FORM A: BID (See B8)

1.	Contract Title	SUPPLY AND DELIVE	RY OF AG TRACTORS	
2.	Bidder			
		Name of Bidder		
		Usual Business Name of Bido	ler 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 ur	der the above name.	
3.	Contact Person	The Bidder hereby authors the Bidder for purposes	norizes the following contact pe of the Bid.	erson to represent
		Contact Person	Title	
		Telephone Number	Facsimile Number	
		Email Address		
1	Definitions	All capitalized terms u	ised in the Contract shall ha	ve the meanings

ascribed to them in the General Conditions and D3.

5.	Offer	The Bidder hereby offers to perform the Work in accordance with a Contract for the price(s), in Canadian funds, set out on Form B: Price 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 a agrees that they shall be deemed to form a part of the Contract:	and	
		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 the	nis	
		, 20 , 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

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Ag Tractor 40HP PTO (Open Station)	14040	Each	2	
1a.	Ag Tractor 40HP PTO (Open Station) w/Option 1: Ag Tires	14040	Each	2	
2.	Ag Tractor 40HP PTO with Cab	14041	Each	2	
3.	Ag Tractor 60HP PTO (Open Station)	14042	Each	3	
4.	Ag Tractor 60HP PTO with Cab	14043	Each	3	
5.	Ag Tractor 20HP PTO with Cab	14045	Each	1	

Name of Bidder		

FORM N: DETAILED SPECIFICATIONS 14040

AG TRACTOR (40HP PTO) OPEN STATION

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an <u>Ag Tractor</u> and other equipment and features as specified herein.
- 1.2 The **Ag Tractor** shall be a new 2014 model year or newer.
- 1.3 The <u>Ag Tractor</u> 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.

The City of Winnipeg Bid Opportunity No. 1012-2014

Template Version: F020140815 - Fleet

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.
- 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 <u>Ag Tractor</u>, 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 <u>Ag Tractor</u> 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 <u>FUEL</u>

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 <u>Ag Tractor</u> 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:**

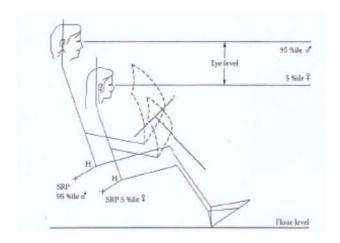
	ENGINE	
10.1	Engine Type	Diesel, state manufacturer
10.2	Tier	Tier IV interim or final, state
10.3	Engine HP (Gross)	48 HP
10.4	PTO HP	40 HP
10.5	Rated speed, RPM	State rated RPM Speed
10.6	Air cleaner	Dry type air cleaner
10.7	Fuel tank capacity	State capacity
10.8	Throttle	Hand or foot throttle control, state
10.9	Engine block heater	Cold weather operation
	ELECTRICAL	
10.10	Alternator	Approx. 60 Amps, State
	DRIVE TRAIN	
10.11	DRIVE TRAIN Transmission	Hydrostatic transmission 4 wheel drive
10.11 10.12		Hydrostatic transmission 4 wheel drive State, No. of speeds for forward and reverse
	Transmission	State, No. of speeds for forward and
10.12	Transmission No. of speeds	State, No. of speeds for forward and reverse
10.12	Transmission No. of speeds Brakes	State, No. of speeds for forward and reverse Wet, multi disc
10.12 10.13 10.14	Transmission No. of speeds Brakes Steering	State, No. of speeds for forward and reverse Wet, multi disc Hydrostatic power steering
10.12 10.13 10.14	Transmission No. of speeds Brakes Steering	State, No. of speeds for forward and reverse Wet, multi disc Hydrostatic power steering
10.12 10.13 10.14	Transmission No. of speeds Brakes Steering Drive	State, No. of speeds for forward and reverse Wet, multi disc Hydrostatic power steering
10.12 10.13 10.14 10.15	Transmission No. of speeds Brakes Steering Drive	State, No. of speeds for forward and reverse Wet, multi disc Hydrostatic power steering 4x4 (4 wheel drive)
10.12 10.13 10.14 10.15	Transmission No. of speeds Brakes Steering Drive PTO Type	State, No. of speeds for forward and reverse Wet, multi disc Hydrostatic power steering 4x4 (4 wheel drive) Full independent of manual
10.12 10.13 10.14 10.15	Transmission No. of speeds Brakes Steering Drive PTO Type	State, No. of speeds for forward and reverse Wet, multi disc Hydrostatic power steering 4x4 (4 wheel drive) Full independent of manual

