

## FORM N: DETAILED SPECIFICATIONS 25045

### SUPPLY AND DELIVERY OF A CONCRETE SAW

#### 1. 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. DESCRIPTION OF EQUIPMENT

- 2.1 These specifications describe **Concrete Saw** and other equipment and features as specified herein.
- 2.2 The **Concrete Saw** shall be a new **2025** model year or newer.  
  
The **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.
- 2.4 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 equipment being bid.

#### 3. 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 **Concrete Saw** shall comply with the applicable regulations:

Standard - Specification/Regulation	Internet URL
Transport Canada, National Safety Mark, NSM:	<a href="http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm">http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm</a>
Manitoba Safety and Health Regulation, Parts 12, 16, 22:	<a href="http://web2.gov.mb.ca/laws/reg/current/217.06.pdf">http://web2.gov.mb.ca/laws/reg/current/217.06.pdf</a>
Canadian Motor Vehicle Safety Standards C.M.V.S.S.:	<a href="http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html">http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html</a>
Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker:	<a href="http://web2.gov.mb.ca/laws/reg/index.php?act=h60">http://web2.gov.mb.ca/laws/reg/index.php?act=h60</a>
Canadian Standards Association CSA:	<a href="http://www.csagroup.org">http://www.csagroup.org</a>
Under Writers of Canada U/L:	<a href="http://www.ulc.ca">http://www.ulc.ca</a>
Society of Automotive Engineers SAE:	<a href="http://www.sae.org">http://www.sae.org</a>
City of Winnipeg Lighting Visibility Standard:	<a href="http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf">http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf</a>

Manitoba Building Code:

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

3.2 Where applicable, the completed unit shall include a Manitoba Government Inspection with Safety Sticker.

3.3 Where applicable, the manufacturer/installer shall affix their National Safety Mark (NSM) certification sticker on each unit.

State NSM number: \_\_\_\_\_

#### 4. FUEL

4.1 Where applicable, the equipment shall be fully fuelled upon delivery (no exceptions).

#### 5. REFERENCES

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

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#### 6. MAKE & MODEL

6.1 State year, make and model being bid:

Vehicle / Equipment

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Model Year: \_\_\_\_\_

#### 7. PERFORMANCE RELIABILITY

7.1 The responsibility for the design of the **Concrete Saw** 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 **Concrete Saw** develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations, or modifications 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. SERVICE FACILITY

8.1 For warranty repairs, the Bidder shall have an authorized service facility. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type of 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 or City Representative.

**9. QUALIFICATIONS OF MANUFACTURER AND CONTRACTOR**

- 9.1 The manufacturer of the **Concrete Saw** shall have five (5) years continuous experience manufacturing **Concrete Saws**.
- 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 **Concrete Saws** of the type being offered

**10. WEIGHT DISTRIBUTION**

- 10.1 Where applicable, the completed vehicle shall not exceed the City of Winnipeg's limits gross vehicle weight, axle, and tire loads with the unit (including the chassis) fully fuelled and operational with two (2) operators and including a full payload of cut trees.

Note:

**The City of Winnipeg and the Province of Manitoba limits the gross vehicle weight and axle and tire loads to**

- **Front axle (steering axle) – 7300 kg (16,094 lbs.)**
- **Rear axle (single axle) – 9100 kg (20,062 lbs.)**
- **Tire load – 9 kilograms for each millimetre width of tire (approx. 500 lbs. per inch of tire width)**

**11. WEIGH SCALE TICKET**

- 11.1 Where applicable, the Contractor shall provide a certified weigh scale ticket upon delivery of the completed unit. The Scale Ticket shall include front and rear axle weights fully fueled and operational including two (2) operators.

**12. SPECIFICATIONS**

**Make, Model and Model Year**

- 12.1 Make **State:** make: \_\_\_\_\_
- 12.2 Model **State:** model: \_\_\_\_\_
- 12.3 Model Year Model Year 2025 or newer  
**State:** model year: \_\_\_\_\_

**Cutting Equipment**

- 12.4 Blade Diameter. Max
  - 30 in. (762 mm)
  - State:** diameter (in./mm): \_\_\_\_\_
- 12.5 Cutting Depth. Max
  - 12.5 in. (305 mm)
  - State:** cutting depth (in./mm): \_\_\_\_\_
- 12.6 Blade Flanges
  - 5 in. (127 mm)
  - State:** flange (in./mm): \_\_\_\_\_
- 12.7 Blade Depth Control
  - Electro-hydraulic pump
  - State:** pump type: \_\_\_\_\_
- 12.8 Blade Guard Type
  - Slip-on
  - State:** type: \_\_\_\_\_

