PART A

BID SUBMISSION

Template Version: G320040301

FORM A: BID
(See B7)

1. Project Title

SUPPLY & INSTALLATION OF SERVICE BODIES AND TRANSFER OF CRANES

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

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3 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.

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 SERVICE BODIES AND TRANSFER OF CRANES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	Supply & Installation of a Fibreglass Service Body and Transfer of Crane (Unit #184-2347)	05001	Each	1	$_____	$_____
2	Supply & Installation of a Fibreglass Service Body and Transfer of Crane (Unit #184-2350)	05001	Each	1	$_____	$_____

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

(in words)_____

_____

_____
Name of Bidder

FORM N: DETAILED SPECIFICATIONS 05001

SUPPLY & INSTALLATION OF SERVICE BODY AND TRANSFER OF CRANE

(Water & Waste)

1.0 SCOPE

1.1 These specifications describe the supply and installation of a fibreglass service body and the transfer of an existing City of Winnipeg 30,000 ft-lb articulating crane. The installation of the new service body and the transferred crane shall be mounted on a new City owned cab & chassis. (See Section 6.0 Installation for chassis description).

1.2 State make and model of service body being bid:_____

2.0 OTHER SPECIFICATIONS AND 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 on the driver's side window.

3.0 SERVICE FACILITY

3.1 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.

3.2 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 Facility. Any Work performed by the City of Winnipeg 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 2005: $68.00/hour).

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 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 FIBREGLASS SERVICE BODY

5.1 Type – fibreglass service body with two (2) front vertical compartments, one (1) horizontal compartment over the wheelwell, and one (1) rear vertical compartment, each side of body. _____

5.1.1 State make and model being bid. _____

5.2 Dimensions:

5.2.1 Height – nominal 48 in., state height. _____

5.2.2 Depth – nominal 18 in., state depth. _____

5.2.3 Length – nominal 132 in., state length. _____

5.2.4 Width, overall – maximum 96 in., state width. _____

5.3 Compartment Layout – Left Hand Side:

5.3.1 Front vertical compartments – two (2), clear, full height with barn style doors that open to form one large compartment. _____

5.3.2 Horizontal compartment – clear full height, open on right hand side wall. _____

5.3.3 Rear vertical compartment – one (1) shelf at height of horizontal compartment floor. _____

5.3.4 Hot stick door – approx. 20 in. tall, to provide rear access to rear vertical compartment and horizontal compartment. _____

5.4 Compartment Layout – Right Hand Side:

5.4.1 Front vertical compartments – two (2), clear, full height. _____

5.4.2 Horizontal compartment – clear, full height. _____

5.4.3 Rear vertical compartment – clear, full height. _____

5.5 Door latches – flush mounted with locks for all compartment doors. _____

5.5.1 Hinge and latch material – all door hinges and latches shall be chromed or stainless steel. _____

5.5.2 All locks shall be keyed alike. _____

5.5.3 All compartment doors shall have paddle handles (D-ring handles acceptable on barn and hotstick doors). _____

5.5.4 Striker plates – adjustable. _____

5.6 Door seals – all compartment door openings shall be sealed using automotive, bulb type, rubber gaskets. _____

5.7 Vertical doors shall have removable check chains with compression springs. _____

5.8 Rubber bumpers – installed on the body below the horizontal compartments to prevent contact between the compartment door and the body, two (2) bumpers per door. _____

5.9 Wheelwell areas shall incorporate a fibreglass or rubber fender flare. _____

5.10 Drip moulding – installed along the full length of the body above the door opening. _____

5.11 Deck – minimum 3/16 in. steel plate, full width, full length between fibreglass body sides. Deck sides shall extend full height up fibreglass body. _____

5.11.1 Deck reinforcements – minimum 4 in. channel cross sills and minimum 2 in. angle longitudinal reinforcements, or approved equal. _____

5.12 Fibreglass body protected on top by 3/16 in. checkerplate steel, full length, full width. _____

5.13 Front "headboard" to close off front of deck, 2" x 2" steel tubing frame with steel expanded mesh design. _____

5.13.1 Headboard shall be as high as possible, but shall not extend above the top of the body or above the bottom of the cab rear window, whichever is lower. _____

5.14 Kickplate – 3/16 in. aluminium checkerplate, to protect rear of body, full width, below deck floor level. _____

5.15 Additional checkerplate – 3/16 in. aluminium checkerplate, to protect lower front area of the body protruding past chassis cab, both sides, minimum 8 in. kickplate height. _____

6.0 HYDRAULIC CRANE TRANSFER

6.1 The work shall consist of the removal, refurbish and re-installation onto the new cab & chassis. _____

6.2 Cranes to be transferred are:

- One (1) IMT nominal 30,000 ft-lb articulating crane.
- One (1) Continental Model US4-01 nominal 30,000 ft-lb articulating crane.

Note: Bidders are encouraged to view the crane & service body trucks prior to submitting a bid. Bidders may contact Mr. Eugene Romaniuk tel: (204) 986-4181 to make an appointment.

6.3 Sandblast and paint – the crane shall be sandblasted, primed with a suitable primer and re-painted as per Section 11.5 with the original manufacturer's colour. Refinishing of the crane shall be as per the manufacturer's recommendation. _____

6.3.1 Decals – all original decals shall be re-installed as per OEM. _____

6.4 Hydraulic reservoir – shall be completely drained, flushed and filled with Petro Canada HV22 or equal. _____

6.5 Hydraulic hoses – all hydraulic hoses and fittings shall be replaced with

new, unused hoses and fittings with pressure ratings and burst pressure ratings as per OEM recommendations. _____

6.6 Hydraulic pump – replaced with a new, unused hydraulic pump identical to the OEM pump. _____

6.7 PTO – Muncie electric/hydraulic powershift or equal, state make and model being bid. _____

6.8 Main control valve – valve shall be refurbished/rebuilt including new springs and seals. Linkages to be refurbished as required. _____

6.8.1 Selector valve – valve to be refurbished/rebuilt including new springs and seals. Linkage to be refurbished as required. _____

6.9 Bushings and pins – all bushings and pins shall be replaced with new, unused OEM bushings and pins throughout the entire crane. _____

6.10 Hydraulic cylinders – complete rebuild including replacement of rings and seals and refurbishing of counterbalance holding valves. _____

6.11 Lifting hook – replaced with new, unused OEM hook. _____

6.12 Certification – the completed transfer shall be re-certified as per SAE Standard Z-150 complete with applicable documentation. _____

7.0 INSTALLATION

7.1 The crane and fibreglass service body shall be installed on the following City supplied chassis:

- 2005 Sterling Acterra Conventional Cab & Chassis
- 27,500 lbs. GVWR, 10,000# front, 17,500# rear
- CAT C7 diesel engine
- Allison automatic transmission
- WB=176", CA=108", AF=63"
- Frame: 18.0 SM, 80,000 psi, 1,440,000 rbm
- Hydraulic power brakes
- Horizontal muffler and RHS vertical exhaust discharge

7.2 Mounting of the body and crane shall be in accordance with the manufacturer's recommended mounting procedures including, but not limited to, guidelines for tire and suspension. _____

7.3 Tire clearance shall be bumper pad clearance plus 3 in. minimum. _____

7.4 The fibreglass service body shall be mounted to the steel deck using cadmium plated carriage bolts and fender washers. _____

7.4.1 Bearing plates shall be used in high stress areas. _____

7.5 Upon request of the Contract Administrator, Bidders shall supply a diagram and description showing the body manufacturer's recommended

body to chassis mount. Diagrams shall be supplied within twenty (20) Calendar days upon request. _____

7.6 Mounting brackets on crane shall be bolted to chassis frame using grade 8 fasteners. _____

7.7 Any holes required in chassis frame web must be drilled and reamed to fit bolts, no exceptions. _____

7.8 Welding or drilling on chassis frame flanges and welding on chassis frame web is not permitted. _____

8.0 REAR BUMPER AND HITCH

8.1 Rear bumper – heavy duty step bumper, 10-11 in. wide with grip strut step surface and a recess for a pintle hitch mount. _____

8.1.1 Steps – required between deck surface and step bumper, approx. 6" wide x 12" long with expanded metal surface, one (1) each side of hitch. _____

8.2 Hitch plate - ½ in. thick solid steel, (laminated plates unacceptable) installed to chassis frame. _____

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

8.2.2 Pintle hitch – Premier 130, Altec Model T22 or approved equal, mounted to hitch plate at a 26½ in. height from ground level. _____

8.2.3 Lunette eyes – two (2) Buyers Products B56729 or equal, mounted 12 in. either side of hitch. _____

9.0 ELECTRICAL AND LIGHTING

9.1 All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. _____

9.2 Supplier installed lighting shall be LED Truck Lite (except where otherwise noted) and shall include the following components:

9.2.1 Combination stop, turn and taillights – P/N 44302R, one (1) per side with P/N 40700 mounting grommets, flush or recessed mounted in back of body. _____

9.2.3 Turn signal flash rate – 70-90 flashes per minute. _____

9.2.4 Back-up lights – P/N 44206C, one (1) per side with 40700 mounting grommets, flush or recess mounted in back of body. _____

9.2.5 3-Light cluster – three (3) only P/N 10250R with P/N 10700 mounting grommets. _____

9.2.6 Clearance lights – P/N 10250R and 10250Y with P/N 10700 mounting grommets. _____

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

9.2.8 Lighting harnesses – Truck-Lite 50 Series Harness system, properly routed and secured. _____

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

9.4 All plug-in connectors and entire inside of junction box shall be coated with Truck-Lite NYK Compound prior to assembly. _____

9.5 Back-up alarm – STAR 62-097, 97 dB(A) rating, installed at rear of body, located to be protected from damage. _____

9.9 Mini light bar – one (1) Grote 76813 mounted either on a roof rack or pipe mounted off the frame above cab roof line. _____

9.9.1 Rear mounted warning lights – two (2) Grote 77363 oval LED lights with mounting gromments, one (1) on each side of service body, rear mounted in kick plate or at rear of fibreglass body, located to be protected from damage. Exact mounting location to be determined at pre-production meeting. _____

9.9.2 Warning light switch – warning lights and mini light bar shall be actuated by an in-cab switch wired through the ignition and accessory circuit. Switch to be readily accessible from driver, permanently labelled with an engraved style label. _____

9.10 Trailer plugs – two (2) required, one (1) 7-pole Grote 82-1058 or equal, and one (1) 6-pole Grote 82-1016, installed near hitch, wired as coded and separately fused through the chassis manufacturer's factory auxiliary fuse panel. _____

9.11 All body supplier installed wiring shall be numbered, colour coded, loomed, properly secured and protected from damage. _____

9.11.1 All electrical connectors shall be crimped and soldered to the wiring, then sealed using heat shrink tubing. _____

9.11.2 All joining of wires shall be soldered and sealed using heat shrink tubing (crimp on electrical connectors for joining wires are not acceptable). _____

9.11.3 Splicing into factory chassis or body wiring harnesses is not acceptable. _____

9.11.4 All holes required for routing wiring shall be drilled (not punched), grommeted and sealed as required. _____

10.0 MISCELLANEOUS

10.1 Mudflaps – no name, fabric reinforced, black rubber mudflaps Installed behind rear tires complete with ½ in. diameter steel bar

anti-sail brackets. _____

10.2 Grab handles – located at rear of body each side for access to deck. _____

10.3 Tool trays – 3/16 in. steel construction, mounted above fibreglass body each side, full length x full width x 10 in. high. _____

10.4 Pipe storage tubes – 5 in. inside diameter x 76 in. long, PVC material, mounted on a slope to deck on left (street) side, five (5) quantity. _____

10.5 Barricade arm brackets – mounted to deck side of service body on right (curb) side, capable of storing six (6) barricade arms. _____

10.6 Stop sign base bracket – mounted to deck side of service body on right (curb) side, capable of storing two (2) stop signs bases. _____

11.0 COLOUR AND FINISH

11.1 Fibreglass service body to be gelcoat colour impregnated white to match chassis cab colour. _____

11.2 Tool trays, steel hitch plate, rear bumper etc. – properly cleaned and primed, then painted with two (2) coats of black enamel. _____

11.3 All edges around deck risers, kickplates, steel or aluminum plates shall be caulked along edges using elasomeric sealant. _____

11.4 Deck – properly cleaned and coated with Ferrox non-skid coating, no substitutes. _____

11.5 Crane – sandblasted, primed with Endura EP32 Intermix Epoxy Primer then finished with Endura EX-2C Topcoat. Colours to match existing cranes. _____

12.0 PERFORMANCE RELIABILITY

12.1 The responsibility for the design of the complete unit, its performance and reliability shall rest upon the Contractor. _____

12.2 The term *"repeat failures"* as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the unit inoperative, or required repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, or 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. _____

12.3 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. _____

13.0 WARRANTY

13.1 The Contractor shall warrant **all service body 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. _____

13.1.1 A new one (1) year warranty period shall be provided for any article that is repaired or replaced under the terms of the "repeat failures" clause (Section 12.0 Performance Reliability). The new warranty period shall be effective from the date of acceptance of the repaired or replaced article. _____

13.2 The Contractor shall warrant the **transfer or crane** and all related work and 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 **LIST** three current users of the offered model:

_____

_____

_____

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

_____

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

_____

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

_____

_____