

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF HEAVY EQUIPMENT TRAILERS

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 HEAVY EQUIPMENT TRAILERS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Tri-axle Tilt Deck Trailer 70,000 lbs. GTWR	16057	Each	1	
2.	Drop Deck Trailer 25,000 lbs. GVWR	16058	Each	1	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 16057
TRI-AXLE TILT DECK TRAILER

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe a **Tri-Axle Tilt Deck Trailer** and other equipment and features as specified herein for carrying/transporting a 45,000 lbs. Caterpillar AP1000F asphalt paver.
- 1.2 The **Tri-Axle Tilt Deck Trailer** shall be a new 2016 model year or newer.
- 1.3 The **Tri-Axle Tilt Deck 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.
- 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 **Tri-axle Tilt Deck Trailer** shall comply with the applicable regulations:
- National Safety Mark, NSM
 - Manitoba Safety and Health Act, Parts 12, 22
 - Canadian Standards Association, CSA
 - Under Writers of Canada, U/L
 - Society of Automotive Engineers, SAE
 - 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.
- 3.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that the City of Winnipeg Repair Facility perform warranty work. Any Work performed by the City of Winnipeg Repair Facility shall be charged to the Contractor at the Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2016: \$88.00/hour and \$112.00/hour for overtime and callout).

4.0 REFERENCES

- 4.1 If available, please provide five (5) Canadian references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

5.0 MAKE & MODEL

- 5.1 **State** make, model and year: _____

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 **Tri-Axle Tilt Deck 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 **Tri-Axle Tilt Deck 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)**

8.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 8.1 The manufacturer of the **Tri-Axle Tilt Deck Trailer** shall have five (5) years continuous experience manufacturing **Tri-Axle Tilt Deck Trailers** of the type.
- 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 **Tri-Axle Tilt Deck Trailers** of the type being described in these specifications.

9.0 SPECIFICATION

**BIDDER TO STATE "YES"
 OR STATE DEVIATION**

- 9.1 Tri-axle trailer (similar to the picture below) capable of carrying/transporting a Caterpillar AP1000F Asphalt paver weighing approx. 45,000 lbs., width 10'6" (transport). _____



WEIGHT AND DIMENSIONS

- 9.2 Deck length approx. 27 ft., **state**. _____
- 9.3 Wheelbase approx. 21'4" from centre of pintle hitch to centre of middle axle, **state**. _____
- 9.4 Overall length approx. 34 ft., with loading ramps in transport position. _____
- 9.5 Tongue length approx. 78 in., **state**. _____
- 9.6 Deck width approx. 10'6", **state**. _____
- 9.7 Overall width approx. 10'6", **state**. _____
- 9.8 Gross trailer rating (GTWR) 70,000 lbs., **state**. _____
- 9.9 Tare weight approx. 15,000 lbs., **state**. _____
- 9.10 Deck height, air adjustable from 32-36 inches, **state** range. _____

CONSTRUCTION

- 9.11 Frame: heavy duty steel frame, constructed to meet the GTWR requirements. State details of the frame and cross member construction including materials, centres, etc. _____

- 9.12 Deck material: pressure treated fir planking, thickness capable of transporting 45,000 lbs. paver. **State** deck thickness _____
- 9.13 Air assisted front tilt c/w air exhaust. _____
- 9.14 Front landing gear: two (2) speed landing gear, Holland Mark V. _____

- 9.15 Hitch assembly: adjustable bolt-on pintle hitch, rated for GTWR. **State** make and model being bid _____
- 9.16 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. _____
- 9.17 Tie down rings: twelve (12) flush mounted, weld-on D-rings. _____
- 9.18 Transport chains: as required for secure transport of a 45,000 lbs. paver. Chains to be complete with heavy duty, spring loaded load binders. _____
- 9.19 Loading ramps: air assisted loading ramps, approx. 7'6", **state** length. _____
- 9.20 Rear roller: 4 in. rear roller under trailer. _____
- 9.21 Front tool box: steel construction, fully enclosed with steel lid, approx. 30" W x 18" H x 18" D, lockable with pad lock. Size and exact location TBD during a preproduction meeting. _____
- 9.22 All welding performed shall conform to CSA Standard W47.1-03 and W59-03. _____

Note: All welds are subject to inspection by a City of Winnipeg Qualified Inspector.

AXLES, WHEELS AND TIRES

- 9.23 Axles: three (3) 25,000 lbs. _____
- 9.24 Tires: twelve (12) 14-ply tires, 245 75 R 17.5 with suitable steel disk cast spoke rims. _____
- 9.25 Suspension: Hendrickson air ride suspension c/w dump loading valve. _____
- 9.26 Air brakes: with ABS. _____

ELECTRICAL AND LIGHTING

- 9.27 Shall be equipped with a 12-Volt negative ground electrical and lighting system meeting all applicable Manitoba Highway Traffic Act and C.M.V.S.S. requirements. _____
- 9.28 Lighting shall be Truck-Lite. _____
- 9.29 Combination turn/stop and taillights P/N 44302R, one (1) per side with 40700 mounting grommets. _____
- 9.30 Light cluster: three (3) P/N 10250R with P/N 10700 mounting grommets, located to be protected from damage. _____
- 9.31 Clearance lamps: flush mounted, P/N 10250R and 10250Y with P/N 10700 mounting grommets. _____
- 9.32 License plate lamp: P/N 36140 with license plate bracket P/N 36710 _____
- 9.33 Wiring harness: Truck-Lite 50 Series Harness System, properly routed and secure. _____

- 9.34 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. _____
- 9.35 All pug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly. _____
- 9.36 Trailer connector: 7-way round pin connector. _____
- 9.37 Any holes required to run wires through shall be drilled (not punched) grommetted and sealed as required. _____

FINISH

- 9.38 The entire trailer (excluding the hardwood deck) shall be sandblasted, prepared and primed with suitable primer prior to painting and finished with the Endura paint process (or equivalent) as follows: _____
- 9.39 Primer – Endura EP521 Intermix Epoxy Primer or equivalent. _____
- 9.40 Paint – 3-5 mils of Endura EX-2C Topcoat, black, or equivalent. _____

10.0 WARRANTY

- 10.1 The Contractor shall warrant all equipment and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City any article that has become defective and not proven to have been caused by negligence on the part of the user within one (1) year from the date the equipment is put into service by the City of Winnipeg. _____

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. _____
- 11.2 **Delivery Time: ten to twelve (10-12) calendar weeks** 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 is preferred where available. _____

- 12.2 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

FORM N: DETAILED SPECIFICATIONS 16058
DROP DECK TRAILER

1.0 DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe a **Drop Deck Trailer** and other equipment and features as specified herein for carrying/transporting a combination roller weighing 16,000 lbs.
- 1.2 The **Drop Deck Trailer** shall be a new 2016 model year or newer.
- 1.3 The **Drop Deck 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.
- 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 **Drop Deck Trailer** shall comply with the applicable regulations:
- National Safety Mark, NSM
 - Manitoba Safety and Health Act, Parts 12, 22
 - Canadian Standards Association, CSA
 - Under Writers of Canada, U/L
 - Society of Automotive Engineers, SAE
 - 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.
- 3.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that the City of Winnipeg Repair Facility perform warranty work. Any Work performed by the City of Winnipeg Repair Facility shall be charged to the Contractor at the Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2016: \$88.00/hour and \$ 112.00/hour for overtime and callout).

4.0 REFERENCES

- 4.1 If available, please provide five (5) Canadian references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

5.0 MAKE & MODEL

- 5.1 **State** make, model and year: _____

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 **Drop Deck 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 **Drop Deck 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)**

8.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR

- 8.1 The manufacturer of the **Drop Deck Trailer** shall have five (5) years continuous experience manufacturing **Drop Deck Trailers** of the type described in these specifications.

- 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 **Drop Deck Trailer** of the type being offered.

9.0 SPECIFICATION

**BIDDER TO STATE "YES"
OR STATE DEVIATION**

- 9.1 Ground level loading trailer (similar to the picture below) capable of carrying/transporting a Combination Roller weighting approx. 16,000 lbs, width 60".



WEIGHT AND DIMENSIONS

- 9.2 Deck length approx. 16 ft., **state**.
- 9.3 Wheelbase approx. 15.5' from centre of pintle hitch to centre of axles, **state**.
- 9.4 Overall length approx. 23.5 ft., with loading ramps in transport position
- 9.5 Tongue length approx. 82 in., **state**
- 9.6 Deck width approx. 68", **state**
- 9.7 Overall width approx. 102", **state**
- 9.8 Gross trailer rating (GTWR) approx. 25,000 lbs., **state**.
- 9.9 Tare weight approx. 6,000 lbs., **state**.
- 9.10 Deck height, air adjustable from approx. 7.5-20 inches.

CONSTRUCTION

- 9.11 Frame: heavy duty steel frame, constructed to meet the GTWR requirements. State details of the frame and cross member construction

including materials, centres, etc. _____

- 9.12 Deck material: pressure treated fir planking, thickness capable of transporting 16,000 lbs. Combination Roller. **State** deck thickness _____
- 9.13 Front landing gear: two (2) speed landing gear, Holland Mark V. _____
- 9.14 Hitch assembly: adjustable bolt-on pintle hitch, rated for GTWR. **State** make and model being bid _____
- 9.15 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. _____
- 9.16 Tie down rings: eight (8) flush mounted, weld-on D-rings _____
- 9.17 Transport chains: as required for secure transport of a 16,000 lbs. combination roller. Chains to be complete with heavy duty, spring loaded load binders. _____
- 9.18 Loading ramps: approx. 30" x 24" flip up with spring assist, **state** length _____
- 9.19 Front tool box: steel construction, fully enclosed with steel lid, lockable with pad lock, Size and exact location TBD during a preproduction meeting. _____
- 9.20 All welding performed shall conform to CSA Standard W47.1-03 and W59-03. _____

Note: All welds are subject to inspection by a City of Winnipeg Qualified Inspector.

AXLES, WHEELS AND TIRES

- 9.21 Axles: two (2) 13,000 lbs. _____
- 9.22 Tires: four (4) tires, 11R22.5 with suitable steel disk cast spoke rims. 6610 lbs. load range. _____
- 9.23 Suspension: Swing arm axles with Hendrickson air ride suspension/lift mechanism. Similar to the pictures below. _____
- 9.24 Air brakes: with ABS. _____
- 9.25 Picture of Suspension (inner). _____



9.26 Picture of suspension (outer).



ELECTRICAL AND LIGHTING

- 9.27 Shall be equipped with a 12-Volt negative ground electrical and lighting system meeting all applicable Manitoba Highway Traffic Act and C.M.V.S.S. requirements.
- 9.28 Lighting shall be Truck-Lite
- 9.29 Combination turn/stop and taillights P/N 44302R, one (1) per side with 40700 mounting grommets.

- 9.30 Light cluster: three (3) P/N 10250R with P/N 10700 mounting grommets, located to be protected from damage. _____
- 9.31 Clearance lamps: flush mounted P/N 10250R and 10250Y with P/N 10700 mounting grommets. _____
- 9.32 License plate lamp: P/N 36140 with license plate bracket P/N 36710 _____
- 9.33 Wiring harness: Truck-Lite 50 Series Harness System, properly routed and secure _____
- 9.34 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. _____
- 9.35 All pug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly. _____
- 9.36 Trailer connector: 7-way round pin connector _____
- 9.37 Any holes required to run wires through shall be drilled (not punched) grommetted and sealed as required. _____

FINISH

- 9.38 The entire trailer (excluding the Harwood deck) shall be sandblasted, prepared and primed with suitable primer prior to painting _____
- 9.39 Paint: entire trailer (excluding deck) shall be painted black with two coats of polyurethane enamel, DuPont Imron or equivalent _____

10.0 **WARRANTY**

- 10.1 The Contractor shall warrant all equipment and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace without cost to the City any article that has become defective and not proven to have been caused by negligence on the part of the user within one (1) year from the date the equipment is put into service by the City of Winnipeg. _____

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. _____
- 11.2 **Delivery Time: ten to twelve (10-12) calendar weeks** 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. _____
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12.0 **MANUALS**

12.1 Manuals supplied under this contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.

12.2 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.