

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF ALL-TERRAIN VEHICLES

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. 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 ALL-TERRAIN VEHICLES

UNIT PRICES

| ITEM NO. | DESCRIPTION | SPEC. REF. | UNIT | QUANTITY | UNIT PRICE |
|----------|--|------------|------|-------------|-----------------------------|
| 1. | 6X6 All-Terrain Vehicle | 16045 | Each | 2 | |
| 1a. | Option 1: Rubber Track System | 16045 | Each | 1 | |
| 2. | Diesel Utility Vehicle | 16063 | Each | 3 | |
| 3. | Option 1: Fully Enclose Vinyl Cab, Heater Kit, Side Wall Extensions for Cargo Box | 16063 | Each | 2 2 2 | _____ _____ _____ |
| 4. | Option 2: Spare Front Tire and Rim Spare Rear Tire and Rim | 16063 | Each | 1 1 | _____ _____ |
| 5. | 8X8 Amphibious All-Terrain Vehicle | 16064 | Each | 1 | |
| 6. | 4X4 Side-By-Side All-Terrain Vehicle | 16065 | Each | 2 | |

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 16045
6X6 ALL-TERRAIN VEHICLE

1.0 SCOPE

- 1.1 These specifications describe a **6X6 All-Terrain Vehicle** and other equipment and features as specified herein.
- 1.2 The **6X6 All-Terrain Vehicle** shall be a new 2016 or newer model year.
- 1.3 The **6X6 All-Terrain Vehicle** 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.

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 **6X6 All-Terrain Vehicle and all its components and attachments** shall comply with the applicable regulations:

Highway Traffic Act: web2.gov.mb.ca/laws/statutes/ccsm/ho6oe.php

Manitoba Motor Vehicle Act: web2.gov.mb.ca/laws/statutes/ccsm/d104e.php

Transport Canada: www.tc.gc.ca/eng/menu.htm

National Safety Mark, NSM = laws-lois.justice.gc.ca/eng/acts/M-10.01/page-2.html

Manitoba/Winnipeg Safety and Health Act, Parts 22, safemanitoba.com/wsh-regulations 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

City of Winnipeg Lighting Visibility Standard=
<http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

- 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 **6X6 All-Terrain Vehicle**, 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 **6X6 All-Terrain Vehicle** 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 **6X6 All-Terrain Vehicle** shall have five (5) years continuous experience manufacturing **6X6 All-Terrain Vehicle**.

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 **SPECIFICATIONS:**

| | | | |
|-------|------------------------------|---|-------|
| 10.1 | Engine | Approx. 560-650cc V-Twin, 4-stroke, liquid cooled, OHV (Overhead Valve). | _____ |
| 10.2 | Drive train | Selectable 4wd/6wd with locking front differential. | _____ |
| 10.3 | Transmission/Final drive | Automatic, shaft drive (chain drive unacceptable) with engine braking system. | _____ |
| 10.4 | Fuel type | Gas. | _____ |
| 10.5 | Instrumentation | Speedometer, Odometer, Tachometer, Trip meter, Hour Meter, Clock, service Indicator, Diagnostic Indicator, Gear Indicator, Fuel Gauge, AWD Indicator, Hi Temperature and Engine Lights, and DC outlet in console. | _____ |
| 10.6 | Mud Tires | Front: Approx. 26 x 8 x 12, mud tread.. Rear: Approx. 26 x 10 x 12, mud tread. | _____ |
| 10.7 | Fuel capacity | Approx. 5.4 gallons (20.5 liters). | _____ |
| 10.8 | Dimensions | Approx. width 49", length 120", wheel base 82-84". | _____ |
| 10.9 | Front suspension | Independent. | _____ |
| 10.10 | Rear suspension | Independent. | _____ |
| 10.11 | Brakes | Front wheel hydraulic disc. Rear wheel hydraulic disc. | _____ |
| 10.12 | Steering | Electronic power steering. | _____ |
| 10.13 | Ground clearance | Front approx. 11", rear approx. 11". | _____ |
| 10.14 | Cargo box | Double walled, medium density polyethylene, with dump capability and tailgate. | _____ |
| 10.15 | Cargo box size | Capable of holding a solution tank 48" L x 31" W x 12" H), state cargo bed dimensions. | _____ |
| 10.16 | Payload capacity (cargo box) | Approx. 700 lbs., state . | _____ |
| 10.17 | Towing capacity | Approx. 1500 lbs., state . | _____ |

| | | | |
|-------|-----------------|---|-------|
| 10.18 | Colour | State available exterior colors. | _____ |
| 10.19 | Dry weight | Approx. 1075 lbs. | _____ |
| 10.20 | Lights | Front twin halogen headlights, tail and brake lights. | _____ |
| 10.21 | Safety lighting | Amber LED Safety Strobe light (beacon) Hella MLB 100, model# H27996001 or equivalent mounted on a pedestal to achieve 360 degree visibility and wired directly to the ignition and branch guard. Exact location to be determined prior to delivery. | _____ |

Note: Options to be priced only as indicated on Form B: Prices.

