



**THE CORPORATION OF THE TOWNSHIP OF CHAMPLAIN**

**TENDER FOR**

**WALK-IN RESCUE FIRE TRUCK**

**NO.: FD2019-01**

**CLOSING AT 2:00 P.M., TUESDAY, MAY 21, 2019**

**Received at:**

**Township of Champlain  
948 Pleasant Corner Road East  
Vankleek Hill, ON K0B 1R0**

# REQUEST FOR TENDERS

**Tender No:** FD 2019-01

**Description:** Walk-In Rescue Fire Truck

**Issued:** April 15, 2019

**Closing Date/Time:** May 21, 2019 before 2 P.M.

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## SECTION 1 - INSTRUCTIONS TO BIDDERS

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### 1. REGISTER AS A BIDDER

**It is mandatory that you register as a bidder with the Township.** You must email the following information to:

Paula Knudsen, CAO

[paula.knudsen@champlain.ca](mailto:paula.knudsen@champlain.ca)

- Name of Company
- Name of Contact Person
- Tender # and Name
- Phone Number
- Email address

**Failure to register will result in non-acceptance of your submission.**

### 2. INVITATION

The Township of Champlain is giving the opportunity to dealers in the area to submit prices for the supply of a Walk-In Rescue Fire Truck with various equipment as specified in this tender document.

Wherever the word "Corporation", "Authority", "Owner" or "Township" appears in this document, it shall be interpreted as meaning the "Corporation of the Township of Champlain".

### 3. QUERIES/ADDENDA

- a) All queries regarding all aspects of this tender shall be addressed to the Contracting Authority shown below.

Paula Knudsen  
Chief Administrative Officer  
Township of Champlain  
[paula.knudsen@champlain.ca](mailto:paula.knudsen@champlain.ca)

- b) Inquiries must be received in writing (e-mail) no later than 4 p.m. May 3, 2019 in order to ensure adequate time remains to issue any required addenda. Addenda may be issued during bidding period. All addenda become part of the tender documents.
- c) Respondents are advised that all communications with the Township related to this tender during the bidding process must be made directly and only with the Contracting Authority.
- d) The Contracting Authority will only make official modifications to the Tender process, or to the actual “terms of reference” through official addendum issue. Any oral statement or other representation from any source should not be accepted as binding, unless confirmed through an official written addendum.
- e) No officer, agent or employee of the Township of Champlain is authorized to alter orally any of this tender document. If it becomes necessary to revise, delete, substitute or add to any part of the tender document, a written addendum will be issued. The bidder must acknowledge reception of any addendum on the bid form of this tender document as “Appendix D” and include with the sealed tender.

#### **4. CONDITION OF SUBMISSION**

- a) Two (2) complete sets of sealed bids, one marked “Original” and one marked “Copy” must be submitted on the enclosed forms of this tender document and must be returned to the

Township of Champlain  
Attn: Paula Knudsen, CAO  
948 Pleasant Corner Road East  
Vankleek Hill, Ontario K0B 1R0

no later than **2:00 p.m. local time, on Tuesday, May 21, 2019** in a sealed envelope clearly identified as to contents with the Bid Label located in “Appendix A” at the end of this document.

- b) Bid Form “Appendix B” included in this tender document must be signed, sealed or witnessed and submitted with the Bid; otherwise the Bid will be rejected.
- c) Courier envelopes shall clearly stipulate the destination address. Courier envelopes will be opened by Township staff; therefore, it is important to make sure that the submission is sealed in a ‘TENDER’ envelope within the courier envelope.
- d) Offers will be opened publicly immediately after the time for receipt of Bids in the Council room.
- e) Offers submitted after the above time shall be returned to bidder unopened.

