

FORM N: DETAILED SPECIFICATIONS 21041

UTILITY VEHICLE

1. INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 1.1 All items in these specifications should be answered indicating compliance or non-compliance.
- 1.2 **Bidder 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 specifications is used, the City will also consider deviations and/or equivalents.
- 1.3 Lengthy explanations of deviations may be included in a separate document and must reference the appropriate Detailed Specification.
- 1.4 Each Proponent is required to fill in every blank. Failure to do so may be used as a basis for rejection of bid.
- 1.5 It will be the responsibility of the Proponent to inform the City of any errors or omissions in these Detailed Specifications, for under this Contract, the Contractor shall be held responsible to ensure that the manufacturer will be responsible for the design, performance, reliability and satisfactory operational function of the unit.

2. DESCRIPTION OF EQUIPMENT

- 2.1 These specifications describe **Utility Vehicle** and other equipment and features as specified herein.
- 2.2 The **Utility Vehicle** shall be a new **2021** model year or newer.
- 2.3 The **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.
- 2.4 The ratings specified herein merely state the minimum values acceptable to the City, not implying that those values are sufficient for the design of the particular equipment being bid.

3. OTHER SPECIFICATIONS AND STANDARDS

- 3.1 All applicable SAE Standards form an integral part of the vehicle specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 3.2 Where applicable, the **Utility Vehicle** shall comply with the applicable regulations:

Transport Canada, National Safety Mark, NSM:
<http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>

Manitoba Safety and Health Regulation, Parts 12, 16, 22:
https://www.gov.mb.ca/labour/safety/pdf/1_2016_wsh_ar_oc.pdf

Canadian Motor Vehicle Safety Standards C.M.V.S.S.
http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html

Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker.
<http://web2.gov.mb.ca/laws/regs/index.php?act=h60>

Canadian Standards Association, CSA:
<http://www.csagroup.org/>

Under Writers of Canada, U/L:
<http://www.ulc.ca/>

Society of Automotive Engineers, SAE:
<http://www.sae.org/>

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

Manitoba Building Code:
<https://web2.gov.mb.ca/laws/regs/current/pdf-regs.php?reg=31/2011>

4. FUEL

4.1 Where applicable, the equipment shall be fully fuelled upon delivery (no exceptions).

5. REFERENCES

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

6. MAKE & MODEL

6.1 State year, make and model being bid:

Model Year: _____

Make: _____

Model: _____

7. PERFORMANCE RELIABILITY

7.1 The responsibility for the design of the **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 **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. SERVICE FACILITY

- 8.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility. 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

9. QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the Utility Vehicle shall have five (5) years continuous experience manufacturing 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.
- 9.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining Utility Vehicle of the type being offered.

10. SPECIFICATIONS

Make and Model

10.1 Vehicle Make **State:** make: _____

10.2 Vehicle Model **State:** model: _____

Engine

10.3 Type 4-Cycle diesel engine
State: _____

10.4 Cylinders 3-Cylinder
State: _____

10.5 Displacement Approximately 52 – 68 cu in. (850 – 1125 cc)
State: displacement: _____

10.6 Horsepower Approximately 20 - 25 hp
State: horsepower: _____

Alternator

10.7 Capacity Approximately 55 - 60 amps
State: _____

Battery

10.8 Capacity Approximately 480 – 650 CCA
State: CCA: _____

Bumper

10.9 Bumper

- Heavy duty front
- Protects front grille and hood

State: _____

Cargo Box

10.10 Type Hydraulic-lift cargo box _____

10.11 Material **State:** _____

10.12 Liner Factory spray-on _____

10.13 Tailgate Removable _____

10.14 Length Approximately 40 - 45 in. (1016 – 1143 mm)
State: length: _____

10.15 Width Approximately 52 - 58 in. (1320 - 1473 mm)
State: width: _____

10.16 Depth Approximately 11 - 12 in. (280 - 304 mm) _____
State: depth: _____

10.17 Cargo Box Capacity Approximately 1000 – 1100 lbs. (454 – 500 kg) _____
State: capacity: _____

Chassis, Axle and Brakes

10.18 Steering Type Hydrostatic or Electric Power Steering with tilt _____
State: steering type: _____

10.19 Front Suspension Independent _____
State: _____

10.20 Rear Suspension Independent _____
State: _____

10.21 Differential - Front Axle Limited-slip front differential _____
State: type: _____

10.22 Differential - Rear Axle Locking rear differential _____
State: type: _____

10.23 Brakes **State:** type: _____

10.24 Parking Brake Hand operated _____

Cooling System - Engine

10.25 Cooling System Liquid _____
State: type: _____

Dimensions

10.26 Overall Height Approximately 78 in (1980 mm) _____
State: height: _____

10.27 Overall Length Approximately 122 – 127 in. (3099 - 3225 mm) _____
State: length: _____

10.28 Overall Width Approximately 63 in. (1600 mm) _____
State: width: _____

10.29 Wheelbase Approximately 80 – 85 in. (2032 – 2159 mm) _____
State: wheelbase: _____

10.30 Ground Clearance Approximately 10 in. (254 mm) _____
State: ground clearance
Front: _____
Rear: _____

10.31 Payload Capacity Approximately 1500 lbs. (680 kg) _____
State: capacity: _____

Drivetrain / Transmission

- 10.32 Transmission Type Variable Hydrostatic Transmission _____
- 10.33 Gear Selection
 - Two (2) forward speeds (high and low)
 - Neutral
 - Reverse**State:** _____
- 10.34 Control Type Accelerator and Brake pedals _____
- 10.35 Drive Wheels (Selectable) 4, 4WD, w/2WD selection _____
State: available selections: _____

