

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF SERVICE BODIES

2. Bidder

Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from above)

Street

City

Province

Postal Code

Email Address of Bidder

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

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

Email Address

4. Definitions

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

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	_____	Dated	_____
	_____		_____
	_____		_____

9. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures The Bidder or the Bidder's authorized official or officials have signed this _____ day of _____, 20____.

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
(See B9)

SUPPLY AND DELIVERY OF SERVICE BODIES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Service Body	16030	Each	2	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 16030

SERVICE BODY (Water & Waste)

1.0 SCOPE

- 1.1 These specifications describe the supply and delivery of a steel service body with a steel deck, to be mounted on a City owned cab & chassis vehicle. The City of Winnipeg, Facility 7 Repair Facility will perform the installation of the body and deck (see 8.0 Installation for chassis description). The service body must be capable of supporting a 25,000 ft-lb telescopic crane at the rear, passenger side of the body. The crane shall be supplied and installed by the City of Winnipeg on a separate contract.
- 1.2 The unit shall be furnished complete and ready for installation. All parts not specifically mentioned, but which are required to complete and place the unit into successful operation, shall be furnished as though specifically mentioned in these specifications. The complete unit and all parts thereof, shall conform in strength and quality of material and workmanship to the best standards and engineering practice of the industry.
- 1.3 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the unit.
- 1.4 The ratings specified herein merely state the minimum values acceptable to the City. There is no intent of implying that these values are sufficient for the design of the unit being bid.

2.0 STANDARDS

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

Society of Automotive Engineers, SAE: http://www.standardsportal.org/usa_en/sdo/sae.aspx

- 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.

Highway Traffic Act: <http://web2.gov.mb.ca/laws/statutes/ccsm/h060e.pHP>

Canadian Motor Vehicle Safety Standards, CMVSS:
<https://www.tc.gc.ca/eng/acts-regulations/acts-1993c16.htm>

- 2.3 All welding shall conform to the CSA/CWB Standards W47.1-03 and W59-03.

3.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 3.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders shall state "yes" for compliance or state deviation, or give a reply where requested to do so.** Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.
- 3.2 Each bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

4.0 STEEL SERVICE BODY

4.1 **State Make and Model Being Bid:** _____

4.2 Construction – 12 and 14-gauge galvaneal steel, double sided construction with internally reinforced compartment doors. _____

4.3 Compartment layout, general – one (1) front vertical compartment, one (1) horizontal compartment over the wheelwell and one (1) rear vertical compartment, each side of body. _____

4.4 For the purpose of these specifications:

L – Length along or parallel to chassis longitudinal axis.

H – Height, vertical.

D – Depth on horizontal plane across vehicle.

4.5 General dimensions:

4.5.1 Body height – nominal 50 in. over front compartments, nominal 42 in. over middle and rear compartments. _____

4.5.2 Body length – nominal 108 in. _____

4.5.3 Body width – nominal 94 in. _____

4.6 Compartment layout, left (street) side:

4.6.1 Front vertical compartment – 37"L x 50"H x 20"D approx., with one (1) vertical, centre-mounted divider from top to bottom. Each section (left and right) to include two (2) height adjustable shelves. Floor of compartment to be lined with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material. _____

4.6.2 Horizontal compartment – 45"L x 25"H x 20"D approx., bottom hinged door, two (2) pullout drawers/trays c/w six (6) dividers per shelf. Approx. 6 in. space shall be provided at the bottom for additional tools. Bottom section to be lined with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material. _____

4.6.3 Rear vertical compartment – 26"L x 40"H x 20"D approx., with two (2) height adjustable shelves. Floor of compartment to be lined with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material. _____

4.7 Compartment layout, right (curb) side:

4.7.1 Front vertical compartment – 37"L x 50"H x 20"D approx. with seven (7) pull-out drawers, 6 in. height approx., full depth c/w heavy duty sliders. Top portion open. _____

4.7.2 Horizontal compartment – 45"L x 25"H x 20"D approx., bottom hinged door, two (2) pullout drawers/trays c/w six (6) dividers per shelf. Approx. 6 in. space shall be provided at the bottom for additional tools. Bottom section to be lined with Dri-Deck material. _____

- 4.7.3 Rear vertical compartment – 26"L x 40"H x 20"D approx. with three (3) locking swivel hooks suitable for mounting to rear wall and each side wall (nine (9) hooks total). Mounting hooks to be supplied loose. Compartment shall be reinforced as required to accommodate a 25,000 ft-lb telescopic crane. Floor of compartment to be lined with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material. _____
- 4.8 Drain holes – all body compartments to include a $\frac{1}{2}$ in. drain hole. Horizontal compartments should drain to front or rear compartment (not floor of compartment) to avoid road spray from wheel well area. _____
- 4.9 Doors, vertical compartments – front and rear vertical compartment doors to be vertically hinged. _____
- 4.9.1 Doors, horizontal compartments – bottom hinged preferred with two (2) rubber bumpers installed on the body below to prevent contact between the compartment door and the body. Two (2) vertically hinged doors per compartment acceptable. **State** door configuration. _____