Option 1: One unit to have the following Option

| | | | |
|-------|---------------------|--------------------|-------|
| 10.22 | Rubber track system | With mounting kit. | _____ |
|-------|---------------------|--------------------|-------|

11.0 WARRANTY

| | | |
|------|--|-------|
| 11.1 | The Contractor shall warrant the vehicle 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 one (1) year, “bumper to bumper” no deductible, state warranty details | _____ |
|------|--|-------|

12.0 DELIVERY

| | | |
|------|---|-------|
| 12.1 | 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 185 Tecumseh Street, Winnipeg MB. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order | _____ |
| 12.2 | Delivery Time: To be delivered within the approximate time frame March 1 to 15, 2017 . Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. | _____ |
| 12.3 | Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. | _____ |
| 12.4 | P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list | _____ |

13.0 MANUALS

| | | |
|------|--|-------|
| 13.1 | Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD or USD flash drive is preferred where available. | _____ |
| 13.2 | 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 or USB flash drive are preferred.

14.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

14.1 In order to assure minimum downtime of the equipment in future service, the Contractor shall provide one (1) complete replacement set of new OEM filters and belts for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing. The required set of belts shall include, alternator, water pump, and power steering or otherwise all known necessary replacement belts used on the equipment.

14.2 The Contractor shall provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during preventative maintenance servicing.

FORM N: DETAILED SPECIFICATIONS 16063

DIESEL UTILITY VEHICLE

1.0 SCOPE

- 1.1 These specifications describe a **Diesel Utility Vehicle** and other equipment and features as specified herein.
- 1.2 The **Diesel Utility Vehicle** shall be a new 2016 or newer model year.
- 1.3 The **Diesel Utility Vehicle** 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.

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 **Diesel Utility Vehicle and all its components and attachments** shall comply with the applicable regulations:

Highway Traffic Act: web2.gov.mb.ca/laws/statutes/ccsm/ho6oe.php

Manitoba Motor Vehicle Act: web2.gov.mb.ca/laws/statutes/ccsm/d104e.php

Transport Canada: www.tc.gc.ca/eng/menu.htm

National Safety Mark, NSM = laws-lois.justice.gc.ca/eng/acts/M-10.01/page-2.html

Manitoba/Winnipeg Safety and Health Act, Parts 22, [safemanitoba.com/wsh-regulations and http://www.gov.mb.ca/labour/safety/](http://safemanitoba.com/wsh-regulations-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

City of Winnipeg Lighting Visibility Standard= <http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

- 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 **Diesel Utility Vehicle**, 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 **Diesel Utility Vehicle** 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 **Diesel Utility Vehicle** shall have five (5) years continuous experience manufacturing **Diesel Utility Vehicle**.

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 **SPECIFICATIONS:**

| | | | |
|-------|--------------------------|---|---|
| 10.1 | Engine | Approx. 20-25hp 3 or 4 cylinder diesel. | _____ |
| 10.2 | Alternator | Approx. 60 amps. | _____ |
| 10.3 | Battery capacity | 500-550 CCA | _____ |
| 10.4 | Drive train | Selectable 4wd/2wd with locking rear differential and limited-slip front differential. | _____ |
| 10.5 | Transmission/Final drive | Hydrostatic, dual range hi/lo. | _____ |
| 10.6 | Instrumentation | Speedometer, Odometer, Tachometer, Trip meter, Hour Meter, service Indicator, Diagnostic Indicator, Fuel Gauge, 4WD Indicator, Hi Temperature and Engine Lights. | _____ |
| 10.7 | Tires | Turf front and rear. | _____ |
| 10.8 | Fuel capacity | Approx. 7-10 US gallons. | _____ |
| 10.9 | Dimensions | Approx. width 60-65". Approx. length 120-125". Approx. wheel base 70-80". Approx. height with ROPS 79-82". | _____ _____ _____ _____ |
| 10.10 | Front suspension | Independent. | _____ |
| 10.11 | Rear suspension | Independent. | _____ |
| 10.12 | Brakes | Wet disc type. | _____ |
| 10.13 | Park brake | Hand parking brake. | _____ |
| 10.14 | Steering | Hydrostatic or electric power steering with tilt. | _____ |
| 10.15 | Ground clearance | Front approx. 10.5", rear approx. 10.5" | _____ |
| 10.16 | Seat type | Bench. | _____ |
| 10.17 | Seating capacity | Seating capacity for two (2). | _____ |
| 10.18 | Tilting Cargo box | State , general dimensions Tilting. Material - steel construction with spray-on box liner. Capacity approx. 1100 lbs. Hydraulic dump. Removable tailgate. | _____ _____ _____ _____ _____ |