- f) Sealed bids must be submitted on the enclosed form(s) of this tender document and must be returned
- g) The Tender must be legible. Tenders that are incomplete, unbalanced, conditional or obscure, or which contain erasures or alterations not properly initialled, or irregularities of any kind, may be rejected as informal or void.
- h) The Bid must not be restricted by a statement added to the Tender Form or a covering letter, or alterations to the Tender Form provided by the Township.
- i) Adjustments by facsimile, email or letter to a Tender already submitted will not be considered. A Bidder desiring to make adjustments to a Tender must withdraw the Tender and/or supersede it with a later Tender submission.
- j) The Tender Form must be signed and witnessed in the spaces provided on the form, with the signature of the Bidder or of a responsible official of the organisation bidding. If a joint bid is submitted, it must be signed and witnessed on behalf of each of the Bidders and if the signing authority for each Bidder is vested in one individual, he shall sign separately on behalf of each Bidder.
- k) Prices are to be in Canadian funds and are to be exclusive of HST, which is to be added and shown separately, as applicable, on the form supplied.

## **5. OFFER ACCEPTANCE OR REJECTION**

- a) The Township reserves the right to accept or reject any or all tenders. The lowest or any tenders may not be accepted by the Township.
- b) The award of this contract is subject to the approval of the Corporation of the Township of Champlain. The Township reserves the right to reject the quote of any bidder who does not furnish evidence of sufficient capital, plant, and experience to successfully execute the work in the specified time should such evidence be requested.
- c) Bids that are unsigned, improperly signed or sealed, conditional, illegible, obscure, contain arithmetical errors, erasures, alterations, or irregularities of any kind, may at discretion of the Owner, be declared informal.
- d) The Bidder acknowledges that the Owner shall have the right to reject any, or all, quotes for any reason, or to accept any quotes which the Owner in its sole unfettered discretion deems most advantageous to itself. The lowest, or any, quote will not necessarily be accepted and the Owner shall have the unfettered right to:
  - i. Accept a non-compliant quote;
  - ii. Accept a quote which is not the lowest quote; and
  - iii. Reject a quote that is the lowest quote even if it is the only quote received.
- e) The Owner reserves the right to consider, during the evaluation of Tenders;

- i. information provided in the Tender document itself;
  - ii. information provided in response to enquiries of credit and industry references set out in the Tender;
  - iii. information received in response to enquiries made by the Owner of third parties apart from those disclosed in the Tender in relation to the reputation, reliability, past working experience, and/or with the Township and capabilities of the Bidder;
  - iv. the manner in which the Bidder provides services to others;
  - v. the experience and qualification of the Bidder's senior management, and project management;
  - vi. the compliance of the Bidder with the Owner's requirements and specifications; and
  - vii. innovative approaches proposed by the Bidder in the Tender, and,
  - viii. the Owner's policies relating to tendering and issuing contracts to third parties.
- f) The Bidder acknowledges that the Owner may rely upon the criteria which the Owner deems relevant, even though such criteria may not have been disclosed to the Bidder. By submitting a Tender, the Bidder acknowledges the Owner's rights under this Section and absolutely waives any right, or cause of action against the Owner and its consultants, by reason of the Owner's failure to accept the Tender submitted by the Bidder, whether such right or cause of action arises in contract, negligence, or otherwise.
- g) This Request for Tender follows all terms and conditions as per The Township's Procurement Policy. For reference, the procurement policy is available on the Corporation's Web site [www.champlain.ca](http://www.champlain.ca).
- h) More than one bid submission from an individual firm, partnership, corporation or association under the same or different names will not be considered however the same supplier can provide more than one bid if the supplied vehicle is different from his other bids. Collusion between Bidders will be sufficient cause for rejection of all Bids so affected.
- i) Tenders must be submitted on the forms provided and shall be accompanied by a completed copy of the Specifications and Confirmation. Pages 10 to 34 are an integral part of this tender form and shall be submitted and signed where required. Bidders must complete all items under the confirmation column as indicated. The Township may reject any tender as unacceptable if the confirmation is not complete or if any answer to say confirmations 'no', or if the bidder's specified rating is less than that required by the specification.
- j) The quoted price is for the supply and delivery of specified equipment including all applicable taxes, freight, service and preparatory charges.

