

## FORM N: DETAILED SPECIFICATIONS 22007

### ASPHALT JOINT SEALER

#### 1.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 1.1 All items in these specifications should be answered indicating compliance or non-compliance.
- 1.2 **Bidders shall state “yes” for compliance or state “deviation”**, or give a reply where requested to do so. Deviations and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specifications is used, the City will also consider deviations and/or equivalents.
- 1.3 Lengthy explanations of deviations may be included in a separate document and must reference the appropriate Detailed Specification.
- 1.4 Each Bidder is required to fill in every blank. Failure to do so may be used as a basis for rejection of bid.
- 1.5 It will be the responsibility of the Bidder to inform the City of any errors or omissions in these Detailed Specifications, for under this Contract, the Contractor shall be held responsible to ensure that the manufacturer will be responsible for the design, performance, reliability and satisfactory operational function of the unit.

#### 2.0 DESCRIPTION OF EQUIPMENT

- 2.1 These specifications describe **Asphalt Joint Sealer** and other equipment and features as specified herein.
- 2.2 The **Asphalt Joint Sealer** shall be a new 2022 model year or newer.
- 2.3 The **Asphalt Joint Sealer** and all other items/components shall be the manufacturer's latest model. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 2.4 The **Asphalt Joint Sealer** shall be the manufacturer's latest model, as may be modified by these specifications. The **Asphalt Joint Sealer**, including all auxiliary equipment, shall be furnished complete and ready for use. All parts not specifically mentioned but which are required for the complete unit shall conform in strength, quality of material and workmanship, to the best standards and engineering practice in the industry.
- 2.5 The ratings specified herein merely state the minimum values acceptable to the City, not implying that those values are sufficient for the design of the particular equipment being bid.

#### 3.0 OTHER SPECIFICATIONS AND STANDARDS

- 3.1 All applicable SAE Standards form an integral part of the vehicle specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 3.2 The **Asphalt Joint Sealer** shall comply with the applicable regulations:

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

Manitoba Safety and Health Regulation, Parts 12, 16, 22: <https://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php>

Canadian Motor Vehicle Safety Standards C.M.V.S.S. <https://tc.canada.ca/en/corporate-services/acts-regulations/list-regulations/motor-vehicle-safety-regulations-crc-c-1038>

Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker. <http://web2.gov.mb.ca/laws/regs/index.php?act=h60>

Canadian Standards Association, CSA: <http://www.csagroup.org/>

Under Writers of Canada, U/L: <http://www.ulc.ca/>

Society of Automotive Engineers, SAE: <http://www.sae.org/>

City of Winnipeg Lighting Visibility Standard: <http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

Manitoba Building Code: <https://web2.gov.mb.ca/laws/regs/current/pdf-regs.php?reg=31/2011>

- 3.3 All welding and welding designs of the load supporting elements shall conform to the requirements of the Canadian Standards Association Standard (CSA) W47.1-03 and W59-03.

#### 4.0 REFERENCES

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

---

---

---

---

---

#### 5.0 MAKE & MODEL

- 5.1 State year, make and model being bid: \_\_\_\_\_

#### 6.0 PERFORMANCE RELIABILITY

- 6.1 The responsibility for the design of the **Asphalt Joint Sealer**, its performance and reliability shall rest upon the Contractor.

- 6.2 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.

- 6.3 Where the **Asphalt Joint Sealer** develops “repeated failures” in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

- 6.4 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).

#### 7.0 FUEL

- 7.1 Where applicable, all equipment must be fully fueled upon delivery (no exceptions).

#### 8.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 8.1 The manufacturer of the **Asphalt Joint Sealer** shall have five (5) years continuous experience manufacturing the equipment.

- 8.2 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.

- 8.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **Asphalt Joint Sealer** of the type being offered.

