

**FORM A: BID**  
(See B8)

1. Contract Title SUPPLY AND INSTALLATION 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
- By submitting a bid in response to this Tender, the Bidder certifies that it has read, understands, and agrees to the terms and conditions of this Tender and that the Tender, 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. Indigenous Self-Declaration
- The City is requesting that Bidders identify if their business is at least 51% owned by one or more Indigenous persons of Canada.
- ☐ YES, 51% or more Indigenous ownership
- ☐ NO, it is not
- This information is being gathered for statistical purposes only and will not be used for purposes of evaluation.

11. 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 INSTALLATION OF SERVICE BODIES**

**UNIT PRICES**

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Service Body	19002	Each	7	
2.	Service Body	19025	Each	1	

\_\_\_\_\_  
Name of Bidder

## FORM N: DETAILED SPECIFICATIONS 19002

### SERVICE BODY

#### **1.0 DESCRIPTION OF EQUIPMENT**

- 1.1 These specifications describe the supply and installation of **Service Body** and other equipment and features as specified herein.
- 1.2 The **Service Body** shall be a new 2019 model year or newer.
- 1.3 The **Service Body** and all other items/components shall be the manufacturer's latest model. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 1.4 It will be the responsibility of the Bidder to inform the City of any errors or omissions in these specifications, for under this Contract the Contractor shall be held responsible for the satisfactory operational function of the equipment.

#### **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 Where applicable, the **Service Body** shall comply with the applicable regulations:

Transport Canada, National Safety Mark, NSM:  
<http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>

Manitoba Safety and Health Regulation, Parts 12, 16, 22:  
<http://web2.gov.mb.ca/laws/regs/current/217.06.pdf>

Canadian Motor Vehicle Safety Standards C.M.V.S.S.  
[http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,\\_c.\\_1038/section-sched3.html](http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html)

Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker.  
<http://web2.gov.mb.ca/laws/regs/index.php?act=h60>

Canadian Standards Association, CSA:  
<http://www.csagroup.org/>

Under Writers of Canada, U/L:  
<http://www.ulc.ca/>

Society of Automotive Engineers, SAE:  
<http://www.sae.org/>

City of Winnipeg Lighting Visibility Standard:  
<http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

Manitoba Building Code:  
[https://web2.gov.mb.ca/laws/regs/current/\\_pdf-regs.php?reg=31/2011](https://web2.gov.mb.ca/laws/regs/current/_pdf-regs.php?reg=31/2011)

- 2.3 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 units.
- 2.4 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: \_\_\_\_\_

### **3.0 SERVICE FACILITY**

- 3.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. 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.

### **4.0 REFERENCES**

- 4.1 If available, please provide five (5) references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

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### **5.0 MAKE & MODEL**

- 5.1 **State** year, make and model being bid: \_\_\_\_\_

### **6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

- 6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.
- 6.2 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 and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specification is used, the City will also consider deviations and/or equivalents.
- 6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

### **7.0 PERFORMANCE RELIABILITY**

- 7.1 The responsibility for the design of the **Service Body** its performance and reliability shall rest upon the Contractor.
- 7.2 The term "repeated failures" as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the vehicle inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, of 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 schedule.

7.3 Where the **Service Body** develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

7.4 The equipment shall be capable of consistent top performance in City of Winnipeg Environment.  
**Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C).**

## 8.0 **FUEL**

8.1 Where applicable, all equipment must be fully fueled upon delivery (no exceptions).

## 9.0 **QUALIFICATIONS OF MANUFACTURER & CONTRACTOR**

9.1 The manufacturer of the **Service Body** shall have five (5) years continuous experience manufacturing **Service Body**.

9.2 The manufacturer shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry.

9.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **Service Body** of the type being offered.

## 10.0 **SPECIFICATIONS:**

### **Performance**

10.1 The Service Body shall be capable of consistent top performance for loading and hauling varying payloads year-round in conditions normal to the City of Winnipeg \_\_\_\_\_

### **Note:**

The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C)

### **Make and Model**

10.2 Make **State:** \_\_\_\_\_

10.3 Model **State:** \_\_\_\_\_

### **Body Weight**

10.4 Body Weight **State:** estimated weight of body \_\_\_\_\_

### **Weigh Scale Ticket**

10.5 Weigh Scale Ticket: \_\_\_\_\_

The Contractor shall provide a certified weigh scale ticket upon delivery of the completed unit. The scale ticket shall include front and rear axle weights including two (2) operators, all attachments and full of fuel.

## Installation

- 10.6 The Contractor shall install the bodies on the following City owned cab & chassis vehicles: \_\_\_\_\_

### Traffic Services:

#### **2019 Ford F-550 Seven (7) Required**

- 17,500 lbs. GVWR
- Regular Cab
- 84 in. CA
- 2WD
- 6.8 L, V10 Gasoline engine
- TorqShift® 6-Spd. Automatic
- Horizontal discharge exhaust

#### WFMA Vehicle Unit Number(s):

- 2159921
- 2159922
- 2159923
- 2159924
- 2159925
- 2159926
- 2159927

- 10.7 Availability The chassis will be available during the fourth quarter of 2019 \_\_\_\_\_
- 10.8 Pick-Up
- The Contractor shall be responsible for picking-up the cab & chassis vehicles from the City upon commencement of the Contract
  - The vehicles will be available for pick-up at the Winnipeg Fleet Management Agency, 185 Tecumseh St., Winnipeg, Manitoba
  - Pick-up times will be between 8:00 am and 2:00 pm on any Business Day
  - The Contractor shall be responsible for any related fuel and Insurance costs to and from their facility
- Note:** The vehicles will be fully fuelled at the time of pick-up by the Contractor
- 10.9 Clearance Clearance between service body and back of truck cab shall be a minimum 3 in. in accordance with the Cab & Chassis Incomplete Vehicle Manual \_\_\_\_\_
- 10.10 Tire Clearance Body shall provide for approximately 4 in. clearance with rear springs fully loaded \_\_\_\_\_



10.11	Not-Permitted	<ul style="list-style-type: none"> <li>• Drilling on chassis frame flanges</li> <li>• Welding on the chassis frame</li> </ul>	_____
10.12	Holes	<ul style="list-style-type: none"> <li>• Holes in the chassis frame web shall be drilled and reamed to fit bolts</li> <li>• Holes required to run wires through shall be drilled (not punched), grommited and sealed as required</li> </ul>	_____
10.13	Isolators	<ul style="list-style-type: none"> <li>• All interfaces between aluminium and steel are to be separated by an approximately <math>\frac{1}{16}</math> in. thick rubber or neoprene sheet</li> <li>• Shall be bolted through with stainless steel bolts and non-conductive bushings</li> </ul>	_____
10.14	Mounting	Mounting of the body shall be in accordance with the chassis manufacturer's guidelines for body mounting, including but not limited to, guidelines for tire and suspension clearance and fuel filler installation	_____
10.15	Mounting	<ul style="list-style-type: none"> <li>• The fibreglass side packs shall be mounted to the steel deck using cadmium plated carriage bolts and fender washers</li> <li>• Bearing plates shall be used in high stress areas</li> </ul>	_____
10.16	Mounting Brackets	Shall be bolted to chassis frame using Grade-8 fasteners	_____
10.17	Departure Angle	State: departure angle of completed unit	_____
10.18	Diagram and Description	<p>The Bidder shall submit within three (3) Business Days of a request by the Contract Administrator:</p> <p>Diagram and description showing the body manufacturer's recommended body and deck to chassis mount</p>	_____
<b>Welding Standards</b>			
10.19	Welds	Continuous welds	_____
10.20	Standard	CSA Standard W47.1-30 and W59-03	_____
10.21	Weld Spatter	Weld spatter to be removed prior to finish	_____
10.22	Not-Permitted	Welding on the chassis frame	_____
<b>Finish</b>			
10.23	Fibreglass	Fibreglass service body gel coat colour impregnated to match chassis cab colour	_____
10.24	Aluminum Components	Unfinished	_____