| | | | |
|-------|------------------------------|--|-------|
| | | Hydraulic lift. | |
| 10.19 | Payload capacity (cargo box) | Approx. 1600 lbs., state | _____ |
| 10.20 | Towing capacity | Approx. 650 lbs. front, 1300 lbs. rear, state | _____ |
| 10.21 | Operating weight | Approx. 1900 lbs. | _____ |
| 10.22 | Hitch | Front and rear. Receiver hitch required with 2" ball. | _____ |
| 10.23 | ROPS | Roll Over Protection System (ROPS) with tubular over-head structure with passenger grab handles, seat belts and Roll Over Protection System (ROPS) Certification. | _____ |
| 10.24 | Lights | Front twin halogen headlights, tail and brake lights. | _____ |
| 10.25 | Fire Extinguisher | Two and a half (2.5) lbs. High volume ABC type securely mounted with quick release, State location | _____ |
| 10.26 | Back-up alarm | State dB. | _____ |
| 10.27 | Lighting | Hazard and signal Lights | _____ |
| 10.28 | Safety lighting | Slow Moving sign rear mounted with safety lighting. Lights shall be Hella MLB 100, model# H27996001. Light to be located on rear ROPS to achieve 360 degree visibility wired directly to the ignition. Light must also come with a safety guard. | _____ |

Note: Options to be priced only as indicated on Form B: Prices.

Option 1: Two units to have the following Options

| | | | |
|-------|--|--|-------|
| 10.29 | Fully enclosed vinyl cab | Removable with clip on or Velcro fasteners, vinyl removable or roll away doors. Windshield, doors, & rear window are constructed of see through vinyl. | _____ |
| 10.30 | Heater kit | For cab. | _____ |
| 10.31 | Side wall extensions for the cargo box | Removable, front and sides. | _____ |

Option 2: One unit to have the following Options

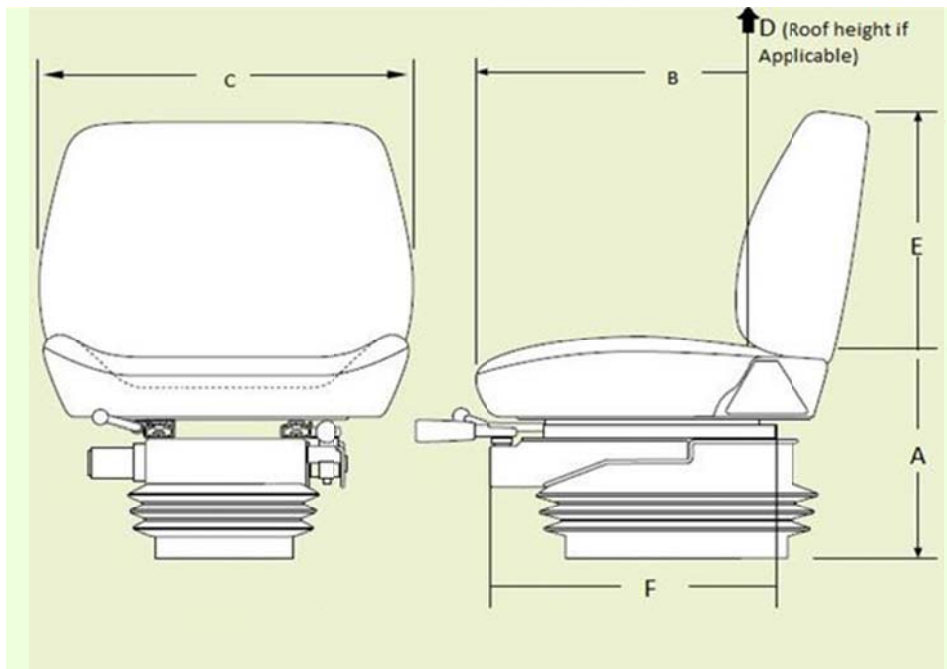
| | | | |
|-------|--------------------------|-----------------|-------|
| 10.32 | Spare front tire and rim | With turf tread | _____ |
| 10.33 | Spare rear tire and rim | With turf tread | _____ |

OPERATOR STATION ERGONOMICS

Entry/ Exit

- | | | | |
|-------|------------------------------|--|-------|
| 10.34 | First step entry height | State , height of first step in inches | _____ |
| 10.35 | First handhold entry height | State , first handhold entry height in inches | _____ |
| 10.36 | Access to equipment | State , door opening height in inches | _____ |
| 10.37 | Access to equipment | State , door opening width in inches | _____ |
| 10.38 | Designed to prevent slipping | Anti-slip steps/handholds (Y or N)? | _____ |

