

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF 9' X 8' DUMP BODIES

2. Bidder

Name of Bidder

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

Street

City

Province

Postal Code

(Mailing address if different)

Email Address of Bidder

Facsimile Number

Street or P.O. Box

City

Province

Postal Code

(Choose one)

GST Registration Number (if applicable)

The Bidder is:

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 9' X 8' DUMP BODIES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	9' x 8' Dump Body	15045	Each	6	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 15045

9' x 8' DUMP BODY

1.0 SCOPE

- 1.1 These specifications describe the supply and delivery of a nominal 9' x 8' steel dump body, to be mounted on a City owned cab & chassis vehicle. The City of Winnipeg, Facility 7 Repair Facility will perform the installation of the dump body (see 13.0 Installation for chassis description).
- 1.2 The unit shall be furnished complete and ready for installation. All parts not specifically mentioned, but which are required to complete and place the unit into successful operation, shall be furnished as though specifically mentioned in these specifications. The complete unit and all parts thereof, shall conform in strength and quality of material and workmanship to the best standards and engineering practice of the industry.
- 1.3 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 unit.
- 1.4 The ratings specified herein merely state the minimum values acceptable to the City. There is no intent of implying that these values are sufficient for the design of the unit being bid.

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.

Society of Automotive Engineers, SAE: http://www.standardsportal.org/usa_en/sdo/sae.aspx

- 2.2 The completed unit and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection.

Highway Traffic Act: <http://web2.gov.mb.ca/laws/statutes/ccsm/h060e.php>

Canadian Motor Vehicle Safety Standards, CMVSS:
<https://www.tc.gc.ca/eng/acts-regulations/acts-1993c16.htm>

- 2.3 All welding shall conform to the CSA/CWB Standards W47.1-03 and W59-03.

3.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 3.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders shall state "yes" for compliance or state deviation, or give a reply where requested to do so.** Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 3.2 Each bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

4.0 DUMP BODY – DIMENSIONS

- 4.1 Length, outside – 9 ft. approx., **state.** _____
- 4.2 Width, outside – to match chassis track width, nominal 8 ft. _____

4.3 Height of sides – 12 in. approx. measured from the floor, **state**. _____

4.4 Height of tailgate – 18 in. approx. measured from the floor, **state**. _____

4.5 Height of front – to match chassis cab height, 44 in. approx. _____

5.0 MATERIAL

5.1 All material used in construction to be minimum 10 ga. steel, minimum 36,000 psi yield except where otherwise noted. _____

6.0 FRONT

6.1 Construction – 10 ga. steel, formed construction with vertical or horizontal reinforcement rib(s) formed into front of body as required. _____

6.2 Plasma cut window – required for viewing through rear cab window. _____

6.3 Cab shield – formed from a single sheet of steel, bolt-on design, 12 in. deep, sloped @ 15° approx. The cab shield shall be of sufficient strength to accommodate two (2) City supplied and installed lumber racks, a directional arrow and a mini light bar. _____

6.4 Sides of cab shield to be $\frac{3}{16}$ in. plate with heavy duty reinforcement. _____

6.5 Cab shield sides tapered to provide adequate clearance for entry and exit of vehicle cab. _____

7.0 SIDES

7.1 Construction – fold-down design, clean side style formed sides without vertical reinforcements, double walled design with inner panel 10 ga. steel, outer panel 12 ga. steel, formed top rail with a formed, self-cleaning bottom rail, welded into a 1-piece design. _____

7.2 Rear corner pillars – 4" x 8" approx., formed or structural, one per side. _____

7.3 Sides shall be able to fold-down for ease of access to payload from the side of the body. _____

7.4 Rubber blocks – two (2) per side (one front, one rear), 6"L x 3"H x 3"D approx., required to prevent metal-to-metal contact when sides are in the "down" position. _____

7.5 Lever(s) – Single or dual levers per side actuating front and rear locking pins. _____

7.6 Grease zerks – fold-down sides shall incorporate greasable hinges. _____

7.7 Plank gussets – designed for 2" x 6" planks, with $\frac{1}{2}$ in. diameter bolt holes. _____

7.7.1 Planks – 2" x 6" painted black on all sides or 2" x 6" polyboard, black. _____

8.0 TAILGATE

- 8.1 Shall be a two-way tailgate able to open from the top and bottom. _____
- 8.1.1 Tailgate shall not protrude above floor in horizontal or full down position. _____
- 8.1.2 There shall be a minimal gap between tailgate and the floor and sides when tailgate is in the closed or horizontal position. _____
- 8.2 Construction – formed construction, double walled design with inner panel 10 ga. steel, outer panel 12 ga. steel, formed top rail with a formed self-cleaning bottom rail. _____
- 8.3 Tailgate shall be reinforced as required with heavy duty (min. $\frac{3}{8}$ in.) end plates. _____
- 8.4 Release mechanism, upper – lever operated to release upper pins to allow the tailgate to fold-down. _____
- 8.5 Release mechanism, lower – release handle located at the front, driver’s side of the body, mechanism grease zerk lubricated. _____
- 8.6 Top tailgate anchor pins – $1\frac{1}{4}$ in. diameter approx., self-locking/storing to top of side post, greasable. _____
- 8.7 Support and spreader chains – 9.5 mm ($\frac{3}{8}$ in.) transport grade 70, adequately fastened c/w chain storage and two (2) removable links per chain. _____
- 8.7.1 Support and spreader chains shall be equipped with a protective cover. _____

9.0 FLOOR

- 9.1 Material – $\frac{3}{16}$ in. or 7 ga. steel, state material. _____
- 9.2 Two-piece floor maximum (one-piece preferred). Two-piece floors shall be continuously welded. _____
- 9.3 Long sills – 5 in. height approx., formed long sills, tapered hat section or C-channel design, continuously welded to the floor. _____

10.0 HOIST, SUBFRAME AND CONTROLS

- 10.1 Hoist type – double acting, hydraulic scissor lift hoist, electric pump Activated, installed in sub-frame. _____
- 10.2 Capacity – 8-ton (16,000 lbs.) capacity, **state**. _____
- 10.3 Dumping angle – 45° approx., **state**. _____
- 10.4 Sub-frame – required, mounted to dump box. _____
- 10.5 Power pack – hydraulic power pack, ready for installation in a sealed, frame-mounted enclosure. _____

10.6 Controls – up/down controls, hand held with remote pendant or permanent type for installation on dash. **State** type.

11.0 ELECTRICAL & LIGHTING

11.1 All lighting shall be supplied and installed in the dump body and shall be LED and shall conform to C.M.V.S.S. and the Manitoba Highway Traffic Act.

11.2 All lighting and lighting equipment shall be Truck-Lite (except where otherwise noted) and shall include the following components:

11.2.1 Combination turn/stop and taillights – P/N 44302R or oval equivalent, with 40700 or equivalent oval mounting grommets.

11.2.2 Back-up lights – P/N 44206C or oval equivalent, one (1) per side with 40700 or equivalent oval mounting grommets.

11.2.3 Light cluster – three (3) only P/N 10250R with P/N 10700 mounting grommets, located to be protected from damage.

11.2.4 Rear light mounting location – taillights, back-up lights and 3-light cluster shall be mounted in the rear sill of the dump body or in the rear corner posts. The lights shall be situated so that no debris contacts the lights while dumping.

11.2.5 Clearance lamps – P/N 10250R and 10250Y with P/N 10700 mounting grommets.

11.2.6 Clearance lamp mounting locations:

i) Front – two (2), located one on each bottom corner.

ii) Sides – two (2) per side, located on front and rear bottom corners.

iii) Rear – two (2), located one on each bottom or top corner.

11.3 No clearance light shall protrude beyond the dump body.

11.4 Warning lights – Two (2) Whelen 5GA00FAR lights, mounted one on each side either in the rear sill or corner posts.

11.5 Taillights, back-up lights and warning lights shall be fully visible when tailgate is lowered to horizontal position.

11.6 Licence plate lamp – P/N 36140, c/w P/N 36710 licence plate bracket.

11.7 Harnesses – Truck-Lite 50 Series Harness system or manufacturer's custom built harness, complete and ready for installation. Custom harnesses to be colour coded or numbered as required.

11.7.1 All harnesses shall be internally grounded, no exceptions.

11.8 Junction box – P/N 50400 (supply only), complete with necessary compression fittings, required for all vehicle lighting harness connections.

11.9 All joining of wires shall be soldered and sealed using heat shrink tubing or approved OEM weathertight connections (crimp on electrical connectors for joining wires are not acceptable).

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

12.0 WELDING

12.1 All welds shall be continuous welds.

12.2 All welding performed shall conform to CSA Standard W47.1-03 and W59-03.

12.3 All weld spatter shall be properly removed from the entire body prior to finish.

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

13.0 INSTALLATION

13.1 The City of Winnipeg shall install the bodies on the following City owned cab & chassis vehicles:

2016 Ford F-450

- 16,500 lbs. GVWR
- Crew Cab
- 60 in. CA
- 2WD and 4WD units
- 6.7 L Diesel engine
- TorqShift® 5-Spd. Automatic
- Horizontal discharge exhaust

13.2 Clearance between dump body and back of truck cab shall be 3 in. minimum.

13.3 Tire clearance – body shall provide for a min. 4 in. clearance with rear springs fully loaded.

13.4 Installation manual – the contractor shall provide an installation manual providing installation instructions of the dump body. The manual shall include, but not limited to, body positioning (clearance) between cab and dump body, recommended fasteners, welding criteria, etc.

14.0 MISCELLANEOUS

14.1 Grease fittings – required on tailgate release mechanisms, pivot points, and drop-down side linkages as required.

14.2 Dump body prop – double rod design, required with receiving brackets. The dump body prop shall be operable by a single operator by a lever mechanism, located on the outside of the driver's side frame rail.

14.3 Tie down eyes – four (4) required on inside of body, two front, two rear, exact locations to be determined at time of installation.

14.4 Access ladders – two (2) required, bolt-on, fold-up design, located at front corners of dump body.

14.4.1 Ladder rung(s) – traction type rungs, 13 gauge steel, 2¼ in. width, 2 or 4-hole design, Traction Tread Products or equal. Ladder width shall be 1' 4", 12 in. rung spacing, maximum 18 in. from ground level when folded-down.

14.5 Grab handles – located for ergonomic access to box interior.

15.0 FINISH

15.1 Complete dump body, steel brackets, etc. shall be sandblasted, properly cleaned, primed and finished with the Endura paint process (or equivalent) as follows:

15.1.1 Primer – Endura EP521 Intermix Epoxy Primer or equivalent.

15.1.2 Paint – 3-5 mils of Endura EX-2C Topcoat, black, or equivalent.

16.0 DELIVERY

16.1 Delivery – the unit shall be delivered F.O.B. with the freight prepaid to the Winnipeg Fleet Management Agency, Repair Facility 7, 215 Tecumseh Street, Winnipeg, Manitoba within **sixteen (16) calendar weeks** from the date of award. The Contractor shall contact the Contract Administrator prior to delivery of the equipment. Equipment shall be delivered within 8:00 am and 3:00 pm on Business Days.

16.2 Dump bodies shall not be delivered all at once. This is to accommodate temporary storage of the units and installation times required by the City of Winnipeg. All units shall be delivered within the sixteen (16) calendar weeks, preferably in two (2) batches, supplied on different working days. **State** proposed delivery schedule.

16.3 A pre-delivery inspection shall be performed by the Contractor on all equipment.

17.0 PERFORMANCE RELIABILITY

17.1 The responsibility for the design of the complete dump body, its performance and reliability shall rest upon the Contractor.

17.2 The term "*repeat failures*" as used herein is defined to mean that the same component, assembly, or sub-assembly develops repeated defects, breakdowns and/or malfunctions rendering the unit inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, assembly, or sub-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 schedules.

17.3 Where the unit develops repeated failures in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

18.0 WARRANTY

18.1 For the purpose of warranty repairs, the Contractor 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 equipment being offered. Further to B11.1, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience on dump body equipment, and general service capabilities. A description of the service facility shall be provided within 3-Calendar Days upon request of the Contract Administrator.

18.2 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 **two (2) years** from the date the equipment is put into service by the City of Winnipeg.