10.25	Deck	Deck surface properly cleaned and coated with: <ul style="list-style-type: none"><li>• Rust-Oleum AS5400 Anti-Slip Floor Covering</li><li>• Black</li></ul>	_____
10.26	Preparation	All steel components unless otherwise noted in these specifications shall be sandblasted, properly cleaned, primed and finished with the Endura, DuPont or Tristar paint process	_____
10.27	Primer	<b>Required:</b> Epoxy or Polyurethane primer  Endura EP321 Intermix Epoxy Primer or DuPont polyurethane or Tristar Coatings Inc. Epoxy Primer  Two (2) coats – Dry Film Thickness 3.0 – 4.0 mils	_____
10.28	Paint	<b>Required:</b> Polyurethane Colour: Black  Endura EX-2C or DuPont Polyurethane or Tristar Coatings Inc. Polyurethane  Two (2) coats: 3 - 5 mils Wet Film Thickness with a total combined overall average Dry Film Thickness of 4 – 6 mils  Note: Complete body (inside and outside) shall be painted	_____
<b>Fibreglass Service Body</b>			
10.29	Material	High impact resistant fiberglass <ul style="list-style-type: none"><li>• service body side packs</li><li>• compartments</li><li>• doors</li></ul>	_____
10.30	Compartment Layout	Each side of vehicle to have: <ul style="list-style-type: none"><li>• one (1) front vertical compartment</li><li>• one (1) horizontal compartment over the wheel well</li><li>• one (1) rear vertical compartment</li></ul> Rear of Vehicle: <ul style="list-style-type: none"><li>• Left (driver's) side of body to have one (1) rear hot stick door</li></ul>	_____

## General Dimensions

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

**Note:** Unless otherwise specified, all dimensions are in inches

10.31	Body Height	Approximately 40 in.	_____
10.32	Body Length	Approximately 132 in.	_____
10.33	Body Width	Approximately 90 in.	_____

## Compartment Layout, Left (Street) Side

10.34	Front Vertical Compartment	<ul style="list-style-type: none"> <li>• Approximately 60L x 40H x 18D</li> <li>• over-lapping barn style doors</li> <li>• no centre divider panel</li> </ul>	_____
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10.35	Horizontal Compartment	Approximately 46L x 20H x 18D	_____
10.36	Rear Vertical Compartment	<ul style="list-style-type: none"> <li>• Approximately 26L x 40H x 18D</li> <li>• 13 in. H rear hot stick door providing access to street pole storage tubes</li> </ul>	_____
10.37	Street Pole Storage Tubes	<p>The service body shall accommodate:</p> <ul style="list-style-type: none"> <li>• Qty nine (9)</li> <li>• 3 in. diameter x 114 in. Length PVC tubes</li> <li>• With a downward slope towards front</li> <li>• Tube ends fitted with stops to prevent poles from sliding through (both forwards and rearward)</li> <li>• The tubes shall be secured in place and designed to hold 120 in. L steel pipes with a total combined weight of approximately 200 lbs.</li> <li>• A heavy duty, rubber covered plate shall be installed at the tube ends to prevent the steel pipes from damaging the service body</li> </ul>	_____



### Compartment Layout, Right (Curb) Side

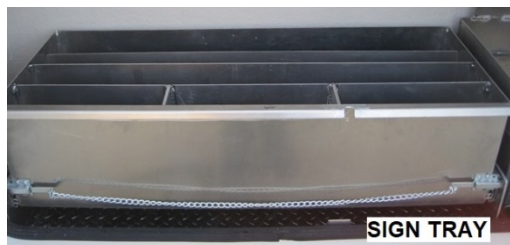
#### 10.38 Front Vertical Compartment

- Approximately 60L x 40H x 18D
- over-lapping barn style doors
- No centre divider panel



#### 10.39 Sign Tray Front Vertical Compartment

- One (1) 38 in. L approx. full depth, slide-out shelf
- Heavy duty sliders and shall allow the shelf to slide-out of the body in its entirety with a 36 x 30 sign in place.
- Shelf divided longitudinally into four (4) equally sized sections with 10 in. H divider panels.
- Handle required at front of shelf



#### 10.40 Horizontal Compartment

- Approximately 46L x 20H x 18D

10.41 Fastener Tray  
Horizontal Compartment

- Approximately 30L x 3H x 15D
- 1<sup>st</sup> compartment approximately 10L x 15D
- Remaining compartments approximately 4L x 7-1/2D



10.42 Wrench Hooks  
Horizontal Compartment

- Six (6) wrench hooks on each side wall



10.43 Rear Vertical Compartment

- Approximately 26L x 40H x 18D
- Compartment lined with heavy duty rubber on three (3) sides

10.44 Hooks  
Rear Vertical Compartment

- Two (2) hooks on each sidewall
- One (1) shovel hook centred on back wall



**Standards**

10.45 Compartment Floor  
Reinforcement

Front drivers side compartment and both rear vertical compartments shall be lined with a  $\frac{3}{16}$  in. steel plate covered with rubber matting


10.46 Compartment Floor Lining

Both horizontal compartments and front passenger side compartment shall be lined with Dri-Dek material

10.47 Drain Holes

All body compartments to include a  $\frac{1}{2}$  in. drain hole complete with plug

10.48	Door Latches	<ul style="list-style-type: none"><li>• Flush mounted with locks for all compartment doors</li><li>• All locks shall be keyed alike</li></ul>	_____
10.49	Compartment Door Handles	<ul style="list-style-type: none"><li>• Chrome plated or stainless steel paddle style handles</li><li>• Barn door handles which shall be chrome plated or stainless steel D-ring type</li></ul>	_____
10.50	Door Hinges And Latches	Chromed or stainless steel with adjustable striker plates	_____
10.51	Compartment Door Openings	Sealed using automotive type bulb gasket door seal	_____
10.52	Door Hold-Open Devices	<ul style="list-style-type: none"><li>• Over-centre door holders on front and rear compartments</li><li>• Detachable cables on horizontal compartments</li></ul>	_____
10.53	Rubber Bumpers	<ul style="list-style-type: none"><li>• Installed on the body below the horizontal compartments to prevent contact between the compartment door and the body</li><li>• Two (2) bumpers per door</li></ul>	_____
10.54	Wheel Well Area	<ul style="list-style-type: none"><li>• Shall incorporate a fibreglass or rubber fender flare</li><li>• Wheel Well panels are removable</li></ul>	_____
10.55	Drip Edge	<ul style="list-style-type: none"><li>• Installed along the full length of the body above the door openings</li><li>• Designed to prevent water from entering into the storage compartments</li></ul> <p><b>State:</b> method _____</p>	_____
10.56	Mud Flaps	<ul style="list-style-type: none"><li>• No name, fabric reinforced, black rubber mud flaps installed fore and aft of rear tires</li><li>• ½ in. diameter steel bar anti-sail brackets</li></ul>	_____
<b>Main Deck Assembly</b>			
10.57	Finish	All steel components of the Main Deck assembly including the Under Deck Compartments shall be primed and finished per specifications 10.26 through 10.28	_____
10.58	Deck	<ul style="list-style-type: none"><li>• <math>\frac{3}{16}</math> in. steel checker plate with an under deck storage compartment</li><li>• Rain lip or drip moulding to prevent water from entering into the storage compartment</li></ul>	_____

10.59	Deck Width	Approximately 54 in. between fibre glass side packs	_____
10.60	Under Deck Floor	1/8 in. steel plate	_____
10.61	Under Deck Compartment Tailgate	<ul style="list-style-type: none"> <li>• 3/16 in. aluminum construction</li> <li>• Fold-down type with heavy duty hinges</li> <li>• Chrome or stainless steel paddle style door handle and latch</li> <li>• Grease fitting required on each hinge</li> </ul>	_____
10.62	Under Deck Compartments	<ul style="list-style-type: none"> <li>• Qty three (3) complete with 1/8 in. thick steel dividers</li> <li>• Section dimensions from right to left as follows</li> </ul> <p><b>Note:</b> Widths are measured between wheel wells</p>	_____
10.63	Under Deck Compartment # 1	Approximately 106L x 7H x 19D	_____
10.64	Under Deck Compartment # 2	Approximately 73L x 7H x 16D	_____
10.65	Under Deck Compartment # 2 (Cut-a-Way Stand)	<ul style="list-style-type: none"> <li>• 3/16 in. steel plate</li> <li>• dimensions approximately 4H x 16D</li> <li>• Welded near rear of compartment space to prevent pipes/rods from rolling from side to side</li> <li>• The plate shall have qty three (3), 1/2 circles cut into the top of the plate where pipes/rods will rest</li> <li>• 1/2-circle cut-outs to be approximately 3 in. diameter</li> </ul>	_____
			
10.66	Under Deck Compartment # 3	Approximately 122L x 7H x remaining width	_____
10.67	Drain Holes	3/4 in. drain holes required at front of each under deck compartment	_____
10.68	Deck Sides	3/16 in. aluminum checker plate, extended full height up sides of fibreglass side packs	_____
10.69	Front Headboard	<ul style="list-style-type: none"> <li>• Aluminum construction</li> <li>• Expanded metal</li> <li>• Approximately 27H x width of vehicle</li> </ul>	_____
10.70	Kick Plate, Rear of Body	<ul style="list-style-type: none"> <li>• 3/16 in. aluminum checker plate</li> <li>• Full width below deck floor level</li> </ul>	_____

10.71 Kick Plate, Front

- $\frac{3}{16}$  in. aluminum checker plate to protect lower front area of body protruding past chassis cab
- Each side
- Approximately 8 in. kick plate height

10.72 Sign Storage Provision

- 1 in. square steel tubing construction
- Galvanized
- Approximately 38L x 15H x 10D
- No top portion required
- Mounted at right-front passenger side, inside of service body in deck area
- Three (3),  $\frac{3}{4}$  in. equally spaced drains holes required



10.73 Tailboard

- 6 in. high black poly board
- Mounted towards the front approximately 7 in. (i.e. towards cab) of the pipe vice
- Adequate cut-away for pipe to extend past body





10.74 Pipe Vice

- Ridgid BC 410, 1/8 in. – 4 in. Top Screw Bench Chain Vice
- Mounted on the driver's side rear corner of the deck
- Vice to be oriented so that an inserted pipe runs parallel to the vehicle length.



