

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND INSTALLATION OF HI-RAIL UNITS AND ACCESSORIES

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 AND INSTALLATION OF HI-RAIL UNITS AND ACCESSORIES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Hi-Rail Unit and Accessories: Extended Cab 2014 Ford F-350	13068	Each	1	
2.	Hi-Rail Unit and Accessories: Crew Cab 2014 Chev 3500	13068	Each	2	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 13068

SUPPLY AND INSTALLATION OF HI-RAIL UNITS AND ACCESSORIES

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe the supply and installation of **Hi-Rail Units** and other equipment and features as specified herein.
- 1.2 The **Hi-Rail Units** shall be a new, 2013 model year or newer.
- 1.3 The **Hi-Rail Units** 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 and 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.

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 **Hi-Rail Units** 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/actsregulations/GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html>
 - City of Winnipeg Lighting Standard
<http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>
 - 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 PERFORMANCE

- 3.1 Shall be capable of consistent top performance for traveling, transporting and hauling on roadways and railways during the climatic conditions which are normal to the City of Winnipeg.

4.0 SERVICE FACILITY

- 4.1 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.

5.0 REFERENCES

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

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 hi-rail and associated, 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, of 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 hi-rail unit and associated 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 hi-rail units and associated shall have demonstrated experience manufacturing hi-rail units and associated.

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.

9.3 The Contractor shall have demonstrated experience servicing, repairing and maintaining hi-rail units and associated of the type being offered.

10.0 NATIONAL SAFETY MARK- (IF APPLICABLE)

10.1 In Canada, modification to new vehicles can only be done at facilities that are recognized by Transport Canada. All of these facilities must have a National Safety Mark from Transport Canada. Transport Canada National Safety Mark is a label that indicates that the modifications are compliant with all current Canadian Motor Vehicle Safety Standards (CMVSS)

STATE (NSM) #- _____

11.0 MANITOBA SAFETY INSPECTION- (IF APPLICABLE)

11.1 The vehicle shall be complete with a current Manitoba Safety Sticker affixed to the driver's side vent window.

12.0 HI-RAIL

12.1 Type – hydraulic lift Harsco HR 1520B3 or equivalent. _____

12.1.1 **State** make and model being bid – Item 1 Ford F-350. _____

12.1.2 **State** make and model being bid – Item 2 Chevrolet Silverado 3500. _____

12.2 The hi-rail unit being bid shall allow for all four truck tires to ride on the railway tracks. _____

12.3 Track gauge – 56.5 in. _____

12.4 Construction – fabricated steel unit, welded and bolted construction. _____

12.5 Attachment to vehicle – front and rear units shall be bolted to vehicle frame with custom mounting brackets specific to the chassis being bid. The unit shall be fitted with incrementally spaced mounting holes to allow full adjustment of installation for vehicle's frame height, base curb weight, and on-rail tracking. _____

12.6 Suspension – four wheel independent spring suspension. _____

12.7 Rail wheels – profile steel wheels _____

12.7.1 Tread diameter – 10 in. _____

12.7.2 Flange diameter – 12½ in. _____

12.8 Safety locks – positive self-engaging mechanical lock, locked in rail and highway positions. _____

12.9 Derail skirts – required on front and rear units. _____

12.10 Rail sweeps – bolt-on, required front and rear. _____

12.11 Raise/lower – hydraulic, double acting cylinders with electric control switch located by each unit. _____

12.12 Bumper – front mounted. _____

13.0 **INSTALLATION**

13.1 The hi-rail units shall be installed on the following City supplied chassis:

Item 1

- 2014 Ford F-350 Pick-up Truck
- 6.2 L Gasoline Engine
- 10,500 lbs. GVWR
- Extended Cab
- 6½ ft. cargo box
- 158 in. Wheelbase
- 4wd

Item 2

- 2014 Chevrolet Silverado 3500
- 6.0 L Gasoline Engine
- 10,800 lbs. GVWR
- Crew Cab
- 6½ ft. cargo box
- 153.7 in. Wheelbase
- 4wd

