

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

1. Contract Title SUPPLY AND DELIVERY OF AN AERIAL LADDER PLATFORM

2. Bidder

Name of Bidder

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

Street

(Mailing address if different)

City

Province

Postal Code

Email Address of Bidder

Facsimile Number

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

(Choose one)

The Bidder is:

☐ a sole proprietor

☐ a partnership

☐ a corporation

carrying on business under the above name.

3. Contact Person

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

Contact Person

Title

Telephone Number

Facsimile Number

4. Definitions

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

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. Execution of Contract The Bidder agrees to execute and return the Contract no later than seven (7) Calendar Days after receipt of the Contract, in the manner specified in C4.3.01.
7. 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.
8. Contract The Bidder agrees that the Request for Proposal 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 Proposal.
9. 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 |       |
|-----|-------|-------|-------|
|     | _____ |       | _____ |
|     | _____ |       | _____ |
|     | _____ |       | _____ |
10. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.
11. Signatures In witness whereof the Bidder or the Bidder's authorized official or officials have signed this
- \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Signature of Bidder or  
Bidder's Authorized Official or Officials

\_\_\_\_\_

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

\_\_\_\_\_

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

**FORM B: PRICES**  
(See B9)

**SUPPLY AND DELIVERY OF AN AERIAL LADDER PLATFORM**

**UNIT PRICES**

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE
1.	Aerial Ladder Platform	14039	Each	1	

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

## FORM N DETAILED SPECIFICATIONS 14039

### AERIAL LADDER PLATFORM

#### **1.0 INTENT-**

- 1.1 It is the intent of these specifications to describe a **2013 or newer Aerial Ladder Platform or demonstrator.**
- 1.2 The Aerial Ladder Platform shall be furnished complete and ready for use. Any parts not specifically mentioned but which are required to complete and place the Aerial Ladder Platform in successful operation shall be furnished as though specifically mentioned in these specifications.
- 1.3 The ratings specified herein state the general values acceptable to the City of Winnipeg Fire Paramedic Service, not implying that those values are sufficient for the design of the particular Aerial Ladder Platform being bid.

#### **2.0 SAFETY STANDARDS-**

- 2.1 The Aerial Ladder Platform must comply with **National Fire Protection Association Standard NFPA 1901 (current edition)**, with latest revisions, form an integral part of these specifications and any conflict with the specifications shall be brought to the attention of the Contract Administrator in Clause D4.1 of the Supplemental Conditions.
- 2.2 All applicable **SAE standards** form an integral part of the aerial ladder platform specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 2.3 The **Aerial Ladder Platform** and **all associated equipment** as stated in the Contract shall comply with the applicable standards:
- Highway Traffic Act = <http://web2.gov.mb.ca/laws/statutes/ccsm/h060e.php>
  - Manitoba Motor Vehicle Act = <http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/menu.htm>
  - Canadian Motor Vehicle Safety Standards, CMVSS = <http://www.gnb.ca/0062/regs/83-163.htm>
  - Transport Canada = <http://laws.justice.gc.ca/en/notice/index.html?redirect=%2Fen%2FM-10.01%2F250448.html>
  - National Safety Mark, NSM = <http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/regulations/mvsrg/001/mvsr3-5.html>
  - Manitoba/Winnipeg Safety and Health Act, Parts 12, 22 = <http://web2.gov.mb.ca/laws/statutes/ccsm/w210e.php> and <http://www.gov.mb.ca/labour/safety/>
  - Canadian Standards Association, CSA = <http://www.csa.ca/about/Default.asp?language=english>
  - Under Writers of Canada, U/L = <http://www.ulc.ca/>
  - Society of Automotive Engineers, SAE = [http://en.wikipedia.org/wiki/Society\\_of\\_Automotive\\_Engineers](http://en.wikipedia.org/wiki/Society_of_Automotive_Engineers)
  - City of Winnipeg Lighting Visibility Standard = <http://winnipeg.ca/matmgt/pdfs/PublicWorksEquipLightingVisibility.pdf>
- 2.4 Upon request, Bidders shall include a written statement within 48 hours upon the request of the Contract Administrator, certifying that the Aerial Ladder Platform being bid complies with all requirements of the standards referred to in this document.
- 2.5 The chassis being supplied for the Aerial Ladder Platform shall be the same model that has been tested to demonstrate that it meets the requirements European Crash Test Standards, ECE R-29 Uniform Provisions Concerning the Approval of Vehicles with Regard to the Occupants of the Cab of a Commercial Vehicle. The Bidder shall submit within (48) hours of the request of the Contract

Administrator, proof of compliance with E.C.E. Reg. 29, including the test results, certified by a registered Professional Engineer and satisfactory to the Contract Administrator.