10.19	Total flow	State total gpm flow
10.20	Hitch lift	State hitch lift capacity
10.21	Hitch category	Category I (3) point hitch
10.22	Adjustable stabilizer linkage	To secure rear mounted attachments (check chains not acceptable).
	OPERATOR STATION	
10.23	Instrumentation	Alternates, warning light- engine oil pressure light. Gauges – water, fuel, tachometer w/ hour meter
10.24	Work lights	Front and rear work lights
10.25	Seat	Adjustable seat, with suspension air or mechanical, state type
10.26	Fire extinguisher	Five (5) lbs. High volume ABC type, State location
10.27	First aid kit	State location
10.28	Safety lighting	Make and Model: Whelen L32 Series Super-LED, SAE Class 1 (or equivalent) Blue/Amber (individual control) Low Dome Beacon, permanent mount on top of ROPS. 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 the summer will only turn on the amber lights.
10.29	Signal lights	Safety flasher and turn signals
10.30	Slow moving sign	Slow-moving vehicle warning triangle
10.31	Light socket	7 pin connector implement light socket
10.32	Remote control valves	Two (2) pairs

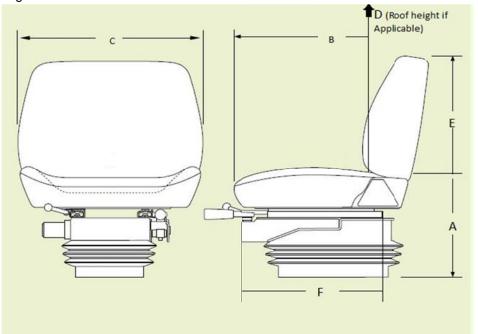
OPERATOR STATION ERGONOMICS

applicable) (D)

10.33 Cab or station layout should provide a comfortable seating position for the 5th to the 95th percentile of personnel. Figure 1 below illustrates the variance between a 5th to a 95th percentile of North American males and females when seated.



10.34 Figure 2: Use the below diagram to answer the specifications for Operator Station Ergonomics.



10.35	Sitting height range from floor (where feet rest) (A)	State, seat height range in inches	
10.36	Seat length/depth (B)	State, seat length/depth in inches	
10.37	Seat width (C)	State, seat width in inches	
10.38	Cab height from seat to roof (if	State, cab height range in inches	

10.39	Back rest height (E)	State, back rest height in inches	
10.40	Seat travel range (F)	State, seat travel in inches	
10.41	Include any other relevant ergonomic specifications and applicable range of adjustment		
	TIRES		
	Note: Options to be priced only as in	ndicated on From B: Prices	
10.42	Tire size, turf	Turf tires Tread-R3, state tire size, make/model, front and rear	
10.43	Option 1: Tire size, agricultural tires	Agricultural tires Tread-R1, state tire size, make/model, front and rear	
	<u>DIMENSIONS</u>		
10.44	Length	State overall length with 3 point hitch	
10.45	Width	State overall width in inches	
10.46	Wheelbase	State wheelbase in inches	
10.47	Height	State height to top of open station (ROPS) in inches	
10.48	Total operating weight	State total weight with ROPS	
10.49	Radius	State turning radius	
10.50	Total operating weight	State weight with ROPS	
11.0	WARRANTY		
11.1	Basic coverage	(Complete Machine) Warranty 2 years, 2000 hours	
11.2	Power train	(Engine, Transmission) Warranty 2 years 2000 hours	
11.3	Hydraulics warranty	(Hydraulics) Warranty 2 years, 2000 hours	
11.4	Batteries warranty	(Batteries) Warranty 1 year	
11.5	Tires warranty	(Tires) Warranty 1 year	
11.6	Electrical warranty	(Electrical) Warranty 2 years, 2000 hours	
11.7	All warranty information shall be detailed successful bidder shall provide all publishe equipment. Bidder shall state all was	ished warranty information upon delivery of	

