

PART A

BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title SUPPLY & DELIVERY OF A 13' X 8' DUMP BODY WITH CHASSIS

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 & DELIVERY OF A 13' X 8' DUMP BODY WITH CHASSIS

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	30,000# GVWR Cab & Chassis Vehicle	06028	Each	1	\$ _____	\$ _____
2	13' x 8' Dump Body	06029	Each	1	\$ _____	\$ _____
TOTAL BID PRICE (GST and PST extra) (in figures) \$ _____ (in words) _____ _____						

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 06028

30,000 LBS. GVWR CAB & CHASSIS VEHICLE

1.0 TYPE

1.1 Shall be a minimum 30,000 lbs. GVWR Conventional Cab & Chassis complete with a 13' x 8' dump body as described in Detailed Specifications 06029. The vehicle shall be furnished complete and ready for use with all features and equipment as described herein.

1.2 **STATE MAKE AND MODEL BEING BID:** _____

2.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

2.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders shall state "yes" for compliance or state deviation**, or give reply where requested to do so. Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

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

3.0 OTHER SPECIFICATIONS AND STANDARDS

3.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.

3.2 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 on the driver's side window.

4.0 SERVICE FACILITY

4.1 For the purpose of warranty repairs, the Bidder 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 type 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, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

4.2 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 Transit Department. Any Work performed by the City of Winnipeg Transit Department 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 2006: \$73.50/hour regular time, \$103.50/hr overtime and callout).

ITEM	SPECIFICATION	BIDDER TO STATE "YES" OR STATE DEVIATION
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5.0 GVWR

5.1	Total	30,000 lbs.	_____
5.2	Front	10,000 lbs. minimum	_____

DETAILED SPECIFICATIONS 06028 (continued)

5.3	Rear	20,000 lbs. minimum	_____
6.0	Chassis Dimensions		
6.1	Cab-to-axle	128 in.	_____
6.2	Wheelbase	195 in. approx., state	_____
7.0	Engine		
7.1	Type	Diesel, inline 6-cylinder, Cat C7	_____
7.2	Horsepower	225 HP gross minimum	_____
7.3	Torque	540 lb-ft minimum	_____
7.4	Engine shut down	Low oil pressure / high water temperature	_____
7.5	Anti-idling programming	Required to shut engine off after 15-minutes	_____
7.6	Air intake warmer	Required	_____
7.7	Fuel shut-off	Electric solenoid type	_____
7.8	Air cleaner	Dry type	_____
7.9	Air intake restriction ind.	Dash mounted restriction indicator	_____
7.10	Oil drain plug	Magnetic type	_____
7.11	Oil filter	Full flow, spin-on type	_____
7.12	Fuel filter	Spin-on type	_____
7.13	Fuel/water separator	Heated, drainable, mounted under hood, located to be protected from road spray	_____
7.14	Fuel line primer pump	Required	_____
7.15	Block heater	Not required	_____
7.16	Coolant	CAT extended life coolant, antifreeze to -35°F (-37°C)	_____
7.17	Coolant filter	Required	_____
7.18	Coolant hoses	Silicone type or Gates Blue Stripe	_____
7.19	Fan Drive	Thermostatically controlled, automatic type	_____
7.20	Air compressor	Water cooled, pressure lubricated, minimum 13 cfm	_____
8.0	Electrical system		
8.1	Alternator	Delco Remy 33-SI, 130 Amp minimum	_____
8.2	Starter	Delco Remy 41-MT/OCP 450 Series with thermal protection	_____
8.3	Batteries	Three (3), 12-volt, group 31, 1800 CCA combined capacity minimum	_____
8.4	Battery Box	Under cab or frame mounted c/w enclosure, readily accessible, state location	_____
8.5	Battery disconnect	In-cab mounted outboard of driver's seat	_____
8.6	Remote boost terminal	Remote battery boost terminal(s), protected from road spray, covered, state location	_____

DETAILED SPECIFICATIONS 06028 (continued)