**3.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS-**

- 3.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders shall state “yes” for compliance or state the deviation**, or state the information requested. All deviations shall be clearly stated and fully detailed.
- 3.2 Each bidder is required to fill in every blank. Failure to do so may be used as a basis for rejection of bid.

**4.0 ELIGIBLE CHASSIS TYPE-**

- 4.1 Shall be a low forward cab over type with winter insulation package or equivalent in accordance to B6.Substitutes. \_\_\_\_\_

**5.0 PERFORMANCE-**

- 5.1 The aerial ladder platform shall be designed and built to operate on a high continuous usage basis in the climatic conditions common to the City of Winnipeg. \_\_\_\_\_

**Note: The City of Winnipeg has four seasons with ambient temperatures ranging from approximately 95F (35C) to -40F (-40C), with an average annual snowfall of approximately 42 in. (1070 mm). The Aerial Ladder Platform when not in use will be stored in a heated building.**

- 5.2 It should be noted that the successful Bidder will be documented regarding performance when the vehicles are put into service. This performance documentation will be used for consideration for future purchases. \_\_\_\_\_
- 5.3 **Responsibility for the design-** The responsibility for the design of the complete Aerial Ladder Platform, its performance and reliability shall rest upon the Contractor. \_\_\_\_\_
- 5.4 **Repeated failures-** Where the Aerial Ladder Platform develops “repeated failures” in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance, at no cost to the City with a reapplied, full warranty. \_\_\_\_\_

**6.0 SERVICE FACILITY & QUALIFICATIONS OF MANUFACTURER-**

- 6.1 For the purpose of warranty repairs and service support, the supplier shall have an authorized service facility located within 25 kilometres of the City of Winnipeg Fire Department Emergency Mechanical Services Branch located at 2546 McPhillips Street, Winnipeg Manitoba (no exceptions). The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Further to B10.1, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator. \_\_\_\_\_
- 6.2 All components of the Aerial Ladder Platform requiring regular scheduled servicing or lubrication shall be easily accessible. The design and construction of the Aerial Ladder Platform shall be such that the removal of drive train components including, but not limited to, the engine, transmission and transfer case, can be accomplished without dismantling the Aerial Ladder Platform body. \_\_\_\_\_

6.3 The manufacturer of the Aerial Ladder Platform shall have five (5) years continuous experience manufacturing Aerial Ladder Platform of the triple combination fire pumper Aerial Ladder Platform. The manufacturer shall have in effect a complete and documented quality control program ensuring compliance with all applicable standards. \_\_\_\_\_

6.4 A list of at least five (5) references for the type of triple combination fire pumper Aerial Ladder Platform be included. The list shall include the fire department's name, location, contact person, telephone number and the length of time the Aerial Ladder Platform has been in service. The manufacturer of the Aerial Ladder Platform shall have successfully demonstrated the operation of the type of Aerial Ladder Platform being offered in cold weather (-40°C) conditions. \_\_\_\_\_

6.5 The City of Winnipeg Fire Aerial Ladder Platform Fire Apparatus Project Manager and the Contract Administrator shall determine if the service facility meets the required qualifications. \_\_\_\_\_

**7.0 GVWR, DIMENSIONS, WEIGHT DISTRIBUTION & TURNING RADIUS-**

7.1 The Complete **Aerial Ladder Platform** shall not exceed the City of Winnipeg's limit for gross vehicle weight, axle and tire loads. \_\_\_\_\_

**Note: The City of Winnipeg and the Province of Manitoba limits the gross vehicle weight and axle and tire loads to:**

7.2 **Front axle** (steering axle) – 7300 kg (16,094 lbs.). \_\_\_\_\_

7.3 **Rear axle** (single axle) – 9100 kg (20,062 lbs.). \_\_\_\_\_

7.4 **Tire load** – 9 kilograms for each millimetre width of tire (approx. 500 lbs. per inch of tire width). \_\_\_\_\_

7.5 **Weight distribution**- Bidder to provide Weight distribution documentation with water and foam and all associated tools and equipment.

