

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF 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

(Mailing address if different)

Email Address of Bidder

Facsimile Number

Street or P.O. Box

City

Province

Postal Code

(Choose one)

GST Registration Number (if applicable)

The Bidder is:

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

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

Contact Person

Title

Telephone Number

Facsimile Number

Email Address

4. Definitions

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

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

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

7. Contract The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

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

No.	Dated
_____	_____
_____	_____
_____	_____

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

10. Signatures The Bidder or the Bidder's authorized official or officials have signed this _____ day of _____, 20____.

Signature of Bidder or
Bidder's Authorized Official or Officials

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

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

FORM B: PRICES
(See B9)

SUPPLY AND DELIVERY OF OUT-FRONT MOWERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	38-39 HP open station out front mower with 72" mower (mulching blades) deck rear discharge	14004	Each	23	
2.	30 HP open station out front mower with 60" mower (mulching blades) deck rear discharge	14005	Each	3	
3.	38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom	14009	Each	4	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 14004

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe **38-39 HP open station out front mower with 72” mower deck rear discharge** and other equipment and features as specified herein.
- 1.2 The **38-39 HP open station out front mower with 72” mower deck rear discharge** shall be a new 2014 model year or newer.
- 1.3 The **38-39 HP open station out front mower with 72” mower deck rear discharge** and all other items/components shall be the manufacturer's latest model. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated and attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 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 **38-39 HP open station out front mower with 72” mower deck rear discharge** shall comply with the applicable regulations:

National Safety Mark, NSM = <http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>
GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html

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. Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days

upon request of the Contract Administrator.

4.0 REFERENCES

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

5.0 MAKE & MODEL

5.1 **State** make and model of the equipment bid- _____

6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

6.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

7.0 PERFORMANCE RELIABILITY

7.1 The responsibility for the design of the **38-39 HP open station out front mower with 72" mower deck rear discharge**, 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, or 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 **38-39 HP open station out front mower with 72" mower deck rear discharge** 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 **38-39 HP open station out front mower with 72" mower deck rear discharge** shall have five (5) years continuous experience manufacturing out-front mowers and associated.
- 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 **38-39 HP open station out front mower with 72" mower deck rear discharge** of the type being offered.

10.0 SPECIFICATIONS

DIMENSIONS

- | | | | |
|------|------------------|--|-------|
| 10.1 | Overall height | Approximately 78 in. | _____ |
| 10.2 | Overall length | Approximately 96 in. | _____ |
| 10.3 | Overall width- | Approximately 53 in. | _____ |
| 10.4 | Wheelbases | Approximately 51 in. | _____ |
| 10.5 | Ground clearance | Approximately 6.5 in. | _____ |
| 10.6 | Weight | Approximately 1500 -1900 lbs., state- | _____ |
| 10.7 | Tread width | Approximately Front 41 & Rear 40 in. | _____ |

TRAVELING SPEEDS

- | | | | |
|-------|-------------------------|----------|-------|
| 10.8 | Dual Range Travel Speed | Required | _____ |
| 10.9 | Forward | 20 km/h | _____ |
| 10.10 | Reverse | 11 km/h | _____ |

POWER TAKE OFF (PTO)

- | | | | |
|-------|------------|---|-------|
| 10.11 | PTO system | Independent live, Shaft Drive. PTO system shall have guarding for the driver shaft and mower deck pulley's and belts. | _____ |
| 10.12 | PTO clutch | Wet multi discs, hydraulic | _____ |
| 10.13 | Front | 2000-2600 rpm | _____ |

ENGINE

10.14	Engine Type	Tier IV Diesel Interim or Final, must meet current Emission Standards. Engine exhaust must be rear discharge Engine Hood-Engine hood to have prop rod or be tilt back Past center type design.	_____
10.15	Torque	State-	_____
10.16	Horse Power	Net (38-39 HP Item 1)	_____
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	Required	_____
10.22	Engine Hood	Flanges guard in order to protect operator's hand	_____

FUEL

10.23	Fuel Capacity	Approx.16 US gal.	_____
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ELECTRICAL

10.24	Alternator	40-60 Amp alternator	_____
10.25	Block heater	Required	_____
10.26	Engine shut-off	Electrically activated engine stop mechanism	_____
10.27	Gauges	Electric Fuel / engine temperature/ hour meter/ tachometer	_____
10.28	Indicator lights	Glow plugs, electrical charge, engine oil pressure	_____
10.29	Lights	tail reflectors	_____

