

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF AG TRACTORS AND OUT-FRONT 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 The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

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

No.	Dated
_____	_____
_____	_____
_____	_____

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

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

YES, 51% or more Indigenous ownership

NO, it is not

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

11. Signatures

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

_____ day of _____, 20_____ .

Signature of Bidder or
Bidder's Authorized Official or Officials

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

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

FORM B: PRICES
 (See B9)

SUPPLY AND DELIVERY OF AG TRACTORS AND OUT-FRONT MOWERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Ag Tractor 20HP PTO (Cab) with Turf Tires	18043	each	1	
1a.	Option 1: Attachments Snow Blower (Front Mount) Rotary Broom (Front Mount)	18043	each	1 1	 _____ _____
2.	Ag Tractor 40HP PTO (Open Station)	18047	each	2	
2a.	Option 2: Front Weight Kit	18047	each	1	
3.	Ag Tractor 45HP PTO (Open Station)	18044	each	1	
3a.	Option 3: Front Weight Kit	18044	each	1	
4.	24-26 HP Open Station Out-Front Mower with 72" mower (cutting blades) mulching deck side discharge	18042	each	1	
4a.	Option 4: Snow Blower (Front Mount)	18042	each	1	
5.	24-26 HP Out-Front Tractor with Cab	18042	each	2	
5a.	Option 5: Attachments Snow Blower (Front Mount) Rotary Broom (Front Mount)	18042	each	3 3	 _____ _____

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 18043
AG TRACTOR (20HP PTO) WITH CAB

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an **Ag Tractor** and other equipment and features as specified herein.
- 1.2 The **Ag Tractor** shall be a new 2019 model year or newer.
- 1.3 The **Ag Tractor** 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 The **Ag Tractor** shall comply with the applicable regulations:

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

Manitoba Safety and Health Act, Parts 12, 22 =
<http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> 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://www.sae.org/>

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. Further to B9.1, 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) references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

5.0 MAKE & MODEL

- 5.2 **State** make, model and year 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 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 **Ag Tractor**, 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 **Ag Tractor** 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 **Ag Tractor** shall have five (5) years continuous experience manufacturing the equipment.
- 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 **Ag Tractor and associated attachments** of the type being offered.

10.0 SPECIFICATIONS:

ENGINE

- | | | | |
|------|---------------------|---|-------|
| 10.1 | Engine type | Diesel, state manufacturer. | _____ |
| 10.2 | Tier | Tier IV interim or final, state . | _____ |
| 10.3 | Engine HP (Gross) | Approx. 26 HP. | _____ |
| 10.4 | PTO HP | Approx. 19-20 HP. | _____ |
| 10.5 | Rated speed, RPM | State rated RPM Speed. | _____ |
| 10.6 | Air cleaner | Dry type air cleaner. | _____ |
| 10.7 | Fuel tank capacity | State capacity. | _____ |
| 10.8 | Throttle | Hand or foot throttle control, state . | _____ |
| 10.9 | Engine block heater | Cold weather operation. | _____ |

ELECTRICAL

- | | | | |
|-------|------------|---------------------------------|-------|
| 10.10 | Alternator | Approx. 40 Amps, State . | _____ |
|-------|------------|---------------------------------|-------|

DRIVE TRAIN

- | | | | |
|-------|---------------|---|-------|
| 10.11 | Transmission | Hydrostatic transmission 4 wheel drive. | _____ |
| 10.12 | No. of speeds | State , No. of speeds for forward and reverse. | _____ |
| 10.13 | Brakes | Wet, multi disc. | _____ |
| 10.14 | Steering | Hydrostatic power steering. | _____ |
| 10.15 | Drive | 4x4 (4 wheel drive) with rear differential lock. | _____ |
| 10.16 | HST pedal(s) | Single or dual pedal, state . | _____ |

10.17	Pedal ergonomics for the HST, Brakes and differential lock lever.	Pedals and diff lock lever are positioned to accommodate a North American Boot Size 10 without foot crowding between the pedals and seat base. Allowing the operator to operate the tractor without catching their footwear underneath the HST or brake pedals or catching the heel of footwear or pant leg on the differential lock lever.	_____
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PTO

10.18	Type	Full independent of manual.	_____
10.19	Rear (rpm)	Approx. 540 rpm.	_____
10.20	Mid PTO (rpm)	Approx. 2000 rpm.	_____

HYDRAULICS

10.21	Pump gpm	State gpm.	_____
10.22	Total flow	State total gpm flow.	_____
10.23	mid mount hydraulic couplers	Remote hydraulics with ability to control two separate functions, quick release connectors.	_____
10.24	Hitch lift	State hitch lift capacity.	_____
10.25	Hitch category	Category I (3) point hitch.	_____
10.26	Adjustable stabilizer linkage	To secure rear mounted attachments (check chains not acceptable).	_____

CAB

10.27	Instrumentation	Alternates, warning light- engine oil pressure light. Gauges – water, fuel, tachometer w/ hour meter.	_____
10.28	Cab	Cab with ROPS with seat belt.	_____
10.29	Cab doors	Two (2) door opening.	_____
10.30	Radio	AM/FM/CD or MP3.	_____
10.31	Work lights	Front and rear work lights.	_____
10.32	Seat (air ride)	Air ride seat with compressor.	_____
10.33	Wipers	Front and rear wiper/washer.	_____
10.34	Cab ventilation	Heat and air conditioning, air recirculation mode.	_____
10.35	Rear window defrost	Electric grid on rear windows.	_____

10.36	Roof vent (pop-up style)	Preferred but not required, state .	_____
10.37	Sun visor	Front.	_____
10.38	Cutter/breaker	Combination seat belt cutter and glass breaker.	_____
10.39	Fire extinguisher	Two (2.5) lbs. High volume ABC type, State location.	_____
10.40	Safety lighting	Make and Model: Whelen L31 Series Super-LED, SAE Class 1 (or equivalent in accordance to B6) Blue/Amber (individual control) Low Dome Beacon, 360 degree visibility. Wired through ignition, lights shall be wired for separate amber and separate blue labelled independently "winter", "off", "summer". The winter mode will turn on both blue and amber, the summer will only turn on the amber lights.	_____
10.41	Signals and brake lights	Safety flasher and turn signals.	_____
10.42	Slow moving sign	Slow-moving vehicle warning triangle.	_____
10.43	Back-up alarm	State dB.	_____
10.44	Horn	Located on steering wheel or dash panel.	_____

ELECTRICAL & REMOTE VALVES

10.45	Light socket	7 pin connector implement light socket.	_____
10.46	Remote control valves	Two (2) pairs.	_____

TIRES

10.47	Tire size, turf R3 and rims	Turf tractor R3 tires, state tire size, make/model, front and rear.	_____
10.48	Spare tires and rims (turf R3)	One (1) front and One (1) rear.	_____

DIMENSIONS

10.49	Length	State overall length with 3 point hitch.	_____
10.50	Width	State overall width in inches.	_____
10.51	Wheelbase	State wheelbase in inches.	_____
10.52	Height	State height to top of cab in inches.	_____
10.53	Weight	State total operating weight.	_____

10.54 Radius **State** turning radius. _____

OPTION 1: ATTACHMENTS

Note: Option 1: Attachments to be priced only as indicated on Form B: Prices Item 1a.