- **Front-** \_\_\_\_\_

- **Rear-** \_\_\_\_\_

7.6 **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 five (5) occupants, full of water, foam and all equipment as specified in this proposal. \_\_\_\_\_

7.7 **Center of Gravity**- The vehicles shall meet all safety standards in relation to center of gravity. \_\_\_\_\_

7.8 **GVWR**- Gross vehicle weight rating (GVWR), **state-** \_\_\_\_\_

7.9 **Front (GAWR)**-Gross axle weight rating front (GAWR), must be a 10% greater than actual vehicle weight carried on front axle, **state-** \_\_\_\_\_

7.10 **Rear (GAWR)**- Gross axle weight rating rear (GAWR), must be 10% greater than actual vehicle weight carried on rear axle, **state-** \_\_\_\_\_

7.11 **Tare Weight**- State the tare weight of the Aerial Ladder Platform being bid:  
- **Front-** \_\_\_\_\_  
- **Rear-** \_\_\_\_\_  
- **Total-** \_\_\_\_\_

7.12 **Dimensions-** State the following dimensions: (***Note: No part of the vehicle, including lights, shall exceed the maximum overall height specified***)

- a) **Overall width** – Shall not exceed 102 in.
- b) **Overall height** – Shall not exceed 120 in.
- c) **Overall length** – Shall not exceed 32 ft. 7 in.
- d) **Wheelbase** – State-
- e) **Ground clearance** – Shall not be less than 8 in.
- f) **Turning Radius**- State turning radius- See example:

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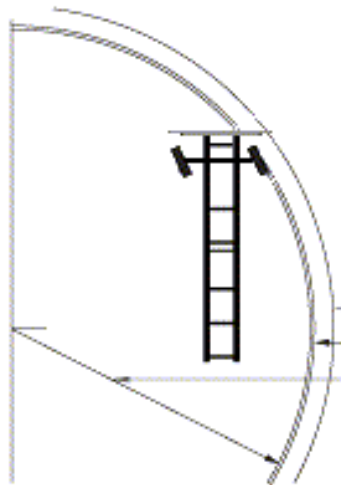
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7.13 **Turning Radius-** State the vehicle turning radius, wall to wall. Curb to Curb.  
**Example:**



	Left Turn	Right Turn	Tolerance
Wall to Wall Diameter (ft)	130.9	111.4	+/- 3.0
Curb to Curb Diameter (ft)	127.2	106.9	+/- 3.0
Turning Radius (ft)	62.9	52.7	+/- 1.5

- a) Wall to Wall (ft)-
- b) Curb to Curb(ft)-
- c) Turning Radius (ft)-

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**8.0 Unit Description**

Shall be a 2014 or newer aerial ladder platform and must provide a 100 ft. height extension or greater provided complete with a pump and tank and supplied with an attached list of equipment.

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**9.0 Chassis Type**

Shall be a low forward cab over design with 5 person seating and a 10 inch raised roof with winter insulation package or equivalent.

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**10.0 Engine**

Approx. 500 HP @ 1800 RPM with 1650 ft. lb. torque @ 1200 R.P.M. or equivalent. All applicable power deductions and parasitic losses associated with the specified equipment shall be considered as required. Engine must be current 2014 EPA emission standards.