12.0 **DELIVERY**

12.1	Delivery Point: The complete unit shall be serviced, ready for operation	
	and delivered F.O.B. with the freight prepaid, including invoice and N.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	
12.2	Delivery Time: <u>Sixteen to eighteen (16-18) calendar weeks</u> from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days.	
12.3	Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment.	
12.4	P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list	
13.0	MANUALS	
13.1	Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.	
13.2	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 14041

AG TRACTOR (40HP PTO) WITH CAB

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an <u>Ag Tractor</u> and other equipment and features as specified herein.
- 1.2 The **Ag Tractor** shall be a new 2014 model year or newer.
- 1.3 The <u>Ag Tractor</u> 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.

The City of Winnipeg Bid Opportunity No. 1012-2014

Template Version: F020140815 - Fleet

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.
- 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 <u>Ag Tractor</u>, 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 <u>Ag Tractor</u> 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 <u>FUEL</u>

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 <u>Ag Tractor</u> 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:**

	<u>ENGINE</u>	
10.1	Engine type	Diesel, state manufacturer
10.2	Tier	Tier IV interim or final, state
10.3	Engine HP (Gross)	48 HP
10.4	PTO HP	40 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. 75 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)
	<u>PTO</u>	
10.16	Туре	Full independent of manual
10.17	Rear (rpm)	Approx. 540 rpm
	<u>HYDRAULICS</u>	
10.18	Pump gpm	State gpm

10.19	Total flow	State total gpm flow	
10.20	Hitch lift	State hitch lift capacity	
10.21	Hitch category	Category I (3) point hitch	
10.22	Adjustable stabilizer linkage	To secure rear mounted attachments (check chains not acceptable).	
	CAB		
10.23	Instrumentation	Alternates, warning light- engine oil pressure light. Gauges – water, fuel, tachometer w/ hour meter	
10.24	Cab	Cab with heat and A/C with ROPS with seat belt	
10.25	Radio	AM/FM/CD or MP3	
10.26	Work lights	Front and rear work lights	
10.27	Seat	Adjustable seat, with suspension air or mechanical, state type	
10.28	Wipers	Front and rear wiper/washer	
10.29	Air circulation	Cab air recirculation	·
10.30	Roof vent	Preferred but not required, state	
10.31	Cutter/breaker	Combination seat belt cutter and glass breaker	
10.32	Fire extinguisher	Five (5) lbs. High volume ABC type, State location	
10.33	First aid kit	State location	
10.34	Safety lighting	Make and Model: Whelen L32 Series Super-LED, SAE Class 1 (or equivalent) 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 the summer will only turn on the amber lights.	
10.35	Slow moving sign	Slow-moving vehicle warning triangle	

OPERATOR STATION ERGONOMICS

10.36 Cab or station layout should provide a comfortable seating position for the 5th to the 95th percentile of personnel. Figure 1 below illustrates the variance between a 5th to a 95th percentile of North American males and females when seated.

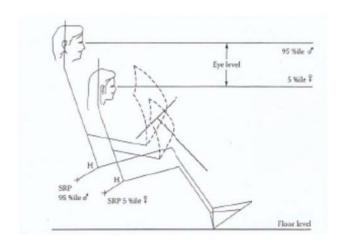
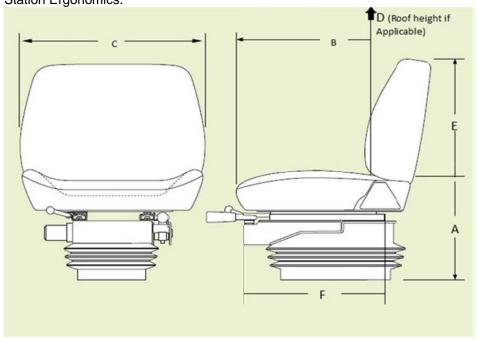


Figure 2: Use the below diagram to answer the specifications for Operator Station Ergonomics.