DRIVE TRAIN/TRANSMISSION/STEERING

10.30	Transmission type	Hydrostatic 2 range hydro trans with hi and low.	_____
10.31	Number of ranges	2 (Forward & Reverse)	_____
10.32	HST pedal	One pedal or Two Pedals	_____
10.33	Clutch	Direct Shaft	_____
10.34	4-Wheel Drive	Full Time, with locking differential	_____
10.35	Mower drive	Shaft Drive, Front PTO	_____
10.36	Brakes	Disc, with parking brake	_____
10.37	Steering	Hydrostatic, with tilt, steering wheel	_____

TIRES- (All units to have a spare front and rear tire and rim per unit)

10.38	Front	Turf tire State Size	_____
10.39	Rear	Turf tire State Size	_____
10.40	Tire Make & Model-	State-	_____

MOWER DECK

10.41	Mower Deck	Rear Discharge with guarding	_____
10.42	Deck Thickness	Steel 7 gauge	_____
10.43	Cutting width	72" rear discharge Item 1	_____
10.44	Cutting Height	1"-5"	_____
10.45	Caster Wheels	Front solid deck wheel	_____
10.46	Weight Transfer	State, (Tension Springs not acceptable)	_____

STORAGE

10.47	Storage	Tool/storage box-Required to permit storage of hand tools and operator's manual.	_____
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SAFETY EQUIPMENT

10.48	ROPS	Standard, Certified, Foldable	_____
10.49	OPC	Operator's presence control required	_____
10.50	Seat belts	retractable seat belt required	_____
10.51	Parking brakes	Required	_____
10.52	Lights	Head Light required	_____
10.53	Back-up alarm	Required	_____
10.54	Safety	Slow-moving vehicle warning triangle, 2 lbs. ABC type fire extinguisher installed and fastened to rear of tractor (See Appendix A)	_____
10.55	Safety Lighting	Make and Model Hella MLB 100 (12-24VDC) Non magnetic (LED Micro Light bar) wired directly to the ignition, mounted slightly behind top centered, under ROPS. (See Appendix A)	_____

HYDRAULIC SYSTEM

10.56	Type	Open Centre	_____
10.57	Main pump	Gear type	_____
10.58	2-Point hitch	Standard	_____
10.59	Lift control type	Hydraulic	_____
10.60	Lift capacity	State lift capacity-	_____

11.0 WARRANTY

11.1 The Contractor shall warrant the equipment and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City any article that has become defective and not proven to have been caused by negligence on the part of the user for a period of **(2) years or no hour limit 'bumper to bumper'**. _____

11.2 **State** optional Warranty (Extended) 25-48 months or 2000 hour limit \$ _____

11.3 Warranty- (all warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information. _____

12.0 TRAINING

12.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel. The training shall be conducted in separate or combined sessions for each group of personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.

The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

Pricing should be based on two (2) business days for maintenance personnel and two (2) business days for operating personnel.

Note: The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator. _____

Training Aides:

- a) On the type of equipment being offered, **state if CD Rom training aides or on-line training are available-** _____

What is the recommended minimum training duration for: _____

Primary unit: _____
For major attachments (if applicable): _____

State what other training aids are available (videos, CDs). _____

For the primary unit: _____
For major attachments (if applicable): _____

Training Materials and applicable manuals or on-line training material information must be provided to the Operator Training Branch of at the earliest possible opportunity, no later than (4) weeks prior to delivery, when supplying vehicles, equipment and related attachments. Send these materials, preferably in both electronic format and hard copy (training videos are to be supplied on either CD or DVD) to: Equipment Operator Training Branch

960 Thomas Avenue
Winnipeg, MB
R2L 2E1

Leanne Guertin
Equipment Operator Training Consultant

Cell: 204-451-3793
Contact e-mail: lguertin@winnipeg.ca _____

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. _____

- 13.2 Delivery Time- Within **six to eight (6-8) calendar weeks** from the date of official notification of award of Contract. Equipment shall be delivered between 8:00 am and 3:00 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 is preferred where available. _____

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

- a) Operator's manual – Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch
- b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred.