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|-------------|---|---|-------|
| <b>11.0</b> | <b><u>Exhaust System</u></b>                        | Aerial Ladder Platform to be supplied with an Aerial Ladder Platform mounted Ward Diesel Exhaust Filter or equivalent.  | <hr/> |
| <b>12.0</b> | <b><u>Cooling</u></b>                               | Heavy Duty Engine Cooling System, Radiator, Extended Life Long Coolant  | <hr/> |
| <b>13.0</b> | <b><u>Transmission</u></b>                          | Transmission shall be an Allison EVS4000 automatic transmission as for Fire and Emergency. Pump Mode in fifth gear.   | <hr/> |
| <b>14.0</b> | <b><u>Electrical Supply System</u></b>              | Multiplex Electrical System, Cold Cranking Amp Heavy Duty Batteries, Battery Charging System, Ground Wire, and Heavy Duty Alternator with thermal protection and over crank protection. | <hr/> |
| <b>15.0</b> | <b><u>Fuel System</u></b>                           |   | <hr/> |
| 15.1        | Fuel Tank Capacity, <b>state-</b>                   |   | <hr/> |
| 15.2        | Fuel Tank Construction, <b>state-</b>               |   | <hr/> |
| <b>16.0</b> | <b><u>Drive Shafts, Axles &amp; Suspensions</u></b> |   | <hr/> |
| 16.1        | Front Axle Capacity, <b>state-</b>                  |   | <hr/> |
| 16.2        | Rear Axle Capacity, <b>state-</b>                   |   | <hr/> |
| 16.3        | Front Air Ride Suspension                           |   | <hr/> |
| 16.4        | Rear Air Ride Suspension                            |   | <hr/> |
| 16.5        | Wheels & Tires, <b>state-</b>                       |   | <hr/> |
| <b>17.0</b> | <b><u>Brake System</u></b>                          | Anti-Lock Braking System, High capacity Air Compressor, Air Dryers<br>Drain Values, Auxiliary Air Pump, Heavy Duty Steering System  | <hr/> |
| <b>18.0</b> | <b><u>Frame</u></b>                                 |   |       |
| 18.1        | Construction type and method, <b>state-</b>         |   | <hr/> |
| 18.2        | Front Tow Hooks                                     |   | <hr/> |
| 18.3        | Rear Tow Hooks                                      |   | <hr/> |
| 18.4        | Front Bumper  |   | <hr/> |
| <b>19.0</b> | <b><u>Cab &amp; Cab Equipment including</u></b>     |   |       |



19.1 Construction type and method, **state-**

19.2 Insulating Materials type and method, **state-**

19.3 Entrance Doors, **state-**

19.4 Step Area Lighting, **state-**

19.5 Seating Layout, **state-**

19.6 Windows, **state-**

19.7 Mirrors, **state-**

19.8 Heating and Air Conditioning, **state-**

19.9 Instrumentation, **state-**

**20.0 Fire Pump**

20.1 Manufacturer **state-** (Hale X-Max preferred)

20.2 Capacity **state-**

20.3 Pump Overheat Protection System

20.4 Relief Value System

20.5 Priming Pump

20.6 Inlet & Outlet Configuration and Number

20.7 Inlet & Outlet Sizes

20.8 Tank to Pump Line

20.9 Pump Discharge Outlets to meet WFPS/WFD Hose Connection Specifications

20.10 Pump Compartment

20.11 Pump Compartment Heater

20.12 Pump Panel

**21.0 Pump Drive**

21.1 Shifting Mechanism

21.2 Shift Control

21.3 Warning Lights

**22.0 Pump Operator's Panel**

22.1 Location **state-**

22.2 Pressure Gauge Configuration

22.3 NFPA 1901 – 2009 Test Plate

**23.0      Water Tank**

23.1      Construction type and method, **state-**

23.2      Capacity **state-**

23.3      Baffles

23.4      Fill Tower

23.5      Mounting Specifications

23.6      External Tank Drain

**24.0      Aerial Ladder Platform Body**

24.1      Type & Style type and method, **state-**

24.2      Construction type and method, **state-**

24.3      Compartment Floor Construction, **state-**

24.4      Insulating Materials, **state-**

24.5      Compartment Design, **state-**

24.6      Compartment Doors, **state-**

24.7      Compartment Lighting, **state-**

24.8      Shelves, **state-**

**25.0      Equipment Compartments**

25.1      Ground Ladders (Specify Lengths and Number of Ladders)

25.2      Pike Poles (Specify Lengths and Numbers of Pike Poles)

25.3      SCBA Air Bottles (Storage Capability)

**26.0      Hose Bed**

26.1      Construction

26.2      Capacity

26.3      Design

26.4      Cover

26.5      Dividers

**27.0      Transverse Cross-lay Area**

27.1      Description

- 27.2 Design 

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- 27.3 Two 1¾" Attack Lines with 200' of Hose 