**Location to be determined at pre-production meeting**

10.75 Sealant

Deck sides and kick plates caulked along edges using elastomeric sealant

**Barricade Storage Brackets**

10.76 Construction

- Qty four (4) brackets required
- Two (2) per side
- Bolted to side packs
- Brackets shall consist of a 12 in. L x 2¼ square steel tube welded to a 3W x 5H x 3/16 steel bearing plate bolted to the side packs on the interior of the deck area.
- A height adjustable 16 in. L x 2" square steel tube shall insert into the larger steel tubing, height adjustable with a bolt system drilled through both tubes.
- Galvanized

Locations to be determined at pre-production meeting



### Catwalk Structure

10.77	Regulations (Railings)	Manitoba Workplace Safety and Health Regulation, MR 217/2006, Part 14 Fall Protection	_____
		Guard Rails must be:	
		(a) is at least 900 mm (35.5 in.) high and not more than 1,060 mm (42 in.) above the working surface, with an intermediate rail at between 450 and 530 mm (18 and 21 in.) above the working surface;	
		and	
		(b) is constructed and secured to resist a static load of 900 N in any direction in which the load may be applied at any point on the top rail and on any intermediate rail	
10.78	Construction	<ul style="list-style-type: none"><li>• 1 in. square steel tubing construction</li><li>• Wrap around the front, sides and partial rear of the body</li><li>• Incorporate stow-a-way or fold away features to prevent overhead vehicle hazards</li></ul>	_____
10.79	Finish	Galvanized	_____
10.80	Curb Side Railing	<ul style="list-style-type: none"><li>• 4 ft. swing-up</li><li>• Removable section with the pivot point located 7 ft. from the front of the body</li><li>• One (1) horizontal angle iron support located immediately above the horizontal compartment (for use as a hammering strip for bending metal banding material)</li></ul>	_____
10.81	Walkway	<ul style="list-style-type: none"><li>• Aluminum Grip Strut Safety Grating</li><li>• Installed to top of side packs</li><li>• Full length x full width<ul style="list-style-type: none"><li>• 4-Diamond + 3-Diamond Grip Strut</li></ul></li><li>• Bolt holes sealed as required</li></ul>	_____

10.82 Platform

- Curb and street side railing to incorporate a platform
- 1st Platform approximately 18D x 20L
  - 3-Diamond + 4-Diamond Grip Strut
- Approximately 18 in. above top of service body at rear corners
- 2<sup>nd</sup> Platform approximately 18D x 7L
  - 3-Diamond Grip Strut
- Approximately 9 in. above 1<sup>st</sup> platform
- Platforms shall have an aluminum grip strut surface and a railing above platform along two (2) sides



10.83 Mounting Bracket  
(Arrow Board)

Incorporate a mounting bracket or frame suitable for mounting a pair of Traffic Arrows at the rear of the body above the top of the compartment, one per side

**Rear Bumper and Hitch**

10.84 Rear Bumper

- Heavy duty step type bumper
- Tubular steel construction
- Galvanized
- Tapered at outer ends
- 12 in. steel grip strut surface
- Recess for a Pintle hitch mount
- Approximately 16 in. step height from ground

10.85 Auxiliary Step

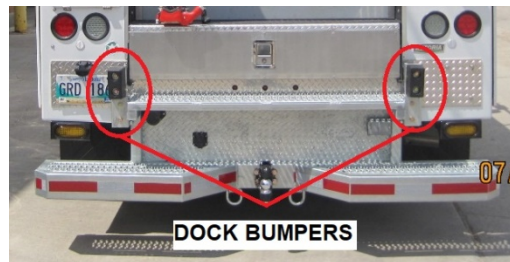
- Aluminum grip strut
- Approximately 7 in. L x full width of deck
- Located equidistant between bumper and deck level



Rear Bumper and Auxiliary Step

10.86 Dock Bumpers

- Rear mounted
- One (1) on each side of unit
- Vertically mounted to a heavy duty tubular steel frame welded to the rear of unit



**Exact mounting location to be determined at pre-production meeting**

10.87 Combination Hitch

Premier 150 w/2 in. ball.

**Exact mounting location to be determined at pre-production meeting**

10.88 Eye Bolt  
(Required for Trailer Safety Chains)

- One (1) each side of hitch
- Buyers Products B56730 or equal.

### Grab Handles

#### 10.89 Grab Handles

- Located for ergonomic access to deck
- Diameter 1-1/4 in. (32 mm) – 1-1/2 in. (38 mm)
- Spacing behind grab bars approximately 3 in. (76 mm)
- Slip resistant
- Bolt-on construction
- Primed and painted safety yellow

**Design and installation to be determined at a pre-production meeting**

### Running Boards

#### 10.90 Construction

Custom made:

- Extending entire length of underside of front and rear doors, each side.
- AGS 6061 aluminium grip strut, 9-1/2 x 2 x .08
- Inside kick plate shall consist of 1/8 aluminium checker plate
- Support brackets shall consist of 1 1/2 x 1 1/2 x 1/8 RC aluminium square tubing with 1/4 aluminium support plates.

#### 10.91 Mounting

- Cab steps to be mounted using the existing holes in the frame and body where applicable
- Use 3/8-16 nut inserts to secure the mounting brackets to the body



### Rear Fenders

#### 10.92 Rear Fenders

- Heavy Duty rear poly half-moon fenders complete with steel mounting hardware



### Trailer Equipment

#### 10.93 Trailer Connector

SAE J560 7-Way Flat trailer receptacle mounted and installed in rear bumper complete with all necessary wiring

**Note:** The cab and chassis will be supplied (unattached) with Ford OEM Trailer Plug Socket and Electric Trailer Brake Controller

**Installation to be determined at pre-production meeting**

### Back-Up Alarm

#### 10.94 Back-Up Alarm

- STAR model 99901
- Mounted between frame rails at rear of truck
- Located to be protected from damage and road spray

### Rear View Camera

#### 10.95 Rear View Camera

- The cab and chassis will be supplied (unattached) with a rear view camera
- Rear view camera prep kit to include camera, screen (or displayed in rear view mirror) mounting hardware and OEM wiring harness
- To be installed by body supplier

