

FORM N(R1): DETAILED SPECIFICATIONS 22033

3-WHEELED SPORTS FIELD GROOMER

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 **3-Wheeled Sports Field Groomer** and other equipment and features as specified herein.
- 2.2 The **3-Wheeled Sports Field Groomer** shall be a new **2022** model year or newer.
- 2.3 The **3-Wheeled Sports Field Groomer** 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 **3-Wheeled Sports Field Groomer** 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.
[Motor Vehicle Safety Regulations \(justice.gc.ca\)](http://www.justice.gc.ca/eng/acts-regulations/motor-vehicle-safety-regulations.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:
[Underwriters Laboratories of Canada \(ULC\)](#)
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 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 **3-Wheeled Sports Field Groomer**, 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 **3-Wheeled Sports Field Groomer** 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 3-Wheeled Sports Field Groomer shall have five (5) years continuous experience manufacturing 3-Wheeled Sports Field Groomer.

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 3-Wheeled Sports Field Groomer of the type being offered.

10. SPECIFICATIONS

10.0 **Requirement:** _____

3-Wheeled Sports Field Groomer with the following attachments:

- Front Hydraulic Flex Blade
- Flex Groomer
- Nail Drag
- Automat Drag Mat

10.1 Equipment Make **State:** make: _____

10.2 Equipment Model **State:** model: _____

10.3 Equipment Model Year **State:** model year: _____

Engine

10.4 Type Vanguard, V-Twin cylinder, 4-cycle or equivalent
State:
Type: _____

10.5 Horsepower Approximately 18 HP (13.4 kW)
State: horsepower: _____

10.6 Displacement Approximately 34.78 (570 cc)
State: displacement: _____

10.7 Hour Meter Hour meter _____

10.8 Ignition Electronic _____

10.9 Mounting Base mounted engine and pump
Four (4) isolation mounts _____

10.10 Cooling System Air-cooled _____

10.11 Engine Lubrication Full pressure lubrication _____

10.12 Oil Filter Oil filter _____

10.13 Oil Capacity Approximately 1.75 quart (1.8 litre) _____
State: capacity: _____

Air Cleaner System

10.14 Air Cleaner

- Engine mounted
- Remote air intake

State: system details: _____

Electrical

10.15 Battery

- 12-Volt
- 15 Amps
- CCA

State:
Volt: _____
Amp: _____
CCA: _____

10.16 Starter

- Electronic ignition
- 12-Volt electric
- Dash mounted ignition switch
- Neutral interlock switch
- Seat switch
- Provision for light kit

Fuel

10.17 Fuel Tank Capacity Approximately 5.0 US Gallon (18.9 litre) _____
State: capacity: _____

Note: Fully fuelled upon delivery

Traction Drive

10.18 System Variable displacement hydraulic pump _____

10.19 Hydraulic Cooling System Full flow filter with oil cooler _____

10.20 Hydraulic System Capacity Approximately 5.0 US Gallon (18.9 litre) _____
State: capacity: _____

10.21 Ground Speed Approximately:

- Forward speed 0 – 16 km/h
- Reverse speed 0 – 7 km/h

Tires

10.22 Tires Turf
State: type and size: _____

Brakes

10.23 Service Brakes Hydrostatic
State: type: _____

10.24 Parking Brake Hand operated _____

Steering

10.25 Steering Hydraulic power steering _____

Controls

10.26 Controls

- Hand operated choke, throttle, and hydraulic control for raising/lowering with float
- Foot pedal controls traction forward and reverse operations
- Front and rear hydraulic lift and lower controls

Seat

10.27 Seat

- High back cushion with drain hole
- Front-back adjustment
- Arm rests

Dimensions

10.28 Width Approximately 58 in. (1470 mm)
State: width: _____

10.29 Length Approximately 67.5 in. (1715 mm)
State: length: _____

10.30 Height Approximately 45.25 in. (1149 mm)
State: height: _____

10.31 Wheelbase Approximately 42.75 in. (1080 mm)
State: wheelbase: _____

10.32 Ground Clearance Approximately 6.0 in. (152 mm)
State: clearance: _____

10.33 Weight (Dry) Approximately 930 lbs. (422 kg)
State: dry weight: _____

Attachments

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

10.34 Quick Attach System

- Front
- Rear

10.35 ~~Rear Remote Hydraulics~~ ~~• Quick-connect design~~ _____

10.36 ~~Remote Hydraulic Flow Switch Kit~~ ~~• Allow operator to toggle between rear and front powered attachments~~ _____

10.37 ~~Variable Orifice Kit~~ ~~• Slows hydraulic lift and lower for increased precision and accuracy when using attachments~~ _____

10.38 Front Lift Frame Assembly Front quick attach system mounting assembly and hydraulic components _____

10.39	Front Hydraulic Flex Blade	<ul style="list-style-type: none"> • Quick attach system compatible • Designed for leveling, packing, and smoothing uneven areas in one pass 	_____
10.40	Rear Nail Drag	<ul style="list-style-type: none"> • Quick attach system compatible • Pivots to follow the contours of uneven field surface • Use to scarify, loosen, or weed before smoothing • Easily adjust nail pattern and depth 	_____
10.41	Rear Flex Groomer	<ul style="list-style-type: none"> • Quick attach system compatible • Flexible • Approximately 72 in. (1820 mm) width • Mounts to nail drag for single-pass infield scarification and grooming • Lock-out position to restrict use without tools or removal 	_____
10.42	Rear Automat Drag Mat	<ul style="list-style-type: none"> • Quick attach system compatible • Approximate size 78 x 18 in. (1980 x 460 mm) • Steel drag mat is controlled by and works together with nail drag for single-pass scarification and finish grooming • Drag mat automatically engages the infield as the nail drag is lowered via the rear quick attach system • Lock-out position when use is not required 	_____
	Safety		
10.43	Beacon	<ul style="list-style-type: none"> • Amber LED Beacon • Class 1 • SWS 23815 or Grote 78033 • Wired directly to the ignition i.e. no switch. • Beacon must also come with a <u>safety guard</u> – Grote 98470 	_____
10.44	Fire Extinguisher	<ul style="list-style-type: none"> • 2.5 lbs. • High volume ABC type • Securely mounted with quick release 	_____
10.45	Battery Disconnect Switch	Lockable with padlock	_____
10.46	Horn	Horn	_____
10.47	Back Up Alarm	<ul style="list-style-type: none"> • Approximately 95 – 112 dB • Protected from damage State: dB(A): _____	_____
10.48	Slow Moving Vehicle Sign	Mounted	_____

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 **3-Wheeled Sports Field Groomer** 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. _____