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**28.0 General Electrical Systems**

- 28.1 Aerial Ladder Platform to be Multiplexed 

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- 28.2 Electrical Description 

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- 28.3 Wiring Description 

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- 28.4 Connection Specifications- 

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All vehicle lighting shall conform to C.M.V.S.S. and Manitoba Highway Traffic Act requirements. All body supplier installed wiring shall be numbered, colour coded, loomed, properly secured and protected from damage. All electrical connectors shall be crimped and soldered, then sealed using heat shrink tubing. All joining of wires shall be soldered and sealed using heat shrink tubing (crimp on electrical connectors for joining wires are not acceptable). All holes required for routing wiring shall be drilled (not punched), grommetted and sealed as required.

- 28.5 Electrical Distribution Panel/s, **state configuration and location-** 

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**29.0 Vehicle Lighting & Warning Equipment**

- 29.1 The Vehicle Lighting & Warning Equipment shall meet the Canada Motor Vehicle Safety Act and the Manitoba Highway Traffic Act for the Aerial Ladder Platform. 

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- 29.2 Aerial Ladder Platform shall have an LED optical warning system that meets and/or exceeds NFPA 1901 

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- 29.3 Light Bar Specifications 

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- 29.4 Red Warning Lights 

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- 29.5 Air Horns 

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- 29.6 Light Tower 

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- 29.7 Backup Alarm 

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**30.0 Generator**

- 30.1 Type & Manufacturer, **state-** 

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- 30.2 Output, **state-** 

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- 30.3 Cable Reel/s 

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**31.0 Ladder**

- 31.0 Construction type and method, **state-** 

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- 31.1 Length, **state-** 

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|-------------|--|-------|
| 31.2        | Design, <b>state-</b>  | <hr/> |
| 31.3        | Capacity, <b>state-</b>  | <hr/> |
| 31.4        | Cable, <b>state-</b>   | <hr/> |
| 31.5        | Maintenance, <b>state-</b>   | <hr/> |
| 31.6        | Serviceability, <b>state-</b>  | <hr/> |
| 31.7        | Operation, <b>state-</b>   | <hr/> |
| 31.8        | Weight, <b>state-</b>  | <hr/> |
| 31.9        | Controls, <b>state-</b>  | <hr/> |
| 31.10       | Lighting, <b>state</b>   | <hr/> |
|             |  |       |
| <b>32.0</b> | <b><u>Platform</u></b>   |       |
| 32.1        | Design, <b>state-</b>  |       |
| 32.2        | Construction type and method, <b>state-</b>  | <hr/> |
| 32.3        | Size, <b>state-</b>  | <hr/> |
| 32.4        | Capacity, <b>state-</b>  | <hr/> |
| 32.5        | Operation, <b>state-</b>   | <hr/> |
| 32.6        | Water Monitors, <b>state-</b>  | <hr/> |
| 32.7        | Tools, <b>state-</b>   | <hr/> |
| 32.8        | Weight Restrictions, <b>state-</b>   | <hr/> |
|             |  |       |
| <b>33.0</b> | <b><u>Paint Colour</u></b> The Aerial Ladder Platform <b><u>preferred</u></b> paint as follows:  |       |
| 33.1        | Cab – painted two tone colour scheme with the bottom half Red to match SIKKENS Brand Code 911662 (Red) and the top half Black to match SIKKENS Brand Code 910788 (Black), using a polyurethane enamel paint. (DuPont Imron or Sikkons paint)   | <hr/> |
| 33.2        | Aerial Ladder Platform Body – Painted red to match the bottom half of the cab  | <hr/> |
| 33.3        | Aerial Ladder Platform Body Compartments Interior – Painted with light grey, scratch resistant, automotive grade paint   | <hr/> |
| 33.4        | Chassis Frame, Axles, & Undercarriage – Painted using smooth black corrosion resistant paint<br>Paint Application - All paint shall be applied in accordance with the paint manufacturer's recommendations. All surfaces shall be properly cleaned, prepared and primed with a suitable primer prior to painting. Painting shall have been performed in an atmosphere controlled spray booth. The cab and Aerial Ladder Platform body shall have been painted with all trim and hardware removed. All mounting holes shall have been drilled and deburred and nutserts shall be installed in blind holes prior to painting. Any caulking of body seams shall be performed prior to painting. Caulking material shall be of the highest industry standards. | <hr/> |
| 33.5        | Reflective Striping on all vehicles.   | <hr/> |

