

FORM A: BID
(See B7)

1. Contract Title SUPPLY & INSTALLATION OF 9' X 8' DUMP BODIES

2. Bidder

Name of Bidder

Street

City

Province

Postal Code

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

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

E-mail 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 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 B8)

SUPPLY & INSTALLATION OF 9' X 8' DUMP BODIES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	9' x 8' Dump Body with: Option 1: Arrow Board w/ Mini Light Bar	08115	Each	15	\$ _____	\$ _____
2	9' x 8' Dump Body with: Option 1: Arrow Board w/ Mini Light Bar; and Option 2: Rear and Side Tipping Body	08115	Each	2	\$ _____	\$ _____
3	9' x 8' Dump Body with: Option 1: Arrow Board w/ Mini Light Bar; and Option 3: Body extension and Hoist Delete	08115	Each	1	\$ _____	\$ _____
4	9' x 8' Dump Body with: Option 4: Mini Light Bar	08115	Each	1	\$ _____	\$ _____
5	9' x 8' Dump Body with: Option 1: Arrow Board w/ Mini Light Bar; Option 2: Rear and Side Tipping Body; and Option 5: High Sides and Tailgate	08115	Each	1	\$ _____	\$ _____
6	9' x 8' Dump Body with: Option 1: Arrow Board w/ Mini Light Bar; Option 2: Rear and Side Tipping Body; and Option 6: Crane	08115	Each	2	\$ _____	\$ _____

TOTAL BID PRICE (GST and MRST extra) (in figures) \$ _____

(in words) _____

FORM N: DETAILED SPECIFICATIONS 08115

9' x 8' DUMP BODY

1.0 SCOPE

- 1.1 These specifications describe the supply and installation of a 9' x 8' steel dump body with fold-down sides. The unit shall be installed by the successful bidder on a 2009 Ford F450 cab & chassis owned by the City of Winnipeg. See 15.0 Installation for chassis description.
- 1.2 The unit shall be furnished complete and ready for use. 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 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 All welding shall conform to the CSA/CWB Standards W47.1-03 and W59-03.
- 2.3 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 with Safety Sticker.

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 NATIONAL SAFETY MARK

- 4.1 State NSM number. _____

5.0 PERFORMANCE

- 5.1 The dump body shall be capable of consistent top performance for hauling up to 9,000 lbs. of varying payloads during the summer and winter environments which are normal to the City of Winnipeg. _____

6.0 DUMP BODY – DIMENSIONS

- 6.1 Length, outside – nominal 9 ft. _____
- 6.2 Width, outside – to match chassis track width, nominal 8 ft. _____
- 6.3 Height of sides – 12 in. approx. measured from the floor, state. _____
- 6.4 Height of tailgate – 18 in. approx. measured from the floor, state. _____
- 6.5 Height of front – to match chassis cab height, 44 in. approx. _____

7.0 MATERIAL

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

8.0 FRONT

- 8.1 Construction – 10 ga. steel, formed construction with vertical or horizontal reinforcement rib(s) formed into front of body as required. _____
- 8.2 Cab shield – formed from a single sheet of steel, bolt-on design, 12 in. deep, sloped @ 15° approx. _____
- 8.3 Sides of cab shield to be ³/₁₆ in. plate with heavy duty reinforcement. _____
- 8.4 Cab shield sides tapered @ 30° to provide adequate clearance for entry and exit of vehicle cab. _____

9.0 SIDES

- 9.1 Construction – 12 ga. steel, fold-down design, clean side style formed sides without vertical reinforcements, formed top rail with a formed, self-cleaning bottom rail, welded into a 1-piece design. _____
- 9.2 Rear corner pillars – 4" x 8" approx., formed or structural, one per side. _____
- 9.3 Sides shall be able to fold-down for ease of access to payload from the side of the body. _____
- 9.4 Rubber blocks – two (2), one per side, 6"L x 3"H x 3"D approx., required to prevent metal-to-metal contact when sides are in the “down” position. _____
- 9.5 Lever – single positive lever per side actuating front and rear locking pins. Lever shall be located forward of the rear wheels. _____
- 9.6 Side latch system shall be a positive, over centre cam design rotating over a heavy duty steel pin. _____
- 9.7 Grease zerks – fold-down sides shall incorporate greasable hinges. _____
- 9.8 Plank gussets – designed for 2" x 6" planks, with ½ in. diameter bolt holes. _____
- 9.8.1 Planks – 2" x 6" painted black on all sides or 2" x 6" polyboard, black, installed and bolted in gussets. _____