- k) Suppliers are invited to submit proposals for optional equipment, which they may have available and which may improve the cost effectiveness, durability, efficiency and operation of the equipment specified herein. Such proposals shall be submitted on the supplier own letterhead or quotation for and shall be incremental to the price tendered for equipment meeting the specifications.
- l) The Township of Champlain reserves the right to abandon, change, include or order items from other suppliers for all or any part of the supplies identified in the Bid Form of this document. Due to budget changes or restrictions, the Owner, or his representative, without invalidating the contract, may make changes by altering, adding to or deducting from the quantities. In the case, of a reduction or alteration of the quantities no compensation shall be made for profit or administrative fees to the supplier.
- m) Bid prices will be valid for a period of sixty (60) calendar days from the date of the tender closing date.

## **SECTION 2 - GENERAL CONDITIONS**

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### **1. Part 1: Supplying and delivering one (1) new 2018, 2019 or 2020 Walk-In Rescue Fire Truck as specified in this tender document**

#### **Delivery of the Unit and Equipment**

a) The unit shall be delivered at the following location identified below:

Township of Champlain Station 1 Fire Hall, 5857 Hwy 34, Vankleek Hill, Ontario,  
Michel Martin, Fire Chief Station (613) 551-2701

b) The supplier shall only invoice for the delivered unit and accepted by the Owner. The invoice shall be given to the owner, mailed or emailed to:

Champlain Township  
948 Pleasant Corner Road East  
Vankleek Hill ON K0B 1R0  
[paula.knudsen@champlain.ca](mailto:paula.knudsen@champlain.ca)

c) Acceptance of the delivered unit and equipment will be made at the completion of all required tests, inspections, and receipt of all specified equipment. Equipment items not delivered at the time of the tests, or construction not in conformance with the tender will be cause for the accepting authority to withhold payment until delivery is complete and acceptable.

d) The unit shall be complete and operational at the time of delivery. The successful bidder shall supply any equipment not specifically mentioned herein necessary for the successful operation of the equipment.

e) The completion and delivery of the vehicle will not exceed ten (10) calendar months from the date the contract is awarded. The supplier may be charged liquidated damages in the amount of \$200 per calendar day until the delivery of the vehicle.

### **2. Factory Authorized Service Facility**

a) In order to maintain a complex unit, the experience and reliability of the factory-authorized service centre is of major concern to the Township of Champlain;

b) The service facility must have a minimum of five (5) years experience in repairing and maintaining fire vehicles of the make and type of the vehicle being bid;

c) The facility must be within 150 km of the Township of Champlain;

- d) The bidder shall submit the address, description and recent photos of the service centre along with the bid.

### **3. Commercial General Liability Insurance**

- a) The Supplier, prior to the commencement of work, shall obtain and maintain until the termination of the agreement or otherwise stated, provide the Township of Champlain with evidence of:
- b) Commercial General Liability Insurance issued on an occurrence basis for an amount of not less than \$5,000,000. per occurrence / \$5,000,000. annual aggregate for any negligent acts or omissions by the supplier while carrying out the work associated with the tender. Such insurance shall include, but is not limited to bodily injury and property damage including loss of use; personal injury; contractual liability; premises, property & operations; non-owned automobile; broad form property damage; broad form completed operations; owners & suppliers protective; occurrence property damage; products; employees as Additional Insured(s); contingent employers liability; tenants legal liability; cross liability and severability of interest clause.
- c) Such insurance shall add the Township of Champlain as Additional Insured with respect to the operations of the Supplier. This insurance shall be non-contributing with and apply as primary and not as excess of any insurance available to the Township of Champlain.
- d) The Supplier shall indemnify and hold the Township of Champlain harmless from and against any liability, loss, claims, demands, costs and expenses, including reasonable legal fees, occasioned wholly or in part by any negligence or acts or omissions whether willful or otherwise by the supplier, their officers, employees or other persons for whom they are legally responsible.
- e) The above noted policies shall not be cancelled, altered or lapsed unless the Insurer notifies the Township of Champlain in writing at least thirty (30) days prior to the effective date of the change or cancellation.

