

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND INSTALLATION OF PICK-UP TRUCK MOUNTED HI-RAIL ATTACHMENTS

2. Bidder

Name of Bidder

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

Street

City

Province

Postal Code

Email Address of Bidder

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

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

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 By submitting a bid in response to this Tender, the Bidder certifies that it has read, understands, and agrees to the terms and conditions of this Tender and that the Tender, 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. Indigenous Self-Declaration The City is requesting that Bidders identify if their business is at least 51% owned by one or more Indigenous persons of Canada.

YES, 51% or more Indigenous ownership

NO, it is not

This information is being gathered for statistical purposes only and will not be used for purposes of evaluation.

11. 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 PICK-UP TRUCK MOUNTED HI-RAIL ATTACHMENTS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Hi-Rail Attachment	19019	Each	3	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 19019

SUPPLY AND INSTALLATION OF HI-RAIL ATTACHMENTS

1. SCOPE

- 1.1 These specifications describe the supply & installation of hi-rail units to be installed on City owned and supplied pick-up trucks as described in these specifications. The hi-rails and accessories shall be furnished complete and ready for use by the City. All parts not specifically mentioned, but which are required to complete and place the equipment into successful operation shall be furnished as though specifically mentioned in these specifications.
- 1.2 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.
- 1.3 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Tender.

2. 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.

Society of Automotive Engineers, SAE:

http://en.wikipedia.org/wiki/Society_of_Automotive_Engineers

- 2.2 The completed unit and all its components, weight and lighting requirements shall comply with all CMVSS and Manitoba Highway Traffic Act regulations and requirements.

Canadian Motor Vehicle Safety Standards, CMVSS:

<https://www.tc.gc.ca/eng/acts-regulations/regulations-crc-c1038.htm>

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

- 2.3 All welding and welding designs of the load supporting elements shall conform to the requirements of the Canadian Standards Association Standard (CSA) W47.1-03 and W59-03.
- 2.4 The completed vehicle shall be complete with a National Safety Mark, NSM.
- 2.4.1 **State** NSM Number: _____

3. INSTRUCTION FOR COMPLETION OF SPECIFICATIONS

- 3.1 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 and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specification is used, the City will also consider deviations and/or equivalents.
- 3.2 Each Bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

4. QUALIFICATIONS OF MANUFACTURER / CONTRACTOR

- 4.1 The Manufacturer of the hi-rail unit shall have demonstrated experience manufacturing hi-rail equipment of the type being offered.

- 4.2 The Contractor shall be a manufacturer or authorized distributor/supplier of hi-rail equipment and shall have a minimum of five (5) years continuous experience installing the type equipment being bid.

5. SERVICE FACILITY

- 5.1 For the purpose of warranty repairs, 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. Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience on hi-rail equipment, and general service capabilities. A description of the service facility shall be provided within three (3) Business Days upon request of the Contract Administrator.

- 5.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that the City of Winnipeg Repair Facility perform warranty work. Any Work performed by the City of Winnipeg Repair Facility 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 2019: \$109.⁰⁰/hour and \$129.⁰⁰/hour for overtime and callout).

- 5.3 The Bidder shall choose and fill-in one of the Clauses listed below, i.e., 5.4 or 5.5.

- 5.4 Bidder's own facility location. **State** the location of the service facility.

- 5.5 Bidder elects to have warranty work be performed by the City of Winnipeg. Bidder shall provide all warranty authorization processes.

6. REFERENCES

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

7. PERFORMANCE

- 7.1 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.

8. PERFORMANCE RELIABILITY

- 8.1 The responsibility for the design of the hi-rail and associated, its performance and reliability shall rest upon the Contractor.

- 8.2 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.

8.3 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.

8.4 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 35°C to -40°C.