### Conspicuity Tape

#### 10.96 Conspicuity Tape

Truck-Lite 98127 or equal, affixed

### Grease Fittings

#### 10.97 Grease Fittings

**Required:**  
On tailgate release mechanisms, pivot points and drop-down side linkages

### Lighting and Electrical Standards

10.98	Conformance: <ul style="list-style-type: none"><li>• C.M.V.S.S.</li><li>• Manitoba Highway Traffic Act.</li><li>• City of Winnipeg Lighting Visibility Standard <a href="http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf">http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf</a></li></ul>	<hr/>
10.99	Lighting: <ul style="list-style-type: none"><li>• Supplier installed</li><li>• <b>High count</b> LED lighting</li></ul>	<hr/>
10.100	Visibility: <ul style="list-style-type: none"><li>• No clearance light shall protrude beyond the service body</li></ul>	<hr/>
10.101	Identification: <ul style="list-style-type: none"><li>• All dash mounted warning lights and switches to be identified with permanent, engraved type labels</li><li>• No labels to be located on upper surface of dash</li></ul>	<hr/>
10.102	All LED strobe lights shall be wired through the ignition, wired through a single OEM dash mounted switch or on the control panel enclosure, labelled "Strobes" with a permanent type, engraved style label	<hr/>
10.103	Connection System: <ul style="list-style-type: none"><li>• Weather Pack Sealed Connection System</li></ul>	<hr/>
10.104	Grommets: <ul style="list-style-type: none"><li>• Rubber grommets unless otherwise specified</li></ul>	<hr/>
10.105	Harnesses: <ul style="list-style-type: none"><li>• Harness system, properly routed and secured.</li><li>• All harnesses shall be internally grounded, no exceptions</li><li>• Colour coded or numbered</li></ul>	<hr/>
10.106	Junction box: <ul style="list-style-type: none"><li>• Complete with necessary compression fittings, required for all vehicle lighting harness connections</li><li>• Securely located – inside rear of truck frame</li><li>• Readily accessible for servicing</li></ul>	<hr/>
10.107	All Plug-In Connectors: <ul style="list-style-type: none"><li>• All plug-in connectors shall be coated with NYK compound prior to assembly.</li></ul>	<hr/>
10.108	Wiring: <ul style="list-style-type: none"><li>• All wiring to be colour coded, loomed and properly secured.</li><li>• All LED strobe lights shall be wired through the ignition, wired through a single OEM dash mounted switch or on the control panel enclosure, labelled "Strobes" with a permanent type, engraved style label</li></ul>	<hr/>
10.109	Electrical Connectors: <ul style="list-style-type: none"><li>• All electrical connectors to be crimped, soldered and then sealed using heat shrink tubing</li></ul>	<hr/>

10.110 Joining Of Wires:

- All joining of wires to be soldered and sealed using heat shrink tubing or approved OEM weather tight connections

**Note:** Crimp on electrical connectors for joining wires are not acceptable

10.111 Wiring Routing:

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

**Inverter**

10.112 Inverter

- CSA approved
- 110 Volt, 2500 Watts minimum
- Make: Xantrex
- Model: XPower 3000 Inverter
- Part Number: 813-3000-UL

**State:** make and model

10.113 Location

Upper right corner inside the passenger side front compartment.

**Location to be determined at pre-production meeting**

10.114 Wiring

- Wired through ignition through dash mounted inverter mfg. remote switch
- Labeled
- Inverter to be complete with suitable solenoid and battery isolator

10.115 Receptacle

- One (1) required
- Duplex receptacle
- Mounted at front of service body, passenger side
- Forward facing
- Mounted as high as practicable so as not to interfere with interior shelf positioning
- The receptacle shall be GFI, CSA approved
- Weatherproof type with hinged covers



**Location to be determined at pre-production meeting**



10.116 Deep Cycle Battery

- Group 31, approximately 900 CCA
- Mounted on a reinforced top shelf of the compartment

**Location to be determined at pre-production meeting**

10.117 Installation

All exposed inverter terminals shall be:

- Coated with a dielectric grease
- Completely covered with shrink wrap tubing or rubber fittings

**Lighting**

10.118 Mini Light Bar - Amber

- Whelen R2LPPA Series Amber LED Mini Light Bar
- Mounted to centre top of railing
- Protected by Branch Guard – heavy duty construction
- Mini Light Bar shall be wired through the ignition, wired through a single OEM dash mounted switch or on the control panel enclosure, labelled “Beacon” with a permanent type, engraved style label.
- Switch shall be capable of high/low mode.

**Location to be determined at pre-production meeting**

10.119 Amber Strobe Lights (Warning)

- Four (4) total
- Whelen 5GA00FAR
- Mounting grommets
- Two (2) located outside of 3-Light cluster, rear facing in rear kick plate
- Two (2) located on rails, side facing near front



**Locations to be determined at pre-production meeting**

10.120 Traffic Arrows

- SWS 67301
- 1 piece aluminum with 1-1/2 square frame
- Aluminum front and rear panels
- Approximate size – 44 in. H x 22 in. W x 3-3/8 in. D
- 10 dual optic, LED modules with half sun shade
- Six (6) flash patterns
- 20 ft. of cable per half
- In-cab controller SWS 77501 with 10A auxiliary port



10.121 Combination Turn/Stop And  
Taillights

- One (1) per side
- Truck-Lite 44302R with P/N 44710 mounting grommets
- Flash rate 70 – 90 fpm
- Flush mounted
- Mounted in rear of body at maximum practicable height

10.122 Back-Up Lights

- One (1) per side
- Truck-Lite 44206C with P/N 44710 mounting grommets
- Mounted in rear of body

10.123 3-Light Cluster

- Three (3)
- Truck-Lite 10250R with P/N 10403 mounting grommets

**Or**

- Truck-Lite 3-Lamp ID Light Assembly 33740R
- Located to protect from damage above auxiliary step

**Locations to be determined at pre-production meeting**

10.124	Clearance Lights	Truck-Lite 10250R and 10250Y with P/N 10403 mounting grommets.	_____
		<b>Or</b>	
		Truck-Lite 33250R and 33250Y with P/N 33720 grommets	
		<b>Note:</b> shall not protrude beyond the service body	
10.125	License Plate Light	Complete with license plate bracket P/N Truck-Lite 15040 (Light)	_____
10.126	Harness	<ul style="list-style-type: none"><li>• Truck-Lite 50 Series or equivalent harness system</li><li>• Properly routed</li><li>• Internally grounded</li><li>• Secured</li></ul>	_____
10.127	Compartment Lights	<ul style="list-style-type: none"><li>• LED continuous “rope” style lighting in all service body compartments</li><li>• Properly secured to prevent damage</li><li>• Wired through ignition and through chassis manufacturer’s OEM dash mounted switch</li><li>• Labelled “Bin Lights”</li></ul>	_____
10.128	Work Lights	<ul style="list-style-type: none"><li>• Four (4) Truck-Lite P/N 80395 total</li><li>• Two (2) rear facing one on each side of front railing</li><li>• Two (2) front facing one on each side of sign board brackets</li><li>• Work lights to be wired through the ignition, wired through a single OEM dash mounted switch</li><li>• Labelled “Work Lights”</li></ul> <b>Locations to be determined at pre-production meeting</b>	_____

11.0 **WARRANTY:**

11.1 All warranty information shall be detailed and **include all exclusions.** \_\_\_\_\_

The Contractor shall provide all published warranty information upon delivery of the equipment.

Bidder shall state all warranty information.

11.2 Body **State:** \_\_\_\_\_

12.0 **DELIVERY:**

12.1 **Delivery Point:**

The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.V.I.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB.

12.2 **Delivery Time:**

Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.

**State:** earliest delivery time from date of chassis delivery: \_\_\_\_\_

12.3 **Delivery Contact:**

The Contractor shall contact the Contract Administrator prior to delivery of the equipment.

12.4 **P.D.I:**

A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list

13.0 **MANUALS:**

13.1 **Operator's Manual:**

One (1) per unit shall be supplied with the units when delivered

14.0 **PARTS/LABOUR PRICING:**

14.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount**

14.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount**

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

15.1 In order to assure minimum downtime of the Equipment in future service, the Contractor must provide one (1) complete replacement set of new OEM filters for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing.

15.2 The Contractor must provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during Preventative Maintenance servicing.

## FORM N: DETAILED SPECIFICATIONS 19025

### **SERVICE BODY**

#### **1.0 DESCRIPTION OF EQUIPMENT**

- 1.1 These specifications describe the supply and installation of **Service Body** and other equipment and features as specified herein.
- 1.2 The **Service Body** shall be a new 2019 model year or newer.
- 1.3 The **Service Body** and all other items/components shall be the manufacturer's latest model. The equipment shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the equipment and associated attachments in successful operation shall be furnished as though specifically mentioned in these specifications. The equipment and associated attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.
- 1.4 It will be the responsibility of the Bidder to inform the City of any errors or omissions in these specifications, for under this Contract the Contractor shall be held responsible for the satisfactory operational function of the equipment.

#### **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 Where applicable, the **Service Body** shall comply with the applicable regulations:

Transport Canada, National Safety Mark, NSM:  
<http://www.tc.gc.ca/eng/acts-regulations/acts-road.htm>

Manitoba Safety and Health Regulation, Parts 12, 16, 22:  
<http://web2.gov.mb.ca/laws/regs/current/217.06.pdf>

Canadian Motor Vehicle Safety Standards C.M.V.S.S.  
[http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,\\_c.\\_1038/section-sched3.html](http://laws-lois.justice.gc.ca/eng/regulations/C.R.C.,_c._1038/section-sched3.html)

Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection with Safety Sticker.  
<http://web2.gov.mb.ca/laws/regs/index.php?act=h60>

Canadian Standards Association, CSA:  
<http://www.csagroup.org/>

Under Writers of Canada, U/L:  
<http://www.ulc.ca/>

Society of Automotive Engineers, SAE:  
<http://www.sae.org/>

City of Winnipeg Lighting Visibility Standard:  
<http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>

Manitoba Building Code:  
[https://web2.gov.mb.ca/laws/regs/current/\\_pdf-regs.php?reg=31/2011](https://web2.gov.mb.ca/laws/regs/current/_pdf-regs.php?reg=31/2011)

2.3 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 units.