Seat (use below diagram to answer questions)



- | | | | |
|-------|---|---|-------|
| 10.39 | Sitting height range from floor (where feet rest) (A) | State , seat height range in inches | _____ |
| 10.40 | Seat length/depth (B) | State , seat length/depth in inches | _____ |
| 10.41 | Seat width (C) | State , seat width in inches | _____ |
| 10.42 | Cab height from seat to roof (if applicable) (D) | State , cab height range in inches | _____ |
| 10.43 | Back rest height (E) | State , back rest height in inches | _____ |
| 10.44 | Seat travel range (F) | State , seat travel in inches | _____ |
| 10.45 | Lumbar support | Is lumbar support provided (Y or N)? | _____ |
| 10.46 | Head rest | Is head rest provided (Y or N)? | _____ |
| 10.47 | Seat is made of breathable material | State , type of seat material | _____ |

Operation

- | | | | |
|-------|--|--|-------|
| 10.48 | a) Reaching distance to usual work | State , reaching distance in inches | _____ |
| 10.49 | b) Maximum reaching distance | State , maximum reach distance in inches | _____ |
| 10.50 | Adjustable pedals (accelerator/brake/clutch) | Are pedals adjustable (Y or N)? | _____ |
| 10.51 | Adjustable steering wheel | Is steering wheel adjustable (Y or N)? | _____ |
| 10.52 | Adjustable shoulder belt | Is belt adjustable and anchored (Y or N)? | _____ |

11.0 WARRANTY

- | | | |
|------|--|-------|
| 11.1 | The Contractor shall warrant the vehicle 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 one (1) year, “bumper to bumper” no deductible, state warranty details | _____ |
|------|--|-------|

12.0 DELIVERY

- | | | |
|------|---|-------|
| 12.1 | 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 185 Tecumseh Street, Winnipeg MB. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order | _____ |
| 12.2 | Delivery Time: To be delivered within the approximate time frame March 1 to 15, 2017 . Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. | _____ |
| 12.3 | Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. | _____ |
| 12.4 | P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list | _____ |

13.0 MANUALS

- | | | |
|------|--|-------|
| 13.1 | Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD or USD flash drive is preferred where available. | _____ |
| 13.2 | 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 or USB flash drive are preferred. | _____ |

14.0 FIRST SERVICE PREVENTATIVE MAINTENANCE KIT

- 14.1 In order to assure minimum downtime of the equipment in future service, the Contractor shall provide one (1) complete replacement set of new OEM filters and belts for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing. The required set of belts shall include, alternator, water pump, and power steering or otherwise all known necessary replacement belts used on the equipment.
- 14.2 The Contractor shall provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during preventative maintenance servicing.

FORM N: DETAILED SPECIFICATIONS 16064

8X8 AMPHIBIOUS ALL-TERRAIN VEHICLE

1.0 SCOPE

- 1.1 These specifications describe an **Amphibious All-Terrain Vehicle** and other equipment and features as specified herein.
- 1.2 The **Amphibious All-Terrain Vehicle** shall be a new 2016 or newer model year.
- 1.3 The **Amphibious All-Terrain Vehicle** 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.

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 **Amphibious All-Terrain Vehicle and all its components and attachments** shall comply with the applicable regulations:

Highway Traffic Act: web2.gov.mb.ca/laws/statutes/ccsm/ho6oe.php

Manitoba Motor Vehicle Act: web2.gov.mb.ca/laws/statutes/ccsm/d104e.php

Transport Canada: www.tc.gc.ca/eng/menu.htm

National Safety Mark, NSM = laws-lois.justice.gc.ca/eng/acts/M-10.01/page-2.html

Manitoba/Winnipeg Safety and Health Act, Parts 22, [safemanitoba.com/wsh-regulations and http://www.gov.mb.ca/labour/safety/](http://safemanitoba.com/wsh-regulations-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

City of Winnipeg Lighting Visibility Standard= <http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

- 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 **Amphibious All-Terrain Vehicle**, 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 **Amphibious All-Terrain Vehicle** 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 **Amphibious All-Terrain Vehicle** shall have five (5) years continuous experience manufacturing **Amphibious All-Terrain Vehicle**.