10.37	Sitting height range from floor (where feet rest) (A)	State, seat height range in inches
10.38	Seat length/depth (B)	State, seat length/depth in inches
10.39	Seat width (C)	State, seat width in inches
10.40	Cab height from seat to roof (if applicable) (D)	State, cab height range in inches
10.41	Back rest height (E)	State, back rest height in inches

10.42	Seat travel range (F)	State, seat travel in inches	
10.43	Include any other relevant ergonomic specifications and applicable range of adjustment		
	ELECTRICAL & REMOTE VALVES		
10.44	Light socket	7 pin connector implement light socket	
10.45	Remote control valves	Two (2) pairs	
	<u>TIRES</u>		
10.46	Tire size, turf	Turf tires, state tire size, make/model, front and rear	
	DIMENSIONS		
10.47	Length	State overall length with 3 point hitch	
10.48	Width	State overall width in inches	
10.49	Wheelbase	State wheelbase in inches	
10.50	Height	State height to top of cab in inches	
10.51	Weight	State total operating weight	
10.52	Radius	State turning radius	
11.0	WARRANTY		
11.1	Basic coverage	(Complete Machine) Warranty 2 years, 2000 hours	
11.2	Power train	(Engine, Transmission) Warranty 2 years 2000 hours	
11.3	Hydraulics warranty	(Hydraulics) Warranty 2 years, 2000 hours	
11.4	Batteries warranty	(Batteries) Warranty 1 year	
11.5	Tires warranty	(Tires) Warranty 1 year	
11.6	Electrical warranty	(Electrical) Warranty 2 years, 2000 hours	
11.7	All warranty information shall be detailed successful bidder shall provide all public of the equipment. Bidder shall state all	shed warranty information upon delivery	

12.0 **DELIVERY**

12.1	Delivery Point: The complete unit shall be serviced, ready for operation	
	and delivered F.O.B. with the freight prepaid, including invoice and N.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	
12.2	Delivery Time: <u>Sixteen to eighteen (16-18) calendar weeks</u> from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days.	
12.3	Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment.	
12.4	P.D.I: A pre-delivery inspection shall be performed by the Contractor on the	
13.0	equipment. Proof upon inspection including completed check list MANUALS	
13.1	Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.	
13.2	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 14042

AG TRACTOR (60HP PTO) OPEN STATION

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an <u>Ag Tractor</u> and other equipment and features as specified herein.
- 1.2 The **Ag Tractor** shall be a new 2014 model year or newer.
- 1.3 The <u>Ag Tractor</u> 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.

The City of Winnipeg Bid Opportunity No. 1012-2014

Template Version: F020140815 - Fleet

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.
- 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 <u>Ag Tractor</u>, 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 <u>Ag Tractor</u> 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 <u>FUEL</u>

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 <u>Ag Tractor</u> 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

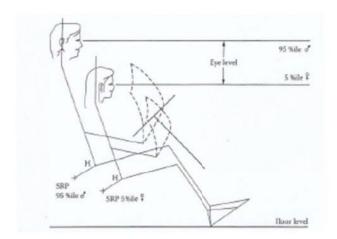
	<u>ENGINE</u>	
10.1	Engine Type	Diesel, state manufacturer
10.2	Tier	Tier IV interim or final, state
10.3	Engine HP (Gross)	70 HP
10.4	PTO HP	60 HP
10.5	Rated speed, RPM	State rated RPM Speed
10.6	Air cleaner	Dry type air cleaner
10.7	Fuel tank capacity	State capacity
10.8	Throttle	Hand or foot throttle control, state
10.9	Engine block heater	Cold weather operation
	ELECTRICAL	
10.10	Alternator	Approx. 60 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)
	<u>PTO</u>	
10.16	Туре	Full independent of manual
10.17	Rear (rpm)	Approx. 540 rpm
	<u>HYDRAULICS</u>	
10.18	Hydraulic pump gpm	State gpm