10.55 Snow blower (front mount) Two stage PTO driven, cutting width approx. 51inches, **state**.
 With hydraulic chute and deflector.
 Quick hitch design with applicable counter weight if required. _____

10.56 Rotary broom (Front mount) PTO Driven, width approx. 60 inches, **state**. With hydraulic broom angle change approx. 30° left and right of centre. _____

11.0 **OPERATOR STATION ERGONOMICS**

Entry/ Exit

11.1 First step entry height **State**, height of first step in inches. _____

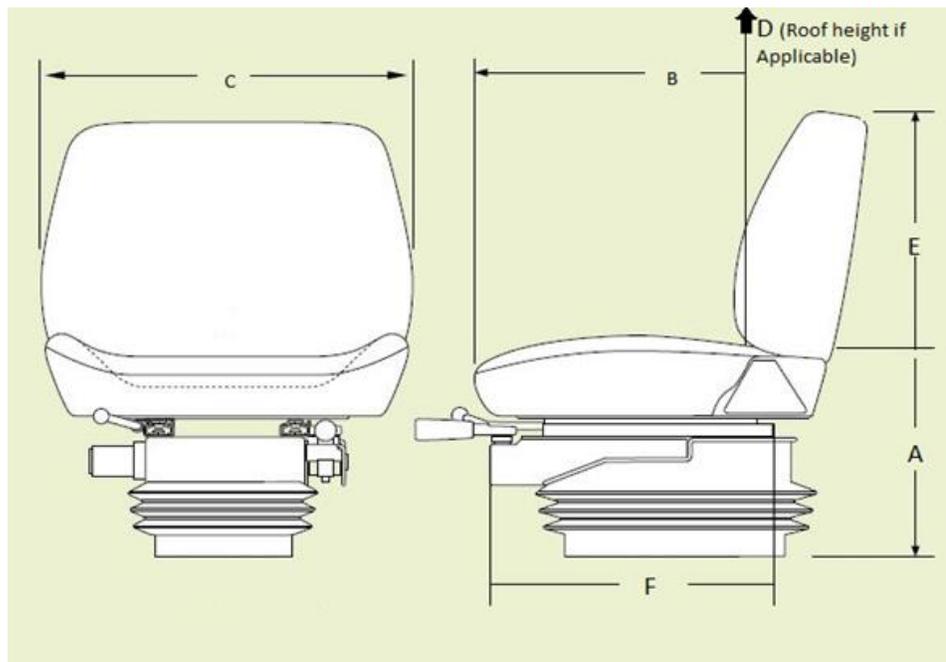
11.2 First handhold entry height **State**, first handhold entry height in inches. _____

11.3 Access to equipment **State**, door opening height in inches. _____

11.4 Access to equipment **State**, door opening width in inches. _____

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

Seat (use below diagram to answer questions)



- 11.6 Sitting height range from floor (where feet rest) (A) **State**, seat height range in inches. _____
- 11.7 Seat length/depth (B) **State**, seat length/depth in inches. _____
- 11.8 Seat width (C) **State**, seat width in inches. _____
- 11.9 Cab height from seat to roof (if applicable) (D) **State**, cab height range in inches. _____
- 11.10 Back rest height (E) **State**, back rest height in inches. _____
- 11.11 Seat travel range (F) **State**, seat travel in inches. _____
- 11.12 Lumbar support Is lumbar support provided (**Y or N**)? _____
- 11.13 Head rest Is head rest provided (**Y or N**)? _____
- 11.14 Seat is made of breathable material **State**, type of seat material. _____

Operation

- 11.15 Reaching distance to usual work **State**, reaching distance in inches. _____
- 11.16 Maximum reaching distance **State**, maximum reach distance in inches. _____
- 11.17 Adjustable pedals (accelerator/brake/clutch) Are pedals adjustable (**Y or N**)? _____
- 11.18 Adjustable steering wheel Is steering wheel adjustable (**Y or N**)? _____
- 11.19 Adjustable shoulder belt Is belt adjustable and anchored (**Y or N**)? _____

Environment

- 11.20 Operator compartment is insulated from equipment noise (while operating) **State**, dBA inside cab while operating. _____
- 11.21 Operator insulated from equipment vibration Is operator insulated from vibration (**Y or N**)? _____
- 11.22 Heating/cooling systems **State**, cab temperature range. _____
- 11.23 Cab lighting (if applicable) **State**, lumens inside cab. _____

12.0 **WARRANTY**

- 12.1 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. _____
- 12.2 Basic coverage **State:** _____

- 12.3 Powertrain **State:** _____
- 12.4 Hydraulics warranty **State:** _____
- 12.5 Batteries warranty **State:** _____
- 12.6 Tires warranty **State:** _____
- 12.7 Electrical warranty **State:** _____

13.0 **DELIVERY**

- 13.1 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. _____
- 13.2 Delivery Time: To be delivered within the approximate time frame **March 1 to 15, 2019**. Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. _____
- 13.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____
- 13.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

14.0 **MANUALS**

- 14.1 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. _____
- 14.2 The following manuals shall be supplied with the units when delivered:
- a) Operator's manual – Three (3) 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. _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

- 15.1 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 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 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. _____

16.0 **PARTS/LABOUR PRICING**

16.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount-** %_____

16.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount-** %_____

FORM N: DETAILED SPECIFICATIONS 18047
AG TRACTOR (40HP PTO) OPEN STATION

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an **Ag Tractor** and other equipment and features as specified herein.
- 1.2 The **Ag Tractor** shall be a new 2019 model year or newer.
- 1.3 The **Ag Tractor** 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 The **Ag Tractor** shall comply with the applicable regulations:

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

Manitoba Safety and Health Act, Parts 12, 22 =
<http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> 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://www.sae.org/>

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. Further to B9.1, 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) 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, model and year 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 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 **Ag Tractor**, 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 **Ag Tractor** 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 **Ag Tractor** shall have five (5) years continuous experience manufacturing the equipment.

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 **Ag Tractor and associated attachments** of the type being offered.

10.0 **SPECIFICATIONS:**

ENGINE

10.1	Engine type	Diesel, state manufacturer.	_____
10.2	Tier	Tier IV final, state .	_____
10.3	Engine HP (Gross)	Approx. 48 HP.	_____
10.4	PTO HP	Approx. 40 HP.	_____
10.5	Auto throttle	For synchronizing tractor speed and engine rpm.	_____
10.6	Cruise control	For constant working speed.	_____
10.7	Rated speed, RPM	State rated RPM Speed.	_____
10.8	Air cleaner	Dry type air cleaner.	_____
10.9	Fuel tank capacity	State capacity. The City of Winnipeg requires units to carry enough fuel to run 10 shifts without refueling. Normal usage cutting grass and travel between work sites.	_____
10.10	Throttle	Hand or foot throttle control, state .	_____

ELECTRICAL

10.11	Alternator	Approx. 45 Amps, State .	_____
10.12	Lockable power disconnect switch	Connected to battery. Prevents low-draw accessories from draining battery in long-term storage. Switch to be lockable with a pad lock.	_____

DRIVE TRAIN

10.13	Transmission	Hydrostatic transmission 4 wheel drive, (3 speed with hi-low range) with adjustable hydrostatic response.	_____
10.14	No. of speeds	State , No. of speeds for forward and reverse.	_____
10.15	Brakes	Wet, multi disc.	_____

10.16	Steering	Hydrostatic power steering.	_____
10.17	Drive	4x4 (4 wheel drive) with rear differential lock.	_____
10.18	HST pedal(s)	Single or dual pedal, state .	_____
10.19	Pedal ergonomics for the HST, Brakes and differential lock lever.	Pedals and diff lock lever are positioned to accommodate a North American Boot Size 10 without foot crowding between the pedals and seat base. Allowing the operator to operate the tractor without catching their footwear underneath the HST or brake pedals or catching the heel of footwear or pant leg on the differential lock lever.	_____

PTO

10.20	Type	Full independent of manual.	_____
10.21	Rear (rpm)	Approx. 540 rpm.	_____

HYDRAULICS

10.22	Pump gpm	State gpm.	_____
10.23	Total flow	State total gpm flow.	_____
10.24	Mid mount hydraulic couplers	Remote hydraulics with ability to control two (2) separate functions, quick release connectors.	_____
10.25	Rear mount hydraulic couplers	Remote hydraulics with ability to control two (2) separate functions, quick release connectors.	_____
10.26	Hitch lift	State hitch lift capacity.	_____
10.27	Hitch category	Adjustable category I-II (3) point hitch. With draw bar. With telescopic lower link ends (adjustable length).	_____
10.28	Adjustable stabilizer linkage	To secure rear mounted attachments (check chains not acceptable).	_____
10.29	Safety "U" Brackets/eyelets or equivalent	For attachment of safety chains from attachments.	_____

OPERATOR STATION

10.30	Instrumentation	Alternates, warning light- engine oil pressure light. Gauges – water, fuel, tachometer w/ hour meter.	_____
10.31	Hardtop canopy	Over operator station (attached to ROPS).	_____

10.32	Work lights LED	Two (2) Front and two (2) rear work lights.	_____
10.33	Seat	Adjustable seat (swivel), with air suspension.	_____
10.34	Fire extinguisher	2.5 lbs. High volume ABC type, State location.	_____
10.35	Safety lighting	Make and model Hella MLB 100 (12-24 VDC) P/N H27996001 (or equivalent in accordance to B6). Nonmagnetic (LED Micro Light Bar) wired directly to the ignition, mounted slightly behind top to centered on top of ROPS.	_____
10.36	Safety flashers, turn signals and brake lights	Safety flasher, turn signals and brake lights required.	_____
10.37	Slow moving sign	Slow-moving vehicle warning triangle.	_____
10.38	Back-up alarm	State dB.	_____
10.39	Horn	Located on steering wheel or dash panel.	_____

DIMENSIONS

10.40	Length	State overall length with 3 point hitch.	_____
10.41	Width	State overall width in inches.	_____
10.42	Wheelbase	State wheelbase in inches.	_____
10.43	Height	State height to top of canopy in inches.	_____
10.44	Weight	State total operating weight.	_____
10.45	Radius	State turning radius.	_____

TOOL BOX

10.46	Waterproof tool box	Made from metal for stowage of personal belongings. State location.	_____
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ELECTRICAL & REMOTE VALVES

10.47	Light socket	7 pin connector implement light socket with capability to function brake lights of implements.	_____
10.48	Remote control valves	Two (2) pairs each mid and rear.	_____

OPTION 2: FRONT WEIGHT KIT

Note: Option 2: front weight kit to be priced only as indicated on Form B: Prices Item 2a.

10.49	Front Detachable weights	Front bracket assembly with retaining pin, quick attach pin. Five (5) approx. 60 lbs/each suitcase style weights. Total weight approx. 300 lbs.	_____
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TIRES

10.50	Tire size, turf	Turf tires Tread-R3, state tire size, make/model, front and rear.	_____
-------	-----------------	--	-------

10.51	Spare tires and rims (turf)	One (1) front and one (1) rear.	_____
-------	-----------------------------	---------------------------------	-------

11.0 OPERATOR STATION ERGONOMICS

Entry/ Exit

11.1	First step entry height	State , height of first step in inches.	_____
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11.2	First handhold entry height	State , first handhold entry height in inches.	_____
------	-----------------------------	---	-------

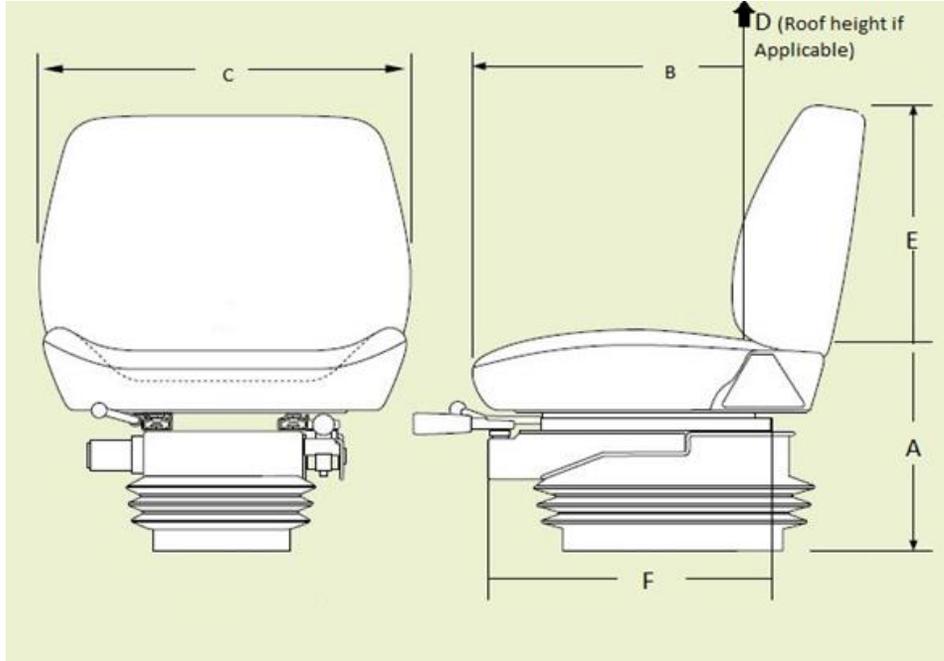
11.3	Access to equipment	State , door opening height in inches.	_____
------	---------------------	---	-------

11.4	Access to equipment	State , door opening width in inches.	_____
------	---------------------	--	-------

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

Seat (use below diagram to answer questions)

11.6



- | | | | |
|-------|---|---|-------|
| 11.7 | Sitting height range from floor (where feet rest) (A) | State , seat height range in inches. | _____ |
| 11.8 | Seat length/depth (B) | State , seat length/depth in inches. | _____ |
| 11.9 | Seat width (C) | State , seat width in inches. | _____ |
| 11.10 | Cab height from seat to roof (if applicable) (D) | State , cab height range in inches. | _____ |
| 11.11 | Back rest height (E) | State , back rest height in inches. | _____ |
| 11.12 | Seat travel range (F) | State , seat travel in inches. | _____ |
| 11.13 | Lumbar support | Is lumbar support provided (Y or N)? | _____ |
| 11.14 | Head rest | Is head rest provided (Y or N)? | _____ |
| 11.15 | Seat is made of breathable material | State , type of seat material. | _____ |

Operation

- | | | | |
|-------|--|--|-------|
| 11.16 | Reaching distance to usual work | State , reaching distance in inches. | _____ |
| 11.17 | Maximum reaching distance | State , maximum reach distance in inches. | _____ |
| 11.18 | Adjustable pedals (accelerator/brake/clutch) | Are pedals adjustable (Y or N)? | _____ |
| 11.19 | Adjustable steering wheel | Is steering wheel adjustable (Y or N)? | _____ |
| 11.20 | Adjustable shoulder belt | Is belt adjustable and anchored (Y or N)? | _____ |

Cargo Area

- | | | | |
|-------|-------------------------------------|--|-------|
| 11.21 | Lid opens to provide adequate space | Lid opens to provide adequate space. | _____ |
| 11.22 | Loading height | State , trunk height in inches. | _____ |

Environment

- | | | | |
|-------|--|---|-------|
| 11.23 | Operator compartment is insulated from equipment noise (while operating) | State , dBA inside cab while operating. | _____ |
| 11.24 | Operator insulated from equipment vibration | Is operator insulated from vibration (Y or N)? | _____ |
| 11.25 | Heating/cooling systems | State , cab temperature range. | _____ |
| 11.26 | Cab lighting | State , lumens inside cab. | _____ |

12.0 **WARRANTY**

- | | | | |
|------|---|---------------------|-------|
| 12.1 | 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. | | _____ |
| 12.2 | Basic coverage | State: _____ | _____ |
| 12.3 | Powertrain | State: _____ | _____ |
| 12.4 | Hydraulics warranty | State: _____ | _____ |
| 12.5 | Batteries warranty | State: _____ | _____ |
| 12.6 | Tires warranty | State: _____ | _____ |
| 12.7 | Electrical warranty | State: _____ | _____ |

13.0 **DELIVERY**

- | | | | |
|------|--|--|-------|
| 13.1 | 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. | | _____ |
| 13.2 | Delivery Time: To be delivered within the approximate time frame March 1 to 15, 2019 . Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. | | _____ |
| 13.3 | Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. | | _____ |
| 13.4 | P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list. | | _____ |

14.0 **MANUALS**

14.1 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. _____

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

a) Operator's manual – Three (3) 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. _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

15.1 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 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 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. _____

16.0 **PARTS/LABOUR PRICING**

16.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount-** %_____

16.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount-** %_____

FORM N: DETAILED SPECIFICATIONS 18044
AG TRACTOR (45HP PTO) OPEN STATION

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an **Ag Tractor** and other equipment and features as specified herein.
- 1.2 The **Ag Tractor** shall be a new 2019 model year or newer.
- 1.3 The **Ag Tractor** 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 The **Ag Tractor** shall comply with the applicable regulations:

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

Manitoba Safety and Health Act, Parts 12, 22 =
<http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> 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://www.sae.org/>

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. Further to B9.1, 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) 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, model and year 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 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 **Ag Tractor**, 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 **Ag Tractor** 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 **Ag Tractor** shall have five (5) years continuous experience manufacturing the equipment.

- 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 **Ag Tractor and associated attachments** of the type being offered.

10.0 **SPECIFICATIONS:**

ENGINE

- | | | | |
|-------|--------------------|--|-------|
| 10.1 | Engine type | Diesel, state manufacturer. | _____ |
| 10.2 | Tier | Tier IV final, state . | _____ |
| 10.3 | Engine HP (Gross) | Approx. 55 HP. | _____ |
| 10.4 | PTO HP | Approx. 45 HP. | _____ |
| 10.5 | Auto throttle | For synchronizing tractor speed and engine rpm. | _____ |
| 10.6 | Cruise control | For constant working speed. | _____ |
| 10.7 | Rated speed, RPM | State rated RPM Speed. | _____ |
| 10.8 | Air cleaner | Dry type air cleaner. | _____ |
| 10.9 | Fuel tank capacity | State capacity.
The City of Winnipeg requires units to carry enough fuel to run 10 shifts without refueling. Normal usage cutting grass and travel between work sites. | _____ |
| 10.10 | Throttle | Hand or foot throttle control, state . | _____ |

ELECTRICAL

- | | | | |
|-------|----------------------------------|--|-------|
| 10.11 | Alternator | Approx. 45 Amps, State . | _____ |
| 10.12 | Lockable power disconnect switch | Connected to battery. Prevents low-draw accessories from draining battery in long-term storage. Switch to be lockable with a pad lock. | _____ |

DRIVE TRAIN

- | | | | |
|-------|---------------|---|-------|
| 10.13 | Transmission | Hydrostatic transmission 4 wheel drive, (3 speed with hi-low range) with adjustable hydrostatic response. | _____ |
| 10.14 | No. of speeds | State , No. of speeds for forward and reverse. | _____ |
| 10.15 | Brakes | Wet, multi disc. | _____ |

10.16	Steering	Hydrostatic power steering.	_____
10.17	Drive	4x4 (4 wheel drive) with rear differential lock.	_____
10.18	HST pedal(s)	Single or dual pedal, state .	_____
10.19	Pedal ergonomics for the HST, Brakes and differential lock lever.	Pedals and diff lock lever are positioned to accommodate a North American Boot Size 10 without foot crowding between the pedals and seat base. Allowing the operator to operate the tractor without catching their footwear underneath the HST or brake pedals or catching the heel of footwear or pant leg on the differential lock lever.	_____

PTO

10.20	Type	Full independent of manual.	_____
10.21	Rear (rpm)	Approx. 540 rpm.	_____

HYDRAULICS

10.22	Pump gpm	State gpm.	_____
10.23	Total flow	State total gpm flow.	_____
10.24	Mid mount hydraulic couplers	Remote hydraulics with ability to control two (2) separate functions, quick release connectors.	_____
10.25	Rear mount hydraulic couplers	Remote hydraulics with ability to control two (2) separate functions, quick release connectors.	_____
10.26	Hitch lift	State hitch lift capacity.	_____
10.27	Hitch category	Adjustable category I-II (3) point hitch. With draw bar. With telescopic lower link ends (adjustable length).	_____
10.28	Adjustable stabilizer linkage	To secure rear mounted attachments (check chains not acceptable).	_____
10.29	Safety "U" Brackets/eyelets or equivalent	For attachment of safety chains from attachments.	_____

OPERATOR STATION

10.30	Instrumentation	Alternates, warning light- engine oil pressure light. Gauges – water, fuel, tachometer w/ hour meter.	_____
10.31	Hardtop canopy	Over operator station (attached to ROPS).	_____

10.32	Work lights LED	Two (2) Front and Four (4) rear work lights.	_____
10.33	Seat	Adjustable seat (swivel), with air suspension.	_____
10.34	Fire extinguisher	2.5 lbs. High volume ABC type, State location.	_____
10.35	Safety lighting	Make and model Hella MLB 100 (12-24 VDC) P/N H27996001 (or equivalent in accordance to B6). Nonmagnetic (LED Micro Light Bar) wired directly to the ignition, mounted slightly behind top to centered on top of ROPS.	_____
10.36	Safety flashers, turn signals and brake lights	Safety flasher, turn signals and brake lights required.	_____
10.37	Slow moving sign	Slow-moving vehicle warning triangle.	_____
10.38	Back-up alarm	State dB.	_____
10.39	Horn	Located on steering wheel or dash panel.	_____

DIMENSIONS

10.40	Length	State overall length with 3 point hitch.	_____
10.41	Width	State overall width in inches.	_____
10.42	Wheelbase	State wheelbase in inches.	_____
10.43	Height	State height to top of canopy in inches.	_____
10.44	Weight	State total operating weight.	_____
10.45	Radius	State turning radius.	_____

TOOL BOX

10.46	Waterproof tool box	Made from metal for stowage of personal belongings. State location.	_____
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ELECTRICAL & REMOTE VALVES

10.47	Light socket	7 pin connector implement light socket with capability to function brake lights of implements.	_____
10.48	Remote control valves	Two (2) pairs each mid and rear.	_____

OPTION 3: FRONT WEIGHT KIT

Note: Option 3: Front Weight Kit to be priced only as indicated on Form B: Prices Item 3a.