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 **SPECIFICATIONS:**

| | | | |
|-------|-------------------|---|-------|
| 10.1 | Engine | Approx. 750cc, liquid cooled 30 hp, 4 cycle overhead valve, V-Twin gasoline engine, electronic fuel injection (EFI), full pressure lubrication and V-twin cylinders | _____ |
| 10.2 | Alternator | 60 amp | _____ |
| 10.3 | Battery | With battery shut-off. State , CCA. | _____ |
| 10.4 | Starting | Electric start. | _____ |
| 10.5 | Service brakes | Hydraulic. | _____ |
| 10.6 | Steering brakes | Hydraulic. Independent steering brakes with dedicated master cylinders. | _____ |
| 10.7 | Steering | Multi-position, one-piece ergonomic handlebar steering control features hand brake. | _____ |
| 10.8 | Controls | Right-hand twist grip throttle. Light switch and ignition switch. | _____ |
| 10.9 | Clutch | Belt-driven, Continuously Variable Transmission (CVT) with heavy duty drive belt. | _____ |
| 10.10 | Transmission | Triple differential steering transmission with independent High and Low range; Forward, Neutral, Reverse. | _____ |
| 10.11 | Drive system | Chains drive machined sprockets. 1 1/2" diameter axle supported by dual taper roller bearings in an aluminium housing. Axles are prefilled with gear oil for lubrication. Heavy duty roller chain with automatic, spring loaded tensioners. | _____ |
| 10.12 | Frame | Formed steel channel construction, welded for high strength and durability. Polyester powder coated. | _____ |
| 10.13 | Body construction | Vacuum formed High Molecular Weight Polyethylene. | _____ |
| 10.14 | Skid plate | Full length skid plate | _____ |
| 10.15 | Load capacity | Approx. 1500 lbs. (land). | _____ |
| 10.16 | Towing capacity | Approx. 2000 lbs. | _____ |

| | | | |
|-------|-------------------------------|---|-------|
| 10.17 | Cargo area size | Capable of holding a solution tank 48" L x 31" W x 12" H), state cargo bed dimensions. | _____ |
| 10.18 | Seating capacity | Two (2) adults. | _____ |
| 10.19 | Fuel capacity | Approx. 9.5 US gallons (36 L) polyethylene fuel tank. | _____ |
| 10.20 | Travel speed | Approx. 27 km/h on land, 5 km/h on water. | _____ |
| 10.21 | Instrumentation | Analog Gauge Cluster, Speedometer with digital odometer, Voltmeter, Hour Meter, Tachometer, Low Oil Pressure, Fuel Level Gauge, Water Temp Indicator and Parking Brake Reminder Lights, Check Engine Light. | _____ |
| 10.22 | Wheels | Eight wheels (8X8) | _____ |
| 10.23 | Tires | AT189 25 x 12.00-9NHS. | _____ |
| 10.24 | Spare tire and rim | One (1) | _____ |
| 10.25 | Body colour | State available exterior colors. | _____ |
| 10.26 | ROPS | Roll Over Protection System with 2 seat belts. | _____ |
| 10.27 | Windshield | Scratch-resistant acrylic in an aluminum frame, features fold over hinge for storage with windshield wiper with washer kit. | _____ |
| 10.28 | Hard top roof | With canvas roll up side & rear panels, zippered windows and storage pouch. | _____ |
| 10.29 | Bilge pump kit | Built in. | _____ |
| 10.30 | Cargo tie down kit | Required. | _____ |
| 10.31 | Hand rails | Securely mount to the upper body used as a hand hold for rear passengers, or a tie down point to secure rear cargo. | _____ |
| 10.32 | Brush guard | Required | _____ |
| 10.33 | Winch | Front mounted 4500 lbs. capacity, reversing with freewheeling feature. Comes with 40' (12 m) cable with 30' (9 m) nylon strap. | _____ |
| 10.34 | Rear hitch | Required. | _____ |
| 10.35 | Tow hooks | Required. | _____ |
| 10.36 | Auto chain lubrication system | Automatically delivers chain lube every 15 minutes of vehicle operation for a total spray time of 5 seconds. | _____ |