### **4. DOCUMENTS TO ACCOMPANY THE BID**

- a) Two copies of all the following documents must be supplied with the bid:
- Bid form (Appendix “B”);
  - Bidder’s Declaration (Appendix “C”)
  - Complete set of Technical Specifications (p. 10 to 34);
  - Weight distribution calculations for the fully loaded unit;
  - General layout drawings showing the front, rear, top, left and right side views of the unit representative of the bid submission;
  - Canadian Welding Bureau certification;



- A minimum of five (5) references of units built in the previous year, including contact information;
- Address, description and recent photos of the service centre;
- Proof of insurance coverage.

## SECTION 3 - TECHNICAL SPECIFICATIONS

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
<b><u>1. CHASSIS SPECIFICATION</u></b>				
	<p>The vehicle chassis shall be a 2018, 2019 or 2020 4 X 2, 2 Doors.</p> <p>The chassis shall be put into service and operated in the country of Canada (CAN) and shall meet the regulatory requirements of the same.</p> <p>The entire chassis specifications shall be provided with the bid.</p>			
1.1	<p><b><u>GROSS VEHICLE WEIGHT RATING (GVWR)</u></b></p> <p>The gross vehicle weight rating (GVWR) of the chassis should be no less than 37,000 pounds.</p>			
1.2	<p><b><u>WHEEL BASE (WB) AND CAB TO AXLE (CA)</u></b></p> <ul style="list-style-type: none"> <li>• The chassis wheel base should be 211"</li> <li>• The chassis cab to axle (CA) should be 144"</li> </ul>			
1.3	<p><b><u>FRAME</u></b></p> <p>The frame shall be constructed of (120,000 PSI) 10.250" X 3.610" X 0.375" high strength low alloy steel parallel running rails.</p>			
1.4	<p><b><u>DIESEL ENGINE EPA 2010 / CARB EMISSION CERTIFICATION</u></b></p> <p>The chassis engine shall be Diesel. The engine should offer a rating of 300 horse power at 2200 RPM and shall be governed at 2200 RPM. The torque rating should feature 860 foot pounds of torque at 1300 RPM. The engine shall include the following components:</p> <ul style="list-style-type: none"> <li>• Mechanical air inlet restriction gauge</li> <li>• Automatic high idle speed control</li> <li>• 12V starter motor</li> <li>• Spin on cartridge oil filter</li> <li>• Engine mounted fuel filter</li> </ul>			
1.5	<p><b><u>AUXILIARY BRAKE SYSTEM</u></b></p> <p>Engine exhaust brake integral with variable geometry turbo.</p>			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
1.6	<b><u>RADIATOR</u></b>  The radiator shall be equipped with an overflow tank, a visual level indicator and high quality rubber hoses.			
1.6.1	The coolant shall be certified down to a temperature of - 40 Degree C			
1.7	<b><u>AUTOMATIC TRANSMISSION</u></b>  Automatic transmission Should be an Allison.			
1.7.1	Synthetic transmission oil shall be used.			
1.8	<b><u>TOP SPEED</u></b>  The top speed of the vehicle shall be 68 MPH (105 Km/hr.) as per NFPA 1901-2009			
1.9	<b><u>FRONT AXLE</u></b>  The weight capacity of the front axle shall be rated to 14,000 pounds minimum.			
1.1	<b><u>FRONT SUSPENSION AND SHOCK ABSORBERS</u></b>  The front suspension shall include 14,000 pounds taper leaf springs and intensive use shock absorbers minimum.			
1.11	<b><u>FRONT TIRES AND WHEELS</u></b>  The two (2) front tires shall be Good Year G287 MSA 12R22.5, (or equivalent) 16 ply mounted on 22.5" X 8.25" polished aluminum front disc wheels with chromed steel lug nut covers and baby moons.			
1.12	<b><u>REAR AXLE</u></b>  The weight capacity for the rear axle shall be rated to 23,000 pounds minimum.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
1.13	<b><u>AIR REAR SUSPENSION AND SHOCK ABSORBERS</u></b>  The air rear suspension shall be 23,00 pounds with kneel down air suspension and intensive use shock absorbers.			
