

PART A

BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title SUPPLY & INSTALLATION OF DUMP BODIES AND SNOW PLOW EQUIPMENT

2. Bidder

Name of Bidder

Street

City

Province

Postal Code

(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 D3.1 unless the context otherwise requires.

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 Purchase Order authorizing the commencement of the Work.

Template Version: G320040301

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 Submission.

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

In witness whereof 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 DUMP BODIES AND SNOW PLOW EQUIPMENT

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX QTY	UNIT PRICE	AMOUNT
1	13' x 8' Dump Body with Snow Plow Equipment	07015	Each	2	\$ _____	\$ _____
2	13' x 8' Dump Body with Snow Plow Equipment w/ Option 1: Tailgate Chute	07015	Each	2	\$ _____	\$ _____
TOTAL BID PRICE (GST and PST extra) (in figures) \$ _____ (in words) _____ _____						

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 07015

13' x 8' DUMP BODY WITH SNOW PLOW EQUIPMENT *(Street Maintenance)*

1.0 SCOPE

- 1.1 These specifications describe the supply and installation of a nominal 13' x 8" U-body style dump box complete with a front snow plow hitch plate, hydraulics and controls suitable to accommodate a City owned front-mounted snow plow. The dump body and snow plow equipment shall be installed on a City owned single axle cab & chassis vehicle. See 19.0 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 in 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 equipment 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 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 QUALIFICATIONS OF MANUFACTURER / CONTRACTOR

- 3.1 The manufacturer of the dump body shall have demonstrated experience manufacturing U-body dump bodies of the type being offered.
- 3.2 The Contractor shall be a manufacturer or authorized distributor/supplier of dump body equipment.
- 3.3 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 and snow plow equipment, and general service capabilities. A description of the service facility shall be provided within 3- Calendar Days upon request of the Contract Administrator.
- 3.4 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 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 2007: \$80.00/hr regular time, \$105.00/hr overtime and callout).

3.5 The manufacturer/installer shall be a certified vehicle completer and must affix their National Safety Mark (NSM) certification sticker on each unit.

3.5.1 State NSM number: _____

4.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

4.1 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.

4.2 Each bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

5.0 PERFORMANCE

5.1 The dump body shall be capable of consistent top performance for hauling and dumping during the summer and winter environments which are normal to the City of Winnipeg. _____

5.2 The front hitch plate shall successfully hook-up with a City owned Tenco TCP-12T-42-E2 12 ft. snow plow with a Quik-Tach quick coupler system. In addition, the hydraulics and in-cab controls shall successfully operate the dump body and be compatible with the successful operation of the snow plow. _____

6.0 MAKE AND MODEL

6.1 **State make and model of dump body being bid.** _____

7.0 DIMENSIONS

7.1 Length, outside – nominal 13 ft.. _____

7.1.1 Length, inside – 12' 6" approx.. _____

7.2 Width, outside – to match chassis track width, nominal 8 ft.. _____

7.2.1 Width, inside – 7' 6" approx.. _____

7.3 Height of sides – 36 in. approx. without plank gussets, state. _____

7.4 Height of tailgate – 42 in. approx.. _____

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

8.0 MATERIAL

8.1 All material used in construction to be minimum $\frac{3}{16}$ in. AR200 steel or equal except where otherwise noted. _____

9.0 FRONT

9.1 Construction – $\frac{3}{16}$ in. AR200 steel continuously welded to sides and floor. _____

9.1.1 The front section shall be constructed to incorporate a nominal 12"L x 12"W x 36"H provision (well front) for a front mounted hoist. _____

9.2 Cab shield – formed from single sheet of steel, 24 in. deep, sloped @ 10° or to match cab contour c/w reinforced ends. _____

9.2.1 Cab shield sides to provide adequate headroom and clearance for entry and egress of vehicle cab. _____

10.0 FLOOR AND SIDES

10.1 Construction – $\frac{3}{16}$ in. AR200 steel min., rolled into a U-body design. _____

10.2 Long sills – $\frac{3}{16}$ in. formed steel, hat shaped, 8-10 in. height. _____

10.3 Rear side posts – $\frac{3}{16}$ in. AR200, one (1) per side. _____

10.4 Top side rail – heavy duty, reinforced, approx. 4" x 3" x $\frac{3}{16}$ " rectangular steel tubing or formed rail. _____

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

10.5.1 Planks – 2" x 6" wooden planks painted black on all sides, installed in gussets. _____

10.6 Sides to incorporate integral fenders, sloped away from body, polished checkerplate aluminum material. _____

10.7 Tie down eyes – two (2) required, one (1) per side located on inside of dump body near top/front of each side. _____