2.4 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: \_\_\_\_\_

### **3.0 SERVICE FACILITY**

3.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. 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.

### **4.0 REFERENCES**

4.1 If available, please provide five (5) references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.

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### **5.0 MAKE & MODEL**

5.1 **State** year, make and model being bid: \_\_\_\_\_

### **6.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS**

6.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.

6.2 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 and/or equivalents shall be clearly stated and fully detailed. Deviations and/or equivalents will be considered subject to evaluation. In every instance where a brand name or design specification is used, the City will also consider deviations and/or equivalents.

6.3 **EACH BIDDER IS REQUIRED TO FILL IN EVERY BLANK. FAILURE TO DO SO MAY BE USED AS A BASIS FOR REJECTION OF BID**

### **7.0 PERFORMANCE RELIABILITY**

7.1 The responsibility for the design of the **Service Body** its performance and reliability shall rest upon the Contractor.

7.2 The term "repeated failures" as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the vehicle inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, of 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 schedule.

7.3 Where the **Service Body** develops "repeated failures" in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

7.4 The equipment shall be capable of consistent top performance in City of Winnipeg Environment.  
**Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C).**

## 8.0 **FUEL**

8.1 Where applicable, all equipment must be fully fueled upon delivery (no exceptions).

## 9.0 **QUALIFICATIONS OF MANUFACTURER & CONTRACTOR**

9.1 The manufacturer of the **Service Body** shall have five (5) years continuous experience manufacturing **Service Body**.

9.2 The manufacturer shall have in effect a documented quality control program ensuring that the quality of materials and workmanship, including welding, conforms to the best standards and engineering practice of the industry.

9.3 The Contractor shall have five (5) years continuous experience servicing, repairing and maintaining **Service Body** of the type being offered.

## 10.0 **SPECIFICATIONS:**

### **Performance**

10.1 The Service Body shall be capable of consistent top performance for loading and hauling varying payloads year-round in conditions normal to the City of Winnipeg \_\_\_\_\_

### **Note:**

The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 90°F (32°C) to -40°F (-40°C)

### **Make and Model**

10.2 Make **State:** \_\_\_\_\_

10.3 Model **State:** \_\_\_\_\_

### **Body Weight**

10.4 Body Weight **State:** estimated weight of body \_\_\_\_\_

### **Weigh Scale Ticket**

10.5 Weigh Scale Ticket: \_\_\_\_\_

The Contractor shall provide a certified weigh scale ticket upon delivery of the completed unit. The scale ticket shall include front and rear axle weights including two (2) operators, all attachments and full of fuel.

## Installation

- 10.6 The Contractor shall install the bodies on the following City owned cab & chassis vehicles: \_\_\_\_\_

### Insect Control:

#### **2019 Ford F-550 One (1) Required**

- 19,500 lbs. GVWR
- Crew Cab
- 60 in. CA
- 4WD
- 6.7 L, Diesel engine
- TorqShift® 6-Spd. Automatic
- Horizontal discharge exhaust

WFMA Vehicle Unit Number(s):

- 2129300

- 10.7 Availability The chassis will be available during the fourth quarter of 2019 \_\_\_\_\_
- 10.8 Pick-Up
- The Contractor shall be responsible for picking-up the cab & chassis vehicles from the City upon commencement of the Contract
  - The vehicles will be available for pick-up at the Winnipeg Fleet Management Agency, 185 Tecumseh St., Winnipeg, Manitoba
  - Pick-up times will be between 8:00 am and 2:00 pm on any Business Day.
  - The Contractor shall be responsible for any related fuel and Insurance costs to and from their facility
- Note:** The vehicles will be fully fuelled at the time of pick-up by the Contractor
- 10.9 Clearance Clearance between dump body and back of truck cab shall be a minimum 3 in. in accordance with the Cab & Chassis Incomplete Vehicle Manual \_\_\_\_\_
- 10.10 Tire Clearance Body shall provide for approximately 4 in. clearance with rear springs fully loaded \_\_\_\_\_
- 10.11 Not-Permitted
- Drilling on chassis frame flanges
  - Welding on the chassis frame
- \_\_\_\_\_



10.12	Holes	<ul style="list-style-type: none"> <li>Holes in the chassis frame web shall be drilled and reamed to fit bolts</li> <li>Holes required to run wires through shall be drilled (not punched), grommeted and sealed as required</li> </ul>	_____
10.13	Isolators	<ul style="list-style-type: none"> <li>All interfaces between aluminium and steel are to be separated by an approximately <math>\frac{1}{16}</math> in. thick rubber or neoprene sheet</li> <li>Shall be bolted through with stainless steel bolts and non-conductive bushings</li> </ul>	_____
10.14	Mounting	Mounting of the body shall be in accordance with the chassis manufacturer's guidelines for body mounting, including but not limited to, guidelines for tire and suspension clearance and fuel filler installation	_____
10.15	Mounting	<ul style="list-style-type: none"> <li>The fibreglass side packs shall be mounted to the steel deck using cadmium plated carriage bolts and fender washers</li> <li>Bearing plates shall be used in high stress areas</li> </ul>	_____
10.16	Mounting Brackets	Shall be bolted to chassis frame using Grade-8 fasteners	_____
10.17	Departure Angle	State: departure angle of completed unit	_____
10.18	Diagram and Description	<p>The Bidder shall submit within three (3) Business Days of a request by the Contract Administrator:</p> <p>Diagram and description showing the body manufacturer's recommended body and deck to chassis mount</p>	_____
<b>Welding Standards</b>			
10.19	Welds	Continuous welds	_____
10.20	Standard	CSA Standard W47.1-30 and W59-03	_____
10.21	Weld Spatter	Weld spatter to be removed prior to finish	_____
10.22	Not-Permitted	Welding on the chassis frame	_____
<b>Finish</b>			
10.23	Fibreglass	Fibreglass service body gel coat colour impregnated to match chassis cab colour	_____
10.24	Aluminum Components	Unfinished	_____

10.25	Deck	Deck surface properly cleaned and coated with: <ul style="list-style-type: none"><li>• Rust-Oleum AS5400 Anti-Slip Floor Covering</li><li>• Black</li></ul>	_____
10.26	Preparation	All steel components unless otherwise noted in these specifications shall be sandblasted, properly cleaned, primed and finished with the Endura, DuPont or Tristar paint process	_____
10.27	Primer	<b>Required:</b> Epoxy or Polyurethane primer  Endura EP321 Intermix Epoxy Primer or DuPont polyurethane or Tristar Coatings Inc. Epoxy Primer  Two (2) coats – Dry Film Thickness 3.0 – 4.0 mils	_____
10.28	Paint	<b>Required:</b> Polyurethane Colour: Black  Endura EX-2C or DuPont Polyurethane or Tristar Coatings Inc. Polyurethane  Two (2) coats: 3 - 5 mils Wet Film Thickness with a total combined overall average Dry Film Thickness of 4 – 6 mils  Note: Complete body (inside and outside) shall be painted	_____
<b>Fibreglass Service Body</b>			
10.29	Material	High impact resistant fiberglass <ul style="list-style-type: none"><li>• service body side packs</li><li>• compartments</li><li>• doors</li></ul>	_____
10.30	Compartment Layout	Each side of vehicle to have: <ul style="list-style-type: none"><li>• one (1) front vertical compartment</li><li>• one (1) horizontal compartment over the wheel well</li><li>• one (1) rear vertical compartment</li></ul>	_____

### General Dimensions

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

**Note:** Unless otherwise specified, all dimensions are in inches

10.31	Body Height	Approximately 40 in.	_____
10.32	Body Length	Approximately 107 in.	_____
10.33	Body Width	Approximately 94 in.	_____
10.34	Deck Width	Approximately 54 in.	_____
10.35	Compartment Depth	Approximately 20 in.	_____

