

**FORM A: BID**  
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF A FULL SIZE SPORT UTILITY VEHICLE WITH A HI-RAIL ATTACHMENT

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 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. 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 DELIVERY OF A FULL SIZE SPORT UTILITY VEHICLE WITH A HI-RAIL ATTACHMENT

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Full Size Sport Utility Vehicle	18067	Each	1	
2.	Hi-Rail Attachment	18068	Each	1	

\_\_\_\_\_  
Name of Bidder

## FORM N: DETAILED SPECIFICATIONS 18067

### FULL SIZE SPORT UTILITY VEHICLE

#### 1. TYPE

1.1 Shall be a 2019, 4-door, 4wd, full size sport utility vehicle (SUV). The SUV shall be furnished complete and ready for use with all features and equipment as described herein. The SUV shall be capable of accommodating a hydraulic lift hi-rail attachment described in Detailed Specifications 18068.

1.2 **STATE MAKE AND MODEL BEING BID: 2019** \_\_\_\_\_

#### 2. 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.

Society of Automotive Engineers, SAE: [http://www.standardsportal.org/usa\\_en/sdo/sae.aspx](http://www.standardsportal.org/usa_en/sdo/sae.aspx)

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 including, but not limited to, a Manitoba Government Inspection.

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

Canadian Motor Vehicle Safety Standards, CMVSS:  
<https://www.tc.gc.ca/eng/acts-regulations/acts-1993c16.htm>

Under Writers of Canada, ULC: <https://canada.ul.com/>

#### 3. SERVICE FACILITY

3.1 For the purpose of warranty repairs, the manufacturer 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. Further to B10, 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. 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 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.	SPECIFICATION	BIDDER TO STATE "YES" OR STATE DEVIATION
5.1	Wheelbase	130 in. approx., <b>state</b> _____
5.2	GVWR	11,000 lbs. approx., <b>state</b> _____

5.3	Engine	6.0L V8	_____
5.4	Horsepower	360 HP	_____
5.5	Torque	380 lbf-ft	_____
5.6	Block heater	Submersible coolant type	_____
5.7	Cooling	External engine oil cooler, heavy duty air-to-oil for severe service	_____
5.8	Coolant	Extended Life Coolant, -35°C	_____
5.9	Battery	730 CCA	_____
5.10	Alternator	220 Amp	_____
5.11	Transmission	6-speed automatic with column mounted shifter, electronically controlled with overdrive and tow/haul mode	_____
5.12	Transmission cooling	Heavy-duty auxiliary oil cooler for severe service	_____
5.13	Drive	4-wheel drive with electronic dash mounted switch	_____
5.14	Transfer case	Active, 2-speed electronic	_____
5.15	Skid plates	For engine, transmission and transfer case	_____
5.16	Frame	Full frame design with 2-front, frame-mounted recovery hooks	_____
5.17	Rear axle	Heavy duty rear locking differential	_____
5.18	Towing prep package	Class 3 or 4, 2 in. receiver hitch c/w 7-wire Harness and 7-way sealed connector	_____
5.19	Steering	Electric power assist steering	_____
5.20	Brakes	Power, 4-wheel heavy duty ABS disk brakes	_____
5.21	Wheels	Steel or aluminium wheels, <b>state</b> size and configuration	_____
5.22	Tires – front & rear	BSW, LT, <b>state</b> size	_____
5.23	Spare wheel & tire	Full size, same as front and rear wheels and tires, complete with carrier	_____
5.24	Suspension	Heavy duty spring type	_____
5.25	License plate brackets	Front and rear	_____
5.26	Floor covering	Heavy duty rubber/vinyl floor covering throughout with throw-in rubber floor mats in front	_____
5.27	Mirrors, exterior	Dual exterior, power adjustable	_____
5.28	Mirror, interior	Day/night centre rearview	_____
5.29	Windshield wipers	Intermittent with washer, front and rear	_____
5.30	Ignition keys	Three (3) keys	_____
5.31	Remote keyless entry	Two (2)	_____
5.32	Air conditioning	Unit to be equipped with A/C	_____
5.33	Steering wheel	Tilt type	_____
5.34	Cruise control	Electronic	_____
5.35	Door locks	Power	_____

