

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND INSTALLATION OF VAN INTERIOR OUTFITTING
(SUPER HIGH ROOF SPRINTER VANS)

2. Bidder

Name of Bidder

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

Street

City

Province

Postal Code

Email Address of Bidder

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

Contact Person

Title

Telephone Number

Facsimile Number

Email Address

4. Definitions

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

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

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

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

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

No.	Dated
_____	_____
_____	_____
_____	_____

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

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

Signature of Bidder or
Bidder's Authorized Official or Officials

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

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

FORM B: PRICES
(See B9)

SUPPLY AND INSTALLATION OF VAN INTERIOR OUTFITTING (SUPER HIGH ROOF SPRINTER VANS)

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Van Interior Outfitting	16009	Each	10	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 16009

Van Interior Outfitting

1. DESCRIPTION OF EQUIPMENT

- 1.1 These specifications describe the supply and installation of a cargo van interior to be installed by the successful Bidder into City owned 11000 lbs. GVWR, 2016 Mercedes Sprinter Cargo Vans 170" WB EXT Super High Roof.
- 1.2 The unit shall be furnished and ready for use. 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 the material and workmanship, to the best standards and engineering 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 rating specified herein merely states the minimum values acceptable to the City. There is no intent of imply that these values are sufficient for the design of the equipment being bid.

2. 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.

Society of Automotive Engineers, SAE:

http://en.wikipedia.org/wiki/Society_of_Automotive_Engineers

- 2.2 The completed unit and all its components shall comply with all C.M.V.S.S. and Manitoba Highway Traffic Act regulations and requirements including, but not limited to, a Manitoba Government Inspection.

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

Canadian Motor Vehicle Safety Standards, CMVSS: <http://www.gnb.ca/0062/regs/83-163.htm>

3. SERVICE FACILITY

- 3.1 For the purpose of warranty repairs, the manufacturer shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Further to B11, 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. INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

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

5.0 QUALIFICATIONS OF MANUFACTURER & CONTRACTOR-

- 5.1 The manufacturer of the **Van Interior Components for outfitting** shall have five (5) years continuous experience manufacturing **Van Interior Components**.
- 5.2 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.

6.0 SPECIFICATIONS

**BIDDER TO STATE "YES"
OR STATE DEVIATION**

INSTALLATION

6.1 The van interiors shall be installed in the following vehicle:

6.2 **2016 Mercedes Sprinter 3500 170 WB Ext Super High Roof Cargo Van** _____

- 3.0L V6 diesel engine
- 170 in. wheelbase
- 11000 lbs. GVWR, Super High Roof
- Air conditioning (front only)
- Equipped with second 280 amp alternator and additional battery for retrofit
- Rear cargo doors double swing with windows
- Cargo door-passenger side sliding door (no window)

VEHICLE STORAGE

6.3 All vehicles to be stored at the outfitters' facility while work is being completed in a locked compound. _____

General

Aluminum components to be manufactured using minimum 0.100" aluminum 5052-H32 or equivalent, unless stated otherwise, and suited for heavy duty use.

Dimensions are approximate and shall be discussed and confirmed at a pre-production meeting with City personnel.

Refer to drawings for referenced ITEM numbers.

Boiler system (ITEM #1) to be pre-installed by the City.

Provide 4 heavy duty hooks (ITEM #4) positioned 48" and 72" off the sub-floor.

Install 3" covered access hole in rear door driver's side. Location TBD.

Interior Cab Partition (ITEM #5)

6.4 Material: Aluminum _____

6.5 Sliding door partition with locking handle. _____

- 6.6 Includes tempered glass window. _____
- 6.7 Similar to Ranger 3068-DH for Super High Roof. _____
- 6.8 Aluminum angle added to bottom of partition for extra durability. _____

Interior Floor/Long Key Storage (ITEM #8)