### Compartment Layout, Street Side


10.36	Front Vertical Compartment	<ul style="list-style-type: none"> <li>• Approximately 35L x 40H x 20D</li> <li>• Single door</li> <li>• Rear of compartment to be closed off from transverse compartment</li> </ul>	_____
10.37	Shelves Front Vertical Compartment	<ul style="list-style-type: none"> <li>• Qty two (2) height adjustable shelves</li> <li>• Full length x depth of compartment</li> <li>• Aluminum</li> </ul>	_____
10.38	Horizontal Compartment	Approximately 44L x 20H x 20D	_____
10.39	Slide Out Parts Trays Horizontal Compartment	<ul style="list-style-type: none"> <li>• Qty four (4)</li> <li>• Each tray approximately 4 in. H</li> <li>• Full length x depth of compartment</li> <li>• Aluminum</li> </ul>	_____
10.40	Rear Vertical Compartment	<ul style="list-style-type: none"> <li>• Approximately 28L x 40H x 20D</li> <li>•</li> </ul>	_____
10.41	Shelf Rear Vertical Compartment	<ul style="list-style-type: none"> <li>• Qty one (1) height adjustable shelf</li> <li>• Full length x depth of compartment</li> <li>• Designed to hold aerosol cans, paint cans, cleaners etc.</li> <li>• Aluminum</li> </ul>	_____

**Note:** Final configuration and design to be determined at pre-production meeting

### Compartment Layout, Curb Side

10.42	Front Vertical Compartment	<ul style="list-style-type: none"> <li>• Approximately 60L x 40H x 18D</li> <li>• Single door</li> </ul>	_____
10.43	Transverse Section	<ul style="list-style-type: none"> <li>• Extend the depth of the compartment to approximately 74 in.</li> <li>• Structurally sound to carry the weight of an air compressor tank or similar equipment</li> </ul>	_____

10.44	Slide Out Drawers Front Vertical Compartment	<ul style="list-style-type: none"><li>• Qty two (2)</li><li>• Approximately 30L x 4H x 70D</li><li>• Aluminum</li><li>• Rated for 250 lbs.</li><li>• Drawers to divided into three (3) compartments across and fifteen (15) compartments deep</li><li>• Dividers to be removable</li><li>• Drawers to slide out full length on heavy duty sliders</li><li>•</li></ul>	_____
10.45	Horizontal Compartment	<ul style="list-style-type: none"><li>• Approximately 46L x 20H x 20D</li></ul>	_____
10.46	Shelf Horizontal Compartment	<ul style="list-style-type: none"><li>• Qty one (1)</li><li>• Permanently fastened at mid-point</li><li>• Aluminum</li></ul>	_____
10.47	Tray Horizontal Compartment	<ul style="list-style-type: none"><li>• Qty one (1)</li><li>• Approximately 42L x 3H x 17D</li><li>• Aluminum</li><li>• Removable</li><li>• Complete with removable dividers</li></ul>	_____
10.48	Rear Vertical Compartment	<ul style="list-style-type: none"><li>• Approximately 28L x 40H x 20D</li><li>• Compartment lined with heavy duty rubber on three (3) sides</li></ul>	_____
10.49	Tool Organizer Board Rear Vertical Compartment	<p>Tool organizer board complete with hooks, storage pouches and drop-in loops required for hanging tools etc.</p> <p><b>Note:</b> Final configuration and design to be determined at pre-production meeting</p>	_____
<b>Standards</b>			
10.50	Compartment Floor Reinforcement	All compartments floors shall be lined with a $\frac{3}{16}$ in. aluminum plate	_____
10.51	Compartment Floor Lining	All compartments shall be lined with Dri-Dek material	_____
10.52	Drain Holes	All body compartments to include a $\frac{1}{2}$ in. drain hole complete with plug	_____
10.53	Door Latches	<ul style="list-style-type: none"><li>• Flush mounted with locks for all compartment doors</li><li>• All locks shall be keyed alike</li></ul>	_____

10.54	Master Auto Locking System	<ul style="list-style-type: none"> <li>• Auto locking system</li> <li>• Actuated by chassis key FOBs and interior truck OEM lock/unlock switch</li> <li>• Manual key back-up to lock and unlock doors in case of electronic failure</li> </ul>	_____
			
10.55	Compartment Door Handles	Chrome plated or stainless steel paddle style handles	_____
10.56	Door Hinges And Latches	Chromed or stainless steel with adjustable striker plates	_____
10.57	Compartment Door Openings	Sealed using automotive type bulb gasket door seal	_____
10.58	Door Hold-Open Devices	<ul style="list-style-type: none"> <li>• Over-centre door holders on front and rear compartments</li> <li>• Detachable vinyl-coated aircraft cable on horizontal compartments</li> </ul>	_____
10.59	Rock Guards	Aluminum checker plate rock guards on front corners of service body	_____
10.60	Rubber Bumpers	<ul style="list-style-type: none"> <li>• Installed on the body below the horizontal compartments to prevent contact between the door and the body</li> <li>• Rubber bumpers to be installed to prevent contact between vertical doors and body</li> <li>• Two (2) bumpers per door</li> </ul>	_____
10.61	Wheel Well Area	<ul style="list-style-type: none"> <li>• Shall incorporate a fibreglass or rubber fender flare</li> <li>• Wheel Well panels are removable</li> </ul>	_____
10.62	Drip Edge	<ul style="list-style-type: none"> <li>• Installed along the full length of the body above the door openings</li> <li>• Designed to prevent water from entering into the storage compartments</li> </ul>	_____
		<b>State:</b> method _____	
10.63	Mud Flaps	<ul style="list-style-type: none"> <li>• No name, fabric reinforced, black rubber mud flaps installed fore and aft of rear tires</li> <li>• ½ in. diameter steel bar anti-sail brackets</li> </ul>	_____

**Main Deck Assembly**

10.64	Deck	$\frac{3}{16}$ in. aluminum checker plate	_____
10.65	Finish	Deck surface properly cleaned and coated with: <ul style="list-style-type: none"><li>• Rust-Oleum AS5400 Anti-Slip Floor Covering</li><li>• Black</li></ul>	_____
10.66	Deck Width	Approximately 54 in. between fibre glass side packs	_____
10.67	Tailgate	<ul style="list-style-type: none"><li>• <math>\frac{3}{16}</math> in. aluminum construction</li><li>• Approximately 12 in. H</li><li>• Fold-down type with heavy duty hinges</li><li>• Chrome or stainless steel paddle style door handle and latch</li><li>• Grease fitting required on each hinge</li></ul>	_____
10.68	Deck Sides and Top	<ul style="list-style-type: none"><li>• <math>\frac{1}{8}</math> in. aluminum checker plate, extended full height of side packs and wrapped over the top of side pack</li></ul>	_____
10.69	Front Headboard	<ul style="list-style-type: none"><li>• Aluminum construction</li><li>• Expanded metal</li><li>• Approximately 27 in. H x width of vehicle</li></ul>	_____
10.70	Kick Plate, Rear of Body	<ul style="list-style-type: none"><li>• <math>\frac{3}{16}</math> in. aluminum checker plate</li><li>• Full width below deck floor level</li></ul>	_____
10.71	Kick Plate, Front	<ul style="list-style-type: none"><li>• <math>\frac{1}{8}</math> in. aluminum checker plate to protect lower front area of body protruding past chassis cab</li><li>• Each side</li><li>• Approximately 8 in. kick plate height</li></ul>	_____
10.72	Sealant	Deck sides and kick plates caulked along edges using elastomeric sealant	_____

## Rear Bumper and Hitch

### 10.73 Rear Bumper

- Heavy duty step type bumper
- Tubular steel construction
- Galvanized
- Tapered at outer ends
- 12 in. steel grip strut surface (5-Diamond)
- Recess for a hitch plate with mounting holes
- Approximately 16 in. step height from ground



**Final design to be determined at pre-production meeting**

### 10.74 Dock Bumpers

- Rear mounted
- One (1) on each side of unit
- Vertically mounted to a heavy duty tubular steel frame welded to the rear of unit

**Exact mounting location to be determined at pre-production meeting**

### 10.75 Bolt-on Receiver Tube

- Bolt-on Receiver Tube
- 2 in. with 5/8 hitch pin
- Adjustable on hitch plate

**Exact mounting height to be determined at pre-production meeting**

### 10.76 Eye Bolt (Required for Trailer Safety Chains)

- Qty three (3) required
- One (1) each side of hitch
- One (1) for trailer break-away cable
- Buyers Products B56730 or equal