FORM N: DETAILED SPECIFICATIONS 14005

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe **30 HP open station out front mower with 60" mower (mulching blades) deck rear** discharge and other equipment and features as specified herein.
- 1.2 The **30 HP open station out front mower with 60" mower (mulching blades) deck rear** shall be a new 2014 model year or newer.
- 1.3 The **30 HP open station out front mower with 60" mower (mulching blades) deck rear** 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 **30 HP open station out front mower with 60" mower (mulching blades) deck rear** shall comply with the applicable regulations:

National Safety Mark, NSM = <http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>
GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html

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. Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days

upon request of the Contract Administrator.

4.0 REFERENCES

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

5.0 MAKE & MODEL

5.1 **State** make and model of the equipment bid- _____

6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

6.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

7.0 PERFORMANCE RELIABILITY

7.1 The responsibility for the design of the **30 HP open station out front mower with 60" mower (mulching blades) deck rear**, 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, or 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 **30 HP open station out front mower with 60" mower (mulching blades) deck rear** 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 **30 HP open station out front mower with 60" mower (mulching blades) deck rear** shall have five (5) years continuous experience manufacturing out-front mowers and associated.
- 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 **30 HP open station out front mower with 60" mower (mulching blades) deck rear** of the type being offered.

10.0 SPECIFICATIONS

DIMENSIONS

- | | | | |
|------|------------------|---|-------|
| 10.1 | Overall height | Approximately 78 in. | _____ |
| 10.2 | Overall length | Approximately 96 in. | _____ |
| 10.3 | Overall width | Approximately 53 in. | _____ |
| 10.4 | Wheelbases | Approximately 51 in. | _____ |
| 10.5 | Ground clearance | Approximately 6.5 in. | _____ |
| 10.6 | Weight | Approximately 1500 -1900 lbs., state | _____ |
| 10.7 | Tread width | Approximately Front 41 & Rear 40 in. | _____ |

TRAVELING SPEEDS

- | | | | |
|-------|-------------------------|----------|-------|
| 10.8 | Dual Range Travel Speed | Required | _____ |
| 10.9 | Forward | 20 km/h | _____ |
| 10.10 | Reverse | 11 km/h | _____ |

POWER TAKE OFF (PTO)

- | | | | |
|-------|------------|---|-------|
| 10.11 | PTO system | Independent live, Shaft Drive. PTO system shall have guarding for the driver shaft and mower deck pulley's and belts. | _____ |
| 10.12 | PTO clutch | Wet multi discs, hydraulic | _____ |
| 10.13 | Front | 2000-2600 rpm | _____ |

ENGINE

10.14	Engine Type	Tier IV Diesel Interim or Final, must meet current Emission Standards. Engine exhaust must be rear discharge Engine Hood-Engine hood to have prop rod or be tilt back Past center type design.	_____
10.15	Torque	State-	_____
10.16	Horse Power	Net (30 HP Item 2)	_____
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	Required	_____
10.22	Engine Hood	Flanges guard in order to protect operator's hand	_____

FUEL

10.23	Fuel Capacity	Approx.16 US gal.	_____
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ELECTRICAL

10.24	Alternator	40-60 Amp alternator	_____
10.25	Block heater	Required	_____
10.26	Engine shut-off	Electrically activated engine stop mechanism	_____
10.27	Gauges	Electric Fuel / engine temperature/ hour meter/ tachometer	_____
10.28	Indicator lights	Glow plugs, electrical charge, engine oil pressure	_____
10.29	Lights	Tail reflectors	_____

DRIVE TRAIN/TRANSMISSION/STEERING

10.30	Transmission type	Hydrostatic 2 range hydro trans with hi and low.	_____
10.31	Number of ranges	2 (Forward & Reverse)	_____
10.32	HST pedal	One pedal or Two Pedals	_____
10.33	Clutch	Direct Shaft	_____
10.34	4-Wheel Drive-	Full Time, with locking differential	_____
10.35	Mower drive	Shaft Drive, Front PTO	_____
10.36	Brakes-	Disc, with parking brake	_____

10.37 Steering- Hydrostatic, with tilt, steering wheel _____
TIRES- (All units to have a spare front and rear tire and rim per unit)