- 6.9 Background: the underside of the raised floor will be used to store long 'Key' tools. Keys are manufactured from solid steel tubing approx. 1" in diameter with a T or L shaped handle on one end and a custom fitting on the other end. Long keys range in length from 6' to 12'.
Material: 3/4" composite plywood with aluminum supports/dividers _____
- 6.10 For the pre-production phase, the Contractor is to provide a wood mock-up of the front section of a key storage slot for the City to assess user performance. _____
- 6.11 Manufactured from 3/4" composite plywood sprayed hot applied anti-slip seamless spray liner (must be elastic and have flexibility). Must be Rhino Linings (Black). _____
- 6.12 Area covered by raised floor is identified with 'hatch marks' in Drawing #1. _____
- 6.13 Sub-floor surface 7.0" offset from OEM floor and inset 18" from rear of van. _____
- 6.14 Apply Rhino Linings (Black) to OEM floor (ITEM #11). _____
- 6.15 Structural dividers manufactured from 3/16" Aluminum (or as required) spaced approximately 6" apart to create key storage compartments and to support floor. Key storage is to be maximized between wheel wells. _____
- 6.16 Bottom and sides of each key storage channel are to be lined with durable 3/8" rubber for the first 4' sufficient to reduce noise. Back of each channel to be sealed. _____
- 6.17 Provide adequate support for front cantilevered edge of floor while minimizing impact on the overall height of the floor and its intended purpose. The Contractor is responsible for warranting its performance.
A suggestion is a 1/8" Galvanized steel plate mounted on top of the Aluminum dividers and across the width of the cantilevered edge and extending 18" under the floor. _____
- 6.18 Safety stair nosing trim to be added along front edge of 3/4" composite plywood floor - 70mm x 55mm _____
- 6.19 Hinged access floor hatch (ITEM #6) approximately 24" x 38". Contractor to ensure hatch is adequately secured to eliminate rattling while in van is in motion, easily accessible, and flush with floor surface to eliminate tripping hazard. _____
- 6.20 General open storage space at bottom of passenger side in front of wheel well and next to long key storage area. _____
- 6.21 Aluminum 2" high containment edge attached to OEM floor to prevent keys from sliding backwards. _____

Desk (ITEM #3)

- 6.22 Material: minimum 1.5" hardwood top with aluminum base. _____

- 6.23 Approximate dimensions: Height: 36", Width: 48", Depth: 18".

- 6.24 Top to have rear containment edge.

- 6.25 Similar to Ranger 7209 or equivalent.

- 6.26 Add a set of 6 aluminum latchable drawers; varied heights, 24" in width, compatible with desk. Similar to Ranger 5060-6 or equivalent.

Shelf Unit (ITEM #2)

- 6.27 Material: aluminum

- 6.28 Approximate dimensions: Height: 60in, Width: 72in, Depth: 16in

- 6.29 Shelving unit contoured to fit wall of Super High Roof Sprinter van to maximize storage space. Total of 4 fixed shelves evenly spaced starting approximately 15" off of sub-floor.

- 6.30 Each shelf to have lip/containment edge.

- 6.31 Minimum 8 tall dividers per shelf.

- 6.32 Add 1/4" rubber matting covering bottom of shelves.

- 6.33 Similar to Ranger 4172-4 or equivalent.

Workbench/Short Key Storage (ITEM #9)

- 6.34 Background: the workbench base will be used to store short 'Key' tools. Keys are manufactured from solid steel tubing approx. 1" in diameter with a T or L shaped handle on one end and a custom fitting on the other end. Short keys range in length from 4' to 6'.

- 6.35 Material: 0.100" aluminum construction
Countertop 1.5" thick laminated plywood or hardwood reinforced/supported accordingly with minimum 20 gauge steel wrap finish on top, front, and right side.

- 6.36 Approximate overall dimensions: Height: 36", Width: 104", Depth: 18"

- 6.37 Provide end panels.
Right end panel to be modified per drawings.
Qty. 3 - 3"x36" reinforced aluminum vertical panels to prevent rotation of key handles (refer to Drawing #3).

- 6.38 One vertical divider panel 36" from left side of the unit

- 6.39 Aluminum 3" high 6' long containment edge mounted to floor along front of workbench.

- 6.40 Total of 8 evenly spaced tilted key storage slots approximately 4" high positioned as shown in drawings. Slot ends to be open.

- 6.41 One column of 4 shelves with 3" containment edge facing rear of vehicle (refer to Drawing #2). Each shelf 18" deep.

- 6.42 Bottom and sides of each key storage channel are to be lined with durable 3/8" rubber for noise reduction.

Mesh Shelf (ITEM #10)

- 6.43 Position: approximately 18" above workbench secured to wall. _____
- 6.44 Material: aluminum _____
- 6.45 Overall dimension: Height: 3", Width: 104", Depth: 6" _____
- 6.46 Diamond shape mesh at bottom of shelf. _____
- 6.47 Left side of shelf flush with left side of counter top workbench. _____
Designed for minimum 200 lbs load.