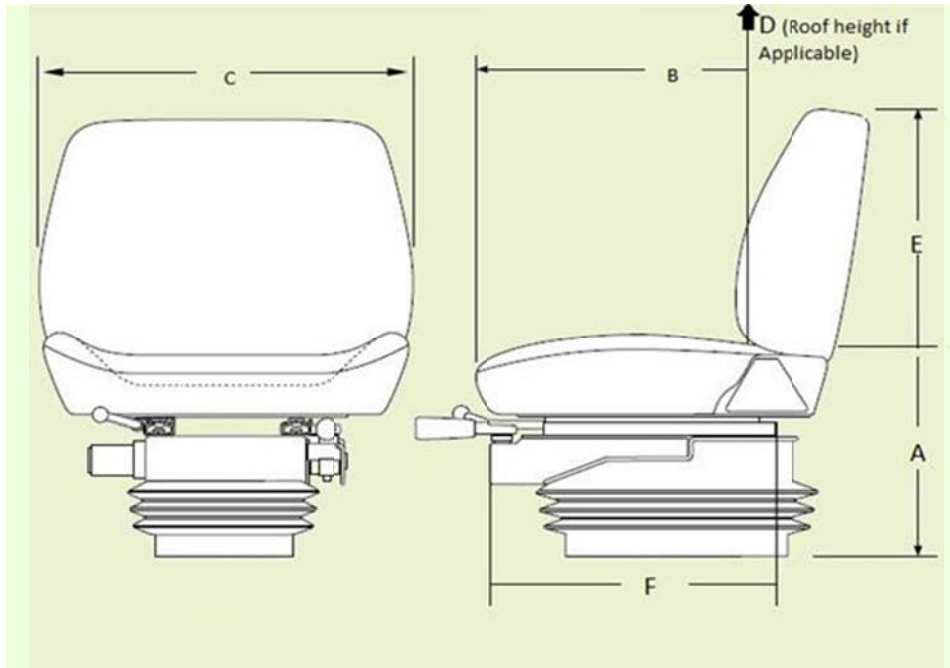
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|-------|-------------------|--|-------|
| 10.37 | Rubber track kit | Heavy duty 18" (457 mm) wide rubber track. | _____ |
| 10.38 | Lights | Brake/tail light kit. | _____ |
| 10.39 | Fire Extinguisher | Two and a half (2.5) lbs. High volume ABC type securely mounted with quick release, State location | _____ |
| 10.40 | Back-up alarm | State dB. | _____ |
| 10.41 | Lighting | Hazard and signal Lights | _____ |
| 10.42 | Safety lighting | Lights shall be Hella MLB 100, model# H27996001 (Class 1 LED) mini light bar or equivalent. Light to be located on rear ROPS/roof to achieve 360 degree visibility and wired to the ignition. Unit must also come with safety guard for the light. | _____ |

OPERATOR STATION ERGONOMICS

Entry/ Exit

| | | | |
|-------|------------------------------|--|-------|
| 10.43 | First step entry height | State , height of first step in inches | _____ |
| 10.44 | First handhold entry height | State , first handhold entry height in inches | _____ |
| 10.45 | Access to equipment | State , door opening height in inches | _____ |
| 10.46 | Access to equipment | State , door opening width in inches | _____ |
| 10.47 | Designed to prevent slipping | Anti-slip steps/handholds (Y or N)? | _____ |

Seat (use below diagram to answer questions)



- | | | | |
|-------|---|---|-------|
| 10.48 | Sitting height range from floor (where feet rest) (A) | State , seat height range in inches | _____ |
| 10.49 | Seat length/depth (B) | State , seat length/depth in inches | _____ |
| 10.50 | Seat width (C) | State , seat width in inches | _____ |
| 10.51 | Cab height from seat to roof (if applicable) (D) | State , cab height range in inches | _____ |
| 10.52 | Back rest height (E) | State , back rest height in inches | _____ |
| 10.53 | Seat travel range (F) | State , seat travel in inches | _____ |
| 10.54 | Lumbar support | Is lumbar support provided (Y or N)? | _____ |
| 10.55 | Head rest | Is head rest provided (Y or N)? | _____ |
| 10.56 | Seat is made of breathable material | State , type of seat material | _____ |

Operation

- | | | | |
|-------|--|--|-------|
| 10.57 | a) Reaching distance to usual work | State , reaching distance in inches | _____ |
| 10.58 | b) Maximum reaching distance | State , maximum reach distance in inches | _____ |
| 10.59 | Adjustable pedals (accelerator/brake/clutch) | Are pedals adjustable (Y or N)? | _____ |
| 10.60 | Adjustable steering wheel | Is steering wheel adjustable (Y or N)? | _____ |
| 10.61 | Adjustable shoulder belt | Is belt adjustable and anchored (Y or N)? | _____ |

11.0 **WARRANTY**

- 11.1 The Contractor shall warrant the vehicle 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 one (1) year, "bumper to bumper", (3) years unlimited hours on engine no deductible, state warranty details** _____

12.0 **DELIVERY**

- 12.1 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 185 Tecumseh Street, Winnipeg MB. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order _____
- 12.2 Delivery Time: To be delivered within the approximate time frame **March 1 to 15, 2017**. Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. _____
- 12.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____
- 12.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

13.0 **MANUALS**

- 13.1 Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD or USD flash drive is preferred where available. _____
- 13.2 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 or USB flash drive are preferred. _____

14.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

- 14.1 In order to assure minimum downtime of the equipment in future service, the Contractor shall provide one (1) complete replacement set of new OEM filters and belts for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing. The required set of belts shall include, alternator, water pump, and power steering or otherwise all known necessary replacement belts used on the equipment.
- 14.2 The Contractor shall provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during preventative maintenance servicing.