**Trailer break-away cable eye bolt mounting location to be determined at pre-production meeting**

### Trailer Equipment

10.77	Trailer Connector	SAE J560 7-Way Flat trailer receptacle mounted and installed in rear bumper complete with all necessary wiring	_____
		<b>Note:</b> The cab and chassis will be supplied (unattached) with Ford OEM Trailer Plug Socket and Electric Trailer Brake Controller	
		<b>Installation to be determined at pre-production meeting</b>	
<b>Under Hood Air Compressor</b>			
10.78	Air Compressor	<ul style="list-style-type: none"><li>• VMAC 70 Underhood 70 Air Compressor</li><li>• Output up to 70 CFM @ 100 psi</li><li>• Belt driven</li><li>• Rotary screw</li><li>• Compatible with supplied vehicle</li></ul>	_____
10.79	Air/Oil Separator Tank	<ul style="list-style-type: none"><li>• aluminum construction</li><li>• tank drain valve</li><li>• mounted along frame rail</li></ul>	_____
		<b>Mounting location to be determined at pre-production meeting</b>	
10.80	Cooler	<ul style="list-style-type: none"><li>• Liquid to liquid</li><li>• Integrated into vehicle's cooling system</li><li>• Mounted below radiator</li></ul>	_____
10.81	Controls	<ul style="list-style-type: none"><li>• LCD display</li><li>• Mounted in cab</li></ul>	_____
		<b>Mounting location to be determined at pre-production meeting</b>	
10.82	Filter Regulator Lubricator (FRL)	<ul style="list-style-type: none"><li>• Adjustable</li><li>• Maximum flow: up to approximately 70 CFM / 150 psi</li></ul>	_____
10.83	Hose Reel	<ul style="list-style-type: none"><li>• ½ in. x 50 ft. Hose Reel</li><li>• Deck mounted</li></ul>	_____
		<b>Mounting location to be determined at pre-production meeting</b>	
10.84	Service Kit	Supplied 200 Hours or 6 months service kit	_____





### Water Tank

10.85	Capacity	Approximately 25 Imp Gal (113 L)	_____
10.86	Type	<ul style="list-style-type: none"> <li>• Sprayer Parts No. 7720</li> <li>• U/V Stabilized Polyethylene</li> <li>• Semi-transparent</li> </ul>	_____
10.87	Configuration	<ul style="list-style-type: none"> <li>• Round or oval</li> <li>• Molded-in legs</li> </ul> <p><b>Note:</b> Tank must fit in back of vehicle between body side packs</p>	_____
10.88	Size	<p>Approximately 23 in Dia. x 18 in. Length</p> <p><b>State:</b></p> <p><b>Note:</b> Tank must fit in back of vehicle between body side packs</p>	_____
10.89	Installation	<p>Mounted to a frame which is permanently attached to the deck</p> <p><b>Installation to be determined at pre-production meeting</b></p>	_____
10.90	Lid Size	<p>Approximately 6 in.</p> <p><b>State:</b></p>	_____
10.91	Outlet Fitting	<p><b>Required:</b></p> <ul style="list-style-type: none"> <li>• At bottom of tank</li> <li>• Round</li> </ul>	_____
10.92	Support Bands	<p><b>Required:</b></p> <p>Rated for full-load tank capacity</p>	_____
10.93	Liquid Surge Stabilizers	<p><b>Required:</b></p>	_____

10.94	Water Pump	<ul style="list-style-type: none"><li>• Everflo EF3000</li><li>• Diaphragm Pump</li><li>• 12V</li><li>• 3.0 GPM flow</li><li>• In-line fuse protection</li><li>• Automatic shut-off</li></ul>	_____
10.95	Hose Reel	<ul style="list-style-type: none"><li>• Reelcraft SWA3850 OLP</li><li>• Retractable</li><li>• 5/8 in. x 50 ft. hose included</li><li>• Hose I.D. = 5/8 in.</li><li>• Hose O.D. = 3/4 in.</li><li>• Corrosion proof polypropylene</li></ul> <p><b>Mounting location to be determined at pre-production meeting</b></p>	_____
10.96	On / Off Switch	<p>Required and located in auxiliary switch in-cab or curb side front vertical compartment</p> <p><b>Location and type of switch to be determined at pre-production meeting</b></p>	_____
	<b>Grab Handles</b>		
10.97	Grab Handles	<ul style="list-style-type: none"><li>• Located for ergonomic access to deck</li><li>• Diameter 1-1/4 in. (32 mm) – 1-1/2 in. (38 mm)</li><li>• Spacing behind grab bars approximately 3 in. (76 mm)</li><li>• Slip resistant</li><li>• Bolt-on construction</li><li>• Primed and painted safety yellow</li></ul> <p><b>Design and installation to be determined at a pre-production meeting</b></p>	_____
	<b>Running Boards</b>		
10.98	Construction	<p>Custom made:</p> <ul style="list-style-type: none"><li>• Extending entire length of underside of front and rear doors, each side.</li><li>• AGS 6061 aluminium grip strut, 9-1/2 x 2 x .08</li><li>• Inside kick plate shall consist of 1/8 aluminium checker plate</li><li>• Support brackets shall consist of 1 1/2 x 1 1/2 x 1/8 RC aluminium square tubing with 1/4 aluminium support plates.</li></ul>	_____
10.99	Mounting	<ul style="list-style-type: none"><li>• Cab steps to be mounted using the existing holes in the frame and body where applicable</li><li>• Use 3/8-16 nut inserts to secure the mounting brackets to the body</li></ul>	_____



### Rear Fenders

10.100 Rear Fenders

- Heavy Duty rear poly half-moon fenders complete with steel mounting hardware



### Winch

10.101 Winch Mount - Front and Rear

- Winch mount system installed at the base of the front bumper frame
- Rear winch mount installed for moving the winch location
- Receiver tube with 12 Volt Quick-Connect Cables

10.102 Winch System

- Buyers Product 5571200
- IP68-rated, waterproof and submersible
- Heavy-duty approximately 12,000 lb. capacity
- 12 V
- 100' of 3/8 in. galvanized cable
- Operate from inside or outside
- Handheld remote control pendant with 12 ft. of cord

**State:** make and model

### Back-Up Alarm

10.103 Back-Up Alarm

- STAR model 99901
- Mounted between frame rails at rear of truck
- Located to be protected from damage and road spray

### Rear View Camera

- |        |                  |  |       |
|--------|------------------|--|-------|
| 10.104 | Rear View Camera | <ul style="list-style-type: none"><li>• The cab and chassis will be supplied (unattached) with a rear view camera</li><li>• Rear view camera prep kit to include camera, screen (or displayed in rear view mirror) mounting hardware and OEM wiring harness</li><li>• To be installed by body supplier</li></ul> | _____ |
|--------|------------------|--|-------|

### Conspicuity Tape

- |        |                  |                                    |       |
|--------|------------------|------------------------------------|-------|
| 10.105 | Conspicuity Tape | Truck-Lite 98127 or equal, affixed | _____ |
|--------|------------------|------------------------------------|-------|

### Grease Fittings

- |        |                 |  |       |
|--------|-----------------|--|-------|
| 10.106 | Grease Fittings | <b>Required:</b><br>On tailgate release mechanisms, pivot points and drop-down side linkages | _____ |
|--------|-----------------|--|-------|

### Lighting and Electrical Standards

- |        |   |       |
|--------|---|-------|
| 10.107 | Conformance: <ul style="list-style-type: none"><li>• C.M.V.S.S.</li><li>• Manitoba Highway Traffic Act.</li><li>• City of Winnipeg Lighting Visibility Standard<br/><a href="http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf">http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf</a></li></ul> | _____ |
| 10.108 | Lighting: <ul style="list-style-type: none"><li>• Supplier installed</li><li>• <b>High count</b> LED lighting</li></ul>   | _____ |
| 10.109 | Visibility: <ul style="list-style-type: none"><li>• No clearance light shall protrude beyond the service body</li></ul>   | _____ |
| 10.110 | Identification: <ul style="list-style-type: none"><li>• All dash mounted warning lights and switches to be identified with permanent, engraved type labels</li><li>• No labels to be located on upper surface of dash</li></ul>   | _____ |
| 10.111 | All LED strobe lights shall be wired through the ignition, wired through a single OEM dash mounted switch or on the control panel enclosure, labelled "Strobes" with a permanent type, engraved style label   | _____ |
| 10.112 | Connection System: <ul style="list-style-type: none"><li>• Weather Pack Sealed Connection System</li></ul>  | _____ |
| 10.113 | Grommets: <ul style="list-style-type: none"><li>• Rubber grommets unless otherwise specified</li></ul>  | _____ |
| 10.114 | Harnesses: <ul style="list-style-type: none"><li>• Harness system, properly routed and secured.</li><li>• All harnesses shall be internally grounded, no exceptions</li><li>• Colour coded or numbered</li></ul>  | _____ |

