

**FORM A: BID**  
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF ASPHALT JOINT SEALERS

2. Bidder

\_\_\_\_\_  
Name of Bidder

\_\_\_\_\_  
Usual Business Name of Bidder as it appears on Invoice (if different from above)

\_\_\_\_\_  
Street

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

\_\_\_\_\_  
Postal Code

\_\_\_\_\_  
Email Address of Bidder

\_\_\_\_\_  
Facsimile Number

(Mailing address if different)

\_\_\_\_\_  
Street or P.O. Box

\_\_\_\_\_  
City

\_\_\_\_\_  
Province

\_\_\_\_\_  
Postal Code

\_\_\_\_\_  
GST Registration Number (if applicable)

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

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

\_\_\_\_\_  
Contact Person

\_\_\_\_\_  
Title

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Facsimile Number

\_\_\_\_\_  
Email Address

4. Definitions

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

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

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

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

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

No.	Dated
_____	_____
_____	_____
_____	_____

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

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

Signature of Bidder or  
Bidder's Authorized Official or Officials

\_\_\_\_\_

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

\_\_\_\_\_

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

**FORM B: PRICES**  
(See B9)

SUPPLY AND DELIVERY OF ASPHALT JOINT SEALERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Asphalt Joint Sealer	16067	Each	2	

\_\_\_\_\_  
Name of Bidder

## FORM N: DETAILED SPECIFICATIONS 16067

### ASPHALT JOINT SEALER

#### **1.0 DESCRIPTION OF EQUIPMENT**

- 1.1 These specifications describe an **Asphalt Joint Sealer** and other equipment and features as specified herein. The specifications describe the supply and delivery of a trailer mounted, self-contained, diesel fuelled joint sealing machine, capable of melting asphalt rubber sealants at a rate of 725 kg per hour.
- 1.2 The **Asphalt Joint Sealer** shall be a new 2017 model year or newer.
- 1.3 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.
- 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 **Asphalt Joint Sealer** shall comply with the applicable regulations:

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

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

Canadian Standards Association, CSA = <http://www.csa.ca/about/Default.asp?language=english>

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

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

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

- 2.3 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the units.

#### **3.0 SERVICE FACILITY**

- 3.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Further to B9.1, Bidders shall provide a description of the service facility including, but not limited to, number of

qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

#### **4.0 REFERENCES**

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

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#### **5.0 MAKE & MODEL**

5.1 **State** make, year and model of the equipment bid- \_\_\_\_\_

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#### **6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

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

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

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

#### **7.0 PERFORMANCE RELIABILITY**

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

7.2 The term "repeated failures" as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the vehicle inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, or assembly. Minor items or ordinary service adjustments are not included, or considered under the scope of "repeated failures", as well as other factors, such as operational damage due to accidents, misuse or lack of proper maintenance, service and lubrication attention by not following the manufacturer's preventative maintenance schedule.

7.3 Where the **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.

7.4 The equipment shall be capable of consistent top performance in City of Winnipeg Environment. Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C)

#### **8.0 FUEL**

8.1 Where applicable, all equipment must be fully fuelled upon delivery (no exceptions).

#### **9.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR**

- 9.1 The manufacturer of the **Asphalt Joint Sealer** 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 **Asphalt Joint Sealer** of the type being offered.

10.0 **SPECIFICATIONS:**

**DIMENSIONS AND WEIGHTS**

- 10.1 Operating weight **State.** \_\_\_\_\_
- 10.2 Maximum overall length **State.** \_\_\_\_\_
- 10.3 Maximum overall height **State.** \_\_\_\_\_
- 10.4 Maximum overall width **State.** \_\_\_\_\_

**HEATING TANK**

- 10.5 Tank capacity Approx. 850 L, **state** capacity. \_\_\_\_\_
- 10.6 Asphalt tank Fully enclosed \_\_\_\_\_
- 10.7 Oil heating tank Approx. 110L, **state** capacity. \_\_\_\_\_
- 10.8 Material thickness: Asphalt tank and jacket 4.75 mm (3/16 in.) steel, **state** thickness. \_\_\_\_\_
- 10.9 Insulation Tank to be insulated on top, bottom and sides with 1.5 in. ceramic or industrial insulation, **state** material and thickness. \_\_\_\_\_
- 10.10 Loading hatch Dual doors with anti-splash provision \_\_\_\_\_
- 10.11 Hatch dimensions **State.** \_\_\_\_\_
- 10.12 Hatch loading height **State.** \_\_\_\_\_
- 10.13 Agitation Type Full sweep vertical direct driven reversible agitator design. **State** type \_\_\_\_\_

**HEATING SYSTEM**

- 10.14 Oil heater Diesel fire burner with approx. 45 ft.<sup>2</sup> heating area. \_\_\_\_\_
- 10.15 Heat rating Approx., 290,000 BTU, **state** BTU. \_\_\_\_\_
- 10.16 Ignition Electronic spark ignition. \_\_\_\_\_
- 10.17 Melt rate 725kg/hr (1600 lbs/hr), **state.** \_\_\_\_\_

10.18	Circulation pump	Heat transfer oil continuously circulated around asphalt tank, <b>state</b> pump capacity.	_____
10.19	Wand recirculation port	6 inch round wand recirculation port located on rear of the machine.	_____
10.20	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.	_____
10.21	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.	_____
10.22	Heat transfer oil capacity	Approx. 30 US gal (110L).	_____
10.23	Overnight heater	110-Volt, 1500 watts.	_____

#### **PUMPING SYSTEM AND PIPING**

10.24	Asphalt pump	Positive displacement unit (2 in.), jacketed and heated by the heat transfer oil.	_____
10.25	Reversible	To allow material to be pumped back into the material tank.	_____
10.26	Hydraulic motors	Driven by a single hydraulic pump	_____
10.27	Control valves	Hydraulic functions to be located at the rear of the unit on the curb side.	_____
10.28	Hydraulic oil capacity	Approx. 33 US gal. (125L).	_____

#### **SEALENT HOSE AND APPLICATOR**

10.29	Hose (heated)	Designed for use with petroleum based products up to 230°C @ 4100 kPa (446°F @ 595 psi.). Low voltage electrically heated hose.	_____
10.30	Hose diameter	Approx. diameter 1 inch, <b>state</b> .	_____
10.31	Hose length	Approx. 20 ft. length, <b>state</b> .	_____
10.32	Applicator (heated)	Lightweight design with insulated handle. Low voltage electrically heated applicator.	_____
10.33	Control valve	To control material flow.	_____
10.34	Hose heating chamber	For application hose storage.	_____

10.35 Clean-out Shall not require use of solvents under normal operating conditions. \_\_\_\_\_

10.36 Describe clean-out procedure  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ENGINE AND EQUIPMENT**

10.37 Engine Diesel fueled engine. \_\_\_\_\_

10.38 Make and model **State.** \_\_\_\_\_

10.39 Horsepower **State.** \_\_\_\_\_

10.40 Displacement **State.** \_\_\_\_\_

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

10.42 Exhaust Muffled \_\_\_\_\_

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

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

10.45 Battery Accessible for servicing, **state** CCA \_\_\_\_\_

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

10.47 Hour meter Non-resettable type \_\_\_\_\_

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

**TRAILER**

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

10.50 Tandem axles Tandem axle rated to match GVWR, **state** rating. \_\_\_\_\_

10.51 Suspension Spring or Torsion type, **state** \_\_\_\_\_

10.52 Wheel and tires Demountable rims with 6-ply tires, **state** size. \_\_\_\_\_

10.53 Brake type Electric brakes or surge type hydraulic brakes, **state** type. \_\_\_\_\_

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

- |       |               |   |       |
|-------|---------------|---|-------|
| 10.55 | Safety chains | Two (2) chains conforming with CMVSS and the Manitoba Highway Traffic Act. Eye hooks complete with spring closures. | _____ |
| 10.56 | Jack stand    | Screw type, heavy duty with sandpad, pin on type, snap ring is not acceptable.                                      | _____ |
| 10.57 | Mud flaps     | Black, rubber, no-name required at the rear of tires.   | _____ |

**ELECTRICAL AND LIGHTING**

- |       |   |       |
|-------|---|-------|
| 10.58 | 12-Volt negative ground electrical and lighting system. Meeting all applicable Manitoba Highway Traffic Act and C.M.V.S.S. requirements.  | _____ |
| 10.59 | Combination turn/stop and taillights P/N 44302R, one (1) per side with 40700 mounting grommets.   | _____ |
| 10.60 | Light cluster: three (3) P/N 10250R with P/N 10700 mounting grommets, located to be protected from damage.  | _____ |
| 10.61 | Clearance lamps: flush mounted P/N 10250R and 10250Y with P/N 10700 mounting grommets.  | _____ |
| 10.62 | License plate lamp: P/N 36140 with license plate bracket P/N 36710  | _____ |
| 10.63 | Wiring harness: Truck-Lite 50 Series Harness System, properly routed and secured.   | _____ |
| 10.64 | All harnesses shall be internally grounded.   | _____ |
| 10.65 | 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.          | _____ |
| 10.66 | All pug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly.   | _____ |
| 10.67 | All wiring for trailer connector and accessories shall be colour coded, loomed and properly secured.  | _____ |
| 10.68 | 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). | _____ |
| 10.69 | Trailer connector: six-pole, Cole Hersee 1254 or equal c/w cable protector, wired according to code.  | _____ |
| 10.70 | Any holes required to run wires through shall be drilled (not punched) grommetted and sealed as required.   | _____ |

**FINISH**

10.71 The entire trailer shall be sandblasted, prepared and primed with suitable primer prior to painting. \_\_\_\_\_

10.72 Paint: entire trailer shall be painted with two coats of polyurethane enamel, DuPont Imron or equivalent. \_\_\_\_\_

### **SAFETY**

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

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

### **WARRANTY**

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

11.2 The warranty for the Specialized Utility Vehicle shall cover the complete equipment, and all parts thereof against any defects of workmanship, construction and materials, for a period of 24 months. Any article 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. Please provide complete warranty details with the bid submission \_\_\_\_\_

### **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: **Six to Eight (6-8) calendar weeks** from the date of award. Equipment shall be delivered between 8:00 am and 2:00 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 \_\_\_\_\_

### **MANUALS**

13.1 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. \_\_\_\_\_

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 or USB flash drive are preferred.

\_\_\_\_\_

14.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT**

14.1 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 and belts 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. The required set of belts shall include, alternator, water pump, and power steering or otherwise all known necessary replacement belts used on the equipment.

\_\_\_\_\_

14.2 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.

\_\_\_\_\_