**9.0 SPECIFICATIONS:**

**DIMENSIONS AND WEIGHTS**

- 9.1 Operating weight **State:** \_\_\_\_\_
- 9.2 Maximum overall length **State:** \_\_\_\_\_
- 9.3 Maximum overall height **State:** \_\_\_\_\_
- 9.4 Maximum overall width **State:** \_\_\_\_\_

**HEATING TANK**

- 9.5 Tank capacity Approx. 850L, **state** capacity: \_\_\_\_\_
- 9.6 Asphalt tank Fully enclosed. \_\_\_\_\_
- 9.7 Oil heating tank Approx. 110L, **state** capacity: \_\_\_\_\_
- 9.8 Material thickness: Asphalt tank and jacket 4.75 mm (3/16 in.) steel, **state** thickness: \_\_\_\_\_
- 9.9 Insulation Tank to be insulated on top, bottom and sides with 1.5 in. ceramic or industrial insulation, **state** material and thickness: \_\_\_\_\_
- 9.10 Loading hatch Dual doors with anti-splash provision. \_\_\_\_\_
- 9.11 Hatch dimensions **State:** \_\_\_\_\_
- 9.12 Hatch loading height **State:** \_\_\_\_\_
- 9.13 Agitation Type Full sweep vertical direct driven reversible agitator design. **State** type \_\_\_\_\_

**HEATING SYSTEM**

- 9.14 Oil heater Diesel fire burner with approx. 45 ft.<sup>2</sup> heating area. \_\_\_\_\_
- 9.15 Heat rating Approx., 290,000 BTU, **state** BTU: \_\_\_\_\_
- 9.16 Ignition Electronic spark ignition. \_\_\_\_\_
- 9.17 Melt rate 725kg/hr (1600 lbs/hr), **state:** \_\_\_\_\_
- 9.18 Circulation pump Heat transfer oil continuously circulated around asphalt tank, **state** pump capacity: \_\_\_\_\_
- 9.19 Wand recirculation port 6 inch round wand recirculation port located on rear of the machine. \_\_\_\_\_

9.20	Temperature controller	Digital readout for oil and material temperatures with continuously monitoring thermocouples. Adjustable thermostatically controlled with high-temperature limit switch. LED status for pump, agitator and hose.	_____
9.21	Temperature gauges	Digital display for the temperature of the heating oil, asphalt material in the tank and asphalt material on the discharge side of the pump.	_____
9.22	Heat transfer oil capacity	Approx. 30 US gal (110L).	_____
9.23	Overnight heater	110-Volt, 1500 watts.	_____
9.24	Heated Gravity draw off port	Allows pour pots to be filled on the side of the machine.	_____

**PUMPING SYSTEM AND PIPING**

9.25	High flow material pump	Positive displacement unit (2 in.). Approx. 25-30 GPM. <b>State</b> flow rate: _____	_____
9.26	Reversible	To allow material to be pumped back into the material tank.	_____
9.27	Hydraulic motors	Driven by a single hydraulic pump.	_____
9.28	Control valves	Hydraulic functions to be located at the rear of the unit on the curb side.	_____
9.29	Hydraulic oil capacity	Approx. 33 US gal. (125L).	_____

**SEALANT HOSE AND APPLICATOR**

9.30	Hose (heated)	Designed for use with petroleum based products up to 230°C @ 4100 kPa (446°F @ 595 psi.). Low voltage electrically heated hose.	_____
9.31	Hose diameter	Approx. diameter 1inch, <b>state</b> : _____	_____
9.32	Hose length	Approx. 20 ft. length, <b>state</b> : _____	_____
9.33	Applicator (heated)	Lightweight design with insulated handle. Low voltage electrically heated applicator.	_____
9.34	Control valve	To control material flow.	_____
9.35	Clean-out	Shall not require use of solvents under normal operating conditions.	_____
9.36	Describe clean-out procedure	_____	_____
		_____	_____
		_____	_____
		_____	_____

