

PART A

BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title SUPPLY & INSTALLATION OF CHIPPER BODIES

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.

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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 CHIPPER BODIES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX QTY	UNIT PRICE	AMOUNT
1	14' x 8' Chipper Body	07023	Each	2	\$ _____	\$ _____
TOTAL BID PRICE (GST and PST extra) (in figures) \$ _____ (in words) _____ _____ _____						

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 07023

14' x 8' CHIPPER BODY *(Forestry)*

1.0 SCOPE

- 1.1 These specifications describe the supply and installation of a nominal 14' x 8' chipper dump body to be installed by the supplier 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 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 QUALIFICATIONS OF MANUFACTURER / CONTRACTOR

- 3.1 The manufacturer of the chipper body shall have demonstrated experience manufacturing chipper bodies of the type being offered.
- 3.2 The Contractor shall be a manufacturer or authorized distributor/supplier of chipper 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 chipper bodies, and general service capabilities. A description of the service facility shall be provided within 3-Calendar Days upon request of the Contract Administrator.

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

6.0 MAKE AND MODEL

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

7.0 DIMENSIONS

7.1 Length, outside – nominal 14 ft. _____

7.1.1 Length, inside – 13' 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 – 72 in. approx., state. _____

7.4 Height of tailgate – 32 in. approx. _____

8.0 MATERIAL

8.1 All material used in construction to be minimum 14 ga. G-60 Galvaneal material except where otherwise noted. _____

9.0 FRONT

9.1 Construction – 12 ga. Galvaneal min. with formed vertical or horizontal reinforcements as required. _____

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10.0 **SIDES**

10.1 Construction – 12 ga. Galvaneal min. c/w formed or structural reinforcement ribs. _____

10.2 Air exhaust vents – four (4) per side, equally spaced, top mounted, approx. 10"L x 4"H each. _____

11.0 **FLOOR**

11.1 Construction – 10 ga. Galvaneal, continuously welded. _____

11.2 The floor shall be supported by formed, hat shaped long sills or a system of structural channel long sills and cross sills. State details of floor design. _____

12.0 **TAILGATE**

12.1 Construction – single door design, 12 ga. Galvaneal with structurally reinforced steel tubing frame. _____

12.2 Swing – 270° min. c/w latch system to hold door fully open while dumping. _____

12.3 Hinges – min. two (2) right hand side mounted hinges, reinforced as required for heavy duty, long term use c/w grease fittings. _____

12.4 Latch – heavy duty, single lever latch. _____

13.0 **TOP**

13.1 Construction – full length x full width, 14 ga. Galvaneal min., c/w min. six (6) reinforcement ribs. _____

14.0 **TOOL BOXES AND COMPARTMENTS**

14.1 "L" cross box – 14 ga. Galvaneal, 24"W x 37"H x 92"D approx. across chassis rails c/w one (1) lockable door per side, six (6) rope hooks, stationary shelf. _____

14.2 Underbody tool boxes – two (2), 48"W x 20"H x 20"D approx., one (1) per side c/w lockable doors, 14 ga. Galvaneal construction. Boxes shall be equipped with drain holes, vents and lined with dry deck material or equivalent. _____

14.3 Inside ladder/pruner compartment – 168"L x 17"W x 12"H c/w lockable door, 14 ga. Galvaneal construction. _____

14.4 All tool boxes and compartments shall be keyed alike c/w three (3) sets of keys. _____

14.5 All tool boxes and compartment door openings shall be sealed using automotive, bulb type rubber gaskets. _____

14.6 "L" cross box and underbody tool box doors shall be c/w heavy duty door stays or hold-open devices. _____

15.0 HOIST

15.1 Type – double acting, hydraulic scissor lift hoist, capable of dumping a full load of wood chips. State make and model being bid. _____

15.2 Dumping angle – 45° min. from horizontal. _____

15.3 Grease fittings – required on all pivot pins. _____

16.0 IN-CAB CONTROLS

16.1 Type – dash mounted single switch dump control, return to centre, electrically actuated International OEM switch preferred. State details of in-cab controls. _____

16.2 Dump control shall be permanently labelled "up" and "down". _____

17.0 HYDRAULICS

17.1 PTO – Muncie electric/hydraulic power shift. _____

17.1.1 Electric/hydraulic power shift operable from a normal driving position. _____

17.1.2 Warning light to show PTO engaged. _____

17.2 Hydraulic pump – State make and model being bid including gpm and pressure rating. _____

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

17.3.1 Capacity – 20 L min. _____

17.3.2 Drain plug – 13 mm diameter min. _____

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

17.4 Return filter – spin-on type, serviceable without oil loss. _____

- 17.5 Shut-off valve – ball type, located between reservoir and pump, secured in open position with a bracket and bolt. _____
- 17.6 Hydraulic hoses – wire braid reinforced, rated for system operating pressure with 4 to 1 safety factor for burst pressure. _____
- 17.6.1 Hydraulic hoses to be protected at wear and scuff location. _____
- 17.6.2 Hose fittings – hydraulic full flow, crimp-on (non-reusable) type. _____
- 18.0 ELECTRICAL & LIGHTING**
- 18.1 All lighting to conform to C.M.V.S.S. and Manitoba Highway Traffic Act. _____
- 18.2 Supplier installed lighting and lighting equipment shall be Truck-Lite (except where otherwise noted) and shall include the following components:
- 18.2.1 Combination turn/stop and taillights, low mounted – P/N 44302R, one (1) per side with 40700 mounting grommets, flash rate 70-90 fpm, mounted below tailgate in rear sill, fully enclosed at rear. _____
- 18.2.2 Combination turn/stop and taillights, high mounted – P/N 44302R, one (1) per side with 40700 mounting grommets, flash rate 70-90 fpm, mounted top-rear outer most side of body, fully enclosed at rear. _____
- 18.2.3 Back-up lights – P/N 44206C, one (1) per side with 40700 mounting grommets, located in rear sill, fully enclosed at rear. _____
- 18.2.4 Light cluster – three (3) only P/N 10250R with P/N 10700 mounting grommets, fully enclosed at rear, located to be protected from damage. _____
- 18.2.5 Rear light mounting location – lights shall be situated so that no debris contacts the lights while dumping. _____
- 18.2.6 Clearance lamps – P/N 10250R and 10250Y with P/N 10700 mounting grommets, fully enclosed at rear. _____
- 18.2.7 Clearance lamp mounting locations:
- i) Front – two (2), located one on each top corner of body. _____
 - ii) Sides – three (3) per side, one (1) located top-front corner mounted, one (1) located bottom-front corner mounted, and one (1) located bottom-rear corner mounted. _____
 - iii) Rear – two (2), located one on each bottom corner. _____
- 18.3 No clearance light shall protrude beyond the dump body. _____
- 18.4 Licence plate lamp – P/N 15040, complete with licence plate bracket. _____

- 18.5 Harnesses – Truck-Lite 50 Series Harness system, properly routed and secured. _____
- 18.5.1 All harnesses shall be internally grounded, no exceptions. _____
- 18.6 Junction box – P/N 50400, complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside rear of truck frame. _____
- 18.7 All plug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly. _____
- 18.8 Back-up alarm – STAR 62-097, 97 dB(A), installed near rear of dump body, located to be protected from damage. _____
- 18.9 Warning beacons, front mounted – two (2) Preco 4261A beacons, mounted on a Stealth (by Carr) roof rack, wired through ignition, fused, c/w dash mounted toggle switch, labelled with a permanent type, engraved style label. _____
- 18.9.1 Warning beacons, rear mounted – two (2) rear-top corner mounted, wired through same circuit as front mounted beacons, c/w heavy duty beacon guards. _____
- 18.10 Trailer connector – 6-pole, Grote 82-1068 or equal, wired through chassis manufacturer’s OEM auxiliary circuit, and installed in rear trailer hitch plate. _____
- 18.11 Electric trailer brake controller – required. _____
- 18.12 All wiring for back-up alarm, warning lights, strobes, trailer connector, and trailer brake controller shall be colour coded, loomed and properly secured. _____
- 18.12.1 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. _____
- 18.12.2 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). _____
- 18.12.3 Any holes required to run wires through shall be drilled (not punched), grommeted and sealed as required. _____
- 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:

2008 International 4300

- 29,000 lbs. GVWR
- 108 in. CA
- 750,000 in-lb RBM double rail frame, outside frame clear
- DT466 in-line 6 cyl. diesel engine, 7.6 L
- Allison 2500 RDS Series automatic transmission
- Horizontal discharge exhaust
- Hydraulic brake system with air provision
- Air ride suspension

19.4.1 The chassis will be available for pick-up on or before July 3, 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 with 3" x 3" x 3/8" angle iron "A" frame hitch reinforcement, welded to back of hitch plate and bolted to chassis frame web;

OR

Equivalent hitch plate system capable of towing a minimum of 12,000 lbs. State details of hitch assembly. _____

20.2 Combination hitch – Premier 150 w/2 in. ball or approved equivalent hitch, 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 chipper 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 All rotational pivots to contain grease zerks. _____

20.5.2 Dump body prop to be complete with receiving bracket. _____

20.6 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. _____

21.0 FINISH

21.1 Complete chipper body, hitch plates, compartments, reservoir, steel brackets, etc. shall be sandblasted, properly cleaned, primed and finished with the Endura paint or equivalent process as follows:

21.1.1 Primer – Endura EP32 Intermix Epoxy Primer or equal. State. _____

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

21.2 Under body shall be undercoated with cold tar epoxy. _____

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 PERFORMANCE RELIABILITY

23.1 The responsibility for the design of the complete snow plow and dump body vehicle, it's performance and reliability shall rest upon the Contractor. _____

23.2 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

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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.

23.3 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.

24.0 WARRANTY

24.1 The warranty on the complete chipper body and accessories 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.

24.2 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 (Section 23.0 Performance Reliability). The new warranty period shall be effective from the date of acceptance of the repaired or replaced article.