10.8 Inside access steps – one (1) per side, approx. 12" L x 5" W, located approx. 20 in. from floor. _____

10.9 Access ladders – two (2) required, bolt-on design, one (1) located front curb-side corner and one (1) located front driver's side corner. _____

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

10.9.2 First rung to be 18-22 in. from ground level, approx 14 in. rung spacing to top of body. _____

10.10 Grab handles – located for ergonomic access to top of box. _____

11.0 TAILGATE

11.1 Shall be a two-way tailgate able to open from the top and bottom. _____

- 11.1.1 Tailgate shall not protrude above floor in horizontal or full down position. _____
- 11.1.2 There shall be no gap between tailgate and the floor and sides when tailgate is in the closed or horizontal position. _____
- 11.2 Construction – formed construction with one or two equally spaced horizontal ribs, and a self-cleaning bottom rail. _____
- 11.2.1 Tailgate shall be reinforced as required with either heavy duty (min. $\frac{3}{8}$ in.) end plates, or $\frac{1}{4}$ in. steel tubing. _____
- 11.3 Top tailgate anchor pins – $1\frac{1}{4}$ in. diameter min., self-locking/storing to top of side posts. _____
- 11.3.1 If retainer pin is used to lock top tailgate anchor pins, a small steel check chain is required, permanently fastened to the retainer pin. _____
- 11.4 Support and spreader chains – $\frac{3}{8}$ in. transport grade 70, adequately fastened c/w chain storage and two (2) removable links per chain. _____
- 11.4.1 Support and spreader chains shall be equipped with a protective cover. _____
- 11.5 Tailgate locking mechanism – in-cab control, air operated with air brake pot operated trip. _____
- 11.5.1 The locking mechanism shall be adjustable to ensure adequate lock-up with tailgate closed. _____
- 12.0 TARPAULIN**
- 12.1 Type – air flip tarp, operable in-cab from driver’s seat, state make and model being bid. _____
- 12.2 Tarp system shall stow on the cab shield, i.e., shall not protrude into the box area. _____
- 12.3 Tarpaulin shall not block the visibility of the mini light bar when tarpaulin is in the stowed position. _____
- 13.0 HOIST**
- 13.1 Type – multi-stage, front mounted telescopic hoist, nitrided, quenched and polished cylinder stages, protected against corrosion, Mailhot M-110-4.5-3 or M-120-4.5-3 as required for specified dump angle. _____
- 13.2 Capacity – min. 20 tons @ 2200 psi., state capacity. _____
- 13.3 Dumping angle – 45° from horizontal, cylinder must lower under it’s own weight with empty load in low ambient temperatures. _____

13.4 Grease fittings – required on all pivot pins.

14.0 IN-CAB CONTROLS

14.1 Control enclosure – all auxiliary controls and warning lights shall be contained in an enclosure measuring 9"L x 7"W x 9"D approx.. Controls shall be mounted on the top face with all electronic controls wired through the ignition.

14.2 Mounting location – the control enclosure shall be mounted on a heavy duty adjustable bracket, ergonomically angled and positioned at the appropriate height to alleviate driver fatigue during prolonged use.

14.3 All switches shall be back-lit for night time use and clearly identified with engraved style, permanent type labels.

14.4 Plow control and dump box function – single quad joystick control, non-proportional, dual mode for dump box and plow functions.

14.4.1 A switch on the control panel shall actuate plow functions in one mode, dump function in the other mode.

14.4.2 The vertical axis (forward and backward) shall control the plow raise/lower and the dump raise/lower. Joystick forward plow and box lower, joystick rearward plow and box raise.

14.4.3 The horizontal axis (side to side) shall actuate plow angle left/right in "Plow" mode, nothing in "Dump" mode.

15.0 SNOW PLOW HITCH PLATE

15.1 Type – heavy duty, quick disconnect hitch with the female section consisting of two (2) jaws welded to the plate. The hitch plate shall be capable of hooking-up and handling loads imposed by a City owned Tenco TCP-12T-42-E2 12 ft. snow plow with a Quik-Tach quick coupler system. The hitch plate shall be a "Low Mount" hitch design and shall rest below the truck cab so hood can tilt forward at all times without having to remove or adjust any portion of the hitch.

15.2 Construction – heavy duty steel hitch plate, 25"H x 45"W x 1/2"T approx. with vertical reinforcements as required.

15.3 Main plate shall be bolted to end of truck chassis frame rails with additional diagonal bracing from bottom of main plate to chassis frame.

15.4 Telescopic lift arm – adjustable type, 30 in. approx..

16.0 HYDRAULICS

16.1 Hydraulic pump – front mounted, variable displacement, load sensing axial piston pump, Rexroth A10V060 Series or Parker equivalent. State make and model being bid.

- 16.1.1 Hydraulic pump shall be crankshaft driven by splined tubular drive shaft (square style drive shafts are not acceptable) attached to pump with a taper lock collar. _____
- 16.1.2 Hydraulic pump drive shaft shall be equipped with accessible grease fittings on U-joint crosses. _____
- 16.2 Hydraulic valve bank – electric solenoid controlled, Rexroth MP-18 Series or Parker equivalent. State make and model being bid. _____
- 16.2.1 Each section to have a manual override on the valve in case of electric control failure. _____
- 16.2.2 Valve enclosure – hydraulic valve bank shall be fully enclosed in a waterproof steel box, mounted on the truck frame. The top portion shall be bolted for access to valves. _____
- 16.3 Plow hydraulic connectors – quick disconnect, installed in banks in convenient location, equipped with covers and plugs. _____
- 16.4 Suction line and case drain ball valves – required, easily accessible, lockable with bolts. _____
- 16.5 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. _____
- 16.5.1 Capacity – 20 US gallon min.. _____
- 16.5.2 Drain plug – 3/4 in. diameter. _____
- 16.5.3 Reservoir shall be clearly labelled "Hydraulic Oil" with a permanent type, engraved style label. _____
- 16.6 Hydraulic filters:
 - 16.6.1 Return filter – serviceable without oil loss, tank mounted preferred, c/w clogging indicator. _____
 - 16.6.2 Pressure side filter – non-bypass type, absolute rated filter element, located before oil reaches the valve bank, c/w clogging indicator. _____
 - 16.6.3 Both filters shall contain a corrosion resistant coating, beta rating of 200, 10 micron particle size, and shall be ergonomically located for servicing. _____
- 16.7 Shut-off valve – ball type, located between reservoir and pump, secured in open position with a bracket and bolt. _____
- 16.8 Hydraulic hoses – wire braid reinforced, rated for system operating pressure with 4 to 1 safety factor for burst pressure. _____
- 16.8.1 Hydraulic hoses to be protected at wear and scuff location. _____

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

17.0 ELECTRICAL & LIGHTING

17.1 All lighting to conform to C.M.V.S.S. and Manitoba Highway Traffic Act. _____

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

17.2.1 Combination turn/stop and taillights – P/N 44302R, one (1) per side with 40700 mounting grommets, flash rate 70-90 fpm. _____

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

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

17.2.4 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. _____

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

17.2.6 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 corner. _____

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

17.4 Taillights and back-up lights shall be fully visible when tailgate is lowered to horizontal position. _____

17.5 Licence plate lamp – P/N 15040, complete with licence plate bracket. _____

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

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

17.7 Junction box – P/N 50400, complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside rear of truck frame. _____

- 17.8 All plug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly. _____
- 17.9 Back-up alarm – STAR 62-097, 97 dB(A), installed near rear of dump body, located to be protected from damage. _____
- 17.10 Mini light bar – Grote 77163, mounted to top of cab guard, 360° visibility when tarpaulin is in stowed position. _____
- 17.10.1 Branch guard – heavy duty branch guard constructed by 3/8 in. roundbar or equivalent. _____
- 17.10.2 Blue strobe lights – two (2) oval LED strobe lights, Grote 77365, rear facing in rear corner pillars, one per side. _____
- 17.10.3 Amber strobe lights – two (2) oval LED strobe lights, Grote 77363, rear facing in rear corner pillars, one per side. _____
- 17.10.4 Mini light bar shall be wired through the ignition, wired through a single OEM dash mounted switch or on the control panel enclosure, labelled “Light Bar” with a permanent type, engraved style label. _____
- 17.10.5 All four LED strobe lights shall be wired through the ignition, wired through a single OEM dash mounted switch or on the control panel enclosure, labelled “Strobes” with a permanent type, engraved style label. _____
- 17.11 Trailer connector – 6-pole, Grote 82-1068 or equal, wired through chassis manufacturer’s OEM auxiliary circuit, and installed in rear trailer hitch plate. _____
- 17.12 All wiring for back-up alarm, warning lights, strobes and trailer connector shall be colour coded, loomed and properly secured. _____
- 17.12.1 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. _____
- 17.12.2 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). _____
- 17.12.3 Any holes required to run wires through shall be drilled (not punched), grommeted and sealed as required. _____
- 18.0 WELDING**
- 18.1 All welds shall be continuous welds. _____
- 18.2 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.

19.0 INSTALLATION

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

19.1.1 Drilling on chassis frame flanges is not permitted.

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

19.2 Tire clearance - min. 3 in. with rear suspension air bags lowered.

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

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

2007 Freightliner M2

- 39,000 lbs. GVWR
- 108 in. CA
- 1.8-million in-lb RBM single rail frame, 100,000 psi yield
- Front frame extension, integral type, 18 in.
- Front engine PTO
- Mercedes Benz MB900 in-line 6 cyl. diesel engine
- Allison 3500 RDS Series automatic transmission
- Horizontal discharge exhaust
- Air brake system

19.4.1 The chassis will be available for pick-up on or before May 15, 2007. The Contractor is responsible for pick-up and delivery of the unit as stated in Section 22.0 below.

20.0 MISCELLANEOUS

20.1 Rear hitch plate – ½ in. thick solid steel, (laminated plates unacceptable) installed to chassis frame.

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

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

20.3 Lunette eyes for trailer safety chains – one (1) each side of hitch, Buyers Products B48 or equal.

20.4 Mudflaps – black rubber, no-name, required front and rear of back tires c/w anti-sail bracket on each mud-flap.

20.4.1 Rear mudflaps shall not contact the ground when the sander-dump body is at maximum dump angle.

- 20.5 Dump body prop – double prop design, steel tubing construction, to support dump body in raised position and permit servicing of hoist, operable by a single person, designed so as not to interfere with hoist cylinder or surroundings .

- 20.5.1 Dump body prop to be complete with receiving bracket.

- 20.6 Front bumper extensions – full width heavy duty steel bumper extensions.

- 20.7 Grease fittings – required on tailgate release mechanisms, pivot points and tailgate as required.

- 20.8 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.

- 20.9 Isolators – all interfaces between aluminum and steel shall be separated by a minimum of $\frac{1}{16}$ in. thick rubber or neoprene sheet and are to be bolted through with stainless steel bolts and non-conductive bushings.

- 21.0 FINISH**
- 21.1 Complete dump body, hitch plates, reservoirs, steel brackets, etc. (with the exception of aluminum checkerplate and inside of the floor) shall be sandblasted, properly cleaned, primed and finished with the Endura paint process as follows:
- 21.1.1 Primer – Endura EP32 Intermix Epoxy Primer.

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

- 22.0 PICK-UP AND DELIVERY**
- 22.1 Pick-up – the Contractor shall be responsible for picking-up the cab & chassis vehicles from the City upon commencement of the Contract. The vehicles 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.

- 22.2 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.

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

23.0 TRAINING

23.1 Operator training – the Contractor shall be required to provide **one (1) Business Day** of training, in Winnipeg by qualified staff, for City of Winnipeg operating personnel. All costs associated with the training shall be at the Contractor's expense. The training sessions shall be sufficient in duration and shall provide adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator. All particulars surrounding the specified time required to perform the training shall be provided to the Contract Administrator by the Contractor one (1) week prior to the delivery of the completed equipment. The training shall be coordinated through the Contract Administrator.

23.2 Mechanical training – the Contractor shall be required to provide **one (1) Business Day** of training, in Winnipeg by qualified staff, for City of Winnipeg mechanical personnel. All costs associated with the training shall be at the Contractor's expense. The training sessions shall be sufficient in duration and shall provide adequate familiarization and orientation of the equipment to the satisfaction of the Contract Administrator. All particulars surrounding the specified time required to perform the training shall be provided to the Contract Administrator by the Contractor one (1) week prior to the delivery of the completed equipment. The training shall be coordinated through the Contract Administrator.

24.0 PERFORMANCE RELIABILITY

24.1 The responsibility for the design of the complete snow plow and dump body vehicle, its performance and reliability shall rest upon the Contractor.

24.2 The term "*repeated 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.

24.3 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.

25.0 WARRANTY

25.1 The warranty on the complete vehicle (excluding the chassis) shall include 100% replacement parts and labour at no cost to the City and shall cover the complete equipment and all parts thereof against defects

of workmanship, construction and materials for **two (2) years** from the date the equipment is put into service by the City of Winnipeg.

Note: See Supplemental Conditions for additional Warranties.

25.2 A new two (2) year warranty period shall be provided for any article that is repaired or replaced under the terms of the “repeated failures” Clause (24.0 Performance Reliability). The new warranty period shall be effective from the date of acceptance of the repaired or replaced article.

26.0 OPTIONS

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

26.1 Option 1: Tailgate chute – installed in lower-middle section of tailgate, 18"x18" approx., steel construction with a manual latch.