13.2 Mounting of the hi-rail unit shall be in accordance with the manufacturer's recommended mounting procedures including, but not limited to, guidelines for tire and suspension. _____

13.3 Any holes required in chassis frame web must be drilled and reamed to fit bolts, no exceptions. _____

13.3.1 Drilling on chassis frame flanges is not permitted. _____

13.3.2 Welding on the chassis frame is not permitted. _____

13.4 Hi-rail shall be bolted to chassis frame using Grade 8 fasteners. _____

14.0 **SLIP TANK** (Item 2 only)

14.1 Type – Transport Canada registered (CAN/CGSB-43.146-2002) certified, 200 L capacity, Liquid Transfer Tank Dee Zee 91740 or equal. **State** make and model being bid. _____

14.2 Mounting – mounted to front of pick-up truck bed. The tank shall be securely mounted, but able to be removed by the operator if required. _____

14.2.1 Tank shall be mounted on a ¼ in. thick rubber or neoprene sheet, 4' x 3' approx. _____

14.3 Slip tank shall be complete with a 12-Volt pump, 16 ft. of hose, hose storage, and dispensing nozzle with strainer. _____

14.4 Grounding straps – required. _____

14.5 Placard – required as per CMVSS for transport of dangerous goods. _____

14.6 The tank shall be clearly labelled “Diesel” with a permanent type label. _____

15.0 MISCELLANEOUS

15.1 Suspension overloads – auto levelling air bag overload between frame and rear springs, sized for GVWR, Firestone or equivalent. _____

15.2 Cargo rack – Backrack® or Headrack® equivalent. _____

15.3 Utility light brackets – two (2) 16"x7", driver's and passenger's side mounted, required for mounting mini light bars. _____

15.4 Grab handles – located at side door area, each side, chrome or stainless steel with rubber inserts, ergonomically located for entry and egress of cab, exact location to be determined at time of installation. _____

15.5 Ladder rack – located on passenger side of truck, removable, capable of transporting a 16 ft. step ladder. _____

15.6 Tool box (Item 1 only) – transverse behind cab, full width, checkerplate aluminium with “butterfly” lockable doors, Weatherguard or equal. **State** make and model being bid. _____

16.0 WELDING

16.1 All welding performed shall conform to CSA Standard W47.1-03 and W59-03. _____

Note: All welds are subject to inspection by a City of Winnipeg Qualified Inspector.

17.0 ELECTRICAL AND LIGHTING

17.1 All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. _____

17.2 Back-up alarm – STAR 99901, 97 dB(A) rating, installed at rear of body, located to be protected from damage. _____

17.3 Mini light bars – two (2) Whelen R2LPPA mounted to top driver's side and top passenger's side of Backrack/Headrack, 360° visibility, wired through ignition, fused as per manufacturer's recommendations. _____

17.3.1 Actuation switch – switch panel actuated, 3-position high/off/low, backlit, labelled “Beacon” with a permanent type, engraved style label. Exact mounting location to be determined at time of installation.

17.4 Auxiliary work lighting – two (2) forward and two (2) rearward, LED work lights to illuminate rail gear area. **State** make and model being bid.

17.4.1 Actuation switch – switch panel actuated, backlit, labelled “Work Lights” with a permanent type, engraved style label. Exact mounting location to be determined at time of installation.

17.5 Switch panel – ergonomically located for driver’s activation, required for mini light bars, front auxiliary work lights and rear auxiliary work lights.

17.6 All wiring for warning lights, auxiliary work lights and switches shall be colour coded, loomed and properly secured.

17.6.1 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing.

17.6.2 All joining of wires shall be soldered and sealed using heat shrink tubing or approved OEM weathertight connections (crimp-on electrical connectors for joining of wires are not acceptable).

17.6.3 Splicing into factory chassis or body wiring harnesses is not acceptable.

17.6.4 Any holes required to run wires through shall be drilled (not punched), grommeted and sealed as required.

18.0 INTERFACES

18.1 All interfaces between aluminium and steel are to be separated by a minimum of $\frac{1}{16}$ in. thick rubber or neoprene sheet and shall be bolted through with stainless steel bolts and non-conductive bushings.