10.38 Front Turf tire State Size _____

10.39 Rear Turf tire State Size _____

10.40 Tire Make & Model **State** _____

MOWER DECK

10.41 Mower Deck Rear Discharge with guarding _____

10.42 Deck Thickness Steel 7 gauge _____

10.43 Cutting width 60" rear discharge Item 2 _____

10.44 Cutting Height 1"-5" _____

10.45 Caster Wheels Front solid deck wheel _____

10.46 Weight Transfer State: **(Tension Springs not acceptable)** _____

STORAGE

10.47 Storage Tool/storage box-Required to permit storage of hand tools and operator's manual. _____

SAFETY EQUIPMENT

10.48 ROPS Standard, Certified, Foldable _____

10.49 OPC Operator's presence control required _____

10.50 Seat belts retractable seat belt required _____

10.51 Parking brakes Required _____

10.52 Lights Head Light required _____

10.53 Back-up alarm Required _____

10.54 Safety Slow-moving vehicle warning triangle, 2 lbs.
ABC type fire extinguisher installed and fastened to rear of tractor (See Appendix A) _____

10.55 Safety Lighting Make and Model Hella MLB 100 (12-24VDC)
Non magnetic (LED Micro Light bar) wired directly to the ignition, mounted slightly behind top centered, under ROPS. (See Appendix A) _____

HYDRAULIC SYSTEM

10.56	Type	Open Centre	_____
10.57	Main pump	Gear type	_____
10.58	2-Point hitch	Standard	_____
10.59	Lift control type	Hydraulic	_____
10.60	Lift capacity	State lift capacity	_____

11.0 WARRANTY

- 11.1 The Contractor shall warrant the equipment and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City any article that has become defective and not proven to have been caused by negligence on the part of the user for a period of (2) years or no hour limit 'bumper to bumper'.
- 11.2 **State** optional Warranty (Extended) 25-48 months or 2000 hour limit \$ _____
- 11.3 Warranty- (all warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information. _____

12.0 TRAINING

- 12.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel. The training shall be conducted in separate or combined sessions for each group of personnel.
- The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.
- The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.
- The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.
- Pricing should be based on two (2) business days for maintenance personnel and two (2) business days for operating personnel.
- Note: The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator. _____

Training Aides:

- a) On the type of equipment being offered, **state if CD Rom training aides or on-line training are available-** _____

What is the recommended minimum training duration for: _____

Primary unit: _____
For major attachments (if applicable): _____

State what other training aids are available (videos, CDs). _____

For the primary unit: _____
For major attachments (if applicable): _____

Training Materials and applicable manuals or on-line training material information must be provided to the Operator Training Branch of at the earliest possible opportunity, no later than (4) weeks prior to delivery, when supplying vehicles, equipment and related attachments. Send these materials, preferably in both electronic format and hard copy (training videos are to be supplied on either CD or DVD) to: Equipment Operator Training Branch

960 Thomas Avenue
Winnipeg, MB
R2L 2E1

Leanne Guertin
Equipment Operator Training Consultant

Cell: 204-451-3793
Contact e-mail: lguertin@winnipeg.ca _____

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. _____

- 13.2 Delivery Time- Within **six to eight (6-8) calendar weeks** from the date of official notification of award of Contract. Equipment shall be delivered between 8:00 am and 3:00 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 is preferred where available. _____

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

- a) Operator's manual – Two (2) per unit (one operators manual shall be sent to the Equipment Operator Training Branch
- b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred.

FORM N: DETAILED SPECIFICATIONS 14009

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe **38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom** and other equipment and features as specified herein.
- 1.2 The **38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom** shall be a new 2014 model year or newer.
- 1.3 The **38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom** and all other items/components shall be the manufacturer's latest model. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated and attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 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 **38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom** shall comply with the applicable regulations:

National Safety Mark, NSM = <http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>
GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html

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. Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

4.0 **REFERENCES**

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

5.0 **MAKE & MODEL**

- 5.1 **State** make and model of the equipment bid- _____

6.0 **INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

- 6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

- 6.2 All items in these specifications must be answered indicating compliance or non-compliance. **BIDDERS SHALL STATE "YES" FOR COMPLIANCE OR STATE DEVIATION**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

- 6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

7.0 **PERFORMANCE RELIABILITY**

- 7.1 The responsibility for the design of the **38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom**, 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, or 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 **38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom** 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 **38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom** shall have five (5) years continuous experience manufacturing out-front mowers and associated.