10.49	Front Detachable weights	Front bracket assembly with retaining pin, quick attach pin. Five (5) approx. 60 lbs/each suitcase style weights. Total weight approx. 300 lbs.	_____
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TIRES AND FENDERS

10.50	Tire size, turf	Turf tires Tread-R3, state tire size, make/model, front and rear.	_____
10.51	Spare tires and rims (turf)	One (1) front and one (1) rear.	_____
10.52	Fenders (extensions)	Front, rubber or polymer, state , material.	_____

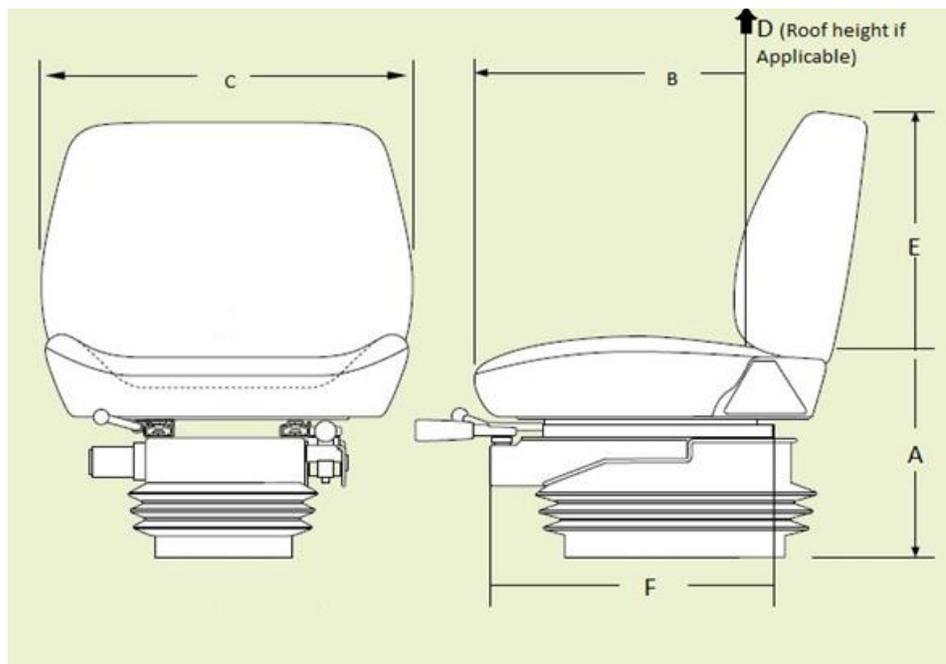
11.0 OPERATOR STATION ERGONOMICS

Entry/ Exit

11.1	First step entry height	State , height of first step in inches.	_____
11.2	First handhold entry height	State , first handhold entry height in inches.	_____
11.3	Access to equipment	State , door opening height in inches.	_____
11.4	Access to equipment	State , door opening width in inches.	_____
11.5	Designed to prevent slipping	Anti-slip steps/handholds (Y or N)?	_____

Seat (use below diagram to answer questions)

11.6



11.7	Sitting height range from floor (where feet rest) (A)	State , seat height range in inches.	_____
11.8	Seat length/depth (B)	State , seat length/depth in inches.	_____
11.9	Seat width (C)	State , seat width in inches.	_____
11.10	Cab height from seat to roof (if applicable) (D)	State , cab height range in inches.	_____
11.11	Back rest height (E)	State , back rest height in inches.	_____
11.12	Seat travel range (F)	State , seat travel in inches.	_____
11.13	Lumbar support	Is lumbar support provided (Y or N)?	_____
11.14	Head rest	Is head rest provided (Y or N)?	_____
11.15	Seat is made of breathable material	State , type of seat material.	_____

Operation

11.16	Reaching distance to usual work	State , reaching distance in inches.	_____
11.17	Maximum reaching distance	State , maximum reach distance in inches.	_____
11.18	Adjustable pedals (accelerator/brake/clutch)	Are pedals adjustable (Y or N)?	_____
11.19	Adjustable steering wheel	Is steering wheel adjustable (Y or N)?	_____
11.20	Adjustable shoulder belt	Is belt adjustable and anchored (Y or N)?	_____

Cargo Area

11.21	Lid opens to provide adequate space	Lid opens to provide adequate space.	_____
11.22	Loading height	State , trunk height in inches.	_____

Environment

11.23	Operator compartment is insulated from equipment noise (while operating)	State , dBA inside cab while operating.	_____
11.24	Operator insulated from equipment vibration	Is operator insulated from vibration (Y or N)?	_____
11.25	Heating/cooling systems	State , cab temperature range.	_____
11.26	Cab lighting	State , lumens inside cab.	_____

12.0 **WARRANTY**

- 12.1 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. _____
- 12.2 Basic coverage **State:** _____ _____
- 12.3 Powertrain **State:** _____ _____
- 12.4 Hydraulics warranty **State:** _____ _____
- 12.5 Batteries warranty **State:** _____ _____
- 12.6 Tires warranty **State:** _____ _____
- 12.7 Electrical warranty **State:** _____ _____

13.0 **DELIVERY**

- 13.1 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. _____
- 13.2 Delivery Time: To be delivered within the approximate time frame **March 1 to 15, 2019**. Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. _____
- 13.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____
- 13.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list. _____

14.0 **MANUALS**

- 14.1 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. _____
- 14.2 The following manuals shall be supplied with the units when delivered:
- a) Operator's manual – Three (3) 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. _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

- 15.1 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 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 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. _____

16.0 **PARTS/LABOUR PRICING**

16.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount-** %_____

16.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount-** %_____

FORM N: DETAILED SPECIFICATIONS 18042
24-26 HP OPEN STATION OUT-FRONT MOWER WITH MOWER DECK

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an **Out-Front Mower** and other equipment and features as specified herein.
- 1.2 The **Out-Front Mower** shall be a new 2019 model year or newer.
- 1.3 The **Out-Front 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 The **Out-Front Mower** shall comply with the applicable regulations:

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

Manitoba Safety and Health Act, Parts 12, 22 =
<http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> 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://www.sae.org/>

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. Further to B9.1, 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, model and year 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 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 **Out-Front 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 **Out-Front 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 fuelled upon delivery (no exceptions).

9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the **Out-Front Mower** shall have five (5) years continuous experience manufacturing the equipment.

- 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 **Out-Front Mower and associated attachments** of the type being offered.

