

FORM N: DETAILED SPECIFICATIONS 23001

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 2023 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/regcs/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/regcs/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.

8.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **HEATED ASPHALT SLIDE-IN INSERT** of the type being offered.

9.0 SPECIFICATIONS:

9.1 Heated Asphalt Slide-In Insert shall be supplied, delivered and installed on the following three (3) City of Winnipeg owned vehicles: 2011 and 2022 F550 Super Duty trucks with 9' x 8' Crysteel and Voth Dump Bodies and shall be complete with all hardware (including any electrical harnesses, mounting brackets, attaching kits etc.) necessary for hook-up and proper operation for the intended application.

- 2011 F550 Chassis (Diesel) 19,500lbs GWVR (Unit# 2321302, 2321403)
- 2011 Crysteel Dump body 9' L x 8' W (Unit# 5541302, 5541403)
- 2022 F550 Chassis (Diesel) 19,500lbs GWVR (Unit# 2272223)
- 2023 Voth Dump body 9' L x 8' W (Unit# TBD)

Chassis Unit #	Body Unit #	Department	Model (Body)	Serial #
2272223	TBD	PW-SM-NORTH AREA	9' X 8' (12" Sides)	TBD
2321302	5541302	PW-SM-SOUTH AREA	9' X 8' (12" Sides)	3118137
2321403	5541403	PW-SM-SOUTH AREA	9' X 8' (12" Sides)	3118139

9.2 Self-contained heated dump body insert _____
Designed for use with cold patch asphalt repairs. Approx. 108" L X 82" W.

9.3 Box construction _____
Double wall steel floor and sidewalls approx. 12" high.
State the steel thickness for the floor and side walls: _____

9.4 Capacity _____
Approx. 2300kg/5000lbs. of cold patch asphalt mix.

9.5 Operating weight (without load) _____
State the weight of the heated asphalt slide-in insert without any load: _____

9.6 Dump body mounting brackets _____
Secured by front and rear attaching brackets with removable pins for easy removal/reinstallation of unit.

9.7 Integrated high output diesel heat pump, heated floor and sides _____
Self-contained unit with integrated fuel tank. Coolant based heat transfer fluid, flows between layer of double walled steel floor and side walls for even heat distribution. Not to heat product above 82°C. Approx. 9.1 kW heating capacity.

State kW rating: _____

9.8	Diesel tank	Fuel tank cap with fuel gauge. State capacity in US Gallons or Liters: _____	_____
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	<u>WARRANTY</u>		
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.		
10.2	Defect of workmanship, construction and materials	State.	_____
10.3	Hydraulic cylinders/motors	State.	_____
10.4	Heat pump	State.	_____
11.0	<u>DELIVERY</u>		

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-** %_____