FORM N: DETAILED SPECIFICATIONS 16065

4X4 SIDE-BY-SIDE ALL-TERRAIN VEHICLE

1.0 SCOPE

- 1.1 These specifications describe a **4X4 Side-By- Side All-Terrain Vehicle** and other equipment and features as specified herein.
- 1.2 The **4X4 Side-By- Side All-Terrain Vehicle** shall be a new 2016 or newer model year.
- 1.3 The **4X4 Side-By- Side All-Terrain Vehicle** 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 **Diesel Utility Vehicle and all its components and attachments** shall comply with the applicable regulations:

Highway Traffic Act: web2.gov.mb.ca/laws/statutes/ccsm/ho6oe.php

Manitoba Motor Vehicle Act: web2.gov.mb.ca/laws/statutes/ccsm/d104e.php

Transport Canada: www.tc.gc.ca/eng/menu.htm

National Safety Mark, NSM = laws-lois.justice.gc.ca/eng/acts/M-10.01/page-2.html

Manitoba/Winnipeg Safety and Health Act, Parts 22, [safemanitoba.com/wsh-regulations and http://www.gov.mb.ca/labour/safety/](http://safemanitoba.com/wsh-regulations-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

City of Winnipeg Lighting Visibility Standard= <http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

- 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 **4X4 Side-By- Side All-Terrain Vehicle**, 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 **4X4 Side-By- Side All-Terrain Vehicle** 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 **4X4 Side-By- Side All-Terrain Vehicle** shall have five (5) years continuous experience manufacturing **4X4 Side-By- Side All-Terrain Vehicle**.
- 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 **SPECIFICATIONS:**

| | | | |
|-------|------------------------------|---|-------|
| 10.1 | Engine | Approx. 700-800cc V-Twin, 4-stroke, liquid cooled, OHV (Overhead Valve) with electronic fuel injection (EFI). | _____ |
| 10.2 | Drive train | Selectable 2wd/4wd with locking rear differential. Auto locking front differential. | _____ |
| 10.3 | Transmission/Final drive | Automatic continuously variable transmission, (CVT) with hi and lo range. | _____ |
| 10.4 | Dimensions | Approx. 152"L x 64"W x 77"H | _____ |
| 10.5 | Front suspension | Independent | _____ |
| 10.6 | Rear suspension | Independent | _____ |
| 10.7 | Brakes | Foot-activated 4-wheel hydraulic disc, Stainless steel lines | _____ |
| 10.8 | Parking brake | Required. | _____ |
| 10.9 | Steering | Power steering | _____ |
| 10.10 | Tires | All-Terrain Front Tires 26 x 9-12; PXT All-Terrain Rear Tires 26 x 11-12;PXT | _____ |
| 10.11 | Ground clearance | Approx. 10 inches. | _____ |
| 10.12 | Cargo box | With dump feature | _____ |
| 10.13 | Cargo box size | Approx. 38"L x 54"W x 12"H | _____ |
| 10.14 | Payload capacity (cargo box) | Approx. 1000 lbs. | _____ |
| 10.15 | Towing capacity | Approx. 2000 lbs. | _____ |
| 10.16 | Payload capacity | Approx. 1500 lbs. | _____ |
| 10.17 | Fuel Capacity | Approx. 10 US gallons (40L) | _____ |
| 10.18 | Dry weight | Approx. 1900 lbs. | _____ |
| 10.19 | Seating capacity | Four (4) | _____ |
| 10.20 | 12 volt power outlet | Located in console | _____ |
| 10.21 | Instrumentation | Multi-function speedometer: fuel, speed, Hour meter, odometer, trip, Illuminated parking brake indicator, 4WD engagement indicator, EFI diagnostic codes, gear selection, Clock | _____ |