- 4.10 Door latches – flush mounted with locks for all compartment doors. All locks shall be keyed alike. _____
- 4.11 Compartment door handles – Tri-Mark or equivalent, chrome plated or stainless steel. Paddle style handles preferred, T-handle latches acceptable. _____
- 4.12 Door hinges and latches – chromed or stainless steel with adjustable striker plates. _____
- 4.13 All compartment door openings shall be sealed using automotive, bulb type, rubber gaskets. _____
- 4.14 Door hold-open devices – over-centre door holders on front and rear compartments, detachable cables on horizontal compartments. _____
- 4.15 Wheelwell area shall incorporate a steel or rubber fender flare. _____
- 4.16 Drip moulding – installed along the full length of the body above the door openings. _____
- 5.0 MAIN DECK ASSEMBLY**
- 5.1 Deck – $\frac{3}{16}$ in. checkerplate or smooth steel. _____
- 5.2 Deck width – 50 in. approx. between side packs. _____
- 5.3 Deck sides – $\frac{3}{16}$ in. steel checkerplate, extending full-height up sides of side packs. _____
- 5.4 Tie-down eyes – eight (8) total, one (1) required near each corner of floor/deck, flush mounted and two (2) equally spaced on inside of side packs, mid-height, each side. Floor mounted tie-down eyes rated for

- lifting body with an overhead crane. _____
- 5.5 Front headboard – $\frac{3}{16}$ in. steel checkerplate, approx. 52 in. tall. Top of headboard shall not protrude higher than the lower portion of the rear truck window. _____
- 5.6 Kickplate, front – $\frac{1}{8}$ in. smooth or checkerplate aluminium to protect lower front area of body protruding past chassis cab, each side, 8 in. kickplate height. _____
- 5.7 Kickplate, rear of body – $\frac{1}{8}$ in. smooth or checkerplate aluminium, full-width below deck floor level. _____
- 5.8 Tailgate – automotive style tailgate, steel construction, 10 in. height approx., fold-down style with check chains. _____
- 5.9 Deck sides and kickplates caulked along edges using elastomeric sealant. _____
- 6.0 ELECTRICAL AND LIGHTING**
- 6.1 All lighting to conform to C.M.V.S.S. and Manitoba Highway Traffic Act. _____
- 6.2 Supplier installed lighting and lighting equipment shall be Truck-Lite (except where otherwise noted) and shall include the following components:
- 6.2.1 Combination turn/stop and taillights – P/N 44302R, flush mounted, one (1) per side with 40700 mounting grommets, mounted in rear of body at maximum practicable height. _____
- 6.2.2 Back-up lights – P/N 44206C, flush mounted in rear of body, one (1) per side with 40700 mounting grommets. _____
- 6.2.3 Light cluster – three (3) only P/N 10250R with P/N 10700 mounting grommets, or three (3) 33250R with P/N 33700 grommets, located to be protected from damage below deck. _____
- 6.2.4 Clearance lamps – P/N 10250R and 10250Y with P/N 10700 mounting grommets, or 33250R and 33250Y with P/N 33700 grommets. _____
- 6.3 No clearance light shall protrude beyond the service body. _____
- 6.4 Licence plate lamp – P/N 36140, c/w P/N 36710 licence plate bracket. _____
- 6.5 Warning lights – two (2) Whelen 5GA00FAR oval lights mounted below stop, turn and taillights and back-up lights. _____
- 6.6 Harnesses – Truck-Lite 50 Series Harness system or equal, properly routed and secured. _____
- 6.6.1 All harnesses shall be internally grounded, no exceptions. _____
- 6.7 Junction box – P/N 50400, complete with necessary compression fittings, required for all vehicle lighting harness connections, located inside rear of service body, protected from road debris including all harness connections. _____

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

6.9 Compartment lights – LED continuous “rope” style lighting in all service body compartments, properly secured to prevent damage. _____

6.10 All wiring for warning lights, rope lighting, etc. shall be colour coded, loomed and properly secured. _____

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

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

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

7.0 WELDING

7.1 All welds shall be continuous welds. _____

7.2 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.

8.0 INSTALLATION

8.1 The City of Winnipeg shall install the body on the following City owned cab & chassis:

2017 Ford F550

- 19,500 lbs. GVWR
- Gasoline engine
- Crew Cab
- Colour, Ford Oxford White Z1
- 60 in. CA
- 4WD
- Automatic transmission
- Horizontal discharge exhaust
- 225/70Rx19.5 tires

Note: Further to 4.7.3, the City shall be installing a Ventura ET25KX crane on top of the rear, curb-side, vertical compartment.

8.2 Clearance between service body and back of truck cab shall be 3 in. min. _____

8.3 Installation manual – the contractor shall provide an installation manual providing installation instructions of the service body. The manual shall include, but not limited to, body positioning (clearance) between cab and service body, recommended fasteners, welding criteria, etc. _____

9.0 MISCELLANEOUS

- 9.1 Grab handles – two (2), chrome, rear-mounted for ergonomic access to deck area. _____
- 9.2 Interfaces – any contact between aluminum and steel shall be separated by a minimum $\frac{1}{16}$ in. rubber or neoprene sheet to prevent galvanic corrosion. Bolts between aluminum and steel shall be stainless steel. _____
- 9.3 Production drawings – the Contractor shall supply multi-view CAD drawings to the Contract Administrator upon award of contract prior to construction of the service body. _____

10.0 COLOUR AND FINISH

- 10.1 Aluminum components – unfinished. _____
- 10.2 Service body – complete service body and deck shall be sandblasted, properly cleaned, primed and finished with the Endura (or equivalent) paint process as follows:
- 10.2.1 Primer – Endura EP32 Intermix Epoxy Primer or equal. _____
- 10.2.2 Paint – 3-5 mils of Endura EX-2C Topcoat or equal, white to match 2017 Ford Oxford White Z1. _____

11.0 DELIVERY

- 11.1 Delivery – the unit and all components thereof shall be ready for installation, and delivered F.O.B. with the freight prepaid to the Winnipeg Fleet Management Agency, Repair Facility 7, 215 Tecumseh Street, Winnipeg, Manitoba within **twenty-six (26) calendar weeks** from the date 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. _____
- 11.2 A pre-delivery inspection shall be performed by the Contractor on all equipment. _____

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, 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. _____

- 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.
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