**Engine/ Motor**

- 12.9 Engine Specifications Deutz C4D155.4  
**State:** model: \_\_\_\_\_
- 12.10 Output Power (as rated by the engine/motor manufacturer) 74.3 hp (55 kW)  
**State:** horsepower: \_\_\_\_\_
- 12.11 Power Source Diesel  
**State:** type: \_\_\_\_\_
- 12.12 Engine Cooling Liquid/Air  
**State:** type: \_\_\_\_\_
- 12.13 Fuel Tank Volume 10.6 gal (40L)  
**State:** volume(gal/L): \_\_\_\_\_
- 12.14 Number of Strokes 4-stroke engine  
**State:** stroke number: \_\_\_\_\_
- 12.15 Cylinders 4 (four)  
**State:** number of cylinders: \_\_\_\_\_
- 12.16 Displacement 178 cu in. (2.92L)  
**State:** displacement: \_\_\_\_\_
- 12.17 Bore/Stroke 3.6/4.3 in (91/109 mm)  
**State:** bore/stroke: \_\_\_\_\_
- 12.18 Oil Capacity 9 qt (8.5L)  
**State:** capacity: \_\_\_\_\_

**Transmission**

- 12.19 Number of Gearbox Speeds Three (3)  
**State:** gearbox speeds: \_\_\_\_\_
- 12.20 Transmission Speed (Forward/Reverse) 0 – 250 fpm  
**State:** fpm: \_\_\_\_\_
- 12.21 Output Shaft RPM, Speed 1 Optimal Blade Size 1600 rpm | 30 in (762 mm)  
**State:** rpm: \_\_\_\_\_
- 12.22 Output Shaft RPM, Speed 2 Optimal Blade Size 1880 rpm | 26 in (660 mm)  
**State:** rpm: \_\_\_\_\_
- 12.23 Output Shaft RPM, Speed 3 Optimal Blade Size 2680 rpm | 18 in (450 mm)  
**State:** rpm: \_\_\_\_\_
- 12.24 Transmission type Balanced dual motor hydrostatic drive  
**State:** type: \_\_\_\_\_

**Dimensions**

- 12.25 Product Size Length 77.25 (in.) 1,961 mm.  
**State:** length (in./mm): \_\_\_\_\_
- 12.26 Product Size Width 38.38 in. 974 mm.  
**State:** width (in./mm): \_\_\_\_\_
- 12.27 Product Size Height 59 (in.) 1,499 mm.  
**State:** height (in./mm): \_\_\_\_\_:
- 12.28 Maximum Weight Crated 2,256 lbs. (1,023 kg.)  
**State:** weight (lbs./kg.): \_\_\_\_\_
- 12.29 Maximum Weight Uncrated 2,155 lbs. (977 kg.)  
**State:** weight (lbs./kg.): \_\_\_\_\_
- 12.30 Handlebar Adjustment variable position  
**State:** fixed/ variable: \_\_\_\_\_

**WARRANTY:**

- 13.1 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.

- 13.2 The warranty for the **Concrete Saw** shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction, and materials. \_\_\_\_\_

Any equipment that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City.

The warranty shall be effective from the date the equipment is put into service by the City of Winnipeg

13.3 Basic Coverage **State:** Terms: \_\_\_\_\_

**DELIVERY:**

14.1 **Delivery Point:** \_\_\_\_\_

The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.V.I.S. (if applicable) to the Winnipeg Fleet Management Agency (WFMA) 185 Tecumseh Street, Winnipeg MB.

14.2 **Delivery Time:** \_\_\_\_\_

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

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

14.3 **Delivery Contact:** \_\_\_\_\_

The Contractor shall contact the Contract Administrator prior to delivery of the equipment.

14.4 **P.D.I.:** \_\_\_\_\_

A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list

**MANUALS:**

15.1 **Manuals:** \_\_\_\_\_

The following manuals shall be supplied with the equipment when delivered:

**Operator – Two (2) Copies**

- One (1) copy shall be sent to the Equipment Operator Training Branch
- One (1) copy to be left with the equipment

**Parts and Service**

- One (1) complete set including preventative maintenance schedules

**Note:** CD or USB flash drive is preferred where available

**PARTS/LABOUR PRICING:**

16.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. \_\_\_\_\_

**State: percentage discount**

16.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. \_\_\_\_\_

**State: percentage discount**

**FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

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