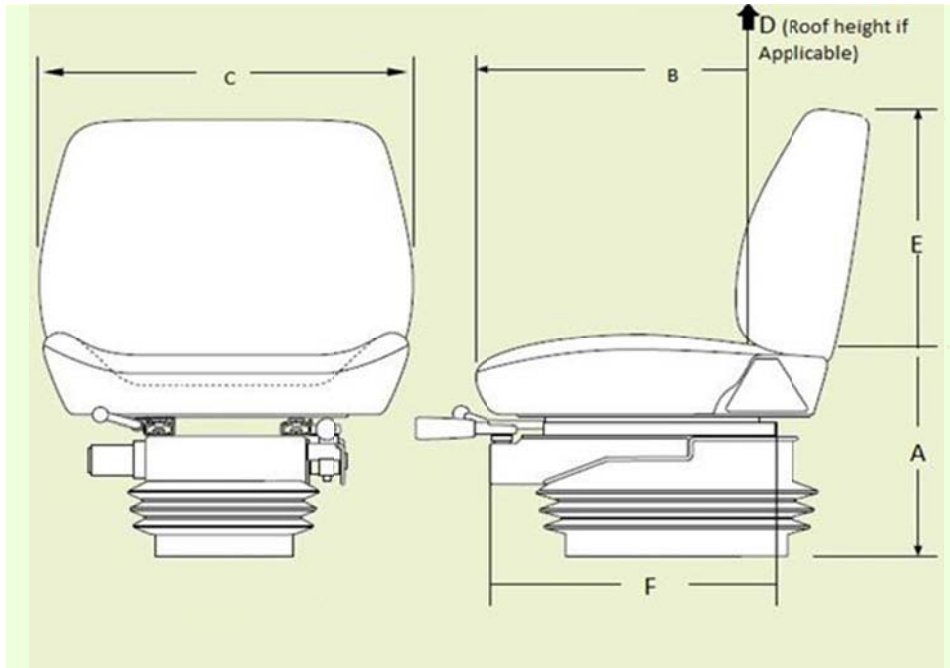
| | | | |
|-------|---------------------------------|---|-------|
| 10.22 | Winch | 4500 lbs. winch with the front receiver kit Removable from front to rear of unit. | _____ |
| 10.23 | Colour | State available exterior colors. | _____ |
| 10.24 | Hard body cab | With removable doors. | _____ |
| 10.25 | Front and rear receiver hitches | 2 inch hitch receiver | _____ |
| 10.26 | Windshield | With wiper and washer system | _____ |
| 10.27 | Skid plates | Full skid plate | _____ |
| 10.28 | Lights | Front twin halogen headlights (hi/lo beam), tail and brake lights. | _____ |
| 10.29 | Fire Extinguisher | Two and a half (2.5) lbs. High volume ABC type securely mounted with quick release, State location | _____ |
| 10.30 | Back-up alarm | State dB. | _____ |
| 10.31 | Lighting | Hazard and signal Lights | _____ |
| 10.32 | Safety lighting | Slow Moving sign rear mounted with safety lighting. Lights shall be Hella MLB 100, model# H27996001 (Class 1 LED) mini light bar or equivalent. Light to be located on rear ROPS/roof to achieve 360 degree visibility and wired to the ignition. Unit must also come with safety guard for the light. | _____ |

OPERATOR STATION ERGONOMICS

Entry/ Exit

| | | | |
|-------|------------------------------|---|-------|
| 10.33 | First step entry height | State , height of first step in inches | _____ |
| 10.34 | First handhold entry height | State , first handhold entry height in inches | _____ |
| 10.35 | Access to equipment | State , door opening height in inches | _____ |
| 10.36 | Access to equipment | State , door opening width in inches | _____ |
| 10.37 | Designed to prevent slipping | Anti-slip steps/handholds (Y or N)? | _____ |

Seat (use below diagram to answer questions)



- | | | | |
|-------|---|---|-------|
| 10.38 | Sitting height range from floor (where feet rest) (A) | State , seat height range in inches | _____ |
| 10.39 | Seat length/depth (B) | State , seat length/depth in inches | _____ |
| 10.40 | Seat width (C) | State , seat width in inches | _____ |
| 10.41 | Cab height from seat to roof (if applicable) (D) | State , cab height range in inches | _____ |
| 10.42 | Back rest height (E) | State , back rest height in inches | _____ |
| 10.43 | Seat travel range (F) | State , seat travel in inches | _____ |
| 10.44 | Lumbar support | Is lumbar support provided (Y or N)? | _____ |
| 10.45 | Head rest | Is head rest provided (Y or N)? | _____ |
| 10.46 | Seat is made of breathable material | State , type of seat material | _____ |

Operation

- | | | | |
|-------|--|--|-------|
| 10.47 | a) Reaching distance to usual work | State , reaching distance in inches | _____ |
| 10.48 | b) Maximum reaching distance | State , maximum reach distance in inches | _____ |
| 10.49 | Adjustable pedals (accelerator/brake/clutch) | Are pedals adjustable (Y or N)? | _____ |
| 10.50 | Adjustable steering wheel | Is steering wheel adjustable (Y or N)? | _____ |
| 10.51 | Adjustable shoulder belt | Is belt adjustable and anchored (Y or N)? | _____ |

11.0 **WARRANTY**

- 11.1 The Contractor shall warrant the vehicle 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 one (1) year, “bumper to bumper” no deductible, state warranty details _____

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- 14.2 The Contractor shall provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during preventative maintenance servicing.