9.37 Operator Horn Controlled from the wand/applicator. \_\_\_\_\_

**ENGINE AND EQUIPMENT**

9.38 Engine Diesel fueled engine. \_\_\_\_\_

9.39 Make and model **State:** \_\_\_\_\_

9.40 Horsepower **State:** \_\_\_\_\_

9.41 Displacement **State:** \_\_\_\_\_

9.42 Oil and fuel filters Full flow spin-on type. \_\_\_\_\_

9.43 Exhaust Muffled. \_\_\_\_\_

9.44 Fuel tank capacity Approx. 33 US gal. (125L). \_\_\_\_\_

9.45 Electric start Electric starter c/w three (3) sets of ignition keys. \_\_\_\_\_

9.46 Battery Accessible for servicing in a battery box secured to the frame., **state** CCA: \_\_\_\_\_

9.47 Battery disconnect switch (lockable) Protected from the elements. Switch to be lockable with pad lock. \_\_\_\_\_

9.48 Alternator State output in amps. \_\_\_\_\_

9.49 Hour meter Non-resettable type. \_\_\_\_\_

9.50 Engine cover Lockable with noise reducing insulation. \_\_\_\_\_

**TRAILER**

9.51 Frame Heavy duty welded steel frame to match GVWR. \_\_\_\_\_

9.52 Tandem axles Tandem axle rated to match GVWR, **state** rating: \_\_\_\_\_

9.53 Suspension Spring or Torsion type, **state:** \_\_\_\_\_

9.54 Wheel and tires Demountable rims with 6-ply tires, **state** size: \_\_\_\_\_

9.55 Brake type Electric brakes or surge type hydraulic brakes, **state** type: \_\_\_\_\_

9.56 Pintle eye 63-76 mm (2½-3 in.) ID lunette eye, approx. 61 cm (24 in.) above ground. \_\_\_\_\_

9.57 Safety chains Two (2) chains conforming with CMVSS and the Manitoba Highway Traffic Act. Eye hooks complete with spring closures. \_\_\_\_\_

9.58 Jack stand Screw type, heavy duty with sand pad, pin on type, snap ring is not acceptable. \_\_\_\_\_

- |      |           |   |       |
|------|-----------|---|-------|
| 9.59 | Fenders   | Steel plate.  | _____ |
| 9.60 | Mud flaps | Black, rubber, no-name required at the rear of tires. | _____ |

**ELECTRICAL AND LIGHTING**

- |      |   |       |
|------|---|-------|
| 9.61 | 12-Volt negative ground electrical and lighting system. Meeting all applicable Manitoba Highway Traffic Act and C.M.V.S.S. requirements.  | _____ |
| 9.62 | Combination turn/stop and taillights P/N 44302R, one (1) per side with 40700 mounting grommets.   | _____ |
| 9.63 | Light cluster: three (3) P/N 10250R with P/N 10700 mounting grommets, located to be protected from damage.  | _____ |
| 9.64 | Clearance lamps: flush mounted P/N 10250R and 10250Y with P/N 10700 mounting grommets.  | _____ |
| 9.65 | License plate lamp: P/N 36140 with license plate bracket P/N 36710  | _____ |
| 9.66 | Wiring harness: Truck-Lite 50 Series Harness System, properly routed and secured.   | _____ |
| 9.67 | All harnesses shall be internally grounded.   | _____ |
| 9.68 | Junction box: P/N 50400, complete with necessary compression fittings, required for all vehicle lighting harness connections. Location to be protected from damage and road spray.          | _____ |
| 9.69 | All pug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly.   | _____ |
| 9.70 | All wiring for trailer connector and accessories shall be colour coded, loomed and properly secured.  | _____ |
| 9.71 | All joining of wires shall be soldered and sealed using heat shrink tubing or approved OEM weather tight connections (crimp on electrical connectors for joining wires are not acceptable). | _____ |
| 9.72 | Trailer connector: six-pole, Cole Hersee 1254 or equal c/w cable protector, wired according to code.  | _____ |
| 9.73 | Any holes required to run wires through shall be drilled (not punched) grommets and sealed as required.   | _____ |

**FINISH**

- |      |   |       |
|------|---|-------|
| 9.74 | The entire trailer shall be sandblasted, prepared and primed with suitable primer prior to painting.      | _____ |
| 9.75 | Paint: entire trailer shall be painted with two coats of polyurethane enamel, DuPont Imron or equivalent. | _____ |

**SAFETY**

9.76 Fire extinguisher: Ten (10) pound high volume ABC type securely mounted with quick release, **State** location: \_\_\_\_\_

9.77 Warning beacon: PRECO 4261A or equivalent top mounted, wired in a fused circuit. \_\_\_\_\_

10.0 **WARRANTY**

10.1 All warranty information shall be detailed and include all exclusions. The Contractor shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information.