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 **38-39 HP cab unit out front mower with mower (mulching blades) deck rear discharge with front mounted snow blower, rotary broom** of the type being offered.

10.1 SPECIFICATIONS

DIMENSIONS

10.1	Overall height	Approximately 78 in.	_____
10.2	Overall length	Approximately 96 in.	_____
10.3	Overall width	Approximately 53 in.	_____
10.4	Wheelbases	Approximately 51 in.	_____
10.5	Ground clearance	Approximately 6.5 in.	_____
10.6	Weight	Approximately 1500 -1900 lbs., state-	_____
10.7	Tread width	Approximately Front 41 & Rear 40 in.	_____

TRAVELING SPEEDS

10.8	Dual Range Travel Speed	Required	_____
10.9	Forward	20 km/h	_____
10.10	Reverse	11 km/h	_____

POWER TAKE OFF (PTO)

10.11	PTO system	Independent live, Shaft Drive. PTO system shall have guarding for the driver shaft and mower deck pulley's and belts.	_____
10.12	PTO clutch	Wet multi discs, hydraulic	_____
10.13	Front	2000-2600 rpm	_____

ENGINE

10.14	Engine Type	Tier IV Diesel Interim or Final, must meet current Emission Standards. Engine exhaust must be rear discharge Engine Hood-Engine hood to have prop rod or be tilt back Past center type design.	_____
10.15	Torque	State-	_____
10.16	Horse Power	Net (38-39 HP Item 3)	_____
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	Required	_____
10.22	Engine Hood	Flanges guard in order to protect operator's hand	_____

FUEL

10.23	Fuel Capacity	Approx.16 US gal.	_____
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ELECTRICAL

10.24	Alternator	40-60 Amp alternator	_____
10.25	Block heater	Required	_____
10.26	Engine shut-off	Electrically activated engine stop mechanism	_____
10.27	Gauges	Electric Fuel / engine temperature/ hour meter/ tachometer	_____
10.28	Indicator lights	Glow plugs, electrical charge, engine oil pressure	_____
10.29	Lights	tail reflectors	_____

DRIVE TRAIN/TRANSMISSION/STEERING

10.30	Transmission type	Hydrostatic 2 range hydro trans with hi and low.	_____
10.31	Number of ranges	2 (Forward & Reverse)	_____
10.32	HST pedal	One pedal or Two Pedals	_____
10.33	Clutch	Direct Shaft	_____
10.34	4-Wheel Drive-	Full Time, with locking differential	_____
10.35	Mower drive	Shaft Drive, Front PTO	_____
10.36	Brakes-	Disc, with parking brake	_____
10.37	Steering-	Hydrostatic, with tilt, steering wheel	_____

TIRES- (All units to have a spare front and rear tire and rim per unit)

10.38	Front	Turf tire State Size	_____
10.39	Rear	Turf tire State Size	_____
10.40	Tire Make & Model-	State-	_____

MOWER DECK

10.41	Mower Deck	Rear Discharge with guarding	_____
10.42	Deck Thickness	Steel 7 gauge	_____
10.43	Cutting width	60" rear discharge (Item 3 quantity=2)	_____
		72" rear discharge (Item 3 quantity=2)	_____
10.44	Cutting Height	1"-5"	_____
10.45	Caster Wheels	Front solid deck wheel	_____
10.46	Weight Transfer	State: (Tension Springs not acceptable)	_____

STORAGE

10.47	Storage	Tool/storage box-Required to permit storage of hand tools and operator's manual.	_____
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SAFETY EQUIPMENT

10.48	ROPS	Standard, Certified, Foldable	_____
10.49	OPC	Operator's presence control required	_____
10.50	Seat belts	retractable seat belt required	_____
10.51	Parking brakes	Required	_____
10.52	Lights	Head Lights required	_____
10.53	Back-up alarm	Required	_____
10.54	Safety-	Slow-moving vehicle warning triangle fastened to rear of tractor. 2lbs ABC type fire extinguisher installed and fastened in cab with quick release.	_____
10.55	Safety Lighting	Lights shall be Whelen TIR3 LED, model# RS*03ZCR. There shall be and amber light located in all 4 corners of the cab and a blue light located in all 4 corners of the cab to achieve 360 degree visibility. Amber and Blue lights shall be wired independently labelled amber, blue.	_____