**34.0      Tools & Equipment**

- 34.1      The Aerial Ladder Platforms shall include:
- 34.2      One (1) Variable Speed Electrical Positive Pressure Blower c/w 12/3 cord and 20 Amp *twist lock plug*
- 34.3      One (1) 10 foot Folding (Attic) Ladder, *Duo-Safety 585-A Series or equivalent*
- 34.4      One (1) Little Giant Ladder *Type 1A Model 17 or equivalent*
- 34.5      Two (2) 8 foot Fibreglass Pike Poles with non-slip "D" handle
- 34.6      Two (2) 6 foot Fibreglass Pike Poles with non-slip "D" handle
- 34.7      One (1) 5 foot New York Roof Hook
- 34.8      Two (2) 6 lb. (2.7 kg) Pick Head Fire Axes with fibreglass handles
- 34.9      One (1) 8 lb. flat head axe
- 34.10      One (1) 10 lb. (4.5 kg) Sledgehammer with fibreglass handle
- 34.11      One (1) 50 in. (1270 mm) Pry Bar
- 34.12      One (1) Kelly Tool
- 34.13      One (1) 24 inch Goose Neck Pry Bars
- 34.14      Two (2) Square Mouth Shovels
- 34.15      One (1) 2½ gal. (11 L) Stainless Steel Pressurized Water Extinguisher supplied c/w a separate hand pump to pressurize
- 34.16      One (1) 15 lb. (6.8 kg) BC Rated CO<sup>2</sup> Extinguisher
- 34.17      One (1) 20 lb. (9.1 kg) BC Rated Pressurized Dry Chemical Extinguisher
- 34.18      One (1) Hydraulic Powered Door Opener "*Rabbit Tool*" by "Hydra Ram" c/w hand pump, pry bar, hammer and carry bag,
- 34.19      Two (2) 2½ in. (64 mm) *WCT Akron Model 4825 Nozzles. (500-1100)*
- 34.20      One (1) 2½ in. (64 mm) *WCT Akron Model 2393 Axial Play Pipe* c/w stacked tips
- 34.21      Three (3) 1½ in (38 mm) *Akron Model 4820 Assault Nozzle with Pistol Grip (350-550)*
- 34.22      One (1) 1½ in (38 mm) *Akron Model 1720 Turbojet Nozzle with Pistol Grip (500)*
- 34.23      One (1) 1½ in. (38 mm) *Nozzle, Akron Style 4715, (350-550)*
- 34.24      One (1) *Akron 777 Quick Attack Foam Tube*
- 34.25      One (1) Light Weight, Ball Valve Water Thief, *Akron Style 1573*, 2½ in. (64 mm) female swivel Western Canada thread x one 2½ in. (64 mm) male Western Canada thread and two 1½ in. (38 mm) male National Pipe Thread
- 34.26      Two (2) 2½ in. (64 mm) Hydrant Gate, *Akron Style 2285*, Western Canada Thread
- 34.27      One (1) *Akron 2582 4" Storz* to 3 x 2½ WCT Male Valve and Mount