10.2 Basic coverage **State:** \_\_\_\_\_

10.3 Engine warranty **State:** \_\_\_\_\_

10.4 Hydraulics warranty **State:** \_\_\_\_\_

10.5 Batteries warranty **State:** \_\_\_\_\_

10.6 Pump warranty **State:** \_\_\_\_\_

10.7 Electrical warranty **State:** \_\_\_\_\_

11.0 **DELIVERY**

11.1 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. \_\_\_\_\_

11.2 **State:** earliest delivery time from date of award: \_\_\_\_\_

Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.

11.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. \_\_\_\_\_

11.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list \_\_\_\_\_

12.0 **MANUALS**

12.1 Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD or USB flash drive is preferred where available. \_\_\_\_\_

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

a) Operator's manual – Three (3) per unit (one operator manual shall be sent to the Equipment Operator Training Branch. \_\_\_\_\_

b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs or USB flash drive are preferred. \_\_\_\_\_

13.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

- 13.1 In order to assure minimum downtime of the equipment in future service, the Contractor shall provide one (1) complete replacement set of new OEM filters for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing. \_\_\_\_\_
- 13.2 The Contractor shall provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during preventative maintenance servicing. \_\_\_\_\_
- 14.0 **PARTS/LABOUR PRICING**
- 14.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount-** %\_\_\_\_\_
- 14.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount-** %\_\_\_\_\_

## FORM N: DETAILED SPECIFICATIONS 22008

### SELF-PROPELLED CONCRETE SAW (74HP)

#### 6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 6.1 All items in these specifications should be answered indicating compliance or non-compliance.
- 6.2 **Bidders shall state “yes” for compliance or state “deviation”**, or give a reply where requested to do so. Deviations and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specifications is used, the City will also consider deviations and/or equivalents.
- 6.3 Lengthy explanations of deviations may be included in a separate document and must reference the appropriate Detailed Specification.
- 6.4 Each Bidder is required to fill in every blank. Failure to do so may be used as a basis for rejection of bid.
- 6.5 It will be the responsibility of the Bidder to inform the City of any errors or omissions in these Detailed Specifications, for under this Contract, the Contractor shall be held responsible to ensure that the manufacturer will be responsible for the design, performance, reliability and satisfactory operational function of the unit.

#### 7.0 DESCRIPTION OF EQUIPMENT

- 7.1 These specifications describe **Self-Propelled Concrete Saw** and other equipment and features as specified herein.
- 7.2 The **Self-Propelled Concrete Saw** shall be a new 2022 model year or newer.
- 7.3 The **Self-Propelled Concrete Saw** 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.
- 7.4 The **Self-Propelled Concrete Saw** shall be the manufacturer's latest model, as may be modified by these specifications. The **Self-Propelled Concrete Saw**, including all auxiliary equipment, shall be furnished complete and ready for use. All parts not specifically mentioned but which are required for the complete unit shall conform in strength, quality of material and workmanship, to the best standards and engineering practice in the industry.
- 7.5 The ratings specified herein merely state the minimum values acceptable to the City, not implying that those values are sufficient for the design of the particular equipment being bid.

#### 8.0 OTHER SPECIFICATIONS AND STANDARDS

- 8.1 All applicable SAE Standards form an integral part of the vehicle specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 8.2 The **Self-Propelled Concrete Saw** shall comply with the applicable regulations:

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

Manitoba Safety and Health Regulation, Parts 12, 16, 22: <https://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php>

Canadian Motor Vehicle Safety Standards C.M.V.S.S. <https://tc.canada.ca/en/corporate-services/acts-regulations/list-regulations/motor-vehicle-safety-regulations-crc-c-1038>

Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker. <http://web2.gov.mb.ca/laws/regs/index.php?act=h60>

Canadian Standards Association, CSA: <http://www.csagroup.org/>

Under Writers of Canada, U/L: <http://www.ulc.ca/>

Society of Automotive Engineers, SAE: <http://www.sae.org/>

City of Winnipeg Lighting Visibility Standard: <http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

Manitoba Building Code: <https://web2.gov.mb.ca/laws/regs/current/pdf-regs.php?reg=31/2011>

8.3 All welding and welding designs of the load supporting elements shall conform to the requirements of the Canadian Standards Association Standard (CSA) W47.1-03 and W59-03.

**9.0 REFERENCES**

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

---

---

---

---

---

**10.0 MAKE & MODEL**

10.1 State year, make and model being bid: \_\_\_\_\_

**6.5 PERFORMANCE RELIABILITY**

6.6 The responsibility for the design of the **Self-Propelled Concrete Saw**, its performance and reliability shall rest upon the Contractor.