Sliding Door Area (ITEM #6)

- 6.48 Sliding Door Area to be enclosed and separated from main cargo area using 3-sided solid insulated wall. Area accessible from outside of van only. _____
- 6.49 Solid insulated wall to be designed for minimum 250 lbs. live hanging load while minimizing wall thickness (5" max). The Contractor is responsible for warranting performance. _____
- 6.50 Suggest square tube steel supports and spray foam between plywood wall finish. _____
- 6.51 All interior surfaces of Sliding Door Area (excluding sliding door) to be sprayed with hot applied anti-slip seamless spray liner (must be elastic and have flexibility). Must be Rhino Linings (Black). Must be designed for cleaning with water hose. _____
- 6.52 Drain kit (ITEM #7) to be mounted in bottom of Sliding Door Area with custom swell and drain tray (aluminum). _____
- 6.53 Waterproof LED light mounted in Sliding Door Area. _____
- 6.54 Waterproof electrical outlet 3 prong plug with weatherproof receptacle cover. _____
- 6.55 Wall brackets/mounts/hangers mounted on floor or solid insulated wall for various tools such as shovels, hoses, and jackhammer. Final requirements TBD at time of install. _____
- 6.56 Quantity 2 covered access holes approximately 3" in diameter for passing hoses between the cargo area and Sliding Door Area. Location TBD. _____

Interior Electrical

- 6.57 Complete 120V electrical package ESA certified _____
- 6.58 Panel located inside bulkhead behind driver with 30 amp breaker _____
- 6.59 A second battery and alternator will be pre-installed for use by the Contractor. All electrical connections made by the Contractor are to connect to this system which terminates under the driver's seat. _____
- 6.60 Recessed LED lighting in the cargo area to a rating of approximately 500 lux. Additional LED task lighting is required over the desk and workbench. Waterproof lighting required for the enclosed External Storage area. _____
- 6.61 Install 4 - 120v GFI electrical outlets inside the cargo area and 3 - 120V GFI external _____

outlets. Exact locations TBD.

- 6.62 Supply and install Xantrex 5000 watt XPower inverter. Location TBD. _____
- 6.63 All wiring for locally installed accessories shall be colour coded, loomed and properly secured. _____
- 6.64 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. _____
- 6.65 All joining of wires shall be soldered and sealed using heat shrink tubing (crimp-on electrical connectors for joining of wires is not acceptable). _____
- 6.66 Any holes required to run wires through shall be drilled (not punched), grommeted and sealed as necessary. _____

D4 Espar Heater

- 6.67 Supply and install latest version of diesel fired Espar D4 Airtronic heating unit ducted to the cargo area and the enclosed Sliding Door Area. _____
- 6.68 Ducting should be sized and ported appropriately to limit heat loss to the Sliding Door Area, and to prevent water from entering the Espar unit while cleaning the Sliding Door Area with a pressure washer. _____
- 6.69 Provide cover for heating unit for protection from impact damage and water. Heating unit should be easily accessible. _____
- 6.70 Location TBD. _____

Interior Insulation and Lining (Spray foam Insulation)

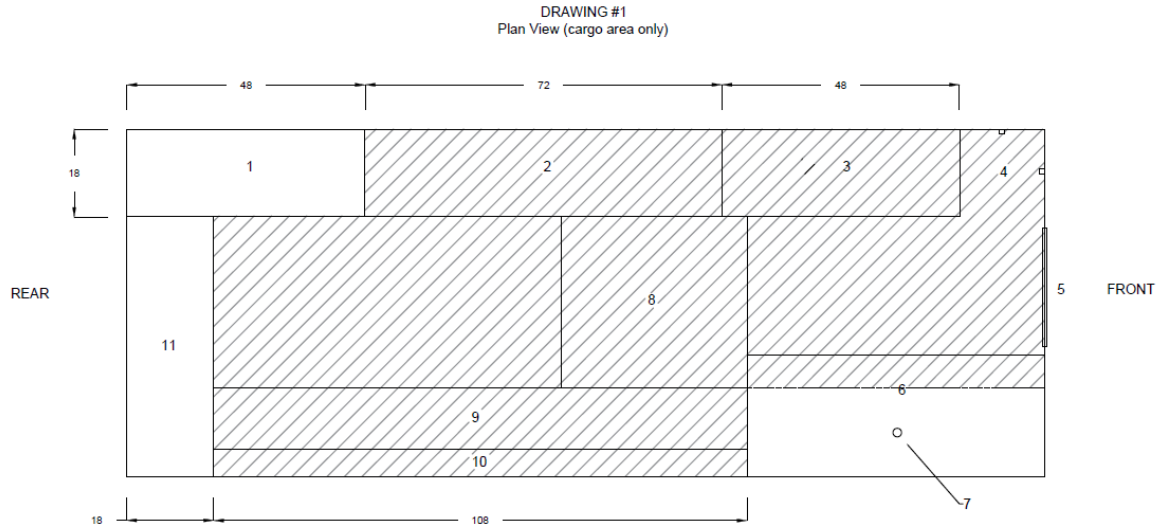
- 6.71 Interior walls lined with Kemlite Liner Paneling Kit _____
- 6.72 White pebble dash finish _____
- 6.73 Embossed White _____
- 6.74 Kit to be 1.5" thick _____
- 6.75 Includes Plastic Joining Strip between each sheet _____
- 6.76 Lining Kit will be screwed to plywood reinforcing side and ceiling of van _____
- 6.77 **Spray Polyurethane Foam Insulation – Includes:** _____
- 6.78 R6 Value Foam _____
- 6.79 Spray foam is a closed cell foam _____
- 6.80 Sprayed on walls of van approx. 1" thick _____