10.0 **SPECIFICATIONS:**

DIMENSIONS

- | | | | |
|------|------------------|---------------------------------------|-------|
| 10.1 | Overall height | Approx. 78 inches. | _____ |
| 10.2 | Overall length | Approx. 96 inches. | _____ |
| 10.3 | Overall width | Approx. 53 inches. | _____ |
| 10.4 | Wheel base | Approx. 51 inches. | _____ |
| 10.5 | Ground clearance | Approx. 6.5 inches. | _____ |
| 10.6 | Weight | Approx. 1500-1900 lbs., state. | _____ |
| 10.7 | Tread width | Approx. front 41 in. and rear 40 in. | _____ |

TRAVELING SPEEDS

- | | | | |
|-------|--------------------|--|-------|
| 10.8 | Travel speed range | State , number of speed ranges. | _____ |
| 10.9 | Forward speed max. | Approx. 16-20 km/h. | _____ |
| 10.10 | Reverse speed max. | Approx. 8-11 km/h. | _____ |

POWER TAKE OF (PTO)

- | | | | |
|-------|------------|---|-------|
| 10.11 | PTO system | Independent live, shaft drive. PTO system with guarding for drive shaft and mower deck pulleys and belts. | _____ |
| 10.12 | PTO clutch | Wet multi discs, hydraulic or electric. | _____ |
| 10.13 | Front | 2000-2600 rpm. | _____ |

ENGINE

- | | | | |
|-------|-------------|--|-------|
| 10.14 | Engine type | Diesel, Tier IV interim or final, must meet current Emission Standards.
Engine exhaust to be rear discharge.
Engine hood to have prop rod or be tilt back past center type design. | _____ |
| 10.15 | Torque | State | _____ |
| 10.16 | Horsepower | Approx. Gross 24-26 HP. | _____ |

10.17	Cylinders	(3 or 4) cylinders, state .	_____
10.18	Cold weather start aid	Glow plugs.	_____
10.19	Cooling	Liquid.	_____
10.20	Air cleaner	Dual element dry type.	_____
10.21	Air restriction indicator	Gauge.	_____
10.22	Engine hood	Flanges guard in order to protect operator's hand.	_____

FUEL

10.23	Fuel capacity	11-16 US gal State . The City of Winnipeg requires units to carry enough fuel to run 10 shifts without refueling. Normal usage cutting grass and travel between work sites.	_____
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ELECTRICAL

10.24	Alternator	40-60 Amp alternator.	_____
10.25	Engine shutoff	Electrically activated engine stop mechanism.	_____
10.26	Gauges	Electric fuel / engine temperature / hour meter / tachometer.	_____
10.27	Indicator lights	Glow plugs, electrical charge, engine oil pressure.	_____
10.28	Lights	Tail reflectors.	_____
10.29	Lockable power disconnect switch	Connected to battery. Prevents low-draw accessories from draining battery in long-term storage. Switch to be lockable with a pad lock.	_____

**DRIVE TRAIN/TRANSMISSION/
STEERING**

10.30	Transmission type	Hydrostatic (forward & reverse).	_____
10.31	HST pedal (s)	Single or dual pedal, state .	_____
10.32	Clutch	Direct shaft.	_____
10.33	4-Wheel drive (4WD)	Fulltime, with locking differential.	_____
10.34	Mower drive	Shaft drive, front PTO.	_____
10.35	Brakes	Disc, with parking brake.	_____
10.36	Steering	Hydrostatic, with tilt, steering wheel.	_____

TIRES

10.37	Front	Turf tire, state size.	_____
10.38	Rear	Turf tire, state size.	_____
10.39	Tire make and model	State.	_____

MOWER DECK

10.40	Mower deck	Side discharge with guarding (mulching deck with cutting blades).	_____
10.41	Tilt function	Mower deck to have 45-90° tilt function for service of blades (maintenance and cleaning). With manual safety lock.	_____
10.42	Deck thickness	Steel 7 gauge.	_____
10.43	Cutting width	72 inch rear discharge.	_____
10.44	Cutting height	1 to 5 inches.	_____
10.45	Caster wheels	Front solid deck wheel.	_____
10.46	Weight transfer	State type, (Front mounted Tension springs from mower deck to tractor not acceptable).	_____
10.47	Blades	Cutting blades only.	_____
10.48	Extra cutting blades	All units to come with an extra set of cutting blades.	_____

OPTION 4: FRONT SNOW BLOWER

Note: Option 4: Snow Blower to be priced only as indicated on Form B: Prices Item 4a. _____

10.49	Snow blower (front mount)	Two stage PTO driven, cutting width approx. 51inches, state . With hydraulic chute and deflector. Quick hitch design with applicable counter weight if required.	_____
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STORAGE

10.50	Storage	Tool/storage box for storage of hand tools and operator's manual.	_____
-------	---------	---	-------

OPERATOR STATION/SAFETY EQUIPEMENT

10.51	ROPS (Roll Over Protection Structure)	Standard, certified, foldable.	_____
10.52	Hardtop canopy	Over operator station (attached to ROPS).	_____
10.53	OPC	Operator's presence control required.	_____
10.54	Seat	Adjustable seat, with air suspension.	_____
10.55	Seat belts	Retractable seat belt.	_____
10.56	Parking brakes	With warning indicator.	_____
10.57	Lights	Head light.	_____
10.58	Back-up alarm	State dB.	_____
10.59	Safety	Slow-moving vehicle warning triangle, 2lbs. Type ABC fire extinguisher installed and fastened to rear of tractor. (Exact location to be determined prior to delivery)	_____
10.60	Safety lighting	Make and model Hella MLB 100 (12-24 VDC) P/N H27996001 (or equivalent in accordance to B6). Nonmagnetic (LED Micro Light Bar) wired directly to the ignition, mounted slightly behind top to centered on top of ROPS. (Exact location to be determined prior to delivery)	_____

HYDRAULIC SYSTEM

10.61	Type	Open center.	_____
10.62	Main pump	Gear type.	_____
10.63	2-point hitch	Standard.	_____
10.64	Lift control type	Hydraulic.	_____
10.65	Lift capacity	State lift capacity.	_____

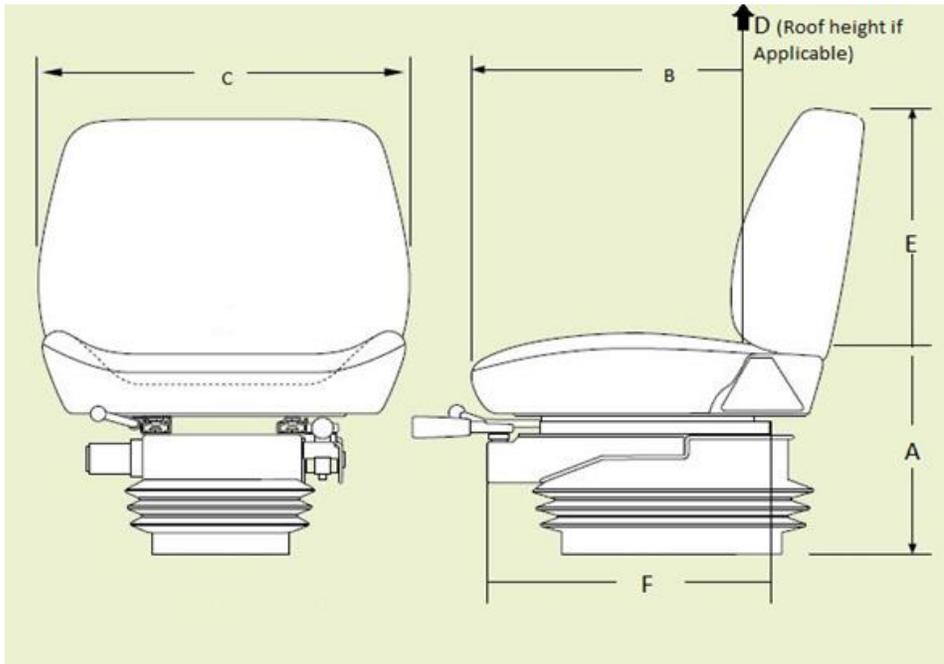
**11.0 OPERATOR STATION
 ERGONOMICS**

Entry/ Exit

11.1	First step entry height	State , height of first step in inches.	_____
11.2	First handhold entry height	State , first handhold entry height in inches.	_____
11.3	Access to equipment	State , door opening height in inches.	_____
11.4	Access to equipment	State , door opening width in inches.	_____
11.5	Designed to prevent slipping	Anti-slip steps/handholds (Y or N)?	_____

Seat (use below diagram to answer questions)

11.6



- | | | | |
|-------|---|---|-------|
| 11.7 | Sitting height range from floor (where feet rest) (A) | State , seat height range in inches. | _____ |
| 11.8 | Seat length/depth (B) | State , seat length/depth in inches. | _____ |
| 11.9 | Seat width (C) | State , seat width in inches. | _____ |
| 11.10 | Cab height from seat to roof (if applicable) (D) | State , cab height range in inches. | _____ |
| 11.11 | Back rest height (E) | State , back rest height in inches. | _____ |
| 11.12 | Seat travel range (F) | State , seat travel in inches. | _____ |
| 11.13 | Lumbar support | Is lumbar support provided (Y or N)? | _____ |
| 11.14 | Head rest | Is head rest provided (Y or N)? | _____ |
| 11.15 | Seat is made of breathable material | State , type of seat material. | _____ |

Cargo Area

- | | | | |
|-------|-------------------------------------|--|-------|
| 11.16 | Lid opens to provide adequate space | Lid opens to provide adequate space. | _____ |
| 11.17 | Loading height | State , trunk height in inches. | _____ |

Environment

- | | | | |
|-------|--|--|-------|
| 11.18 | Operator compartment is insulated from equipment noise (while operating) | State , dBA inside cab while operating. | _____ |
|-------|--|--|-------|

- 11.19 Operator insulated from equipment vibration Is operator insulated from vibration (**Y or N**)? _____
- 11.20 Heating/cooling systems **State**, cab temperature range. _____
- 11.21 Cab lighting **State**, lumens inside cab. _____

12.0 **WARRANTY**

- 12.1 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.
- 12.2 Basic coverage **State:** _____
- 12.3 Powertrain **State:** _____
- 12.4 Hydraulics warranty **State:** _____
- 12.5 Batteries warranty **State:** _____
- 12.6 Tires warranty **State:** _____
- 12.7 Electrical warranty **State:** _____

13.0 **DELIVERY**

- 13.1 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 _____
- 13.2 Delivery Time: To be delivered within the approximate time frame **March 1 to 15, 2019**. Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. _____
- 13.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____
- 13.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

14.0 **MANUALS**

- 14.1 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. _____
- 14.2 The following manuals shall be supplied with the units when delivered:
- a) Operator's manual – Three (3) 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. _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

15.1 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 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 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. _____

16.0 **PARTS/LABOUR PRICING**

16.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount-** %_____

16.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount-** %_____

FORM N: DETAILED SPECIFICATIONS 18042
24-26 HP OUT-FRONT TRACTOR WITH CAB (NO MOWER DECK)

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an **Out-Front Tractor** and other equipment and features as specified herein.
- 1.2 The **Out-Front Tractor** shall be a new 2019 model year or newer.
- 1.3 The **Out-Front Tractor** 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 The **Out-Front Tractor** shall comply with the applicable regulations:

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

Manitoba Safety and Health Act, Parts 12, 22 =
<http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> 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://www.sae.org/>

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. Further to B9.1, 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, model and year 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 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 **Out-Front Tractor**, 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 **Out-Front Tractor** 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 **Out-Front Tractor** shall have five (5) years continuous experience manufacturing the equipment.

- 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 **Out-Front Tractor and associated attachments** of the type being offered.

10.0 **SPECIFICATIONS:**

DIMENSIONS

10.1	Overall height	Approx. 78 inches.	_____
10.2	Overall length	Approx. 96 inches.	_____
10.3	Overall width	Approx. 53 inches.	_____
10.4	Wheel base	Approx. 51 inches.	_____
10.5	Ground clearance	Approx. 6.5 inches.	_____
10.6	Weight	Approx. 1500-1900 lbs., state .	_____
10.7	Tread width	Approx. front 41 in. and rear 40 in.	_____

TRAVELING SPEEDS

10.8	Travel speed range	State , number of speed ranges.	_____
10.9	Forward speed max.	Approx. 16-20 km/h.	_____
10.10	Reverse speed max.	Approx. 8-11 km/h.	_____

POWER TAKE OF (PTO)

10.11	PTO system	Independent live, shaft drive. PTO system with guarding for drive shaft and mower deck pulleys and belts.	_____
10.12	PTO clutch	Wet multi discs, hydraulic or electric.	_____
10.13	Front	2000-2600 rpm.	_____

ENGINE

10.14	Engine type	Tier IV interim or final, must meet current Emission Standards. Engine exhaust to be rear discharge. Engine hood to have prop rod or be tilt back past center type design.	_____
10.15	Torque	State	_____
10.16	Horsepower	Approx. Gross 24-26 HP.	_____

10.17	Cylinders	(3 or 4) cylinders, state .	_____
10.18	Cold weather start aid	Glow plugs.	_____
10.19	Cooling	Liquid.	_____
10.20	Air cleaner	Dual element dry type.	_____
10.21	Air restriction indicator	Gauge.	_____
10.22	Engine hood	Flanges guard in order to protect operator's hand.	_____

FUEL

10.23	Fuel capacity	11-16 US gal State . The City of Winnipeg requires units to carry enough fuel to run 10 shifts without refueling. Normal usage cutting grass and travel between work sites.	_____
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ELECTRICAL

10.24	Alternator	40-60 Amp alternator.	_____
10.25	Engine shutoff	Electrically activated engine stop mechanism.	_____
10.26	Gauges	Electric fuel / engine temperature / hour meter / tachometer.	_____
10.27	Indicator lights	Glow plugs, electrical charge, engine oil pressure.	_____
10.28	Lights	Tail reflectors.	_____
10.29	Lockable power disconnect switch	Connected to battery. Prevents low-draw accessories from draining battery in long-term storage. Switch to be lockable with a pad lock.	_____

**DRIVE TRAIN/TRANSMISSION/
STEERING**

10.30	Transmission type	Hydrostatic (forward & reverse).	_____
10.31	HST pedal (s)	Single or dual pedal, state .	_____
10.32	Clutch	Direct shaft.	_____
10.33	4-Wheel drive (4WD)	Fulltime, with locking differential.	_____
10.34	Mower drive	Shaft drive, front PTO.	_____
10.35	Brakes	Disc, with parking brake.	_____
10.36	Steering	Hydrostatic, with tilt, steering wheel.	_____

TIRES/RIMS

Note: this equipment will be primarily used in the winter for clearing ice surfaces.

- | | | | |
|-------|-------------------------------|---------------------------------------|-------|
| 10.37 | Front | Winter rated tire, state size. | _____ |
| 10.38 | Rear | Winter rated tire, state size. | _____ |
| 10.39 | Spare tires and rims (winter) | One (1) front and one (1) rear. | _____ |
| 10.40 | Tire make and model | State. | _____ |

CAB

- | | | | |
|-------|--------------------------|--|-------|
| 10.41 | Cab | Cab with ROPS with seat belt. | _____ |
| 10.42 | Cab doors | Two (2) door opening, removable. | _____ |
| 10.43 | Roof | Composite roof/headliner. | _____ |
| 10.44 | Cab ventilation | Heat and air recirculation mode. | _____ |
| 10.45 | Radio | AM/FM/CD or MP3. | _____ |
| 10.46 | Seat (air ride) | Adjustable air ride seat with compressor. | _____ |
| 10.47 | Grab handle | Exterior grab handle, for entrance to unit. | _____ |
| 10.48 | Isolators | Heavy duty cab frame isolators to prevent vibration. | _____ |
| 10.49 | Flooring | Heavy duty rubber. | _____ |
| 10.50 | Work lights | Front & rear work lights. | _____ |
| 10.51 | Signals and brake lights | Safety flasher and turn signals | _____ |
| 10.52 | Interior mirror | | _____ |
| 10.53 | Exterior mirrors | Convex. | _____ |
| 10.54 | Wiper | Front and rear. | _____ |

OPTION 5: ATTACHMENTS

Note: Option 5: Attachments to be priced only as indicated on Form B: Prices Item 5a.

- | | | | |
|-------|---------------------------|---|-------|
| 10.55 | Snow blower (front mount) | Two stage PTO driven, cutting width approx. 51inches, state .
With hydraulic chute and deflector.
Quick hitch design with applicable counter weight if required. | _____ |
|-------|---------------------------|---|-------|

10.56	Rotary broom (Front mount)	PTO Driven, width approx. 60 inches, state . With hydraulic broom angle change approx. 30° left and right of centre.	_____
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STORAGE

10.57	Storage	Tool/storage box for storage of hand tools and operator's manual.	_____
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OPERATOR STATION/SAFETY EQUIPEMNT

10.58	ROPS (Roll Over Protection Structure)	Standard, certified, foldable.	_____
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10.59	OPC	Operator's presence control required.	_____
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10.60	Seat belts	Retractable seat belt.	_____
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10.61	Parking brakes	With warning indicator.	_____
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10.62	Lights	Head light.	_____
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10.63	Back-up alarm	State dB.	_____
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10.64	Safety	Slow-moving vehicle warning triangle, 2lbs. Type ABC fire extinguisher installed and fastened to rear of tractor. (Exact location to be determined prior to delivery)	_____
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10.65	Safety lighting	Make and model Hella MLB 100 (12-24 VDC) P/N H27996001 (or equivalent in accordance to B6). Nonmagnetic (LED Micro Light Bar) wired directly to the ignition, mounted slightly behind top to centered on top of ROPS. (Exact location to be determined prior to delivery)	_____
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HYDRAULIC SYSTEM

10.66	Type	Open center.	_____
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10.67	Main pump	Gear type.	_____
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10.68	2-point hitch	Standard.	_____
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10.69	Lift control type	Hydraulic.	_____
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10.70	Lift capacity	State lift capacity.	_____
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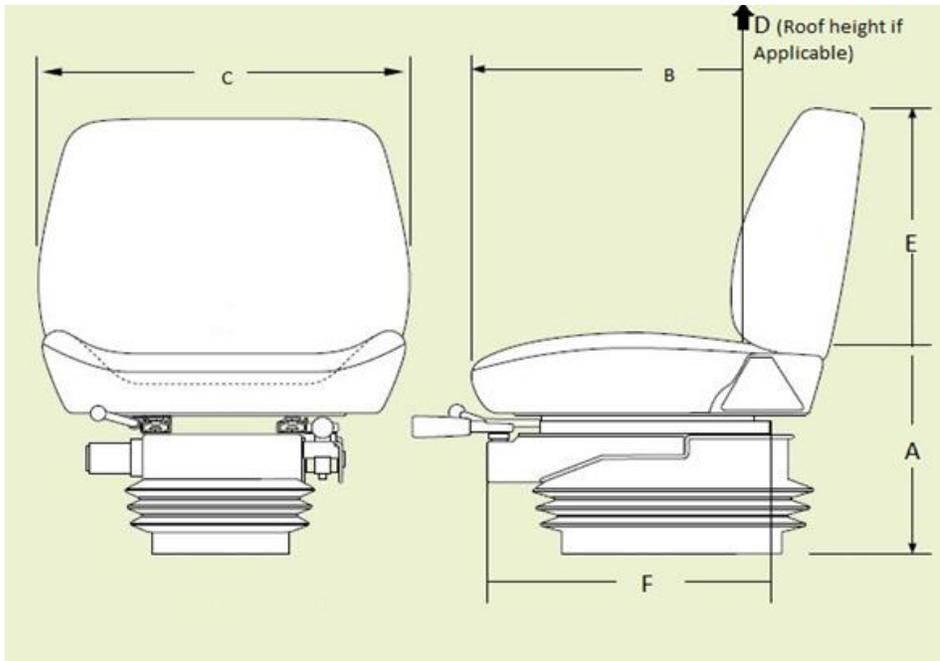
11.0 **OPERATOR STATION
 ERGONOMICS**

Entry/ Exit

- | | | | |
|------|------------------------------|---|-------|
| 11.1 | First step entry height | State , height of first step in inches. | _____ |
| 11.2 | First handhold entry height | State , first handhold entry height in inches. | _____ |
| 11.3 | Access to equipment | State , door opening height in inches. | _____ |
| 11.4 | Access to equipment | State , door opening width in inches. | _____ |
| 11.5 | Designed to prevent slipping | Anti-slip steps/handholds (Y or N)? | _____ |

Seat (use below diagram to answer questions)

11.6



- | | | | |
|-------|---|---|-------|
| 11.7 | Sitting height range from floor (where feet rest) (A) | State , seat height range in inches. | _____ |
| 11.8 | Seat length/depth (B) | State , seat length/depth in inches. | _____ |
| 11.9 | Seat width (C) | State , seat width in inches. | _____ |
| 11.10 | Cab height from seat to roof (if applicable) (D) | State , cab height range in inches. | _____ |
| 11.11 | Back rest height (E) | State , back rest height in inches. | _____ |
| 11.12 | Seat travel range (F) | State , seat travel in inches. | _____ |
| 11.13 | Lumbar support | Is lumbar support provided (Y or N)? | _____ |
| 11.14 | Head rest | Is head rest provided (Y or N)? | _____ |
| 11.15 | Seat is made of breathable material | State , type of seat material | _____ |

Cargo Area

- 11.16 Lid opens to provide adequate space Lid opens to provide adequate space. _____
- 11.17 Loading height **State**, trunk height in inches. _____

Environment

- 11.18 Operator compartment is insulated from equipment noise (while operating) **State**, dBA inside cab while operating. _____
- 11.19 Operator insulated from equipment vibration Is operator insulated from vibration (**Y or N**)? _____
- 11.20 Heating/cooling systems **State**, cab temperature range. _____
- 11.21 Cab lighting **State**, lumens inside cab. _____

12.0 **WARRANTY**

- 12.1 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.
- 12.2 Basic coverage **State:** _____
- 12.3 Powertrain **State:** _____
- 12.4 Hydraulics warranty **State:** _____
- 12.5 Batteries warranty **State:** _____
- 12.6 Tires warranty **State:** _____
- 12.7 Electrical warranty **State:** _____

13.0 **DELIVERY**

- 13.1 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 _____
- 13.2 Delivery Time: To be delivered within the approximate time frame **March 1 to 15, 2019**. Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days. _____
- 13.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. _____
- 13.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list _____

14.0 **MANUALS**

14.1 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. _____

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

a) Operator's manual – Three (3) 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. _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

15.1 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 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 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. _____

16.0 **PARTS/LABOUR PRICING**

16.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount-** %_____

16.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount-** %_____