5.36	Seats, front	40/20/40 split bench, cloth upholstery or bucket seats	_____
5.37	Seats, rear	60/40 split-folding bench, cloth upholstery	_____
5.38	Seats, 3 <sup>rd</sup> row	60/40 split-folding bench, fold flat	_____
5.39	Rear window defroster	Electric	_____
5.40	Radio	AM-FM with USB and auxiliary ports	_____
5.41	Airbags	Front driver and passenger w/side impact, head curtain airbags for all rows in outboard positions	_____
5.42	12-Volt power point(s)	<b>State</b> quantity and location(s) of outlets	_____
5.43	110 Volt power outlet	To be supplied, <b>state</b> location	_____
5.44	Bluetooth <sup>®</sup> technology	For use with cellular phones, "hands-free" capable, voice command activated through vehicle's radio circuit	_____
5.45	Rear view camera	To be supplied	_____
5.46	Fuel tank	Fully fuelled upon delivery	_____
5.47	Colour, interior	Charcoal or black	_____
5.48	Colour, exterior	White	_____
5.49	Warranty	The Contractor is to provide all detailed published warranty information (including all exclusions) at the time of delivery of the equipment. <b>State</b> the following warranties:	_____
5.50	Basic vehicle	Comprehensive, <b>state</b>	_____
5.51	Drivetrain coverage	<b>State</b>	_____
5.52	Roadside assistance	<b>State</b>	_____
5.53	Corrosion, sheet metal	<b>State</b>	_____
5.54	Corrosion, rust through	<b>State</b>	_____
5.55	Delivery point	Vehicles to be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including N.I.V.S. to the Winnipeg Fleet Management Agency, 185 Tecumseh St., Winnipeg MB	_____
5.56	Delivery time	Within 26-calendar weeks from the date of award. Equipment to be delivered between 8:00 am and 3:00 pm on Business Days	_____
5.57	Delivery contact	The Contractor is to contact the Contract Administrator prior to delivery of the equipment	_____
5.58	PDI	A pre-delivery inspection is to be performed by the Contractor on the equipment. Proof upon inspection including completed check list	_____
5.59	Manuals	Manuals to cover the complete equipment including all components thereof, on-line is preferred where available	_____
5.60	Operator's manual	One (1) per unit	_____

## FORM N: DETAILED SPECIFICATIONS 18068

### SUPPLY AND INSTALLATION OF A HI-RAIL UNIT AND ACCESSORIES

#### 1. SCOPE

- 1.1 These specifications describe the supply & installation of a hi-rail unit to be installed on, and compatible with a full-size SUV described in Item 1, Detailed Specifications 18067. The hi-rail 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 Bid Opportunity.

#### 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](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>

#### 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 shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 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.<sup>00</sup>/hour and \$129.<sup>00</sup>/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. NATIONAL SAFETY MARK**

9.1 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 #: \_\_\_\_\_

**10. MANITOBA SAFETY INSPECTION**

10.1 The completed vehicle shall be supplied with a current Manitoba Safety Sticker affixed to the driver's side window.

**11. HI-RAIL**

11.1 Type – hydraulic lift Harsco HR 1515C1, Rafna R290 or equivalent in accordance with B6, **state** make and model being bid. \_\_\_\_\_