9. HI-RAIL SPECIFICATIONS

9.1 Type – hydraulic lift Harsco HR 1515C1, Rafna R290 or equivalent, **state** make and model being bid. _____

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

9.3 Track gauge – 56.5 in. _____

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

9.5 Attachment to vehicle – front and rear units shall be bolted to vehicle frame with custom mounting brackets specific to the chassis supplied. 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. _____

9.6 Rims and tires – aluminium, aftermarket rims with heavy duty tires suited for the hi-rail unit being bid. The rims and tires shall be properly aligned and the speedometer recalibrated. A credit shall be applied for the OEM rims and tires. _____

9.7 Suspension – four wheel independent spring suspension. _____

9.8 Rail wheels – profile steel wheels. _____

9.8.1 Tread diameter – 10 in. _____

9.8.2 Flange diameter – 12½ in. _____

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

9.10 Derail skids – to be supplied on front and rear of units. _____

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

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

9.13 Bumper – front OEM bumper to be modified to accommodate hi-rail unit being bid. _____

- 9.14 Suspension overloads – auto levelling air bag overload between frame and rear springs c/w compressor, sized for GVWR. **State** make and model being bid.
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10. INSTALLATION

- 10.1 The hi-rail unit shall be installed on the following City supplied pick-up truck:

2019 Chevrolet Silverado 3500

- 10,800 lbs. GVWR
- 6.0L Gasoline Engine
- Crew Cab
- 4wd
- 6½ ft. box

- 10.2 Running boards – custom made extending entire length of underside of front and rear doors, each side. Constructed of AGS 6061 aluminium grip strut, 9-½" x 2" x .08", c/w 1/8" aluminium checkerplate as an inside kick plate. Support brackets shall consist of 1½" x 1½" x 1/8" RC aluminium square tubing with ¼" aluminium support plates.
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- 10.2.1 Running boards, mounting – cab steps to be mounted using the existing holes in the frame and body where applicable with 3/8-16 nut inserts to secure the mounting brackets to the body.
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- 10.3 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.
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- 10.4 Any holes required in chassis frame web must be drilled and reamed to fit bolts, no exceptions.
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- 10.4.1 Drilling on chassis frame flanges is not permitted.
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- 10.4.2 Welding on the chassis frame is not permitted.
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- 10.5 Hi-rail shall be bolted to chassis frame using Grade 8 fasteners.
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11. INTERFACES

- 11.1 All interfaces between aluminium and steel are to be separated by a minimum of 1/16 in. thick rubber or neoprene sheet and shall be bolted through with stainless steel bolts and non-conductive bushings.
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12. ELECTRICAL AND LIGHTING

- 12.1 All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements.
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- 12.2 Back-up alarm – SWS 99901 or equivalent in accordance with B6, 97 dB(A) rating, installed at rear of SUV, located to be protected from damage.
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12.3 Auxiliary work lighting – two (2) forward and two (2) rearward, LED work lights to illuminate rail gear area. **State** make and model being bid. _____

12.3.1 Actuation switches – labelled “Work Lights” with a permanent type, engraved style label. Exact mounting location to be determined at time of installation. _____

12.4 All wiring for lights and switches shall be colour coded, loomed and properly secured. _____

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

12.4.2 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). _____

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

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

13. WARRANTY

13.1 The Contractor shall provide all detailed published warranty information (including all exclusions) at the time of delivery of the equipment. **State** The following warranties:

13.2 Hi-rail gear and associated equipment – **state**. _____

13.3 Electrical, lighting, etc. – **state**. _____

14. MANUALS

14.1 Operator’s manuals (hi-rail) – one (1) per vehicle, plus one extra to be sent to the Training Branch as per D12.6. _____

14.2 Parts and maintenance manuals – two (2) complete sets per vehicle required, USB 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.

15. PICK-UP AND DELIVERY

15.1 Pick-up – the Contractor shall be responsible for picking-up the trucks from the City upon award. The vehicles will be available for pick-up at the Winnipeg Fleet Management Agency, 185 Tecumseh St., Winnipeg,

Manitoba. Pick-up times will be between 8:00am and 2:00pm on any Business Day. The Contractor shall be responsible for any related fuel costs to and from their facility.

15.2 Delivery – the unit shall be serviced, ready for operation, fully fuelled and delivered F.O.B. with the freight prepaid to the Winnipeg Fleet Management Agency, 185 Tecumseh Street, Winnipeg, Manitoba within **twelve (12) calendar weeks** from the date of award of Contract. The Contractor shall contact the Contract Administrator prior to delivery of the equipment. Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.

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

15.4 Weigh scale ticket – the unit shall be delivered with a certified weigh scale ticket. The weights shown on the ticket shall including front and rear axle loads with one (1) operator, one (1) passenger, and the unit fully fuelled.