1.14	<b><u>REAR TIRES AND WHEELS</u></b>  The four (4) rear tires shall be Good Year G622 11R22.5 RSD, (or equivalent) 14 Ply mounted on 22.5" X 8.25" polished aluminum rear disc wheels with chromed steel lug nut covers and baby moons.			
1.15	<b><u>TIRE PRESSURE INDICATOR</u></b>  Each tire shall be equipped with tire pressure indicators. The indicator shall turn green when the tire is properly inflated and shall turn red when the tire pressure is 10% from optimal pressure.			
1.16	<b><u>ABS BRAKE SYSTEM WITH ESC/ATC</u></b>  An ABS air brake system shall be provided. The ABS system shall have an electronic microprocessor. Each wheel shall be controlled individually. An electronic stability program (4-channel) with automatic traction control shall be included.			
1.17	<b><u>AIR BRAKE SYSTEM COMPONENTS</u></b>  <ul style="list-style-type: none"> <li>• Brake chambers, spring;</li> <li>• Slack adjusters front automatic;</li> <li>• Slack adjusters rear automatic;</li> <li>• Parking brake;</li> <li>• Drain valve;</li> <li>• Air pressure gauge;</li> <li>• Security valve below 80 PSI for air accessories</li> <li>• The park brake shall be designed for intensive use and shall engage via mechanical spring force;</li> <li>• Front and rear brakes shall be equipped with automatic slack adjusters;</li> <li>• 80 PSI security valve for air accessories;</li> <li>• Air lines shall be made of colour coded reinforced nylon</li> </ul>			
1.18	<b><u>AUTOMATIC DRAIN VALVE</u></b>  One (1) Bendix DV-2 heated automatic drain valve shall be installed.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
1.19	<b><u>AIR COMPRESSOR</u></b>  The air brake system shall be equipped with a Bendix Tu-Flo 550. 13.2 CFM compressor with air tank drain valves.			
1.20	<b><u>AIR DRYER</u></b>  The brake system shall include one (1) heated Bendix AD-9 air dryer.			
1.21	<b><u>FRONT AIR BRAKES</u></b>  The front air brakes shall be 16.5" X 5" S-Cam type with brake chamber and dust shield.			
1.22	<b><u>REAR AIR BRAKES</u></b>  The rear air brakes shall be 16.5" X 5" S-Cam type with brake chamber and dust shield.			
1.23	<b><u>STEERING AND POWER STEERING</u></b>  The cab shall include and 18" - 2 spoke tilting and telescopic steering wheel. The truck must have power steering.			
1.24	<b><u>EXHAUST SYSTEM</u></b>  The cab shall include single, horizontal, aluminized steel, right side mounted exhaust system with the tip in front of the rear wheels.			
1.24.1	There shall be one (1) control for regeneration inhibit installed on dash board.			
1.25	<b><u>STANDARD 12 VOLT ELECTRICAL SYSTEM</u></b> <ul style="list-style-type: none"> <li>• Electrical Fuse, SAE:</li> <li>• The halogen headlights shall be long lasting and equipped with the (DRL) feature:</li> <li>• Two (2) single electric horns;</li> <li>• Parking lights:</li> <li>• Five (5) LED cab marker lamps to top face of cab;</li> <li>• Dome lamp activated by door opening;</li> <li>• Windshield wiper system with intermittent control;</li> <li>• Light in cab when ignition is on;</li> <li>• Heater</li> <li>• Air-conditioning system</li> <li>• 12 Volt outlet on dash board</li> </ul>			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
1.26	<b><u>ALTERNATOR</u></b>  The charging system shall include a Leece-Neville # 14931PAH, 12 Volt, 320 amp or greater alternator with an integrated regulator.			
1.27	<b><u>BATTERY SYSTEM</u></b>  Three (3) batteries 12-Volt 1950 CCA total shall be mounted in the cab step on the driver side. The step shall be aluminum tread plate cover.			
1.28	<b><u>FUEL TANK</u></b>  There shall be one (1) 50 U.S. gallon (189 liters) fuel tank mounted under the cab on the right side.			