11.2 The hi-rail unit being bid shall allow for all four SUV tires to ride on the railway tracks. \_\_\_\_\_

11.3 Track gauge – 56.5 in. \_\_\_\_\_

11.4 Construction – fabricated steel unit, welded and bolted construction. \_\_\_\_\_

11.5 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. \_\_\_\_\_

11.6 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. \_\_\_\_\_

11.7 Suspension – four wheel independent spring suspension. \_\_\_\_\_

11.8 Rail wheels – profile steel wheels. \_\_\_\_\_

11.8.1 Tread diameter – 10 in. \_\_\_\_\_

11.8.2 Flange diameter – 12½ in. \_\_\_\_\_

11.9 Safety locks – positive self-engaging mechanical lock, locked in rail and highway positions. \_\_\_\_\_

11.10 Derail skids – to be supplied on front and rear of units. \_\_\_\_\_

11.11 Rail sweeps – bolt-on, front and rear. \_\_\_\_\_

11.12 Raise/lower – hydraulic, double acting cylinders with electric control switch located by each unit. \_\_\_\_\_

11.13 Bumper – front mounted. \_\_\_\_\_

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

**12. RUNNING BOARDS**

12.1 Running boards – custom made extending entire length of underside of front and rear doors, each side. Constructed of AGS 6061 aluminium grip strut, 9-1/2" x 2" x .08", c/w 1/8" aluminium checkerplate as an inside kick plate. Support brackets shall consist of 1 1/2" x 1 1/2" x 1/8" RC aluminium square tubing with 1/4" aluminium support plates. \_\_\_\_\_

12.2 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. \_\_\_\_\_

**13. INSTALLATION**

13.1 The hi-rail unit shall be installed on the SUV specified in Item 1, Detailed Specifications 18067. **State** the recommended make and model of SUV suited for the hi-rail unit being bid. \_\_\_\_\_

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. WELDING**

14.1 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.

**15. ELECTRICAL AND LIGHTING**

15.1 All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. \_\_\_\_\_

- 15.2 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. \_\_\_\_\_
- 15.3 Mini light bar – one (1) SWS 16311 or equivalent in accordance with B6, mounted to top of SUV on a roof rack, 360° visibility, fused as per manufacturer’s recommendations. \_\_\_\_\_
- 15.3.1 Actuation switch – switch panel actuated, labelled “Beacon” with a permanent type, engraved style label. Exact mounting location to be determined at time of installation. \_\_\_\_\_
- 15.4 Auxiliary work lighting – two (2) forward and two (2) rearward, LED work lights to illuminate rail gear area. **State** make and model being bid. \_\_\_\_\_
- 15.4.1 Actuation switch – switch panel actuated, labelled “Work Lights” with a permanent type, engraved style label. Exact mounting location to be determined at time of installation. \_\_\_\_\_
- 15.5 Switch panel – ergonomically located for driver’s activation, back-lit when actuated, required for mini light bar, front auxiliary work lights and rear auxiliary work lights. \_\_\_\_\_
- 15.6 All wiring for warning lights, auxiliary work lights and switches shall be colour coded, loomed and properly secured. \_\_\_\_\_
- 15.6.1 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. \_\_\_\_\_
- 15.6.2 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). \_\_\_\_\_
- 15.6.3 Splicing into factory chassis or body wiring harnesses is not acceptable. \_\_\_\_\_
- 15.6.4 Any holes required to run wires through shall be drilled (not punched), grommeted and sealed as required. \_\_\_\_\_

**16. INTERFACES**

- 16.1 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. \_\_\_\_\_

**17. WARRANTY**

- 17.1 The Contractor shall provide all detailed published warranty information (including all exclusions) at the time of delivery of the equipment. **State** The following warranties:
- 17.2 Hi-rail gear and associated equipment – **state**. \_\_\_\_\_
- 17.3 Electrical, lighting, etc. – **state**. \_\_\_\_\_

**18. MANUALS**

18.1 Operator's manuals (hi-rail) – two (2) required per vehicle. \_\_\_\_\_

18.2 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.

**19. PICK-UP AND DELIVERY**

19.1 Pick-up – the Contractor shall be responsible for picking-up the SUV from the City upon award. 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 8:00am and 2:00pm on any Business Day. The Contractor shall be responsible for any related fuel costs to and from their facility. \_\_\_\_\_

19.2 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 **thirty (30) 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 within 8:00am and 2:00pm on Business Days. \_\_\_\_\_

19.3 A pre-delivery inspection shall be performed by the Contractor on all equipment. \_\_\_\_\_

19.4 Weigh scale ticket – the unit shall be delivered with a certified weigh scale ticket including front and rear axle loads with two (2) operators, fully fuelled. \_\_\_\_\_