8.7	Cab marker lights	LED	_____
8.8	Trailer plug wiring	Routed to end of frame plus extra 3 ft. of wiring, c/w 6-Pole socket, Grote 82-1068 or equal. Circuit shall be fused separately from main truck lighting	_____
8.9	Back-up alarm	STAR 62-097, 97dBA, located on inside-rear of frame rails	_____
8.10	2-way radio circuit	Independent 20 Amp circuit, ignition powered, wired under dash loose, labelled	_____
8.11	Accessory switches	Two (2) required, dash mounted for "Beacon" and additional switch labelled "Aux". All switches complete and wired for body installation, labelled and backlit	_____
9.0	Exhaust system		
9.1	Configuration	Single horizontal muffler with horizontal tailpipe exhaust, RH mounted	_____
10.0	Transmission		
10.1	Model	Allison 2500 RDS Series	_____
10.2	Shift selector	Dash mounted digital push button preferred. Column shift or floor mounted shifter acceptable, state type	_____
10.3	Cooling	Water to oil transmission cooler	_____
10.4	PTO provision	Required with maximum clearance from exhaust	_____
10.5	Oil level dipstick	Bayonet type with high and low level markings	_____
10.6	Trans. drain plug	Magnetic type	_____
11.0	Front axle		
11.1	Capacity	10,000 lbs. capacity minimum	_____
12.0	Rear axle		
12.1	Capacity	20,000 lbs. capacity minimum	_____
12.2	Ratio	For 110 km/hr top speed, state ratio	_____
12.3	Differential lock	Required for rear drive axle w/dash mtd. switch	_____
13.0	Front suspension		
13.1	Type	Taper leaf spring suspension, 10,000 lbs. capacity minimum	_____
14.0	Rear suspension		
14.1	Type	Taper leaf suspension, 20,000 lbs. capacity minimum	_____
15.0	Rims, wheels, hubs		
15.1	Front	22.5 x 8.25 steel disk, 10-bolt, hub piloted	_____
15.2	Rear	22.5 x 8.25 steel disk, 10-bolt, hub piloted	_____
15.3	Hubs	Steel or iron hubs, front and rear	_____
15.4	Hub seals	Oil lubricated front and rear	_____

DETAILED SPECIFICATIONS 06028 (continued)

16.0 Tires, front

16.1	Make & Model	Goodyear G149 RSA, 14-ply	_____
16.1	Size	11R 22.5	_____

17.0 Tires, rear

17.1	Make & Model	Goodyear G328, 14-ply	_____
17.2	Size	11R 22.5	_____

18.0 Frame

18.1	Type	To match GVWR, 500,000 in.-lbs. RBM minimum, outside frame clear	_____
18.2	Application	Suitable for use with a 13' x 8' dump body	_____
18.3	Chassis fasteners	Grade-8 threaded hex headed frame fasteners	_____
18.4	Afterframe	As required for dump body installation, 60 in. minimum, state	_____

19.0 Steering

19.1	Type	Power	_____
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20.0 Brakes

20.1	Type	Air, ABS, S-cam drum brakes, front & rear	_____
20.2	Slack adjusters	Meritor (clearance sensing), automatic type	_____
20.3	Parking brake	Spring set, four (4) chamber system	_____
20.4	Dust shields	Required, front and rear	_____
20.5	Drain valves	Manual, chain or cable operated, required on each air tank	_____
20.6	Air drier	Haldex Dry – E.S.T. Blow Thru, Part #470-10014	_____

21.0 Fuel tank

21.1	Type	Aluminium, 225 L minimum capacity, fully fuelled upon delivery	_____
21.2	Tank straps	Steel mounting straps with minimum 1/16 in. rubber or neoprene isolators	_____
21.3	Fuel separator	Heated, drainable	_____

22.0 Cab

22.1	Type	Conventional w/corrosion inhibitor	_____
22.2	Dimensions:		
22.2.1	BBC	106 in. minimum, state	_____
22.2.2	Cab width	80 in. minimum, state	_____
22.2.3	Shoulder room	75 in minimum, state	_____
22.2.4	Hip room	66 in. minimum, state	_____
22.2.5	Firewall to back of cab	Inside cab dimension 55 in. minimum, state	_____

DETAILED SPECIFICATIONS 06028 (continued)