10.19	Total flow	State total gpm flow	
10.20	Hitch lift	State hitch lift capacity	
10.21	Hitch category	Adjustable category I and II (3) point hitch	
10.22	Adjustable stabilizer linkage	To secure rear mounted attachments (check chains not acceptable).	
	OPERATOR STATION		
10.23	Instrumentation	Alternates, warning light- engine oil pressure light. Gauges – water, fuel, tachometer w/ hour meter	
10.24	Work lights	Front and rear work lights	
10.25	Seat	Adjustable seat, with suspension air or mechanical, state type	
10.26	Fire extinguisher	Five (5) lbs. High volume ABC type, State location	
10.27	First aid kit	State location	
10.28	Safety lighting	Make and Model: Whelen L32 Series Super-LED, SAE Class 1 (or equivalent) Blue/Amber (individual control) Low Dome Beacon, permanent mount on top of ROPS. 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 the summer will only turn on the amber	
		lights .	
10.29	Signal lights	lights . Safety flasher and turn signals	
10.29 10.30	Signal lights Slow moving sign		
		Safety flasher and turn signals	

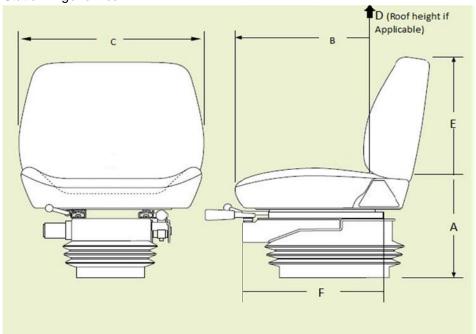
OPERATOR STATION ERGONOMICS

applicable) (D)

10.33 Cab or station layout should provide a comfortable seating position for the 5th to the 95th percentile of personnel. Figure 1 below illustrates the variance between a 5th to a 95th percentile of North American males and females when seated.



10.34 Figure 2: Use the below diagram to answer the specifications for Operator Station Ergonomics.



10.35	Sitting height range from floor (where feet rest) (A)	State, seat height range in inches
10.36	Seat length/depth (B)	State, seat length/depth in inches
10.37	Seat width (C)	State, seat width in inches
10.38	Cab height from seat to roof (if	State, cab height range in inches

10.39	Back rest height (E)	State, back rest height in inches	
10.40	Seat travel range (F)	State, seat travel in inches	
10.41	Include any other relevant ergonomic specifications and applicable range of adjustment		
	TIRES		
10.42	Tire size, turf	Turf tires, state tire size, make/model, front and rear	
	<u>DIMENSIONS</u>		
10.43	Length	State overall length with 3 point hitch	
10.44	Width	State overall width in inches	
10.45	Wheelbase	State wheelbase in inches	
10.46	Height	State height to top of open station (ROPS) in inches	
10.47	Total operating weight	State total weight with ROPS	
10.48	Radius	State turning radius	
10.49	Total operating weight	State weight with ROPS	
11.0	WARRANTY		
11.1	Basic coverage	(Complete Machine) Warranty 2 years, 2000 hours	
11.2	Power train	(Engine, Transmission) Warranty 2 years 2000 hours	
11.3	Hydraulics warranty	(Hydraulics) Warranty 2 years, 2000 hours	
11.4	Batteries warranty	(Batteries) Warranty 1 year	
11.5	Tires warranty	(Tires) Warranty 1 year	
11.6	Electrical warranty	(Electrical) Warranty 2 years, 2000 hours	
11.7	All warranty information shall be detaile successful bidder shall provide all publ of the equipment. Bidder shall state all	ished warranty information upon delivery	

12.0 **DELIVERY**

12.1	Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.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	
12.2	Delivery Time: Sixteen to eighteen (16-18) calendar weeks from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days.	
12.3	Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment.	
12.4	P.D.I: A pre-delivery inspection shall be performed by the Contractor on the	
	equipment. Proof upon inspection including completed check list	
13.0	MANUALS	
13.1	Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.	
13.2	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 14043

AG TRACTOR (60HP PTO) WITH CAB

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an <u>Ag Tractor</u> and other equipment and features as specified herein.
- 1.2 The **Ag Tractor** shall be a new 2014 model year or newer.
- 1.3 The <u>Ag Tractor</u> 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.

The City of Winnipeg Bid Opportunity No. 1012-2014

Template Version: F020140815 - Fleet

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.
- 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 <u>Ag Tractor</u>, 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 <u>Ag Tractor</u> 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 <u>FUEL</u>

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 <u>Ag Tractor</u> 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**

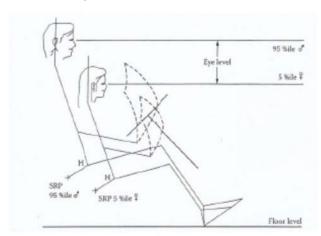
	ENGINE	
10.1	Engine type	Diesel, state manufacturer
10.2	Tier	Tier IV interim or final, state
10.3	Engine HP (Gross)	70 HP
10.4	PTO HP	60 HP
10.5	Rated speed, RPM	State rated RPM Speed
10.6	Air cleaner	Dry type air cleaner
10.7	Fuel tank capacity	State capacity
10.8	Throttle	Hand or foot throttle control, state
10.9	Engine block heater	Cold weather operation
	ELECTRICAL	
10.10	Alternator	Approx. 75 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)
	PTO	
10.16	Туре	Full independent of manual
10.17	Rear PTO (rpm)	Approx. 540 rpm
10.18	Mid PTO (rpm)	Approx. 2000 rpm

HYDRAULICS

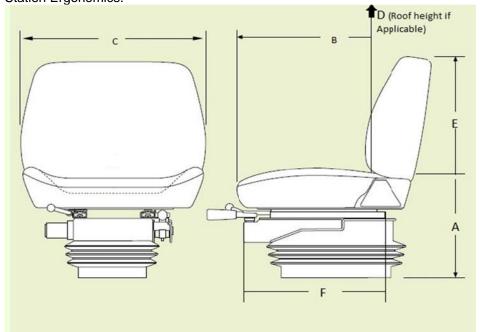
10.19	Pump gpm	State gpm	
10.20	Total flow	State total gpm flow	
10.21	Hitch lift	State hitch lift capacity	
10.22	Hitch category	Adjustable category I and II (3) point hitch	
10.23	Adjustable stabilizer linkage	To secure rear mounted attachments (check chains not acceptable).	
	CAB		
10.24	Instrumentation	Alternates, warning light- engine oil pressure light. Gauges – water, fuel, tachometer w/ hour meter	
10.25	Cab	Cab with heat and A/C with ROPS with seat belt	
10.26	Radio	AM/FM/CD or MP3	
10.27	Work lights	Front and rear work lights	
10.28	Seat	Adjustable seat, with suspension air or mechanical, state type	
10.29	Wipers	Front and rear wiper/washer	
10.30	Air circulation	Cab air recirculation	
10.31	Roof vent	Preferred but not required, state	
10.32	Cutter/breaker	Combination seat belt cutter and glass breaker	
10.33	Fire extinguisher	Five (5) lbs. High volume ABC type, State location	
10.34	First aid kit	State location	
10.35	Safety lighting	Make and Model: Whelen L32 Series Super-LED, SAE Class 1 (or equivalent) 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 the summer will only turn on the amber lights.	
10.36	Slow moving sign	Slow-moving vehicle warning triangle	

OPERATOR STATION ERGONOMICS

10.37 Cab or station layout should provide a comfortable seating position for the 5th to the 95th percentile of personnel. Figure 1 below illustrates the variance between a 5th to a 95th percentile of North American males and females when seated.