34.28	Two (2) 2½ in. (64 mm) Double Male Adapters, <i>Akron Style 336</i> – Pyrolite, Western Canada Thread Two (2) 2½ in. (64 mm) Double Female Swivel Adapters, <i>Akron Style 335</i> – Pyrolite, Western Canada Thread	<hr/>
34.29	Two (2) 4 in. (102 mm) Storz x 2½ in. (64 mm) Male Western Canada Thread Adapter, c/w protective cap on male thread	<hr/>
34.30	Two (2) 4 in. (102 mm) Storz x 2½ in. (64 mm) Female Swivel Western Canada Thread x 30°, 4 in. (102 mm) Storz Adapter	<hr/>
34.31	Two (2) 2½ in. (64 mm) Western Canada Thread Male to 1½ in. (38 mm) NPT Female Adapter, Pyrolite or Brass	<hr/>
34.32	Three (3) 6" hydrant to 4" Storz Swivel Hydrant Adaptors	<hr/>
34.33	One (1) Demountable Portable Monitor with Tip-Over Protection, Crossfire TFT or equal, complete with 4 in. (102 mm) single Storz inlet, 2499 quad stacked tips and stream straightener (18 in.) (457 mm) long). Stream straightener and quad stacked tips shall be adaptable to Akron monitor c/w a portable monitor compartment storage bracket. Mounting brackets shall also be required for the stream straightener and tips	<hr/>
34.34	Twelve (12) 64 mm Hose <i>Angus ULTIMA</i> Double Jacket, Rubber Lined Fire Hose coupled WCT	<hr/>
34.35	Eight (8) 100mm X 33M <i>Angus Hi-Volume</i> Storz Hose	<hr/>
34.36	Two (2) 100mm X 15M <i>Angus Hi-Volume</i> Storz Hose	<hr/>
34.37	Eleven (11) lengths of 1¾ in. <i>Angus ULTIMA</i> Double Jacket, Rubber Lined Fire Hose coupled with 1½ in. NPSH	<hr/>
34.38	One (1) Stihl Rescue Saw <i>Model # TS-420</i> c/w one (1) 12 in. 24 tooth carbide blade, one (1) 14 in. metal blade and one (1) 14 in. concrete blade	<hr/>
34.39	One (1) Lennox Hacksaw c/w 3 blades	<hr/>
34.40	One (1) Set of Wheel Chocks. (mounted)	<hr/>
34.41	One (1) 30 in. Bolt Cutters	<hr/>
34.42	One (1) <i>Tempest Ventilation Fan Model 700-086</i> – 16" PPV, 5.5 HP Honda c/w with catalytic convertor	<hr/>
34.43	Two (2) Combination Stortz Wrenches with mount bracket	<hr/>
34.44	Two (2) Combination Stortz Wrenches loose	<hr/>
34.45	One (1) Hose Clamp ( manual able to accept 4 inch hose)	<hr/>
34.46	One (1) <i>Honda EU2000i Portable Generator</i> c/w Light	<hr/>
34.47	Two (2) Portable LED Lights c/w Cord Reels	<hr/>
34.48	Four (4) Energizer Hard Case Lanterns c/w batteries	<hr/>
34.49	Two (2) 50' Extension Cord 12/3 ( 20 Amp twist lock plugs)	<hr/>
34.50	One (1) " <i>Roto-pax</i> " 1gallon gas can (Red)	<hr/>
34.51	One (1) " <i>Roto-pax</i> " 1gallon gas can (Blue)	<hr/>
34.52	One (1) 150' Kernmantle Life Safety Rope w/bag with a minimum tensile breaking strength of 9000 pounds as per NFPA # 1983	<hr/>
34.53	One (1) <i>Chainsaw Stihl</i> (Model-MS 461 Magnum) with adjustable chain guard & wrench	<hr/>

34.54 One (1) Halligan Tool

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34.55 One (1) Set of Electric Lithium Ion Battery Operated Automobile  
Extrication Tools to include:

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-One (1) Hydraulic Cutter – c/w 2 batteries and one charger (Hurst  
Model S700E2 or equivalent)

-One (1) Hydraulic Spreader – c/w 2 batteries and one charger (Hurst  
Model SP310E2 or equivalent)

-One (1) Hydraulic Ram with 12" (300mm) extension–c/w 2 batteries  
and one charger (Hurst Model R411E or equivalent)

-One (1) Ram Support (to be used on door sills)

-One (1) 115v power adapter cord (to be plugged into an electrical  
source: generator, etc.)

