FORM A: BID
(See B7)

1. Contract Title — SUPPLY AND INSTALLATION OF 18' 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 AND INSTALLATION OF 18' X 8' DUMP BODIES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	S & I of an 18' x 8' Dump Body	09038	Each	2	$_____	$_____

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

(in words)_____

_____

_____
Name of Bidder

FORM N: DETAILED SPECIFICATIONS 09038

18' x 8' DUMP BODY
(Forestry)

1.0 SCOPE

1.1 These specifications describe the supply and installation of an 18' x 8' steel dump body as specified herein. The unit shall be installed by the successful bidder on a tandem axle cab & chassis owned by The City of Winnipeg (see Section 17.0 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 and dumping during the summer and winter environment which is normal to the City of Winnipeg. _____

6.0 DIMENSIONS

6.1 Length, outside – nominal 18 ft. _____

6.1.1 Length, inside – 17 ft. 6 in. approx. _____

6.2 Width, outside – 8 ft. 6 in. max. including side walking provision (see 9.4). _____

6.2.1 Width, inside – 7 ft. approx. _____

6.3 Height of sides – 48 in. _____

6.4 Height of rear doors – 36 in. approx. _____

6.5 Height of front – to match chassis cab height. _____

7.0 MATERIAL

7.1 All material used in construction to be minimum 10 ga., 65,000 psi yield, A36 steel or equal except where otherwise noted, state material. _____

8.0 FRONT

8.1 Recess for multi-stage head lift. _____

8.2 Cab shield – formed from a single sheet of steel, 24 in. deep, sloped @ 20°. _____

8.2.1 Sides of cab shield to be $^{3}/_{16}$ in. plate. _____

8.2.2 Cab shield sides tapered @ 30° to provide adequate clearance for entry and egress of vehicle cab. _____

8.3 Hoist enclosure – open front design. _____

9.0 SIDES

9.1 Top rail – full box structural steel section, min. 3" x 3" x $^{3}/_{16}$" or equal heavy duty top rail. Top rail shall be able to withstand heavy impacts from large tree stumps and tree trunks. _____

9.2 Side supports – minimum of six (6) vertical v-shaped ribs of formed steel, equally spaced along side of box. _____

9.3 Bottom section of sides shall include a self-cleaning bottom rail. _____

9.4 Walkway – 6 in. steel grip strut attached to full length of each side near floor level providing a walkway from front to rear, hinged, fold-up design c/w grease zerks for hinges. _____

9.5 Tarp rail – ⅜ in. round bar, welded to side supports mid-way between top and bottom, along full length of sides. _____

9.6 Rear side posts – heavy duty, formed or structural, ¼ in. min. _____

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

9.7.1 Ladder rungs – traction type rungs, 13-gauge steel, 2¼ in. width, 2 or 4-hole design, Traction Tread Products® or equal. _____

9.7.2 First rung to be maximum 20 in. from ground level, 14 in. rung spacing to top of body. _____

9.7.3 Grab handles – stainless steel or chrome plated, located for easy access to top of body. _____

9.8 Inside access steps – one (1) per side, approx. 12"L x 5"W, located 30 in. from floor level. _____

10.0 REAR DOORS

10.1 Type – two (2) swing-out doors, hinged on rear side posts, centre latched. The right side door shall overlap the left side door. _____

10.2 Inside – formed from single sheets of steel. _____

10.3 Top rails – full box structural steel section, min. 3" x 3" x $^{3}/_{16}$". _____

10.4 Horizontal rails – heavy-duty, one (1) centred on each door, one (1) self-cleaning bottom rail per door. _____

10.5 Side and centre vertical rails – full box section, min. 3" x 4" x $^{3}/_{16}$". _____

10.6 Hinges – two (2) per side, greasable, severe service with min. 1¼ in. pin diameter. _____

10.7 Rear latch – spring loaded latch mounted to the right side door. The spring loaded pin shall latch into the rear of the floor. _____

10.8 Door stays – required to secure rear doors in the fully open position while dumping. _____

11.0 FLOOR

11.1 Material – $^{3}/_{16}$ in., 100,000 psi yield min., AR200 or equal, state material. _____

11.2 Floor to have a 60° slope along the joint to the side wall. Slope shall extend upward approx. 4 in. _____

11.3 Long sills – 8-10 in. formed longsills, tapered hat section design, continuously welded to the floor, ¼ in. thickness minimum. _____

12.0 HOIST

12.1 Type – 4-stage, front-mounted headlift hoist, nitrided, quenched and polished cylinder stages, protected against corrosion. State make and model being bid. _____

12.2 Bore – 6 in. min., state. _____

12.3 Capacity – min. 30-tons @ 2200 psi, state. _____

12.4 Dumping angle – 50 degrees. _____

12.5 Grease fittings – required on all pivot pins. _____

13.0 IN-CAB CONTROLS

13.1 Hoist controls – electric/hydraulic, wired through OEM chassis manufacturer's factory dash-mounted switch. _____

14.0 HYDRAULICS

14.1 PTO – Muncie electric/hydraulic power shift. _____

14.1.1 Electric/hydraulic power shift to be operable from a normal driving position. _____

14.1.2 PTO warning light – to show PTO engaged, 1 in. diameter., dash mounted, red. _____

14.2 Pump – closed coupled hydraulic dump pump with integral hoist valve, Muncie, Chelsea or Commercial, cable shift, 27 gpm, state make and model being bid. _____

14.2.1 Pump shall be plumbed in a 3-line system configuration. _____

14.3 Hydraulic oil reservoir – right hand side, chassis frame mounted, steel construction, baffled as required, c/w breather type filler cap with filter, filler strainer and sight gauge. _____

14.3.1 Capacity – 20 US gallon min., state capacity. _____

14.3.2 Suction strainer – 100 micron, replaceable, in-tank mounted. _____

14.3.3 Drain plug – ¾ in. diameter. _____

14.3.4 Reservoir shall be clearly labelled "Hydraulic Oil" with a permanent type, engraved style label. _____

14.4 Return line filter – 10 micron spin-on type, serviceable without oil loss. _____

14.5 Shut-off valve – ball type, located between reservoir and inlet side of pump, secured in open position with a bracket and bolt. _____

14.6 Hydraulic hoses – wire braid reinforced, rated for system operating pressure with 4 to 1 safety factor for burst pressure. _____

14.6.1 Hydraulic hoses to be protected at wear and scuff locations. _____

14.6.2 Hose fittings – hydraulic full flow, crimp-on (non-reusable) type. _____

15.0 ELECTRICAL & LIGHTING

15.1 All lighting to conform to CMVSS and Manitoba Highway Traffic Act. _____

15.2 Supplier installed lighting and lighting equipment shall be Truck-Lite (except where otherwise noted) and shall include the following components:

15.2.1 Combination turn/stop and taillights – P/N 44302R, one (1) per side with 40700 mounting grommets. _____

15.2.2 Back-up lights – P/N 44206C, one (1) per side with 40700 mounting grommets. _____

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

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

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

15.2.5.1 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 corner. _____

15.3 No clearance light shall protrude beyond the dump body. _____

15.4 License plate lamp – P/N 15040, complete with license plate bracket. _____

15.5 Harnesses – Truck-Lite 50 Series Harness system, properly routed and secured. _____

15.5.1 All harnesses shall be internally grounded, no exceptions. _____

15.6 Junction box – P/N 50400, complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside rear of truck frame, protected from damage and road spray. _____

15.7 All plug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly. _____

15.8 Mini light bar – Whelen R2LPPA, mounted to top of cab guard, 360° visibility. _____

15.8.1 Branch guard – heavy duty branch guard constructed by ⅜ in. roundbar or equivalent. _____

15.8.2 Strobe lights – two (2) Whelen P/N 5GA00FAR lights, located inside of back-up lights, rear facing in rear sill or in enclosed metal enclosure boxes. _____

15.8.3 Mini light bar and strobe lights shall be wired through the ignition, wired through the chassis dash mounted OEM switch, labelled “Beacon”. _____

15.9 Trailer connector – factory chassis manufacturer’s OEM 6-pole trailer connector shall be mounted and installed in rear hitch plate. _____

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

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

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

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

16.0 WELDING

16.1 All welds shall be continuous welds. _____

16.2 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.

17.0 INSTALLATION

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

17.1.1 Drilling on chassis frame flanges is not permitted. _____

17.1.2 Welding on the chassis frame is not permitted, with the exception of installation of dump body pivot support. _____

17.2 Tire clearance – min. 3 in. plus full suspension deflection. _____

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

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

2009 International

- 54,000 lbs. GVWR, tandem axle
- 156 in. CA
- Outside frame rails clear
- MaxxForce® 10 (9.3L)
- Allison 3000 RDS Series transmission
- Vertical exhaust
- Air brake system

17.4.1 The chassis will be available for pick-up on or before July 24, 2009. The Contractor is responsible for pick-up and delivery of the unit as stated in 20.0 below.

18.0 MISCELLANEOUS

18.1 Rear fenders – black plastic or polyurethane, ½-oval fenders c/w stainless steel mounting hardware. _____

18.2 Hitch plate – "A" frame design c/w ½ in. thick solid steel trailer hitch plate, (laminated plates unacceptable) installed to chassis frame. _____

18.2.1 "A" frame hitch reinforcement – 3" x 3" x ¼" angle iron, welded to back of hitch plate and bolted to chassis frame web. _____

18.3 Pintle hitch – Premier 240 or approved equal, installed on hitch plate at a 24 in. height. _____

18.4 Eye bolts for trailer safety chains – two (2) Buyers Products B56729 or equal. _____

18.5 Trailer plug socket – shall be installed in rear hitch plate. _____

Note: The cab & chassis will be supplied with an IHC OEM trailer plug socket and all necessary wiring.

18.6 Rear fenders – black plastic or polyurethane, ½-oval fenders c/w stainless steel mounting hardware. _____

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

18.8 Dump body prop – operable by a single person, state design. _____

_____

18.8.1 Prop shall support dump body in raised position and permit servicing of hoist. _____

18.8.2 Dump body prop to be complete with a receiving bracket. _____

18.9 Tool boxes – two (2) required, heavy duty aluminum construction, frame mounted, bottom hinged, gas shocks, stainless steel or nickel plated paddle style handles, lockable, dual latching design, keyed alike, 48"L x 18"D x 18"H approx. on driver's side, 30"L x 18"D x 18"H approx. on passenger side or maximized on passenger side to accommodate hydraulic tank and accessories. _____

18.10 Winch type loadbinders – low profile weld-on or bolt-on winches, four (4) per side, Kinedyne 7820 or equal. _____

18.10.1 Straps – min. 3"W x 25'L flat hook winch straps, Kinedyne 323021 or equal. _____

18.10.2 Mounting location – welded to underside of dump body floor, equally spaced. Exact mounting locations to be determined at time of installation. _____

18.11 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. _____

18.12 Automatic greasing system – complete dump body and chassis shall be supplied with a Groeneveld/CPL Systems Inc. automatic greasing system including all required grease points on dump body, approx.

twenty-six (26) points on cab & chassis, and automatic low level shut-off with in-cab red light indicator. _____

19.0 FINISH

19.1 Complete dump body, hitch plate, steel brackets, etc. (with the exception of areas stated in 19.2) shall be sandblasted, properly cleaned, primed and finished with the Endura paint process as follows:

19.1.1 Primer – Endura EP32 Intermix Epoxy Primer. _____

19.1.2 Paint – 3-5 mils of Endura EX-2C Topcoat, black. _____

19.2 Line-X – the following areas shall be coated with black Line-X heavy duty smooth coating, 120 mil thickness minimum:

19.2.1 Sides, interior – complete sides on interior of box. _____

19.2.2 Sides, exterior – required on top of each self-cleaning rail. _____

19.2.3 Tailgate, interior – complete tailgate on interior of box. _____

19.2.4 Tailgate, exterior – required on top of each self-cleaning rail. _____

19.2.5 Top rails – required on upper portion of top rails, i.e., sides and tailgate. _____

20.0 PICK-UP AND DELIVERY

20.1 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 Management 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, licensed and insured at the time of pick-up by the Contractor.

20.2 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 **eighteen (18) 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. _____

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

21.0 PERFORMANCE RELIABILITY

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

21.2 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. _____

21.3 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. _____

22.0 WARRANTY

22.1 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.

22.2 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).

22.3 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. _____