tank discharge – bottom discharge, readily accessible. _____

7.11 Tank intake – heavy duty quick coupler suitable for filling from a fire hydrant. The intake shall be designed so that siphoning does not occur

into the main water line.

7.12 Tank lid – vented.

7.13 Drawbar – front mounted, heavy duty A-frame design, reinforced as required, state construction details and construction.

7.13.1 Drawbar hitch – suitable for use with a 1½ in. pin, dual lugs.

7.13.2 Safety chains and eye hooks – shall conform with CMVSS and Manitoba Highway Traffic Act. Eye hooks to be complete with spring closures.

7.13.3 Rear hitch – similar to front hitch assembly, suitable for towing additional packer/roller c/w heavy duty eyelets for safety chains.

7.14 Grease zerks – readily accessible, state quantity.

7.15 Storage railing – required at top, outside perimeter of unit, suitable for transporting miscellaneous equipment such as sand bags, traffic signs, etc. Suggested design is 6 in. height approx., 1½ in. roundbar vertical supports with 18 in. spacing throughout, 1¼ in. roundbar top rail.

7.16 Wheel nut indicators – required on all wheel nuts.

7.17 Slow moving sign – required, triangular, rear mounted, reflectorized, 16 in. width approx., Signal-Stat 797 or equal.

8.0 COLOUR AND FINISH

8.1 The entire unit shall be properly sandblasted, primed and prepared, then painted CAT yellow with two (2) coats of polyurethane enamel, Dupont Imron, Endura paint process or equivalent.

8.2 Non-skid coating – the entire top section of the packer/roller to be coated with 0.080 in. of Line-X spray on liner, black polyurethane elastomer, abrasive resistant.

8.3 Conspicuity tape – Truck-Lite 98127 or equal, affixed 360° around unit.

9.0 WARRANTY

9.1 The Contractor shall warrant **all equipment** (excluding consumables) 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 **three (3) years** from the date the equipment is put into service by the City of Winnipeg.

10.0 PERFORMANCE RELIABILITY

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

10.2 The term "*repeat failures*" as used herein is defined to mean that the same component, assembly, or sub-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, assembly, or sub-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.

10.3 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.

11.0 MANUALS

11.1 The following manuals shall be supplied with the unit when delivered. Manuals shall be in English and shall cover the complete equipment.

11.2 Operator's manual – one (1) per unit.

11.3 Parts, repair and technical service manuals including preventative maintenance schedules for life of the unit – CDs preferred, two (2) required total.

12.0 DELIVERY

12.1 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-two (22) calendar weeks** 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.

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

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

13.0 TRAINING

13.1 Operator training – the Contractor shall be required to provide **one (1) Business Day** of training, in Winnipeg by qualified staff, for City of Winnipeg operating personnel. All costs associated with the training, shall be at the Contractor's expense. The training sessions shall be sufficient in duration and shall provide adequate familiarization and orientation of the equipment, to the satisfaction of the Contract Administrator. All particulars surrounding the specified time required to perform the training shall be provided to the Contract Administrator by the Contractor, one (1) week prior to the delivery of the completed equipment. The training shall be coordinated through the Contract Administrator.

- 13.2 Mechanical training – the Contractor shall be required to provide **one (1) Business Day** of training, in Winnipeg by qualified staff, for City of Winnipeg maintenance personnel. All costs associated with the training, shall be at the Contractor's expense. The training session shall be sufficient in duration and shall provide adequate familiarization and orientation of the equipment, to the satisfaction of the Contract Administrator. All particulars surrounding the specified time required to perform the training shall be provided to the Contract Administrator by the Contractor, one (1) week prior to the delivery of the completed equipment. The training shall be coordinated through the Contract Administrator.
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