10.38 Figure 2: Use the below diagram to answer the specifications for Operator Station Ergonomics.



10.39	Sitting height range from floor (where feet rest) (A)	State, seat height range in inches
10.40	Seat length/depth (B)	State, seat length/depth in inches
10.41	Seat width (C)	State, seat width in inches
10.42	Cab height from seat to roof (if applicable) (D)	State, cab height range in inches
10.43	Back rest height (E)	State, back rest height in inches

10.44	Seat travel range (F)	State, seat travel in inches	
10.45	Include any other relevant ergonomic specifications and applicable range of adjustment		
	ELECTRICAL & REMOTE VALVES		
10.46	Light socket	7 pin connector implement light socket	
10.47	Remote control valves	Two (2) pairs	
	TIRES		
10.48	Tire size, turf	Turf tires, state tire size, make/model, front and 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	
11.0	WARRANTY		
11.1	Basic coverage	(Complete Machine) Warranty 2 years, 2000 hours	
11.2	Power train	(Engine, Transmission) Warranty 2 years 2000 hours	
11.3	Hydraulics warranty	(Hydraulics) Warranty 2 years, 2000 hours	
11.4	Batteries warranty	(Batteries) Warranty 1 year	
11.5	Tires warranty	(Tires) Warranty 1 year	
11.6	Electrical warranty	(Electrical) Warranty 2 years, 2000 hours	
11.7	All warranty information shall be detailed successful bidder shall provide all public of the equipment. Bidder shall state all	ished warranty information upon delivery	

12.0 **DELIVERY**

12.1	Delivery Point: The complete unit shall be serviced, ready for operation	
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13.0	<u>MANUALS</u>	
13.1	Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.	
13.2	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 14045

AG TRACTOR (20HP PTO) WITH CAB

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe an <u>Ag Tractor</u> and other equipment and features as specified herein.
- 1.2 The **Ag Tractor** shall be a new 2014 model year or newer.
- 1.3 The <u>Ag Tractor</u> 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.
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- 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.

The City of Winnipeg Bid Opportunity No. 1012-2014 Bid Submission Page 33 of 38

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4.0	REFER	ENCES
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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-		

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- 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 <u>FUEL</u>

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 <u>Ag Tractor</u> 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

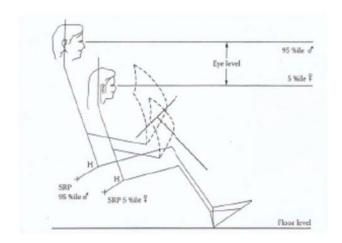
	<u>ENGINE</u>	
10.1	Engine type	Diesel, state manufacturer
10.2	Tier	Tier IV interim or final, state
10.3	Engine HP (Gross)	30 HP
10.4	PTO HP	23 HP
10.5	Rated speed, RPM	State rated RPM Speed
10.6	Air cleaner	Dry type air cleaner
10.7	Fuel tank capacity	State capacity
10.8	Throttle	Hand or foot throttle control, state
10.9	Engine block heater	Cold weather operation
	ELECTRICAL	
10.10	Alternator	Approx. 60 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)
	<u>PTO</u>	
10.16	Туре	Full independent of manual
10.17	Rear PTO (rpm)	Approx. 540 rpm
10.18	Mid PTO (rpm)	Approx. 2000 rpm