Exterior Lighting

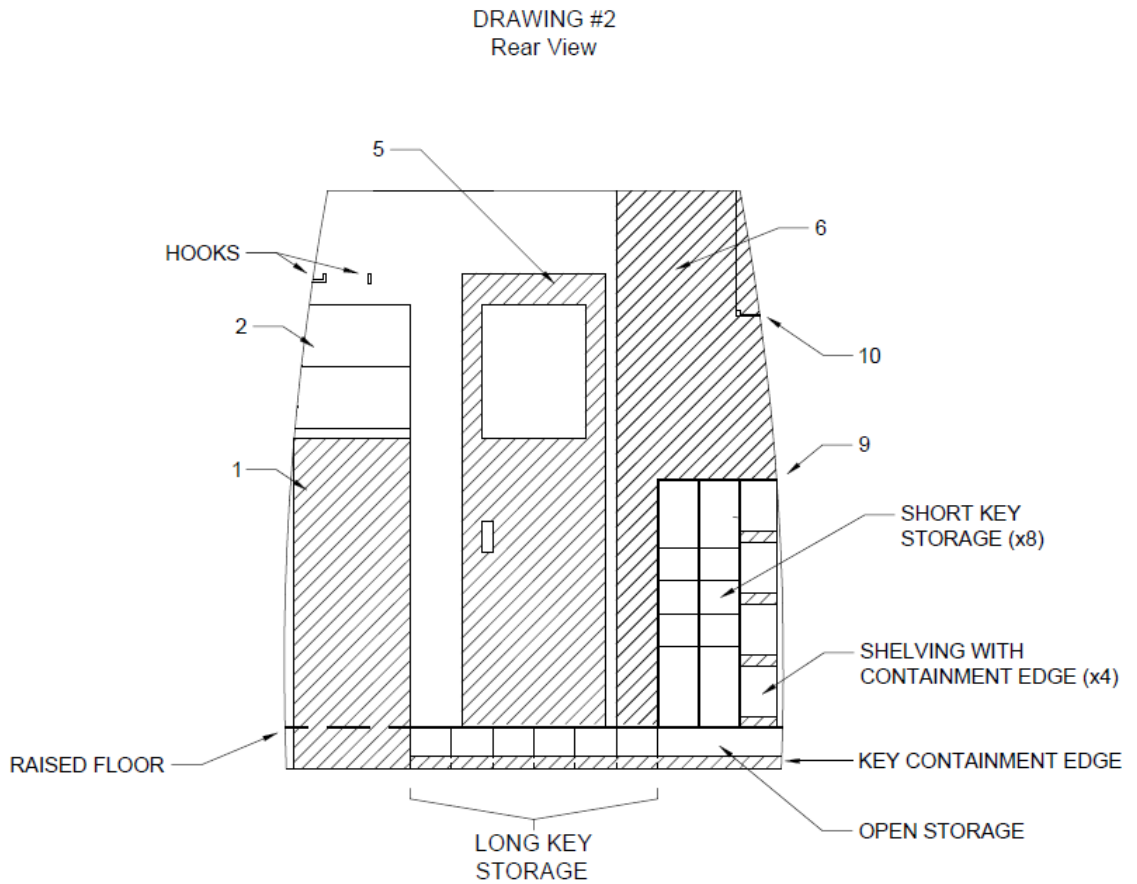
- 6.81 Traffic Advisor: Whelen TAD8AMBER T/A Dominator 8 x TIR3, internal Module w/5 wire hook-up with TADCTL1 controller for Dominator 8 head LED OR SWS 59050 Traffic Director with a 77201 cable. **State** make _____