HYDRAULIC SYSTEM

10.56	Type	Open Centre	_____
10.57	Main pump	Gear type	_____
10.58	2-Point hitch	Standard	_____
10.59	Lift control type	Hydraulic	_____
10.60	Lift capacity	State lift capacity	_____

CAB

10.61	Heat	Required	_____
10.62	Air Conditioning	State optional pricing for air conditioning-	_____
10.63	Wipers	Front & rear	_____
10.64	ROPS	Solid-welded ROPS frame ROPS meets current safety Standards (OSHA 1928 and CSA B352 ROPS)	_____
10.65	Roof	Composite roof/headliner	_____
10.66	Headliner	Fully upholstered headliner	_____
10.67	Glass	Tinted glass	_____
10.68	Doors	Left and Right all glass doors	_____
10.69	Floor Mat	Heavy duty floor mat	_____
10.70	Isolators	Heavy duty cab frame isolators to prevent vibration	_____
10.71	Grab Handle	Exterior Grab Handle required	_____
10.72	Work Lights	Front & Rear work lights	_____
10.73	Flashers 4-way	LED flashers with directional signals	_____
10.74	Interior Fan	One defrost air circulation fan required	_____
10.75	Interior mirror	Required	_____
10.76	Exterior convex mirrors	Required	_____

SNOW BLOWER

10.77	Cutting Width	50-51" Cutting Width with replaceable cutting edge (See Item 3 quantity= 2)	_____
		60" Cutting Width with replaceable cutting edge (See Item 3 quantity= 2)	_____
10.78	Type	Hydraulic Chute and Deflector, Two Stage Snow Blower with shear pins, Guarding, Heavy duty blower shoes	_____
10.79	Design	Quick Hitch Design, with applicable counter weight included	_____
10.80	Lift	Shaft Drive, Hydraulic Lift	_____
10.81	Chute	Hydraulic Chute	_____

10.82 Remote Valves Dual auxiliary hydraulic remote valve set to operate the hydraulic chute rotator, and the hydraulic chute deflector _____

Rotary Broom

10.83 Rotary Broom Approximately 50-51" Width (See Item 3 quantity= 2) _____
Approximately 60" Width (See Item 3 quantity= 2) _____

11.0 WARRANTY

11.1 The Contractor shall warrant the equipment and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City any article that has become defective and not proven to have been caused by negligence on the part of the user for a period of (2) years or no hour limit 'bumper to bumper'.

11.2 **State** optional Warranty (Extended) 25-48 months or 2000 hour limit \$ _____

11.3 Warranty- (all warranty information shall be detailed and include all exclusions. The successful bidder shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information. _____

12.0 TRAINING

12.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel. The training shall be conducted in separate or combined sessions for each group of personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the date of delivery and shall be coordinated through the Contract Administrator.

The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

Pricing should be based on two (2) business days for maintenance personnel and two (2) business days for operating personnel.

Note: The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator. _____

Training Aides:

a) On the type of equipment being offered, **state**

if CD Rom training aides or on-line training are available- _____

What is the recommended minimum training duration for:

Primary unit: _____

For major attachments (if applicable): _____

State what other training aids are available (videos, CDs).

For the primary unit: _____

For major attachments (if applicable): _____

Training Materials and applicable manuals or on-line training material information must be provided to the Operator Training Branch of _____ at the earliest possible opportunity, no later than (4) weeks prior to delivery, when supplying vehicles, equipment and related attachments. Send these materials, preferably in both electronic format and hard copy (training videos are to be supplied on either CD or DVD) to: Equipment Operator Training Branch

960 Thomas Avenue
Winnipeg, MB
R2L 2E1

Leanne Guertin
Equipment Operator Training Consultant

Cell: 204-451-3793
Contact e-mail: lguertin@winnipeg.ca _____

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. _____

13.2 Delivery Time- Within **six to eight (6-8) calendar weeks** from the date of official notification of award of Contract. Equipment shall be delivered between 8:00 am and 3:00 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 is preferred where available. _____

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

- a) Operator's manual – Two (2) per unit (one operators manual shall be sent to the Equipment Operator Training Branch _____)
- b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred. _____