10.115	Junction box:		_____
	<ul style="list-style-type: none"><li>• Complete with necessary compression fittings, required for all vehicle lighting harness connections</li><li>• Securely located – inside rear of truck frame</li><li>• Readily accessible for servicing</li></ul>		
10.116	All Plug-In Connectors:		_____
	<ul style="list-style-type: none"><li>• All plug-in connectors shall be coated with NYK compound prior to assembly</li></ul>		
10.117	Wiring:		_____
	<ul style="list-style-type: none"><li>• All wiring to be colour coded, loomed and properly secured</li><li>• All LED strobe lights shall be wired through the ignition, wired through a single OEM dash mounted switch or on the control panel enclosure, labelled “Strobes” with a permanent type, engraved style label</li></ul>		
10.118	Electrical Connectors:		_____
	<ul style="list-style-type: none"><li>• All electrical connectors to be crimped, soldered and then sealed using heat shrink tubing</li></ul>		
10.119	Joining Of Wires:		_____
	<ul style="list-style-type: none"><li>• All joining of wires to be soldered and sealed using heat shrink tubing or approved OEM weather tight connections</li></ul>		
	<b>Note:</b> Crimp on electrical connectors for joining wires are not acceptable		
10.120	Wiring Routing:		_____
	<ul style="list-style-type: none"><li>• Any holes required to run wires through shall be drilled (not punched), grommited and sealed</li></ul>		
	<b>Inverter</b>		
10.121	Inverter	<ul style="list-style-type: none"><li>• CSA approved</li><li>• 110 Volt, 2500 Watts minimum</li><li>• Make: Xantrex</li><li>• Model: XPower 3000 Inverter</li><li>• Part Number: 813-3000-UL</li></ul>	_____
		<b>State:</b> make and model	
10.122	Location	Upper right corner inside the passenger side front compartment.	_____
		<b>Location to be determined at pre-production meeting</b>	
10.123	Wiring	<ul style="list-style-type: none"><li>• Wired through ignition through dash mounted inverter mfg. remote switch</li><li>• Labeled</li><li>• Inverter to be complete with suitable solenoid and battery isolator</li></ul>	_____

10.124 Receptacle

- One (1) required
- Duplex receptacle
- Mounted at front of service body, passenger side
- Forward facing
- Mounted as high as practicable so as not to interfere with interior shelf positioning
- The receptacle shall be GFI, CSA approved
- Weatherproof type with hinged covers



**Location to be determined at pre-production meeting**

10.125 Deep Cycle Battery

- Group 31, approximately 900 CCA
- Mounted on a reinforced top shelf of the compartment

**Location to be determined at pre-production meeting**

10.126 Installation

- All exposed inverter terminals shall be:
- Coated with a dielectric grease
  - Completely covered with shrink wrap tubing or rubber fittings

**Lighting**

10.127 Mini Light Bar - Amber

- Whelen R2LPPA Series Amber LED Mini Light Bar
- Mounted to centre top of railing
- Protected by Branch Guard – heavy duty construction
- Mini Light Bar shall be wired through the ignition, wired through a single OEM dash mounted switch or on the control panel enclosure, labelled “Beacon” with a permanent type, engraved style label
- Switch shall be capable of high/low mode

**Location to be determined at pre-production meeting**

10.128	Amber Strobe Lights (Warning)	<ul style="list-style-type: none"><li>• Two (2)</li><li>• Whelen 5GA00FAR</li><li>• Mounting grommets</li><li>• Located outside of 3-Light cluster, rear facing in rear kick plate</li></ul> <p><b>Locations to be determined at pre-production meeting</b></p>	_____
10.129	Combination Turn/Stop And Taillights	<ul style="list-style-type: none"><li>• One (1) per side</li><li>• Truck-Lite 44302R with P/N 44710 mounting grommets</li><li>• Flash rate 70 – 90 fpm</li><li>• Flush mounted</li><li>• Mounted in rear of body at maximum practicable height</li></ul>	_____
10.130	Back-Up Lights	<ul style="list-style-type: none"><li>• One (1) per side</li><li>• Truck-Lite 44206C with P/N 44710 mounting grommets</li><li>• Mounted in rear of body</li></ul>	_____
10.131	3-Light Cluster	<ul style="list-style-type: none"><li>• Three (3)</li><li>• Truck-Lite 10250R with P/N 10403 mounting grommets</li></ul> <p><b>Or</b></p> <ul style="list-style-type: none"><li>• Truck-Lite 3-Lamp ID Light Assembly 33740R</li><li>• Located to protect from damage</li></ul> <p><b>Locations to be determined at pre-production meeting</b></p>	_____
10.132	Clearance Lights	Truck-Lite 10250R and 10250Y with P/N 10403 mounting grommets. <p><b>Or</b></p> <p>Truck-Lite 33250R and 33250Y with P/N 33720 grommets</p> <p><b>Note:</b> shall not protrude beyond the service body</p>	_____
10.133	License Plate Light	Complete with license plate bracket P/N Truck-Lite 15040 (Light)	_____
10.134	Harness	<ul style="list-style-type: none"><li>• Truck-Lite 50 Series or equivalent harness system</li><li>• Properly routed</li><li>• Internally grounded</li><li>• Secured</li></ul>	_____

10.135	Compartment Lights	<ul style="list-style-type: none"><li>• LED continuous “rope” style lighting in all service body compartments</li><li>• Properly secured to prevent damage</li><li>• Wired through ignition and through chassis manufacturer’s OEM dash mounted switch</li><li>• Labelled “Bin Lights”</li></ul>	_____
10.136	Work Lights	<ul style="list-style-type: none"><li>• Qty four (4)</li><li>• Whelen Pioneer SlimLine Series PSL2B</li><li>• Work lights to be wired through the ignition</li><li>• Wired through a single OEM dash mounted switch</li><li>• Labelled “Work Lights”</li></ul> <p><b>Locations to be determined at pre-production meeting</b></p>	_____
10.137	Traffic Advisor	<ul style="list-style-type: none"><li>• Split Arrow head style</li><li>• SWS Titan 57818-2 Traffic Arrow complete with controller and all mounting and electrical hardware</li><li>• Include all necessary mounting brackets and guards manufactured from galvanized steel</li><li>• Installed on top of each side pack</li></ul> <p><b>State:</b> make and model</p> <p><b>Locations to be determined at pre-production meeting</b></p>	_____
11.0	<b><u>WARRANTY:</u></b>		
11.1	All warranty information shall be detailed and <b><u>include all exclusions.</u></b>		_____
	The Contractor shall provide all published warranty information upon delivery of the equipment.		
	Bidder shall state all warranty information.		
11.2	Body	<b>State:</b>	_____
11.3	Under Hood Air Compressor	<b>State:</b>	_____
11.4	Water Pump	<b>State:</b>	_____



12.0 **DELIVERY:**

12.1 **Delivery Point:**

The complete unit shall be serviced, ready for operation and delivered F.O.B. with the freight prepaid, including invoice and N.V.I.S. (if applicable) to the WFMA 185 Tecumseh Street, Winnipeg MB.

12.2 **Delivery Time:**

Equipment shall be delivered between 8:00 am and 2:00 pm on Business Days.

**State:** earliest delivery time from date of chassis delivery: \_\_\_\_\_

12.3 **Delivery Contact:**

The Contractor shall contact the Contract Administrator prior to delivery of the equipment.

12.4 **P.D.I:**

A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list

13.0 **MANUALS:**

13.1 **Operator's Manual:**

One (1) per unit shall be supplied with the units when delivered

14.0 **PARTS/LABOUR PRICING:**

14.1 Bidder to provide City of Winnipeg Parts Discount % Pricing from retail parts pricing. **State percentage discount**

14.2 Bidder to provide City of Winnipeg Labor Discount % Pricing from Retail shop labor rate. **State percentage discount**

15.0 **FIRST SERVICE PREVENTATIVE MAINTENANCE KIT:**

15.1 In order to assure minimum downtime of the Equipment in future service, the Contractor must provide one (1) complete replacement set of new OEM filters for each unit purchased. The set of required filters shall include (if applicable to the equipment type) air, fuel, oil, cab and hydraulic, or otherwise all known necessary common replacement filters required for the first preventative maintenance servicing.

15.2 The Contractor must provide a list of factory recommended lubricants to be used with the equipment, as well as a complete cross reference guide for all warranty approved lubricants and filters that can be used during Preventative Maintenance servicing.