10.0 TAILGATE

- 10.1 Shall be a two-way tailgate able to open from the top and bottom. _____
- 10.1.1 Tailgate shall not protrude above floor in horizontal or full down position. _____
- 10.1.2 There shall be no gap between tailgate and the floor and sides when tailgate is in the closed or horizontal position. _____
- 10.2 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. _____
- 10.3 Tailgate shall be reinforced as required with heavy duty (min. 3/8 in.) end plates. _____
- 10.4 Release mechanism, upper – lever operated to release upper pins to allow the tailgate to fold-down, grease zerk lubricated. _____
- 10.5 Release mechanism, lower – release handle located at the front, driver's side of the body, mechanism grease zerk lubricated. _____
- 10.6 Top tailgate anchor pins – 1¼ in. diameter min., self-locking/storing to top of side post, greasable. _____
- 10.7 Support and spreader chains – 9.5 mm (3/8 in.) transport grade 70, adequately fastened c/w chain storage and two (2) removable links per chain. _____
- 10.7.1 Support and spreader chains shall be equipped with a protective cover. _____

11.0 FLOOR

- 11.1 Material – 3/16 in. or 7 ga. steel, state material. _____
- 11.2 Two-piece floor maximum (one-piece preferred). Two-piece floors shall be continuously welded. _____
- 11.3 Long sills – 5-10 in. height, formed long sills, tapered hat section or C-channel design, continuously welded to the floor. _____

12.0 HOIST

- 12.1 Type – double acting, hydraulic scissor lift hoist, electric pump activated. _____
- 12.2 Capacity – 8 ton (16,000 lbs.) capacity minimum, state. _____
- 12.3 Dumping angle – 45° approx., state. _____
- 12.4 Hydraulic tank – shall be equipped with a serviceable filter system c/w a hydraulic oil level gauge. _____
- 12.5 Controls – in-cab with up/down controls, hand held with remote pendant or permanently installed in dash. _____

13.0 ELECTRICAL & LIGHTING

- 13.1 All lighting to conform to C.M.V.S.S. and Manitoba Highway Traffic Act. _____
- 13.2 Supplier installed lighting and lighting equipment shall be Truck-Lite (except where otherwise noted) and shall include the following components:
 - 13.2.1 Combination turn/stop and taillights – P/N 44302R, one (1) per side with 40700 mounting grommets, flash rate 70-90 fpm. _____
 - 13.2.2 Back-up lights – P/N 44206C, one (1) per side with 40700 mounting grommets. _____
 - 13.2.3 Light cluster – three (3) only P/N 10250R with P/N 10700 mounting grommets, located to be protected from damage. _____
 - 13.2.4 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 fully enclosed steel or plastic lighting modules. The lights shall be situated so that no debris contacts the lights while dumping. _____
 - 13.2.5 Clearance lamps – P/N 10250R and 10250Y with P/N 10700 mounting grommets. _____
- 13.3 No clearance light shall protrude beyond the dump body. _____
- 13.4 Taillights and back-up lights shall be fully visible when tailgate is lowered to horizontal position. _____
- 13.5 Licence plate lamp – P/N 15040, complete with licence plate bracket. _____
- 13.6 Harnesses – Truck-Lite 50 Series Harness system, properly routed and secured. _____
 - 13.6.1 All harnesses shall be internally grounded, no exceptions. _____
- 13.7 Back-up alarm – STAR model 99901, mounted between frame rails at rear of truck, located to be protected from damage and road spray. _____
- 13.8 Junction box – P/N 50400, complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside rear of truck frame. _____
- 13.9 All plug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly. _____
- 13.10 Strobe lights – two (2) Whelen P/N 5GA00FAR lights, located inside of back-up lights, rear facing in rear sill or in enclosed metal or plastic enclosure boxes. _____
 - 13.10.1 Mini light bar (see Options 1 and 4) and strobe lights shall be wired through the ignition, wired through a single OEM dash mounted switch, labelled “Beacon”. _____
- 13.11 Trailer connector – factory Ford OEM trailer plug shall be mounted and installed in the rear hitch plate. _____

13.12 All wiring for warning lights and back-up alarm shall be colour coded, loomed and properly secured.

13.12.1 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing.

13.12.2 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).

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

14.0 WELDING

14.1 All welds shall be continuous welds.

14.2 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.

15.0 INSTALLATION

15.1 Any holes required in the chassis frame web must be drilled and reamed to fit bolts.

15.1.1 Drilling on chassis frame flanges is not permitted.

15.1.2 Welding on the chassis frame is not permitted.

15.2 Tire clearance – min. 4 in. with rear springs fully loaded.

15.3 Clearance between dump body and back of truck cab shall be 3 in. approx.

15.4 The dump body shall be installed on the following cab & chassis vehicle:

2009 Ford F-450

- 16,500 – 19,000 lbs. GVWR
- Crew Cab
- 60 in. CA
- 2WD and 4WD units
- 6.4 L Diesel engine
- TorqShift® 5-Spd. Automatic
- Horizontal discharge exhaust

15.4.1 The chassis will be available for pick-up on or before January 15, 2009. The Contractor is responsible for pick-up and delivery of the unit as stated in Section 18.0 below.

16.0 MISCELLANEOUS

16.1 Rear fenders – black plastic or polyurethane, ½-round fenders c/w

- stainless steel mounting hardware. _____
- 16.2 Grease fittings – required on tailgate release mechanisms, pivot points, and drop-down side linkages as required. _____
- 16.3 Dump body prop – required with receiving bracket. _____
- 16.4 Rear hitch plate – ½ in. thick solid steel, (laminated plates unacceptable) installed to chassis frame. _____
- 16.4.1 “A” frame hitch reinforcement – 3" x 3" x ⅜" angle iron, welded to back of hitch plate and bolted to chassis frame web. _____
- 16.5 Trailer hitch – combination hitch, Premier 150 with 2 in. ball or approved equivalent hitch, installed on hitch plate at a 24 in. height. _____
- 16.6 Lunette eyes for safety chains – two (2) Buyers Products B56731. _____
- 16.7 Trailer plug socket – shall be installed in rear hitch plate. _____
- Note: The cab & chassis will be supplied with a Ford OEM trailer plug socket and all necessary wiring.
- 16.8 Tie down eyes – four (4) required on inside of body, two front, two rear, exact locations to be determined at time of installation. _____
- 16.9 Access ladders – two (2) required, located at front corners of dump body. _____
- 16.9.1 Ladder rung(s) – traction type rungs, 13 gauge steel, 2¼ in. width, 2 or 4-hole design, Traction Tread Products or equal. _____
- 16.10 Grab handles – located for ergonomic access to box interior. _____
- 16.11 Interfaces – any contact between aluminum and steel shall be separated by a minimum 1/16 in rubber or neoprene sheet to prevent galvanic corrosion. Bolts between aluminum and steel shall be stainless steel. _____
- 17.0 FINISH**
- 17.1 Complete dump body, hitch plate, steel brackets, etc. (with the exception of the inside floor) shall be sandblasted, properly cleaned, primed and finished with the Endura paint process as follows:
 - 17.1.1 Primer – Endura EP521 Intermix Epoxy Primer. _____
 - 17.1.2 Paint – 3-5 mils of Endura EX-2C Topcoat, black. _____
- 17.2 Line-X – complete sides (inside and out) and upper portion of dump body floor to be coated with black Line-X heavy duty non-slip coating, 120 mil thickness minimum. _____
- 18.0 PICK-UP AND DELIVERY**
- 18.1 Pick-up – the Contractor shall be responsible for picking-up the cab & chassis vehicle from the City upon commencement of the Contract. The vehicle will be available for pick-up at the Winnipeg Fleet Manage-

ment Agency, 185 Tecumseh St., Winnipeg, Manitoba. Pick-up times will be between 8:00 am and 3:00 pm on any business day. The Contractor shall be responsible for any related fuel and Insurance costs to and from their facility.

Note: The vehicles will be fully fuelled at the time of pick-up by the Contractor.

18.2 Delivery – the unit shall be serviced, ready for operation, fully fuelled and delivered F.O.B. with the freight prepaid to the Winnipeg Fleet Management Agency, 185 Tecumseh Street, Winnipeg, Manitoba within **twenty-six (26) calendar weeks** from the date of official notification of award of Contract. 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.

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

19.0 PERFORMANCE RELIABILITY

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

19.2 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.

19.3 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.

20.0 WARRANTY

20.1 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 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 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.

20.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that warranty work be performed by the City of Winnipeg Repair Facilities. Any work performed by the City of Winnipeg Repair Facilities 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 2009: \$75.00/hr regular time, \$102.50/hr overtime and callout).

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

21.0 OPTIONS

Note: Options to be priced only as indicated on Form B: Prices.

21.1 Option 1: Arrow Board with Mini Light Bar

21.1.1 Arrow traffic advisor – Whelen TA165NF1, roof mounted, rear facing c/w controller mounted in the cab.

21.1.2 Mini light bar – Whelen R2LPPA., 360° visibility.

21.1.3 Arrow board – the arrow traffic advisor and the mini light bar shall be mounted on an aluminum sign board measuring 48"W x 24"H. Frame shall be 1½ in. square aluminum tubing, braced at the rear for structural support and mounted to the cab roof. Front and rear face of the sign board shall be aluminum sheet metal, painted black. There shall be a cut-out on the top centre of the arrow board measuring 20"W x 5"H where the mini light bar is mounted.

21.1.4 Mini light bar shall be wired through the ignition, wired through a single OEM dash mounted switch, labelled “Beacon” with a permanent type, engraved style label.

21.2 Option 2: Rear and side tipping body.

21.2.1 The body shall be able to dump in two directions, to the rear and to the passenger’s side, actuated by a single lever to change dumping direction, ergonomically located for easy access from the driver.

21.2.2 Hoist – scissor type mounted in a sub-frame allowing the hoist to pivot to the side and rear for dumping in either direction, greasable at base.

21.3 Option 3: Body Extension & Hoist Delete

21.3.1 Body length – 11', suitable for regular cab, 4wd chassis with an 84" CA.

21.3.2 Hoist delete – hoist not required. Body to be permanently fixed to frame rails.

21.4 Option 4: Mini Light Bar

21.4.1 Mini light bar – Whelen R2LPPA., 360° visibility c/w ¾ in. roundbar beacon guard.

21.4.2 Mini light bar shall be wired through the ignition, wired through a single OEM dash mounted switch, labelled “Beacon” with a permanent type, engraved style label.

21.3 **Option 5:** High Sides and Tailgate

21.3.1 Side height – 16 in. sides in lieu of dimension specified in 6.3. _____

21.3.2 Tailgate height – 22 in. tailgate in lieu of dimension specified in 6.4. _____

21.4 **Option 6:** Crane

21.4.1 Type – 6500 ft-lbf electric or hydraulic crane, frame mounted between cab and dump body. _____

21.4.2 State make and model being bid: _____

21.4.3 Reach – 6 ft. with a manually or powered telescoping section to 9 ft. approx., state reach. _____

21.4.4 Rotation – power. _____

21.4.5 Hoist winch – gear driven, reversible 12 Volt DC, single line capacity of 1500 lbs. minimum, 35 ft. of ³/₁₆ in. galvanized cable. _____

21.4.6 Brake – an internal mechanical brake shall be included with the winch. _____

21.4.7 Remote pendant control – required for all crane functions, removable, 15 ft. minimum. _____

21.4.8 Hydraulics – shall include a 12 Volt electric/hydraulic pump powering boom elevation and crane rotation. _____

21.4.9 Boom rest – required to support boom during transport. _____

21.4.10 Mounting – heavy duty steel base plate and frame, secured with Grade-8 bolts. _____

21.4.11 Dump body accommodations – cab shield delete, height of front approx. 20 in. to accommodate crane. _____