6.7 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.

6.8 Where the **Self-Propelled Concrete Saw** develops “repeated failures” in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

6.9 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).

**7.2 FUEL**

7.3 Where applicable, all equipment must be fully fueled upon delivery (no exceptions).

**8.4 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR**

8.5 The manufacturer of the **Self-Propelled Concrete Saw** shall have five (5) years continuous experience manufacturing the equipment.

8.6 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.

8.7 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **Self-Propelled Concrete Saw** of the type being offered.

9.0 **SPECIFICATIONS:**

9.1	Application	Self-propelled concrete saw (ex. Husqvarna FS7000D).	_____
9.2	Blade diameter	30" blade, <b>state</b> .	_____
9.3	Blade type	State optional price for an OEM Diamond blade 30" for Green Concrete.	\$_____
9.4	Engine	Diesel, <b>state</b> make and model: _____	_____
9.5	Horse power	Approx. 74HP, <b>state</b> : _____	_____
9.6	Hydrostatic drive	Dual motor drive system.	_____
9.7	Control panel	With temperature gauge, ammeter, tachometer and blade clutch switch.	_____
9.8	Fuel capacity	Approx. 10 US gal., <b>state</b> : _____	_____
9.9	Air filter	Dual element type.	_____
9.10	Electric start, with 12-volt battery and charging system	Battery enclosed in a heavy duty weather resistant box or under shroud covering. <b>State</b> Battery CCA; _____	_____
9.11	Battery disconnect switch (lockable)	Protected from the elements. Switch to be lockable with pad lock.	_____
9.12	Sprockets	Sprockets on both sides of the unit to allow for blade transfer.	_____
9.13	Cutting depth	Approx. 12".	_____
9.14	Dimensions	<b>State</b> , dimensions: _____	_____
9.15	Operating weight	Approx. 2000 lbs., <b>state</b> : _____	_____
9.16	Blade clutch	Allows engine operation and saw movements without blade rotation.	_____
9.17	Blade guards	Two (2) 30" blade guards complete with belts and pulley.	_____
9.18	Electric guide	Mandatory electric switch to easily adjust the tracking of the saw blade while it is in use.	_____
9.19	Dual light kit	Required.	_____
9.20	Water pump kit	Required.	_____
9.21	70lbs. weight kit	Required.	_____

10.0 **WARRANTY**

10.1 All warranty information shall be detailed and include all exclusions. The Contractor shall provide all published warranty information upon delivery of the equipment. Bidder shall state all warranty information.

- 10.2 Basic coverage **State:** \_\_\_\_\_
- 10.3 Engine warranty **State:** \_\_\_\_\_
- 10.4 Clutch warranty **State:** \_\_\_\_\_
- 10.5 Battery warranty **State:** \_\_\_\_\_
- 10.6 Hydrostatic drive warranty **State:** \_\_\_\_\_
- 10.7 Electrical warranty **State:** \_\_\_\_\_

11.0 **DELIVERY**

- 11.1 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. \_\_\_\_\_
- 11.2 **State:** earliest delivery time from date of award: \_\_\_\_\_  
Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.
- 11.3 Delivery Contact: The Contractor shall contact the Contract Administrator prior to delivery of the equipment. \_\_\_\_\_
- 11.4 P.D.I: A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list \_\_\_\_\_

12.0 **MANUALS**

- 12.1 Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD or USB flash drive is preferred where available. \_\_\_\_\_
- 12.2 The following manuals shall be supplied with the units when delivered:
  - a) Operator's manual – Three (3) per unit (one operator manual shall be sent to the Equipment Operator Training Branch. \_\_\_\_\_
  - b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs or USB flash drive are preferred. \_\_\_\_\_

**FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

- 13.0 In order to assure minimum downtime of the equipment in future service, the Contractor shall provide one (1) complete replacement set of new OEM filters for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing. \_\_\_\_\_
- 13.1 The Contractor shall provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during preventative maintenance servicing. \_\_\_\_\_

**PARTS/LABOUR PRICING**

- 14.0 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. %\_\_\_\_\_
- State percentage discount-**
  
- 14.1 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. %\_\_\_\_\_
- State percentage discount-**