

FORM N: DETAILED SPECIFICATIONS 22009

GALVANIZED EQUIPMENT TRANSPORT TRAILER

1. INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 1.1 All items in these specifications should be answered indicating compliance or non-compliance.
- 1.2 **Bidder 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 **Equipment Transport Trailer** and other equipment and features as specified herein.
- 2.2 The **Equipment Transport Trailer** shall be a new **2022** model year or newer.
- 2.3 The **Equipment Transport Trailer** 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 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 Where applicable, the **Equipment Transport Trailer** 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://www.gov.mb.ca/labour/safety/pdf/1_2016_wsh_ar_oc.pdf

Canadian Motor Vehicle Safety Standards C.M.V.S.S.
[Motor Vehicle Safety Regulations \(justice.gc.ca\)](http://www.justice.gc.ca/eng/acts-regulations/acts-road.htm)

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:

[Underwriters Laboratories of Canada \(ULC\)](#)

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

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.

6. MAKE & MODEL

6.1 State year, make and model being bid:

Model Year: _____

Make: _____

Model: _____

7. PERFORMANCE RELIABILITY

7.1 The responsibility for the design of the **Equipment Transport Trailer** 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 **Equipment Transport Trailer** 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. SERVICE FACILITY

- 8.1 For the purpose of 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 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

9. QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 9.1 The manufacturer of the **Equipment Transport Trailer** shall have five (5) years continuous experience manufacturing **Equipment Transport Trailers**.
- 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 **Equipment Transport Trailers** of the type being offered.

10. SPECIFICATIONS

Requirement:

The City of Winnipeg requires one (1) Equipment Trailer meeting the following specifications:

- Transport a Bobcat T770 Track Loader and Attachments to various work sites around the City of Winnipeg

Bobcat T770 Track Loader has a dry weight of approximately 10,500 lbs.
Attachment approximate weights:

- Vibratory Roller: 2325 lbs.
 - Soil Conditioner: 1275 lbs.
 - 4 in 1 Clamp Bucket: 1100 lbs.
 - Material Bucket: 850 lbs.
 - Blower: 1400 lbs.
-
- Similar in scope to the pictures below



Make and Model

- 10.1 Trailer Make **State:** make: _____
- 10.2 Trailer Model **State:** model: _____
- 10.3 Model Year **State:** year: _____

Weight and Dimensions

- 10.4 GVWR Approximately 23,000 lbs.
State: GVWR: _____
- 10.5 Payload Approximately 16,500 lbs.
State: payload: _____
- 10.6 Overall Length Approximately 35 ft.
State: overall length: _____
- 10.7 Deck Length Approximately 24 ft.
State: deck length: _____
- 10.8 Deck Width Approximately 102 in.
State: deck width: _____
- 10.9 Deck Height Approximately 35 in.
State: deck height: _____

Construction

- 10.10 Surface Finish Hot-dipped galvanized finish
State:
Surface finish type: _____
- 10.11 Frame Size
 - Frame: I-Beam
 - Cross-members: I-Beam on 12 – 16 in. centres**State:**
Details of the frame and cross-member construction including materials, sizes, centres, etc.:

- 10.12 Deck Material
 - Premium fir planking
 - Thickness to suit intended application**State** deck thickness: _____
- 10.13 Jacks
 - Capacity approximately 15,000 - 20,000 lbs.
 - Dual side wind type
 - Dual speed_____

10.14	Hitch Assembly	Adjustable bolt-on pintle hitch	_____
10.15	Safety Chains and Eye Hooks	<ul style="list-style-type: none"> • Safety chains and eye hooks shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act • Eye hooks to be complete with spring closures 	_____
10.16	Load Securement	<ul style="list-style-type: none"> • D-Ring tie downs • Spaced approximately every 36 in. State: load securement details: _____ _____	_____
10.17	Transport Chains	<ul style="list-style-type: none"> • As required for secure transport of the equipment specified in this Tender. • Chains to be complete with heavy duty, spring loaded load binders 	_____
10.18	Loading Ramps	<ul style="list-style-type: none"> • Full width, dual • “Load Flat” ramps • Beavertail approximately 4 x 5 ft. • Self-cleaning • Spring assisted 	_____