- and model being bid.
- 6.82 Traffic Advisor shall be mounted on the roof at rear of the van _____
 - 6.83 Beacon: Mini light bar Whelen P/N: R2LPPA4 mounted front center on roof. _____
 - 6.84 Light bar guards: steel round bar construction around beacon _____
 - 6.85 Strobe lights, front: two (2) Whelen 3 TIR LED Amber lights, front facing in or behind front grille. _____
 - 6.86 Strobe lights, rear: Four (4) Whelen 3 TIR LED Amber lights, on rear doors, 2 mounted on each rear door above rear windows. _____
 - 6.87 Beacons and strobe lights shall be actuated by one switch located on the dash, fused wired hot i.e., so that the lights are able to operate with the unit off and the key in the "off" position. _____
 - 6.88 Rear Work lights- two (2) utility lamps, Truck-Lite 8140, mounted above Rear doors. Lights shall be wired through neutral safety switch, switch Panel actuated. _____
 - 6.89 Side mounted scene lights- two (2) Whelen 9SC0ENZR c/w trim ring, installed near roofline, one (1) per side, mounted approx. top-center of each side, switch panel actuated on two separate switches. _____
 - 6.90 Backup alarm: SWS 99901, 97dB(A), installed near rear of unit, located to be protected from damage. _____
 - 6.91 All dash mounted warning lights and switches to be identified with permanent, engraved type labels. No labels to be located on upper surface of dash. _____
 - 6.92 All wiring for locally installed accessories shall be colour coded, loomed and properly secured. _____
 - 6.93 All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. _____
 - 6.94 All joining of wires shall be soldered and sealed using heat shrink tubing (crimp-on electrical connectors for joining of wires is not acceptable). _____
 - 6.95 Any holes required to run wires through shall be drilled (not punched), grommeted and sealed as necessary. _____

6.96 **Drawing # 1: Plan View (Cargo Area)**

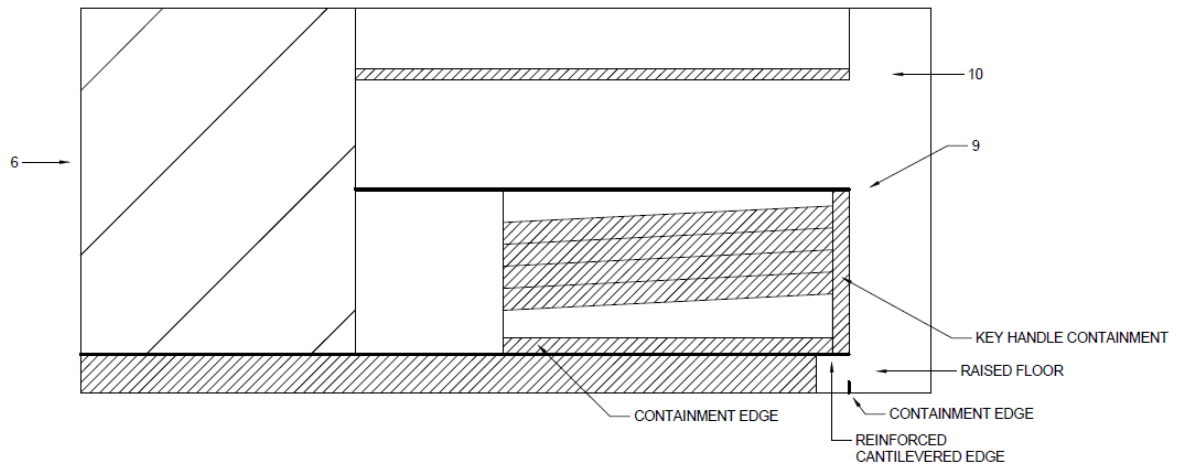


6.97 **Drawing #2: Rear View**



6.98 **Drawing #3: Passenger Side (CargoArea)**

DRAWING #3
 Passenger Side (cargo area only)



7.0 **Warranty**

7.1 The warranty on the van interior shall include 100% replacement parts and labour at no cost to the City and shall cover the complete equipment and all the parts thereof against defects of workmanship, construction and materials for one (1) year from the date the equipment is put into service by the City.

8.0 **DELIVERY**

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

8.2 **Delivery Time:** Equipment shall be delivered between 8:00 am and 3:00 pm on Business Days. **State delivery time in weeks from arrival of vans for outfitting**

8.3 **Delivery Contact:** The Contractor shall contact the Contract Administrator prior to delivery of the equipment.

8.4 **P.D.I:** A pre-delivery inspection shall be performed by the Contractor on the equipment. Proof upon inspection including completed check list

9.0 **MANUALS**

9.1 Manuals supplied under this Contract. The manuals shall cover the complete equipment including all components thereof, CD is preferred where available.

9.2 Operator's manual: One (1) per unit shall be supplied with the units when delivered:

10.0 **WEIGH SCALE TICKET**

- 10.1 The Contractor shall provide a certified weigh scale ticket including front and rear axle weights at the time of final delivery of the completed units. _____