

FORM A: BID
(See B8)

1. Contract Title SUPPLY & DELIVERY OF RAILWAY BALLAST REGULATORS

2. Bidder

Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from above)

Street

City

Province

Postal Code

(Mailing address if different)

Email Address of Bidder

Facsimile Number

Street or P.O. Box

City

Province

Postal Code

(Choose one)

GST Registration Number (if applicable)

The Bidder is:

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

Email 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/she 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 B9)

SUPPLY & DELIVERY OF RAILWAY BALLAST REGULATORS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Ballast Regulator	14011	Each	2	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 14011

1.0 **DESCRIPTION OF EQUIPMENT & APPLICATION-**

- 1.1 These specifications describe Railway Ballast Regulators and other equipment and features as specified herein.
- 1.2 The Railway Ballast Regulators shall be a **new 2014 model year or refurbished machines**.
- 1.3 The Railway Ballast Regulators and all other items/components shall be the manufacturer's latest model. 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 and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated attachments, 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 errors or omissions in these specifications, for under this Contract the Contractor shall be held responsible for the satisfactory operational function of the equipment.
- 1.5 Application- the City of Winnipeg Water & Waste Railway Department require a 4 season ballast regulators for ballast shaping and profiling and for clearing snow on mainlines and yards. A one pass transfer plough with reversible wings and snow wings for winter use is required. A snow blower/thrower is necessary for cleaning snow between the rails. A ballast broom for sweeping tracks is a requirement. Must be equipped with a 2 person cab (jump seat arrangement is acceptable).

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 Railway Ballast Regulator shall comply with the applicable regulations:

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.

3.0 **SERVICE FACILITY-**

- 3.1 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 of the Contract Administrator.

4.0 REFERENCES-

- 4.1 Provide five (5) Canadian references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

5.0 MAKE & MODEL-

- 5.1 **State** make and model of the equipment bid- _____

6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS-

- 6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

- 6.2 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.

- 6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

7.0 PERFORMANCE RELIABILITY-

- 7.1 The responsibility for the design of the Railway Ballast Regulators, its performance and reliability shall rest upon the Contractor.

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

- 7.3 Where the Railway Ballast Regulators develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

- 7.4 The equipment shall be capable of consistent top performance in City of Winnipeg Environment. Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C)

8.0 FUEL-

- 8.1 Where applicable, all equipment must be fully fuelled upon delivery (no exceptions).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR-

9.1 The manufacturer of the Railway Ballast Regulators shall have five (5) years continuous experience manufacturing Railway Ballast Regulators

9.2 The manufacturer shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry.

10.0 ELIGIBLE MODELS- KERSHAW 46-6 OR 4600, NORDCO M7 or equivalent in accordance to B6. Substitutes

11.0 MAKE & MODEL-

11.1 **State** make and model of the equipment bid- _____

12.0 SPECIFICATIONS-

12.1 Frame- Welded construction using tubular steel and structural steel cross members. _____

12.2 Weight- **State** weight of ballast regulator with full of fluids and two 200 lbs. operators- _____

12.3 Engine- Tier IV interim or Tier IV final Diesel Engine, must meet current EPA Standards approx. 240-250 hp @ 2200 rpm with block heater _____

12.4 Drive System- 4 Wheel Drive, Hydrostatic drive, variable displacement piston pump, variable displacement piston motor. Travel speed 30 mph _____

12.5 Transmission- Transmission and Axles- Propel motor to power 2-speed "shift on the go" transmission. Dual propeller shafts, two (2) spring-mounted industrial type axles equipped with no spin differential. Single control handle controls speed and direction in each range. _____

12.6 Wheels- 24"- 28" cast steel wheels bolted to each axle _____

12.7 Brakes- Clasp brakes (preferred two shoes per wheel). Service brakes; air applied/spring released. Parking brakes; spring applied/air released. _____

12.8 Electrical- Electrical System 24 volt DC negative ground, 95-100 amp alternator, color coded and numbered wiring. _____

12.9 Air System- Air compressor, engine oil lubricated, cam shaft driven, water-cooled, 13.2 cfm free air volume @ 1250 rpm. System pressure is 100-120 psi, 9-10 liter air tank. Service brakes to be controlled by a pressure reducing valve and the parking brakes by a manually-operated dump valve. System shall be equipped with a dual tone air horn, safety relief valve. _____

- 12.10 Hydraulics- Hydraulic system- Engine-powered dual pump drive with clutch drives hydrostatic propels pump and triple pump for controls and broom. Control circuit includes pressure beyond manual valves, electrically actuated control valves and remote mounted oil cooler. 100 mesh suction screens and 10 micron return filters. Electric emergency pump to operate selected circuits. 110 V hydraulic tank heater. _____
- 12.11 Cab- Fully enclosed insulated, safety glass, dome light, front windshield wiper and pivoting seat. Cab access from either side of machine, 12 volt radio circuit, Gauges- fuel level gauge on tank, hydraulic system pressure gauges, hydraulic fluid level gauge, hydraulic temp gauge, hydraulic temp alarm, safety interlock and low turntable warning, rear view mirror. Jump seat, two-operator cab with two seats and split controls. _____
- 12.12 Capacities- Fuel Capacity approx. 120-125 gal, hydraulic: 95-100 gal, engine crankcase: 7 gal, cooling system:11 gal, pump drive: 4 1/2 qt, transmission: 2 qt _____
- 12.13 Snow blower- Snow Blower attachment w/ 2 stage blower _____
- 12.14 Snow Wing- Snow Wing with upper snow curl for front blade, **state** dimensions- _____
- 12.15 Engine Heater- Diesel fired engine heater, state make and model- _____
- 12.16 Storage box- Required, **state** location- _____
- 12.17 Safety- DOT reflective tape, stairs on broom shroud, snow wings and Auger _____
- 12.18 Tow Bar- Tow bar w/ hitch pins required _____
- 12.19 Separator- Fuel water separator required _____
- 12.20 Air Dryer - Air dryer for air lines required. _____
- 12.21 Shut off- Hydraulic Tank Shut off required _____
- 12.22 Tank- Auxiliary air tank chuck (male end) for blowing out the radiator in the summer. _____
- 13.0 WARRANTY-**
- 13.1 The Contractor shall warrant the 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 for a period of **(2) years or no hour limit 'bumper to bumper'**. _____
- 13.2 **State** optional Extended Warranty 24-48 months or 2000 hour limit \$ _____
- 13.3 Warranty- (all warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information. _____

14.0 **TRAINING-**

- 14.1 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.

Training Aides:

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

What is the recommended minimum training duration for:

Primary unit:

For major attachments (if applicable):

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

For the primary unit:

For major attachments (if applicable):

Training Materials and applicable manuals or on-line training material information must be provided to the Operator Training Branch of 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: Equipment Operator Training Branch

960 Thomas Avenue
Winnipeg, MB
R2L 2E1

Leanne Guertin
Equipment Operator Training Consultant
Cell: 204-451-3793
Contact e-mail: lguertin@winnipeg.ca

15.0 DELIVERY-

- 15.1 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 **Water & Waste Railway 598 Plinquet, Winnipeg MB.**
- 15.2 Delivery Time- **State** delivery time from official notification of award of contract- Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days.
- 15.3 Delivery Contact- The Contractor shall contact the Contract Administrator prior to delivery of the equipment.
- 15.4 P.D.I.- A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list

16.0 MANUALS-

- 16.1 Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.
- 16.2 The following manuals shall be supplied with the units when delivered:
- a) Operator's manual – Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch
 - b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred.
 - c) Detailed wiring and hydraulic schematic drawing of each unit