10.19	Deck Stop	Deck Stop	_____
10.20	Stake Pockets	Stake Pockets	_____
10.21	Rub Rail	Rub Rail	_____
10.22	Access Step	Access step to the deck	_____
10.23	Tool Box	<ul style="list-style-type: none"> • Front mounted • Fully enclosed with lid or doors • Aluminum or steel • Largest size available State: tool box size: _____	_____

AXLES, WHEELS AND TIRES

10.24	Axles	<ul style="list-style-type: none"> • Qty two (2) • Approximately 10,000 lbs. capacity each • Dual wheels • Oil bath lubrication for axle bearings State: axle capacity: _____	_____
10.25	Suspension	Leaf spring State: type: _____	_____

10.26 Tires • Qty eight (8) plus spare
• ST235/80R16 LRE
State: tire size: _____

10.27 Spare Tire Carrier Spare tire carrier _____

10.28 Mud Flaps Mud flaps _____

Brakes

10.29 Brakes Forward self-adjusting electric _____

Trailer Connection

10.30 Trailer Plug 7-way round pin connector _____

Lighting

10.31 All Lighting Conformance:
• LED Lighting
• C.M.V.S.S.
• Manitoba Highway Traffic Act _____

10.32 License Plate Light Complete with license plate bracket _____

Lubrication

10.33 Grease Zerks _____

Due to operator safety requirements and convenience:

- All manual grease zerks shall be accessible to the operator
- Hard to access and/or near a heat sources, a remote block with hydraulic lines shall be mounted to accommodate manual lubrication
- Remote block to be fitted with hydraulic lines with an approximately maximum working pressure of 5000 psi using #4 JIC fittings

State:
quantity and locations: _____

Safety

10.34 Signs • Wide Load
• Caution – Stand Clear
• Securely mounted to bottom of ramps _____



10.35 Conspicuity Tape Truck-Lite 98127 or equal, affixed _____

Standards
(Where Applicable)

Lighting and Electrical Standards

- | | | |
|-------|--|-------|
| 10.36 | Conformance: <ul style="list-style-type: none">• LED Lighting• C.M.V.S.S.• Manitoba Highway Traffic Act.• City of Winnipeg Lighting Visibility Standard http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf | _____ |
| 10.37 | Lighting: <ul style="list-style-type: none">• Supplier installed• High count LED | _____ |
| 10.38 | Visibility: <ul style="list-style-type: none">• No clearance light shall protrude beyond the trailer body | _____ |
| 10.39 | Identification: <ul style="list-style-type: none">• All warning lights and switches to be identified with permanent, engraved type labels | _____ |
| 10.40 | Connection System: <ul style="list-style-type: none">• Weather Pack Sealed Connection System | _____ |
| 10.41 | Grommets: <ul style="list-style-type: none">• Rubber grommets unless otherwise specified | _____ |
| 10.42 | Harnesses: <ul style="list-style-type: none">• Harness system, properly routed and secured.• All harnesses shall be internally grounded, no exceptions• Colour coded or numbered | _____ |
| 10.43 | Junction box: <ul style="list-style-type: none">• Complete with necessary compression fittings, required for all vehicle lighting harness connections• Securely located• Readily accessible for servicing• Protected from road spray | _____ |
| 10.44 | All Plug-In Connectors: <ul style="list-style-type: none">• All plug-in connectors shall be coated with Truck-Lite NYK Corrosion Preventive Compound prior to assembly | _____ |
| 10.45 | Wiring: <ul style="list-style-type: none">• All wiring to be colour coded, loomed and properly secured. | _____ |
| 10.46 | Electrical Connectors: <ul style="list-style-type: none">• All electrical connectors to be crimped, soldered and then sealed using heat shrink tubing | _____ |
| 10.47 | Joining of Wires: <ul style="list-style-type: none">• All joining of wires to be soldered and sealed using heat shrink tubing or approved OEM weather tight connections | _____ |

Note: Crimp on electrical connectors for joining wires are not acceptable

10.48 Wiring Routing:

- Any holes required to run wires through shall be drilled (not punched), grommeted and sealed

11.0 **WARRANTY:**

11.1 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.

11.2 The warranty for the **Equipment Transport Trailer** 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.

11.3 Basic Equipment **State:** Terms: _____
(Comprehensive)

11.4 Other **State:** Terms: _____

12.0 **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.V.I.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB.

12.2 **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: _____

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

13.0 **MANUALS:**

13.1 **Manuals:** _____

The following manuals shall be supplied with the units 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.

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: _____

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

15.1 If applicable, in order 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. _____

15.2 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. _____