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### 35.0 **TRAINING**

35.1 The Contractor shall be required to provide training (at the Contractor's  
expense) for the City of Winnipeg maintenance and operating  
personnel. The training shall be divided into two separate sessions, one  
for maintenance personnel and one for operating personnel. The  
training shall be conducted in separate or combined sessions for each  
group of personnel.

The duration of the sessions shall be as long as required for adequate  
familiarization and orientation of the equipment to the satisfaction of the  
Contract Administrator.

The training shall be conducted within two (2) calendar weeks from the  
date of delivery and shall be coordinated through the Contract  
Administrator.

The training shall be conducted in Winnipeg at a time and location  
designated by the Contract Administrator.

Pricing should be based on two (2) business days for maintenance  
personnel and two (2) business days for operating personnel.

Note: The first payment of the Contract on the equipment will not be  
issued until successful completion of training has been conducted to the  
satisfaction of the Contract Administrator.

35.2 Training Aides:

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a) On the type of equipment being offered, **state if CD Rom training  
aides or on-line training are available**

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35.3 What is the recommended minimum training duration for:

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Primary unit:

For major attachments (if applicable):

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35.4 State what other training aids are available (videos, CDs). 

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For the primary unit:

For major attachments (if applicable):  
35.5 Training Materials and applicable manuals or on-line training material information must be provided to the Operator Training Branch of at the earliest possible opportunity, no later than (4) weeks prior to delivery, when supplying vehicles, equipment and related attachments. Send these materials, preferably in both electronic format and hard copy (training videos are to be supplied on either CD or DVD) to:

WFPS Training Branch  
2546 McPhillips Streets  
Russ Drohomereski  
Academy Director  
Cell: 204-986-6015

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**36.0 DELIVERY AND INSTALLATION**

36.1 Bidder to provide an accurate delivery date-in accordance with B14. 

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36.2 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. The successful bidder shall be notified by the Contractor Administrator the delivery address prior to issuance of the purchase order 

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

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

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**37.0 MANUALS**

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

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37.2 The following manuals shall be supplied with the units when delivered:

a) Operator's manual – Two (2) per unit (one operator manual shall be sent to the Equipment Operator Training Branch

b) Parts and service manuals – one (1) complete sets including preventative maintenance schedules. CDs are preferred. 

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**38.0 WARRANTY-**

38.1 The warranty on the apparatus shall include 100% replacement parts and labour at no cost to the City and shall cover the complete equipment and all parts thereof against any defects of workmanship, construction and materials from the effective date of in-service. **State warranty details on the following:**



- Chassis basic coverage \_\_\_\_\_
- Chassis engine \_\_\_\_\_
- Chassis transmission \_\_\_\_\_
- Chassis Driveline \_\_\_\_\_
- Chassis Axles \_\_\_\_\_
- Chassis Electrical \_\_\_\_\_
- Chassis Tires \_\_\_\_\_
- Chassis Frame Rails \_\_\_\_\_
- Chassis Cab Structural \_\_\_\_\_
- Chassis Paint \_\_\_\_\_
- Body Apparatus basic coverage \_\_\_\_\_
- Body Apparatus hardware (handles, latches, roll-up doors) \_\_\_\_\_
- Body Apparatus Electrical \_\_\_\_\_
- Body Apparatus Lighting \_\_\_\_\_
- Body Apparatus Paint \_\_\_\_\_

38.2 **Importance to the City-** The apparatus is of vital importance to the City in providing essential services and, accordingly, all warranty items brought to the attention of the Contractor by the City shall be rectified expediently. The City reserves the right to affect warranty repairs to the apparatus, at full cost to the Contractor, should the Contractor fail to perform in a timely manner with in 24 hours.

38.3 **Warranty Administration Coordinator-** The successful Bidder shall have a dedicated person allocated and available 24/7 to receive phone calls and determine, co-ordinate, schedule and have the ability to authorize all warranty related issues which arise during the warranty period.

**State the name of the person responsible and alternate along with the 24hr. emergency phone number-**