22.3	Hood	Fibreglass tilt	_____
22.4	Cab mounts	Air suspension	_____
22.5	Cab interior/trim	Extreme climate insulation including cloth or vinyl headliner on roof, door panels and rear interior of cab	_____
22.6	Cab silencer package	Required for minimal decibel level	_____
22.7	Hood/Firewall/Engine	Insulated hood liner, engine cover and firewall	_____
22.8	Floor covering	Rubber mat with under-padding	_____
22.9	Floor mats	Two (2), rubber	_____
22.10	Driver's seat	High back, air suspension w/foldable armrests, seat belt, heavy-duty cloth upholstery, Cordura or equal, state material	_____
22.11	Passenger seat	2-person bench with seat belts, heavy-duty cloth upholstery or vinyl knit, state material	_____
22.12	Sun visors	Dual flip-up type	_____
22.13	Steering wheel	Tilt type	_____
22.14	12-Volt power outlet	Required	_____
22.15	Radio	Factory installed AM/FM	_____
22.16	Starter switch	Key operated c/w three (3) sets of keys	_____
22.17	Interior light	Dome light with driver and passenger door switches	_____
22.18	Heater / Defroster	High output, capable of keeping all windows clear at an outside temperature of -35°F (-37°C)	_____
22.19	Air conditioning	Not required	_____
22.20	Brake & accel. pedals	Hanging type brake and accelerator pedals	_____
22.21	Horn	Dual electric	_____
22.22	Exterior mirrors	Dual West Coast, stainless steel or polycarbonate, 7" x 16", suitable for 102 in. equipment width	_____
22.23	Convex mirrors	6 in. aux., stainless steel, mtd. below West Coast mirrors, or integral type with polycarbonate mirrors, one (1) per side	_____
22.24	Windows & windshield	Tinted	_____
22.25	Windshield wipers	Electric, intermittent	_____
22.26	Windshield washers	Electric	_____
22.27	Grab handles	Dual exterior	_____
22.28	Entrance steps	Dual each side, open grate / grip type	_____

DETAILED SPECIFICATIONS 06028 (continued)

23.0 Instrumentation

23.1	Oil pressure	Gauge	_____
23.2	Coolant temperature	Gauge	_____
23.3	Transmission oil temp.	Gauge	_____
23.4	LOP/HWT	Warning light and buzzer	_____
23.5	Voltmeter	Gauge	_____
23.6	Air reservoir pressure	Gauge with LAP warning light and buzzer	_____
23.7	Engine hourmeter	Required, non-resetable type	_____

24.0 Tow hooks

24.1	Location	Front mounted	_____
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25.0 Front bumper

25.1	Type	Steel, full width	_____
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26.0 Colour and Finish

26.1	Exterior	White	_____
26.2	Interior	Blue or grey	_____
26.3	Frame & suspension	Primed and finished with black Imron 5000 paint	_____
26.4	Front bumper	Argent	_____
26.5	Wheels	Powder coated white	_____

27.0 Accessories

27.1	Flare kit	Three (3) triangular reflectors, CVSA approved	_____
27.2	Fire extinguisher	10 lb. ABC type, required in cab with mounting bracket	_____

28.0 Manuals

28.1	Operator's manual	One (1) required	_____
28.2	Parts/Repair/Service	One (1) required, including preventative maintenance schedules for life of unit	_____

29.0 Warranty

29.1	Basic vehicle	Two (2) years, unlimited km	_____
29.2	Batteries	One (1) year or 100 000 km	_____
29.3	Drivetrain	Two (2) years, unlimited km	_____
29.4	Cab structure/corrosion	Five (5) years, unlimited km	_____
29.5	Frame & crossmembers	Five (5) years, unlimited km	_____
29.6	Cab paint	One (1) year or 100 000 km	_____
29.7	Engine	Three (3) years or 240 000 km	_____
29.8	Transmission	Two (2) years, unlimited km	_____
29.9	Axles, front & rear	Three (3) years or 240 000 km	_____

DETAILED SPECIFICATIONS 06029

13' X 8' DUMP BODY

(Transit)

1.0 SCOPE

1.1 These specifications describe the supply and installation of a 13 ft. x 8 ft. clean side style dump body, to be installed by the supplier on a single axle cab and chassis vehicle as bid in Detailed Specifications 06028.

1.1.1 State Make & Model of Dump Body being bid: _____

2.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

2.1 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.

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

3.0 QUALIFICATIONS OF MANUFACTURER / CONTRACTOR

3.1 The manufacturer of the dump body shall have demonstrated experience manufacturing clean side 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 type equipment being offered. Upon request of the Contract Administrator, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities. A description of the service facility shall be provided within 3 calendar days upon request by the Contract Administrator.

3.4 If a suitable warranty repair 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 Transit Repair Facility. Any work performed by the City of Winnipeg Transit Repair Facility 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 2006: \$73.50/hour regular time, \$103.50/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.

State NSM number: _____

3.6 All complete vehicles delivered shall have a current Manitoba Safety sticker affixed to the driver's side window.

4.0 PERFORMANCE

4.1 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.

5.0 DIMENSIONS

5.1 Length, outside – nominal 13 ft..

5.1.1 Length, inside – 12 ft. 6 in. approx..

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

5.2.1 Width, inside – 7 ft. 6 in. approx..

5.3 Height of sides – 22 in. without plank gussets.

5.4 Height of tailgate – 30 in. approx..

5.5 Height of front – to match chassis cab height.

5.6 There shall be a gap approx. 16 in. between the back of the cab and the front of the dump body. The space shall be used for a City supplied and installed tool box.

6.0 MATERIAL

6.1 All material used in construction to be minimum 10 ga., 80,000 psi yield, IPSCO 80 steel or equal except where otherwise noted.

6.2 Sides and longsills shall have no vertical seams and shall be formed from single piece(s) of steel lengthwise.

7.0 FRONT

7.1 Formed steel construction with horizontal reinforcement rib(s) formed into front of body.

7.2 Cab shield – formed from single sheet of steel, 24 in deep, sloped @ 10° or to match cab contour.

7.3.1 Sides of cab shield to be 3/16 in. plate.

7.3.2 Cab shield sides tapered @ 30° to provide adequate clearance for entry and exit of vehicle cab.

8.0 SIDES

8.1 Clean side style formed sides without vertical reinforcements, welded into a one piece design, including self-cleaning bottom rail and formed, self-cleaning centre horizontal rib.

- 8.2 Rear side post – formed, one per side. _____
- 8.3 Plank gussets – for 2" x 10" planks, with ½ in. diameter bolt holes. _____
- 8.3.1 Planks – 2" x 10" painted black on all sides, installed and bolted in gussets. _____
- 8.4 Tie down eyes – two (2) required, one (1) per side located on inside near top/front of each side. _____
- 8.5 Access ladder – one (1) required, located at front curb-side corner of dump body. _____
- 8.5.1 Ladder rungs – traction type rungs, 13-gauge steel, 2¼ in. width, 2 or 4-hole design, Traction Tread Products or equal. _____
- 8.5.2 First rung to be maximum 20 in. from ground level, 14 in. rung spacing to top of body. _____
- 8.5.3 Grab handles – located for easy access to top of body. _____
- 9.0 TAILGATE**
- 9.1 Shall be a two-way tailgate able to open from the top and bottom. _____
- 9.1.1 Tailgate shall not protrude above floor in horizontal or full down position. _____
- 9.1.2 There shall be no gap between tailgate and the floor and sides when tailgate is in the closed or horizontal position. _____
- 9.2 Construction – formed construction with 1 or 2 equally spaced horizontal ribs, and a self-cleaning bottom rail. _____
- 9.2.1 Tailgate shall be reinforced as required with either heavy duty (min. ¾ in.) end plates, or ¼ in. steel tubing. _____
- 9.3 Top tailgate anchor pins – 1¼ in. diameter min., self-locking/storing to top of side post. _____
- 9.4 Support and spreader chains – ¾ in. transport grade 70, adequately fastened c/w chain storage and two (2) removable links per chain. _____
- 9.4.1 Support and spreader chains shall be equipped with a protective cover. _____
- 9.5 Tailgate locking mechanism – operated from left-front corner of dump body. Shall have grease fittings at all bushings/shaft supports and safety ring to hold handle in locked position. _____
- 9.5.1 The locking mechanism shall be adjustable to ensure adequate lock-up with tailgate closed. _____

10.0 FLOOR

10.1 Material – 3/16 in., AR200 or equal, state material. _____

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

10.3 Long sills – 8-10 in. formed long sills, tapered hat section design, continuously welded to the floor. _____

11.0 HOIST

11.1 Type – double acting, hydraulic scissor lift hoist, Nordic TL1522. _____

11.2 Dumping angle – 50 degrees. _____

12.0 IN-CAB CONTROLS

12.1 Hoist controls – solenoid operated controls with in-cab electrically actuated Williams up/down switch, backlit, dash mounted, operable from a normal driving position. _____

13.0 HYDRAULICS

13.1 PTO – Muncie electric/hydraulic power shift. _____

13.1.1 Electric/Hydraulic power shift, operable from a normal driving position. _____

13.1.2 Warning light to show PTO engaged. _____

13.2 Pump, valve and tank combination – Williams W15-6CR-27QT or Nord-Sen X3185 complete with P20 Commercial closed coupled gear pump, double-acting solenoid operated valve mounted directly to reservoir, and 27quart tank. Reservoir to be right hand side chassis frame mounted c/w sight gauge. _____

13.2.1 Reservoir shall be clearly labelled "Hydraulic Oil". _____

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

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

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

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

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

14.0 ELECTRICAL & LIGHTING

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

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

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

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

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

14.2.4 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.

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

14.2.6 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.

14.3 No clearance light shall protrude beyond the dump body.

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

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

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

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

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

14.9 Back-up alarm – STAR 62-097, 97 dB(A), installed near rear of dump body, located to be protected from damage.

14.10 Trailer connector – 6-pole, Grote 82-1068 or equal, wired through chassis manufacturer's OEM auxiliary circuit, and installed in hitch plate.

14.11 All wiring for back-up alarm and trailer connector shall be colour coded, loomed and properly secured.

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

14.11.2 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).

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

15.0 WELDING

15.1 All welds shall be continuous welds.

15.2 All welding performed shall conform to CSA Standard W47.1-92 and W59-1989.

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

16.0 INSTALLATION

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

16.1.1 Drilling on chassis frame flanges is not permitted.

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

16.2 Tire clearance – min. 3 in. plus full spring deflection.

16.3 Clearance between dump body and back of truck cab shall be 16 in..

17.0 MISCELLANEOUS

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

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

17.2 Trailer hitch – Buyers Products BH82516 Combination hitch or approved equal, installed on hitch plate at a 24 in. height.

17.3 Lashing rings for trailer safety chains - one (1) each side of hitch, Buyers Products B48 or equal.

17.4 Mud-flaps – no-name, black rubber, installed front and rear of tires with anti-sail bracket on each mud flap.

17.4.1 Rear mud flaps shall not contact the ground when the dump body is at maximum dump angle.

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

17.5.1 Prop shall support dump body in fully raised position and permit servicing of hoist.

17.5.2 Dump body prop to be complete with receiving bracket.

18.0 **FINISH**

18.1 Complete unit (with the exception of the inside of the floor) shall be sandblasted, properly cleaned, primed and finished as follows:

18.1.1 Hitch plate with accessories and hydraulic oil reservoir shall be painted with two (2) coats of black enamel.

18.1.2 Dump body primer – Endura EP32 Intermix Epoxy Primer.

18.1.3 Dump body paint – 3-5 mils of Endura EX-2C Topcoat, white to match cab colour.

19.0 **WARRANTY**

19.1 The Contractor shall warrant the **entire dump body**, components, equipment and all parts thereof, against any defects in 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 **one (1) year** from the date the equipment is put into service by the City of Winnipeg.

FORM O: QUESTIONNAIRE

1.0 **STATE** the delivery time of the complete order from the date of official notification of award: (See D5.1)

2.0 **LIST** any significant features that will be supplied standard on the unit being offered, but were not specifically mentioned in the Detailed Specifications:

3.0 **STATE** the location of the service facility:

4.0 Does the equipment being offered meet or exceed the minimum requirements of the Detailed Specifications?

5.0 **LIST** any deviations that might be considered less than equal to the Detailed Specifications:
