

FORM N: DETAILED SPECIFICATIONS 21016

HEATED ASPHALT SLIDE-IN INSERT FOR DUMP BODY

1. INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 1.1 All items in these specifications should be answered indicating compliance or non-compliance.
- 1.2 **Proponents 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 Proponent 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 Proponent 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 **HEATED ASPHALT SLIDE-IN INSERT** and other equipment and features as specified herein.
- 2.2 The **HEATED ASPHALT SLIDE-IN INSERT** shall be a new 2021 model year or newer.
- 2.3 The **HEATED ASPHALT SLIDE-IN INSERT** 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 **HEATED ASPHALT SLIDE-IN INSERT** shall be the manufacturer's latest model, as may be modified by these specifications. The **HEATED ASPHALT SLIDE-IN INSERT**, 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. 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 **HEATED ASPHALT SLIDE-IN INSERT** 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: <http://web2.gov.mb.ca/laws/regs/current/217.06.pdf>

Canadian Motor Vehicle Safety Standards C.M.V.S.S. http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html

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.
- 3.4 The completed unit shall include a Manitoba Government Inspection with Safety Sticker on the driver's side window.
- 3.5 The completed vehicle shall be complete with a National Safety Mark, NSM.
- 3.6 State NSM Number: _____

4. 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. MAKE & MODEL

- 5.1 State year, make and model being bid: _____

6.0 PERFORMANCE RELIABILITY

- 6.1 The responsibility for the design of the **HEATED ASPHALT SLIDE-IN INSERT**, 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 Industrial Sidewalk Machine 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 **HEATED ASPHALT SLIDE-IN INSERT** 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.

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| 9.9 | On-board battery | With battery charger.

State battery capacity (CCA or Ah):
_____ | _____ |
| 9.10 | Pre-heater with circulation pump | 120VAC for overnight heating to maintain repair mix temperature. | _____ |
| 9.11 | Hydraulically operated rear shoveling platform | For ergonomic and safe shoveling. Self-contained hydraulic pump. | _____ |
| 9.12 | Debris divider | To create a space at the front of the bed where asphalt debris removed from potholes prior to repair can be placed and not intermingle with repair mix when truck bed is tilted upward. | _____ |
| 9.13 | Insulated cover trap | For cold weather. | _____ |
| 9.14 | Tarp bow and bracket support kit | To create an air space under the tarp and limit tarp contact with the heated repair mix. | _____ |
| 9.15 | Finish/paint | All steel components unless otherwise noted in these specifications shall be: <ul style="list-style-type: none">• Sandblasted• Properly cleaned• Primed and finished with an Epoxy or Polyurethane paint process | _____ |

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.

Contractor shall state all warranty information.

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|------|---|---------------|-------|
| 10.2 | Defect of workmanship, construction and materials | State. | _____ |
| 10.3 | Hydraulic cylinders/motors | State. | _____ |
| 10.4 | Heat pump | 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. The Bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order _____

- 11.2 Delivery Time: **State earliest delivery time** from the 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 (hard copy) 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 **PARTS/LABOUR PRICING**

13.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount-** %_____

13.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount-** %_____