19.0 WARRANTY

19.1 The Contractor shall warrant **all hi-rail and associated equipment** and all parts thereof, against any defects in 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.

19.1.1 A new one (1) year warranty period shall be provided for any article that is repaired or replaced under the terms of the “repeat failures” clause (Section 7.0 Performance Reliability). The new warranty period shall be effective from the date of acceptance of the repaired or replaced article.

20.0 MANUALS

20.1 Operator’s manuals (Hi-rail) – two (2) required per vehicle.

20.2 Parts and maintenance manuals – two (2) complete sets per vehicle required, CD format preferred, required with the following comprising a set:

- i) Unit lubrication chart;
 - ii) Maintenance manual;
 - iii) Unit parts book;
 - iv) Electric wiring diagram; and
 - v) Hydraulic circuit diagram.
-

Note: The manuals supplied with this contract must be in English and shall be specifically for the unit supplied. General purpose manuals will not be acceptable. The Contract will not be considered complete until these have been delivered. Manuals must be supplied at the time the unit is delivered.

21.0 **LITERATURE**

21.1 Bidders shall submit current, descriptive, detailed literature of the equipment with their bid.

22.0 **TRAINING**

22.1 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 one (1) business day for maintenance personnel and one (1) business day 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 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
Equipment Operator Training Branch

102-1155 Pacific Avenue
Winnipeg, MB
R3E 3P1

Leanne Guertin
Equipment Operator Training Consultant

Cell: 204-451-3793
Contact e-mail: lguertin@winnipeg.ca

23.0 DELIVERY

- 23.1 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 195 Tecumseh Street, Winnipeg MB. _____
- 23.2 Delivery Time- Within forty (40) calendar weeks from the date of official notification of award of contract. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. _____
- 23.3 Delivery Contact- The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____
- 23.4 P.D.I- A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list. _____

FORM Q-SUSTAINABILITY QUESTIONNAIRE

Product Information

(Yes/No)

Product Sustainability: High Quality, Small Ecological Footprint

1. Have you employed environmentally innovative best practices and/or technologies in the goods you are supplying in this Bid Opportunity as compared to similar goods? If yes, please describe them below.

Describe:

2. Have you obtained 3rd party environmental certifications for any of the products that you are supplying in this Bid Opportunity?

Describe:

3. Have you performed a life cycle assessment of the goods you are supplying in this Bid Opportunity? If yes, please describe below.

Describe:

4. Are there any other environmentally innovative best practices and/or technologies in the goods you are supplying in this Bid Opportunity that we could have specified in this tender, but have not? If yes, please describe them below.

Describe:

Company Information

Energy and Climate: Reducing Energy Costs and Greenhouse Gas Emissions

1. Have you measured your corporate greenhouse gas emissions? If yes, please report your total annual greenhouse gas emissions reported in the most recent year measured?

Describe:

2. Have you set publicly available greenhouse gas reduction targets? If yes, what are those targets?

Describe:

Material Efficiency: Reducing Waste and Enhancing Quality

1. Do you measure the total amount of solid waste generated from the facilities that produce your product(s) for this Bid Opportunity? If yes, please report for the most recent year measured.

Describe:

2. Have you set publicly available solid waste reduction targets? If yes, what are those targets?

Describe:

3. Do you measure the total water use from facilities that produce your product(s) for this Bid Opportunity? If yes, please report for the most recent year measured.

Describe:

4. Have you set publicly available water use reduction targets? If yes, what are those targets?

Describe:

Natural Resources: Responsibly Sourced Raw Materials

1. Have you established publicly available sustainability purchasing guidelines for your direct suppliers that address issues such as environmental compliance, employment practices and product safety?

Describe:

Social Responsibility: Ensuring Responsible and Ethical Production

1. Do you have a process for managing social compliance at the manufacturing level?

Describe:

2. Do you work with your supply base to resolve issues found during social compliance evaluations and also document specific corrections and improvements?

Describe:

3. Do you invest in community development activities in the markets you source from and/or operate within? _____

Describe:
