

FORM A: BID
(See B7)

1. Contract Title SUPPLY & 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

(Mailing address if different)

Email Address of Bidder

Facsimile Number

Street or P.O. Box

City

Province

Postal Code

(Choose one)

GST Registration Number (if applicable)

The Bidder is:

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 B8)

SUPPLY & DELIVERY OF SERVICE BODIES

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Service Body – W & W Interception 5702502	12057	Each	1	\$ _____
2.	Service Body – Bridge Maintenance 5702323	12058	Each	1	\$ _____
3.	Service Body – W & W Interception 5702801, 5702506	12059	Each	2	\$ _____

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 12057

SERVICE BODY (5702502) (Water & Waste/Interception)

1.0 SCOPE

- 1.1 These specifications describe the supply and delivery of a fibreglass service body with a steel deck, to be mounted on a City owned cab & chassis vehicle by the City of Winnipeg, Facility 7 Repair Facility (see 8.0 Installation for chassis description). The service body shall be capable of supporting a 10,000 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.
- 2.2 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 FIBREGLASS SERVICE BODY

- 4.1 Construction – service body sidepacks, compartments and doors shall be constructed of high impact resistant fibreglass. _____
- 4.2 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. _____
- 4.3 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.

4.4 General dimensions:

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

4.4.2 Body length – nominal 108 in.

4.4.3 Body width – nominal 94 in.

4.5 **Compartment layout, left (street) side:**

4.5.1 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 $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal.

4.5.2 Horizontal compartment – 40"L x 25"H x 20"D approx., with two (2) pullout drawers 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 or equal.

4.5.3 Rear vertical compartment – 31"L x 40"H x 20"D approx., with two (2) height adjustable shelves. Floor of compartment to be lined with $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal.

4.6 **Compartment layout, right (curb) side:**

4.6.1 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.

4.6.2 Horizontal compartment – 40"L x 25"H x 20"D approx., with two (2) pullout drawers 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 or equal.

4.6.3 Rear vertical compartment – 31"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 10,000 ft-lb telescopic crane. Floor of compartment to be lined with $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal.

4.7 Drain holes – all body compartments to include a $\frac{1}{2}$ in. drain hole.

4.8 Door latches – flush mounted with locks for all compartment doors. All locks shall be keyed alike.

4.9 Compartment door handles – Tri-Mark or equivalent, chrome plated or stainless steel paddle style handles.

- 4.10 Door hinges and latches – chromed or stainless steel with adjustable striker plates. _____
- 4.11 All compartment door openings shall be sealed using automotive, bulb type, rubber gaskets. _____
- 4.12 Door hold-open devices – over-centre door holders on front and rear compartments, detachable cables on horizontal compartments. _____
- 4.13 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. _____
- 4.14 Wheelwell area shall incorporate a fibreglass or rubber fender flare. _____
- 4.15 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 steel with an under deck “possum belly” storage compartment. _____
- 5.1.1 The deck shall have a rain lip or drip moulding to prevent water from entering into the possum belly storage compartment. _____
- 5.2 Deck width – 54 in. approx. between fibreglass side packs. _____
- 5.3 Possum belly – located below entire deck area, $\frac{1}{8}$ in. steel plate floor. _____
- 5.3.1 Rear door – steel construction, bottom hinged c/w a Tri-Mark or equivalent, chrome plated or stainless steel paddle style handle, lockable. Grease fitting required on each hinge. _____
- 5.3.2 Pullout drawer – located in possum belly, heavy duty steel construction, approx. 54" x 72" w/ approx. 6 in. lip all around. Pullout drawer shall include heavy duty rollers/sliders, _____
- 5.3.3 Drain holes – two (2) $\frac{3}{4}$ in. drain holes required at front of possum belly compartment and pullout drawer. _____
- 5.4 Deck sides – $\frac{3}{16}$ in. aluminum checkerplate, extending full height up sides of fibreglass side packs. _____
- 5.5 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. _____
- 5.6 Front headboard – smooth aluminum construction, approx. 52 in. tall. _____
- 5.7 Kickplate, rear of body – $\frac{3}{16}$ in. smooth aluminum, full width below deck floor level. _____
- 5.8 Kickplate, front – $\frac{3}{16}$ in. aluminum checkerplate to protect lower front

- area of body protruding past chassis cab, each side, min. 8 in. kickplate height. _____
- 5.9 Tailgate – automotive style tailgate, steel construction, 10 in. height approx., fold-down style with check chains or chrome plated or stainless steel paddle type handle. _____
- 5.10 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 3-lamp ID assembly P/N 33740R, located to be protected from damage below auxiliary step. _____
- 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 15040, complete with licence plate bracket. _____
- 6.5 Warning lights – Whelen 5G 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 All plug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly. _____
- 6.8 Compartment lights – LED continuous “rope” style lighting in all service body compartments, properly secured to prevent damage. _____
- 6.9 All wiring for warning lights, back-up alarm and rope lighting shall be colour coded, loomed and properly secured. _____
- 6.9.1 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. _____
- 6.9.2 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).

- 6.10 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:

2013 Ford F550

- 19,500 lbs. GVWR
- Crew Cab
- 60 in. CA
- 4WD
- Automatic transmission
- Horizontal discharge exhaust

- 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 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.
-

- 9.2 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 Fibreglass service body gel coat colour impregnated to match chassis cab colour, i.e., 2013 Ford Oxford White Z1.
-

- 10.2 Aluminum components – unfinished.
-

- 10.3 Steel deck – complete deck shall be sandblasted, properly cleaned, primed and finished with the Endura (or equivalent) paint process as follows:

10.3.1 Primer – Endura EP32 Intermix Epoxy Primer or equal. _____

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

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 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. _____

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. _____

13.0 WARRANTY

13.1 The Contractor shall warrant **all equipment** and all parts thereof, against any defects of 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 **two (2) years** from the date the equipment is put into service by the City of Winnipeg. _____

FORM N: DETAILED SPECIFICATIONS 12058

SERVICE BODY (5702323) *(Bridge Maintenance)*

1.0 SCOPE

- 1.1 These specifications describe the supply and delivery of a fibreglass service body with a steel deck, to be mounted on a City owned cab & chassis vehicle by the City of Winnipeg, Facility 7 Repair Facility (see 8.0 Installation for chassis description).
- 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.
- 2.2 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 FIBREGLASS SERVICE BODY

- 4.1 Construction – service body sidepacks, compartments and doors shall be constructed of high impact resistant fibreglass. _____
- 4.2 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. _____
- 4.3 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.

4.4 General dimensions:

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

4.4.2 Body length – nominal 108 in.

4.4.3 Body width – nominal 94 in.

4.5 **Compartment layout, left (street) side:**

4.5.1 Front vertical compartment – transverse compartment, 37"L x 50"H x 20"D approx., vented, c/w one (1) full depth height adjustable transverse shelf. Floor of compartment to be lined with $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal.

4.5.2 Horizontal compartment – 40"L x 25"H x 20"D approx., with one (1) mid-height, full length, height adjustable shelf. Bottom section to be lined with Dri-Deck material or equal.

4.5.3 Rear vertical compartment – 31"L x 40"H x 20"D approx., eight (8), equal height heavy duty pull-out drawers, latchable.

4.6 **Compartment layout, right (curb) side:**

4.6.1 Front vertical compartment – transverse compartment, 37"L x 50"H x 20"D approx., vented, c/w one (1) full depth height adjustable transverse shelf. Floor of compartment to be lined with $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal.

4.6.2 Horizontal compartment – 40"L x 25"H x 20"D approx., with one (1) mid-height, full length, height adjustable shelf. Bottom section to be lined with Dri-Deck material or equal.

4.6.3 Rear vertical compartment – 31"L x 40"H x 20"D approx. with three (3) locking swivel hooks mounted to rear wall and each side wall (nine (9) hooks total). Floor of compartment to be lined with $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal.

4.7 Drain holes – all body compartments to include a $\frac{1}{2}$ in. drain hole.

4.8 Door latches – flush mounted with locks for all compartment doors. All locks shall be keyed alike.

4.9 Compartment door handles – Tri-Mark or equivalent, chrome plated or stainless steel paddle style handles.

4.10 Door hinges and latches – chromed or stainless steel with adjustable striker plates.

4.11 All compartment door openings shall be sealed using automotive, bulb type, rubber gaskets.

4.12 Door hold-open devices – over-centre door holders on front and rear

compartments, detachable cables on horizontal compartments.

4.13 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.

4.14 Wheelwell area shall incorporate a fibreglass or rubber fender flare.

4.15 Drip moulding – installed along the full length of the body above the door openings.

4.16 Entire top section of the side packs and transverse compartment shall be protected by $\frac{3}{16}$ in. aluminum checkerplate.

5.0 MAIN DECK ASSEMBLY

5.1 Deck – $\frac{3}{16}$ in. checkerplate steel.

5.2 Deck width – 54 in. approx. between fibreglass side packs.

5.3 Deck sides – $\frac{3}{16}$ in. aluminum checkerplate, extended full height up sides of fibreglass side packs and fully protecting the vertical (deck side) portion of front transverse compartment.

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 Kickplate, rear of body – $\frac{3}{16}$ in. smooth aluminum, full width below deck floor level.

5.6 Kickplate, front – $\frac{3}{16}$ in. aluminum checkerplate to protect lower front area of body protruding past chassis cab, each side, min. 8 in. kickplate height.

5.7 Tailgate – automotive style tailgate, aluminium construction, 10 in. height approx., fold-down style with check chains or chrome or stainless steel, paddle type handle.

5.8 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 3-lamp ID assembly P/N 33740R, located to be protected from damage below auxiliary step.

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 15040, complete with licence plate bracket.

6.5 Warning lights – Whelen 5G 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 All plug-in connectors shall be coated with Truck-Lite NYK compound prior to assembly.

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

6.9 All wiring for warning lights, back-up alarm and rope lighting shall be colour coded, loomed and properly secured.

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

6.9.2 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).

6.10 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:

2013 Ford F550

- 19,500 lbs. GVWR
- Crew Cab
- 60 in. CA

- 4WD
- Automatic transmission
- Horizontal discharge exhaust

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

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 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.

9.2 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 Fibreglass service body gel coat colour impregnated to match chassis cab colour, i.e., 2013 Ford Oxford White Z1.

10.2 Aluminum components – unfinished.

10.3 Steel deck – complete deck shall be sandblasted, properly cleaned, primed and finished with the Endura (or equivalent) paint process as follows:

10.3.1 Primer – Endura EP32 Intermix Epoxy Primer or equal.

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

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 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.

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.

13.0 WARRANTY

13.1 The Contractor shall warrant **all equipment** and all parts thereof, against any defects of 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 **two (2) years** from the date the equipment is put into service by the City of Winnipeg.

FORM N: DETAILED SPECIFICATIONS 12059

SERVICE BODY (5702801, 5702506) *(Water & Waste/Interception)*

1.0 SCOPE

- 1.1 These specifications describe the supply and delivery of a fibreglass service body with a steel deck, to be mounted on a City owned cab & chassis vehicle by the City of Winnipeg, Facility 7 Repair Facility (see 9.0 Installation for chassis description).
- 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.
- 2.2 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 FIBREGLASS SERVICE BODY

- 4.1 Construction – service body sidepacks, compartments and doors shall be constructed of high impact resistant fibreglass. _____
- 4.2 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. _____
- 4.3 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.

4.4 General dimensions:

4.4.1 Body height – nominal 42 in. _____

4.4.2 Body length – nominal 108 in. _____

4.4.3 Body width – nominal 94 in. _____

4.5 **Compartment layout, left (street) side:**

4.5.1 Front vertical compartment – 37"L x 42"H x 20"D approx., open compartment. Floor of compartment to be lined with $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal. _____

4.5.2 Horizontal compartment – 40"L x 25"H x 20"D approx., with two (2) pullout drawers. Each drawer shall include dividers, full depth along the "D" plane, i.e., across vehicle at 4 in. increments. Bottom section of compartment to be lined with Dri-Deck material or equal. _____

4.5.3 Rear vertical compartment – 31"L x 42"H x 20"D approx., with three (3) locking swivel hooks mounted to rear wall and each side wall (nine (9) hooks total). Floor of compartment to be lined with $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal. _____

4.6 **Compartment layout, right (curb) side:**

4.6.1 Front vertical compartment – 37"L x 42"H x 20"D approx. with nine (9), heavy duty pull-out drawers, full height of compartment, latchable. Two bottom drawers 6 in. height approx., remaining seven drawers 3½ in. height approx. _____

4.6.2 Horizontal compartment – 40"L x 25"H x 20"D approx., with one (1) pullout drawer, no dividers. Pullout drawer to be mounted near top of compartment to provide space at bottom for additional tools. Bottom section of compartment to be lined with Dri-Deck material or equal. _____

4.6.3 Rear vertical compartment – 31"L x 42"H x 20"D approx. with three (3) height adjustable shelves, full width and depth. Shelves to include a front lip, 2 in. approx. Floor of compartment to be lined with $\frac{3}{16}$ in. smooth aluminium with a $\frac{1}{16}$ in. rubber lining and Dri-Deck material or equal. _____

4.7 Drain holes – all body compartments to include a ½ in. drain hole. _____

4.8 Door latches – flush mounted with locks for all compartment doors. All locks shall be keyed alike. _____

4.9 Compartment door handles – Tri-Mark or equivalent, chrome plated or stainless steel paddle style handles. _____

4.10 Door hinges and latches – chromed or stainless steel with adjustable striker plates. _____

4.11 All compartment door openings shall be sealed using automotive, bulb

type, rubber gaskets.

4.12 Door hold-open devices – over-centre door holders on front and rear compartments, detachable cables on horizontal compartments.

4.13 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.

4.14 Wheelwell area shall incorporate a fibreglass or rubber fender flare.

4.15 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 steel with an under deck “possum belly” storage compartment.

5.1.1 The deck shall have a rain lip or drip moulding to prevent water from entering into the possum belly storage compartment.

5.2 Deck width – 54 in. approx. between fibreglass side packs.

5.3 Possum belly – located below entire deck area, $\frac{1}{8}$ in. steel plate floor.

5.3.1 Rear door – steel construction, bottom hinged c/w a Tri-Mark or equivalent, chrome plated or stainless steel paddle style handle, lockable. Grease fitting required on each hinge.

5.3.2 Pullout drawer – located in possum belly, heavy duty steel construction, approx. 54" x 72" w/ approx. 4 in. lip all around. Pullout drawer shall include heavy duty rollers/sliders,

5.3.3 Drain holes – two (2) $\frac{3}{4}$ in. drain holes required at front of possum belly compartment and pullout drawer.

5.4 Deck sides – $\frac{3}{16}$ in. aluminum checkerplate, extending full height up sides of fibreglass side packs.

5.5 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.

5.6 Front headboard – smooth aluminum construction, full height of body.

5.7 Kickplate, rear of body – $\frac{3}{16}$ in. smooth aluminum, full width below deck floor level.

5.8 Kickplate, front – $\frac{3}{16}$ in. aluminum checkerplate to protect lower front area of body protruding past chassis cab, each side, min. 8 in. kickplate height.

5.9 Deck sides and kickplates caulked along edges using elastomeric sealant.

6.0 ROLL TOP / REAR DOORS

6.1 Roll top – 3-piece aluminium construction, top-mounted full height and width of side packs.

6.2 Rear doors – barn style doors, fibreglass construction, c/w Tri-Mark or equivalent, chrome plated or stainless steel paddle style handle or chrome plated or stainless steel D-ring handle, lockable, keyed alike.

7.0 ELECTRICAL AND LIGHTING

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

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

7.2.1 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.

7.2.2 Back-up lights – P/N 44206C, flush mounted in rear of body, one (1) per side with 40700 mounting grommets.

7.2.3 Light cluster – three (3) only P/N 10250R with P/N 10700 mounting grommets, or 3-lamp ID assembly P/N 33740R, located to be protected from damage below auxiliary step.

7.2.4 Clearance lamps – P/N 10250R and 10250Y with P/N 10700 mounting grommets, or 33250R and 33250Y with P/N 33700 grommets.

7.3 No clearance light shall protrude beyond the service body.

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

7.5 Warning lights – Whelen 5G oval lights mounted below stop, turn and taillights and back-up lights.

7.6 Harnesses – Truck-Lite 50 Series Harness system or equal, properly routed and secured.

7.6.1 All harnesses shall be internally grounded, no exceptions.

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

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

7.9 All wiring for warning lights, back-up alarm and rope lighting shall be colour coded, loomed and properly secured.

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

7.9.2 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).

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

8.0 WELDING

8.1 All welds shall be continuous welds.

8.2 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.

9.0 INSTALLATION

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

2013 Ford F550

- 19,500 lbs. GVWR
- Crew Cab
- 60 in. CA
- 4WD
- Automatic transmission
- Horizontal discharge exhaust

9.2 Clearance between service body and back of truck cab shall be 3 in. minimum.

9.3 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.

10.0 MISCELLANEOUS

10.1 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.

10.2 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.

11.0 COLOUR AND FINISH

11.1 Fibreglass service body gel coat colour impregnated to match chassis cab colour, i.e., 2013 Ford Oxford White Z1.

11.2 Aluminum components – unfinished.

11.3 Steel deck – complete deck shall be sandblasted, properly cleaned, primed and finished with the Endura (or equivalent) paint process as follows:

11.3.1 Primer – Endura EP32 Intermix Epoxy Primer or equal.

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

12.0 DELIVERY

12.1 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 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. _____

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

13.0 PERFORMANCE RELIABILITY

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

13.2 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. _____

13.3 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. _____

14.0 WARRANTY

14.1 The Contractor shall warrant **all equipment** and all parts thereof, against any defects of 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 **two (2) years** from the date the equipment is put into service by the City of Winnipeg. _____

FORM Q-SUSTAINABILITY QUESTIONNAIRE

Product Information

(Yes/No)

Product Sustainability: High Quality, Small Ecological Footprint

1. Have you employed environmentally innovative best practices and/or technologies in the goods you are supplying in this Bid Opportunity as compared to similar goods? If yes, please describe them below.

Describe:

2. Have you obtained 3rd party environmental certifications for any of the products that you are supplying in this Bid Opportunity?

Describe:

3. Have you performed a life cycle assessment of the goods you are supplying in this Bid Opportunity? If yes, please describe below.

Describe:

4. Are there any other environmentally innovative best practices and/or technologies in the goods you are supplying in this Bid Opportunity that we could have specified in this tender, but have not? If yes, please describe them below.

Describe:

Company Information

Energy and Climate: Reducing Energy Costs and Greenhouse Gas Emissions

1. Have you measured your corporate greenhouse gas emissions? If yes, please report your total annual greenhouse gas emissions reported in the most recent year measured?

Describe:

2. Have you set publicly available greenhouse gas reduction targets? If yes, what are those targets?

Describe:

Material Efficiency: Reducing Waste and Enhancing Quality

1. Do you measure the total amount of solid waste generated from the facilities that produce your product(s) for this Bid Opportunity? If yes, please report for the most recent year measured.

Describe:

2. Have you set publicly available solid waste reduction targets? If yes, what are those targets?

Describe:

3. Do you measure the total water use from facilities that produce your product(s) for this Bid Opportunity? If yes, please report for the most recent year measured.

Describe:

4. Have you set publicly available water use reduction targets? If yes, what are those targets?

Describe:

Natural Resources: Responsibly Sourced Raw Materials

1. Have you established publicly available sustainability purchasing guidelines for your direct suppliers that address issues such as environmental compliance, employment practices and product safety?

Describe:

Social Responsibility: Ensuring Responsible and Ethical Production

1. Do you have a process for managing social compliance at the manufacturing level?

Describe:

2. Do you work with your supply base to resolve issues found during social compliance evaluations and also document specific corrections and improvements?

Describe:

3. Do you invest in community development activities in the markets you source from and/or operate within? _____

Describe:
