

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF WIDE AREA MOWERS

2. Bidder

Name of Bidder

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

Street

City

Province

Postal Code

Email Address of Bidder

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

Contact Person

Title

Telephone Number

Facsimile Number

Email Address

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract By submitting a bid in response to this Tender, the Bidder certifies that it has read, understands, and agrees to the terms and conditions of this Tender and that the Tender, in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

| | | | |
|-----|-------|-------|-------|
| No. | _____ | Dated | _____ |
| | _____ | | _____ |
| | _____ | | _____ |

9. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Indigenous Self-Declaration The City is requesting that Bidders identify if their business is at least 51% owned by one or more Indigenous persons of Canada.

YES, 51% or more Indigenous ownership

NO, it is not

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

11. Signatures

The Bidder or the Bidder's authorized official or officials have signed this

_____ Day of _____, 20_____.

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES

(See B9)

SUPPLY AND DELIVERY OF WIDE AREA MOWERS

UNIT PRICES

| ITEM NO. | DESCRIPTION | SPEC. REF. | UNIT | QUANTITY | UNIT PRICE |
|----------|-----------------|------------|------|----------|------------|
| 1. | Wide Area Mower | 19027 | Each | 3 | |

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 19027

Wide Area Mower

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe a Wide Area Mower and other equipment and features as specified herein.
- 1.2 The Wide Area Mower shall be a new 2019 model year or newer.
- 1.3 The Wide Area Mower 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.
- 1.4 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.

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 Where applicable, the Wide Area Mower 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:
<http://web2.gov.mb.ca/laws/regs/current/217.06.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

- 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. 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 If available, please provide five (5) 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** year, make and model being 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 and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specification is used, the City will also consider deviations and/or equivalents.

- 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 **Wide Area Mower** 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 **Wide Area Mower** 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 fueled upon delivery (no exceptions).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

9.1 The manufacturer of the **Wide Area Mower** shall have five (5) years continuous experience manufacturing **Wide Area Mower**.

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 **Wide Area Mower** of the type being offered.

10.0 SPECIFICATIONS:

Make and Model

10.1 Make **State:** _____

10.2 Model **State:** _____

Key Dimensions

10.3 Cutting Width Approximately 11 ft. (3.35 m) _____

10.4 Centre Deck Cutting Width Approximately 62 in. (1575 mm)
State: _____

10.5 Wing Deck Cutting Width Approximately 42 in. (1067 mm)
State: _____

10.6 Centre Deck + One (1) Wing Deck Cutting Width Approximately 94 in. (2388 mm)
State: _____

10.7 Transport Width Approximately 71 – 84 in. (1803 - 2134 mm)
State: _____

All Season Cab

10.8 Cab Factory installed _____

10.9 ROPS Required _____

10.10 Climate Control Air conditioning and heating _____

10.11 Windows Opening front and rear windows _____

10.12 Wiper/Washer Exterior, front mounted _____

| | | | |
|-------|--------------------|--|-------|
| 10.13 | Mirrors | <ul style="list-style-type: none">• Interior rear view• Exterior side | _____ |
| | Blades | | |
| 10.14 | Blades | Flat Blades (not mulching blades) <ul style="list-style-type: none">• Three (3) for center deck• Two (2) each for wing deck State: type and quantity | _____ |
| 10.15 | Extra Flat Blades | (1) extra set of flat (not mulching) blades | _____ |
| 10.16 | Blade Length | State: | _____ |
| 10.17 | Blade Width | Approximately 2.5 in. (64 mm) State: | _____ |
| 10.18 | Blade Thickness | State: thickness | _____ |
| 10.19 | Blade Tip Speed | State: | _____ |
| 10.20 | Interchangeability | Interchangeable mower blades between all decks State: | _____ |
| | Brakes | | |
| 10.21 | Brakes | Internal wet disk | _____ |
| 10.22 | Steering Brakes | Individual Foot Operated State: | _____ |
| 10.23 | Parking Brake | Hand brake State: | _____ |
| | Controls | | |
| 10.24 | Throttle | Electronic 3 Position or Variable | _____ |
| 10.25 | Forward/Reverse | Electronic Single Pedal or Two-Pedal State: | _____ |
| 10.26 | Mower Lift | Electro Hydraulic Switches or Hand operated Levers State: | _____ |
| 10.27 | LCD Display | Onboard LCD display shows: <ul style="list-style-type: none">• Gauges• Alerts/faults• Service reminders• Electrical system diagnostics. | _____ |

| | | | |
|-------|---|--|-------|
| 10.28 | Indicators | Indicators for: <ul style="list-style-type: none"> • Fuel level • Coolant temperature • Intake temperature • Oil pressure • Alternator • Engine hours • Engine rpm • Hydraulic oil temperature • Voltage | _____ |
| 10.29 | Diagnostic Control | Onboard diagnostics for engine and hydraulics | _____ |
| | Dimensions | | |
| 10.30 | Wheel Base | State: | _____ |
| 10.31 | Overall Length (with deck) | State: | _____ |
| 10.32 | Overall Width | State: | _____ |
| 10.33 | Height (Include Rollover Protection Structure) | State: | _____ |
| 10.34 | Weight | State: | _____ |
| 10.35 | Ground Clearance | State: | _____ |
| | Drivetrain | | |
| 10.36 | Transmission | Hydrostatic | _____ |
| 10.37 | Transaxle Type | Dual Range Hi/Lo State: | _____ |
| 10.38 | Transaxle | Planetary gear type, with double reduction State: | _____ |
| 10.39 | Drive System | 4WD | _____ |
| 10.40 | 4WD Drive Type | Parallel hydrostatic, closed loop | _____ |
| 10.41 | Differential Lock | State: type and location | _____ |
| | Engine | | |
| 10.42 | Engine | Tier IV Final compliant | _____ |
| 10.43 | Horsepower | 55 HP – 60 HP (41 - 44 kW) State: horsepower @ rpm | _____ |
| 10.44 | Displacement | Approximately 127 cu.in (2.1 L) State: | _____ |
| 10.45 | Torque | 103 - 125 lb.-ft. (140 – 169 Nm) State: operating torque | _____ |
| 10.46 | Cylinders | Four (4) cylinder | _____ |

| | | | |
|--------------------------|---------------------------|--|-------|
| 10.47 | Starting Aid | Intake air heater or glow plugs State: | _____ |
| 10.48 | Rated Engine Speed | Approximately 2000 – 3000 rpm State: | _____ |
| 10.49 | Lubrication | Pressurized State: | _____ |
| 10.50 | Oil Filter | Replaceable, spin-on type State: | _____ |
| 10.51 | Cooling | Liquid Cooled State: type | _____ |
| 10.52 | Cooling System | Variable speed temperature actuated reversing fan State: capacity | _____ |
| 10.53 | Crankcase Capacity | State: | _____ |
| 10.54 | Air Cleaner | Dual Element, Dry Type State: | _____ |
| 10.55 | Air Restriction Indicator | Required | _____ |
| Electrical System | | | |
| 10.56 | Electrical | Charging system – Automotive type | _____ |
| 10.57 | Alternator | Approximately 75 - 80 amp State: | _____ |
| 10.58 | Battery Voltage | 12 volt State: CCA | _____ |
| Frame | | | |
| 10.59 | Frame | State: construction and thickness | _____ |
| Fuel System | | | |
| 10.60 | Type | Diesel | _____ |
| 10.61 | Fuel Injection | Direct fuel injection State: | _____ |
| 10.62 | Fuel Pump Type | Electronic High-Pressure Rail or Mechanical State: | _____ |
| 10.63 | Fuel Filter | Replaceable, spin-on type State: | _____ |
| 10.64 | Fuel Capacity | Approximately 21 US gal (79.5 L) State: | _____ |

Hydraulic System

| | | | |
|-------|------------------------------|---|-------|
| 10.65 | Hydraulic Filtration | State: type | _____ |
| 10.66 | Hydraulic Reservoir Capacity | Approximately 8 – 14 US gal (30 – 53L) State: | _____ |

Lighting

| | | | |
|-------|----------------|---|-------|
| 10.67 | Lighting - LED | <ul style="list-style-type: none"> • Headlights • Red and amber flashers • Turn signals • Tail lights • Brake lights State: | _____ |
|-------|----------------|---|-------|

Lubrication

| | | | |
|-------|--------------|--|-------|
| 10.68 | Grease Zerks | | _____ |
|-------|--------------|--|-------|

Due to operator safety requirements and convenience:

- All manual grease zerks shall be accessible to the operator (Excluding driveline)
- Hard to access and/or near a heat sources, a remote block with hydraulic lines shall be mounted to accommodate manual lubrication
- Remote block to be fitted with hydraulic lines with an approximately maximum working pressure of 5000 psi using #4 JIC fittings

State: quantity and locations

Mower Decks

| | | | |
|-------|-------------------|--|-------|
| 10.69 | Deck Sizes | State: Centre _____ Wing _____ | _____ |
| 10.70 | Deck Drive Type | State: type | _____ |
| 10.71 | Discharge | Rear | _____ |
| 10.72 | Deck Construction | State: construction type | _____ |
| 10.73 | Spindle Shaft | State: type and construction | _____ |
| 10.74 | Impact | Impact-absorbing wing deck system State: type | _____ |
| 10.75 | Deck Thickness | High strength steel with reinforced plates and bumpers State: Deck Thickness | _____ |
| 10.76 | Cut-Height Range | 1 – 6 in. (25 – 153 mm) height of cut adjustable in ½ in (13 mm) increments State: | _____ |
| 10.77 | Wing Deck Float | Approximately 45 degrees upward Approximately 20 degrees downward State: | _____ |
| 10.78 | Transport Lock | State: | _____ |

Mowing Rate

10.79 Mowing Rate **State:** Acres per hour _____
State: speed (mph) _____

Safety

10.80 Safety Safety certified and conform to ANSI
71.42004 Safety Certification
Specifications for Commercial Turf Care
Equipment) _____

10.81 ROPS Factory installed
State: _____

10.82 Fire Extinguisher
• ABC type (2 lb.)
• Securely mounted with quick release
State: location _____

10.83 Beacon
• HELLA MLB 10012-24VDC Part
#H27996011 LED Micro Light bar 12-
24V Magnetic Amber
• SAE Class 1
• Beacon to be located to achieve 360
degree visibility
• Wired directly to the ignition i.e. no
switch _____

10.84 Beacon Guard Required _____

10.85 Back Up Alarm Required
State: dB _____

10.86 Slow Moving Vehicle Sign Mounted _____

10.87 Noise Decibel Rating **State:** _____

Seat

10.88 Seat
• Air ride suspension
• Arm rests
• 4-Way adjustable with seat belt
• Seat to come with an extra seat belt
extension _____

Steering

10.89 Type Hydrostatic Steering With Tilt _____

10.90 Steering Wheel Tilt
State: _____

10.91 Turning Radius **State:** _____

Travel Speeds

10.92 Range **State:** _____

10.93 Low Forward Speed **State:** _____

10.94 High Forward Speed **State:** _____

- 10.95 Low Reverse Speed **State:** _____
- 10.96 High Reverse Speed **State:** _____
- Tires**
- 10.97 Tires **State:** size and ply _____
- 10.98 Spares One (1) of each front and rear complete with rims _____
- 10.99 Tread Turf Tires (spring, summer, fall application) _____
- 10.100 Caster Wheels All caster wheels to be solid/foam filled
State: dimensions _____
- 10.101 Spare Caster Wheels Spare set of (3) castor wheels. _____
- Towing**
- 10.102 Towing Provisions Towing Provisions required
State: _____
- 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 Basic Coverage **State:** _____
- 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 **Operator's Manual:** _____

Two (2) per unit shall be supplied with the units when delivered:

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 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, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing. _____

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. _____

16.0 **ERGONOMIC SPECIFICATIONS**

Entry/ Exit

16.1 First step entry height **State:** height of first step in inches _____

16.2 First handhold entry height **State:** first handhold entry height in inches _____

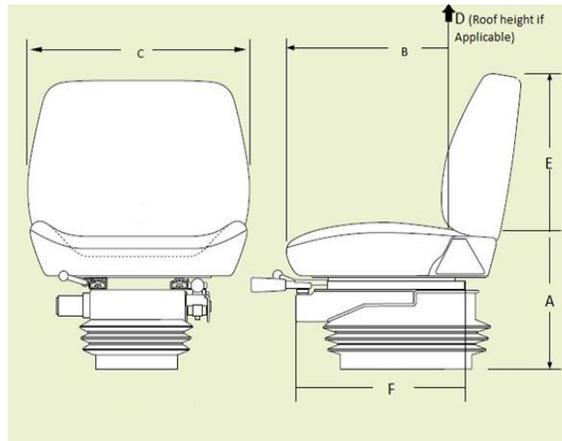
16.3 Access to equipment **State:** door opening height in inches _____

16.4 Access to equipment **State:** door opening width in inches _____

16.5 Designed to prevent slipping **Anti-slip steps/handholds (Y or N)?** _____

Seat

16.6 Use diagram to answer questions.



16.7 Sitting Height Range (from floor (where feet rest) (A))

State: seat height range in inches

16.8 Seat Length/Depth (B)

State: seat length/depth in inches

16.9 Seat Width (C)

State: seat width in inches

16.10 Cab Height (from seat to roof (if applicable) (D))

State: cab height range in inches

16.11 Back Rest Height (E)

State: back rest height in inches

16.12 Seat Travel Range (F)

State: seat travel in inches

16.13 Lumbar Support

Is lumbar support provided (**Y or N**)?

16.14 Head Rest

Is head rest provided (**Y or N**)?

16.15 Seat is made of breathable material

State: type of seat material

Operation

16.16 Reaching Distance (to usual work)

State: reaching distance in inches

16.17 Maximum Reaching Distance

State: maximum reach distance in inches

16.18 Adjustable Pedals (accelerator/brake/clutch)

Are pedals adjustable (**Y or N**)?

16.19 Adjustable Steering Wheel

Is steering wheel adjustable (**Y or N**)?

16.20 Adjustable Shoulder Belt

Is belt adjustable and anchored (**Y or N**)?

Cargo Area

16.21 Lid opens to provide adequate space Adequate space provided **(Y or N)**? _____

16.22 Loading Height **State:** trunk height in inches _____

Environment

16.23 Operator compartment is insulated from equipment noise (while operating) **State:** dB inside cab while operating _____

16.24 Operator insulated from equipment vibration Is operator insulated from vibration (Y or N)? _____

16.25 Heating/Cooling Systems **State:** cab temperature range _____

16.26 Cab Lighting **State:** lumens inside cab _____

Maintenance/ Inspection

16.27 Lift Assistance (when necessary) Is lift assistance provided **(Y or N)**? _____

16.28 Easy Access (to compartment doors) Is easy access provided **(Y or N)**? _____

16.29 Include any other relevant ergonomic specifications and applicable range of adjustment _____