HYDRAULICS

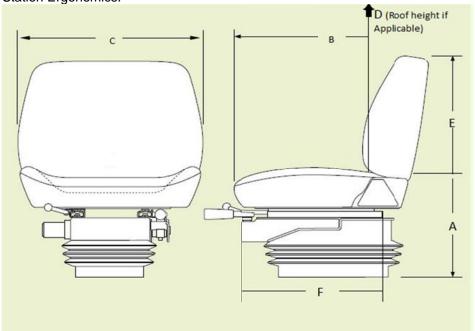
10.19	Pump gpm	State gpm	
10.20	Total flow	State total gpm flow	
10.21	Hitch lift	State hitch lift capacity	
10.22	Hitch category	Adjustable category I (3) point hitch	
10.23	Adjustable stabilizer linkage	To secure rear mounted attachments (check chains not acceptable).	
	CAB		
10.24	Instrumentation	Alternates, warning light- engine oil pressure light. Gauges – water, fuel, tachometer w/ hour meter	
10.25	Cab	Cab with heat and A/C with ROPS with seat belt	
10.26	Radio	AM/FM/CD or MP3	
10.27	Work lights	Front and rear work lights	
10.28	Seat	Adjustable seat, with suspension air or mechanical, state type	
10.29	Wipers	Front and rear wiper/washer	
10.30	Air circulation	Cab air recirculation	
10.31	Roof vent	Preferred but not required, state	
10.32	Cutter/breaker	Combination seat belt cutter and glass breaker	
10.33	Fire extinguisher	Five (5) lbs. High volume ABC type, State location	
10.34	First aid kit	State location	
10.35	Safety lighting	Make and Model: Whelen L32 Series Super-LED, SAE Class 1 (or equivalent) 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 the summer will only turn on the amber lights.	
10.36	Slow moving sign	Slow-moving vehicle warning triangle	

OPERATOR STATION ERGONOMICS

10.37 Cab or station layout should provide a comfortable seating position for the 5th to the 95th percentile of personnel. Figure 1 below illustrates the variance between a 5th to a 95th percentile of North American males and females when seated.



10.38 Figure 2: Use the below diagram to answer the specifications for Operator Station Ergonomics.



10.39	Sitting height range from floor (where feet rest) (A)	State, seat height range in inches
10.40	Seat length/depth (B)	State, seat length/depth in inches
10.41	Seat width (C)	State, seat width in inches
10.42	Cab height from seat to roof (if applicable) (D)	State, cab height range in inches
10.43	Back rest height (E)	State, back rest height in inches

10.44	Seat travel range (F)	State, seat travel in inches	
10.45	Include any other relevant ergonomic specifications and applicable range of adjustment		
	ELECTRICAL & REMOTE VALVES		
10.46	Light socket	7 pin connector implement light socket	
10.47	Remote control valves	Two (2) pairs	
	<u>TIRES</u>		
10.48	Tire size, Agricultural	Turf tires, state tire size, make/model, front and rear	
	<u>DIMENSIONS</u>		
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	
	<u>ATTACHMENTS</u>		
10.55	Front loader with bucket	Width approx. 53 inches, state	
10.56	Snow blower (front)	Width approx. 54 inches, state	
10.57	Blade (front)	Width approx. 54 inches, state	
10.58	Rotor tiller (rear)	Width approx. 48 inches, state	
10.59	Power Angle Broom (front)	Width approx. 52 inches, state	
10.60	Power Angle Broom (rear)	Width approx. 60 inches, state	
11.0	WARRANTY		
11.1	Basic coverage	(Complete Machine) Warranty 2 years, 2000 hours	
11.2	Power train	(Engine, Transmission) Warranty 2 years 2000 hours	
11.3	Hydraulics warranty	(Hydraulics) Warranty 2 years, 2000 hours	

11.4	Batteries warranty	(Batteries) Warranty 1 year		
11.5	Tires warranty	(Tires) Warranty 1 year		
11.6	Electrical warranty	(Electrical) Warranty 2 years, 2000 hours		
11.7	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	DELIVERY			
12.1	Delivery Point: The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.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			
12.2	Delivery Time: <u>Sixteen to eighteen (16-18) calendar weeks</u> from the date of award. Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days.			
12.3	Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment.			
12.4	P.D.I: A pre-delivery inspection shall be equipment. Proof upon inspection inc			
13.0	MANUALS			
13.1	Manuals supplied under this Contract. complete equipment including all comavailable.	The manuals shall cover the ponents thereof, CD is preferred where		
13.2	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 maintenance schedules. CDs are pre) complete sets including preventative ferred.		