Exhaust / Muffler

- 10.36 Muffler Spark arresting _____

Fuel System

- 10.37 Fuel Type Diesel _____
- 10.38 Fuel Tank Capacity **State:** capacity: _____

Instrumentation / Gauges

- 10.39 Check all that apply: _____
 - Speedometer • _____
 - Odometer • _____
 - Hour Meter • _____
 - Fuel Gauge • _____
 - 4WD Indicator • _____
 - Coolant Temperature Gauge • _____
 - Parking Brake Indicator • _____
 - Engine Oil Pressure • _____
 - Electrical Charge Status • _____
 - Low Brake Fluid Level • _____
 - Turn Signal Indicator • _____

Lights

- 10.40 Standard City of Winnipeg Lighting Visibility Standard _____
- 10.41 Lighting
 - Headlights
 - Turn signals
 - Tail lights
 - Brake lights
 - Hazards**State:** type of headlights – LED or Halogen _____

- 10.42 Amber Strobes _____
- Class 1 LED
 - Grote 77463 LED Directional Warning Light complete with mounting grommets
- OR
- Whelen TIR3 LED Amber lights complete with mounting grommets
 - Qty six (6) to achieve 360-degree visibility
 - Two (2) front, two (2) back and one (1) each side
 - Wired directly to the ignition i.e. no switch

Location to be determined at pre-production meeting

Roof

- 10.43 FOPS Canopy _____
- Falling Object Protective Structure (FOPS)
 - Metal

Safety Equipment

- 10.44 ROPS _____
- Roll Over Protective System (ROPS)

- 10.45 Battery Disconnect Switch _____
- Lockable with padlock

- 10.46 Seat Belts _____
- 2-point Retractable

- 10.47 Grab Handles for Entry / Exit _____
- Driver and passenger

- 10.48 Horn _____
- Horn
State: location: _____

- 10.49 Slow Moving Vehicle Sign _____
- Mounted

- 10.50 Back-Up Alarm _____
- Approximately 97 – 112 dB
 - Protected from damage
- State:** dB(A): _____

- 10.51 Fire Extinguisher _____
- 2.5 lbs.
 - High volume ABC type
 - Securely mounted with quick release

Seating

- 10.52 Capacity _____
- Seating capacity for two (2)

- 10.53 Type _____
- Bench or bucket
State: type: _____

Steering

- 10.54 Steering _____
- Power
State: type: _____

Tires

10.55	Front	Turf State: size: _____	_____
10.56	Rear	Turf State: size: _____	_____
10.57	Spares	One (1) of each with rims	_____

Towing

10.58	Hitch	<ul style="list-style-type: none">• Front and back• Receiver hitch required with 7/8 in. ball	_____
10.59	Towing Capacity	Approximately 1300 - 2000 lbs. (590 – 907 kg) State: capacity: _____	_____

Travelling Speeds

10.60	Forward	Approximately 0 - 25 mph (40 km/h) State: speeds: _____	_____
10.61	Reverse	Approximately 0 - 12 mph (0 - 20 km/h) State: speeds: _____	_____

Winch

10.62	Winch Kit	<ul style="list-style-type: none">• Approximately 3500 - 4000 lbs. (1588 – 1815 kg) capacity• Front Mounted• Supply and install all necessary mounting hardware State: capacity: _____	_____
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11.0 **WARRANTY:**

11.1 All warranty information shall be detailed and **include all exclusions.** _____

The Contractor shall provide all published warranty information upon delivery of the equipment.

Bidder shall state all warranty information.

11.2 The warranty for the **Utility Vehicle** shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials. _____

Any equipment that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City.

The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg

11.3 Basic Vehicle (Comprehensive) **State:** Terms: _____

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.V.I.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB.

12.2 **Delivery Time:** _____

Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.

State: earliest delivery time from date of award: _____

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:** _____

The following manuals shall be supplied with the units when delivered:

Operator – Two (2) Copies

- One (1) copy shall be sent to the Equipment Operator Training Branch
- One (1) copy to be left with the equipment

Parts and Service

- One (1) complete set including preventative maintenance schedules

Note: CD or USB flash drive is preferred where available.

14.0 **PARTS/LABOUR PRICING:**

14.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. _____

State: percentage discount: _____

14.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from retail shop labor rate. _____

State: percentage discount: _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

15.1 If applicable, in order to assure minimum downtime of the Equipment in future service, the Contractor must provide one (1) complete replacement set of new OEM filters for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, transmission, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing and first transmission service. _____

15.2 The Contractor must 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. _____