1.29	<b><u>ALUMINUM CAB STEPS</u></b>  The original cab steps on both sides of the cab shall be removed and replaced by custom 3003-H22 tread plate steps. The steps shall meet CAN/ULC-S515-13 standard and the first step shall be at 18" maximum from the ground.			
1.30	<b><u>FRONT BUMPER AND GRILLE</u></b>  <ul style="list-style-type: none"> <li>• Polished steel front bumper shall be provided;</li> <li>• A chrome plastic grille shall be provided.</li> </ul>			
1.31	<b><u>FRONT BUMPER AND TOW HOOKS</u></b>  Two (2) painted tow hooks shall be installed at the front of each frame rail.			
1.32	<b><u>DOOR GLASS AND WINDSHIELD</u></b>  The glass utilized for doors and windshield shall be standard automotive tint. The door windows shall roll up and down manually utilizing a crank style handle on the inside of the door.			
1.33	<b><u>DRIVER SEAT</u></b>  The driver seat shall be a 911 model. It shall be equipped with air suspension, high back with integral headrest, orange three point shoulder harness with lap belt and NFPA 1901-2009 compliant sensor.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
1.34	<b><u>OFFICER SEAT</u></b>  The officer seat shall be a 3/4 bench seat equipped with lap belts.			
1.35	<b><u>CAB INTERIOR</u></b>  <ul style="list-style-type: none"> <li>• Standard grey vinyl interior;</li> <li>• Moulded door panel with high quality inserts;</li> <li>• Interior grab handles;</li> <li>• Insulated black vinyl floor mats;</li> <li>• Two (2) Sun visors;</li> <li>• LH/RH door activated dome light, dual reading lights and LH and RH door mounted courtesy lights ;</li> <li>• Heater / defroster and air climate.</li> </ul>			
1.36	<b><u>MIRRORS</u></b>  Two (2) dual Lang Mekra bright finish heated mirrors with LH and RH remote shall be supplied. Two (2) 8" bright finish convex mirrors shall be mounted under primary mirrors.			
1.37	<b><u>AIR HORNS</u></b>  The chassis shall include (2) 24" Grover Stutter tone connected to the air system and located on each side of the engine hood. The air horn activation shall be accomplished by the steering wheel horn button for the driver and a black momentary push button on the switch panel.			
1.38	<b><u>EMBER SEPARATOR</u></b>  The engine air intake system shall include an ember separator air intake filter as per NFPA latest edition.			
1.39	<b><u>CAB SUSPENSION</u></b>  The cab suspension shall be air type suspension.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
1.40	<p><b><u>INSTRUMENTATION</u></b></p> <p>Instrumentation and controls shall be mounted in the driving compartment and shall be identified and visible to the driver while seated as follows:</p> <ul style="list-style-type: none"> <li>• An engine hour meter is required;</li> <li>• Air cleaner restriction gauge;</li> <li>• Speedometer;</li> <li>• Tachometer;</li> <li>• Odometer;</li> <li>• Oil pressure indicator or gauge;</li> <li>• Coolant temperature indicator or gauge;</li> <li>• Automatic transmission temperature indicator or gauge, if applicable;</li> <li>• Voltmeter;</li> <li>• Hazard indicator light;</li> <li>• Air pressure gauge, if applicable;</li> <li>• Turn signal control and indicator lights;</li> <li>• Headlight DOT light switch;</li> <li>• High beam headlight switch and indicator;</li> <li>• Fuel level gauge (s);</li> <li>• Master ignition switch;</li> <li>• Heater/ defrost controls;</li> <li>• Warning lights, scene lights and siren switches;</li> <li>• Master electrical load switch;</li> <li>• "Battery On" indicator light;</li> <li>• Windshield wiper and windshield washer control;</li> <li>• PTO - engaged indicator, if applicable;</li> <li>• Height of vehicle sign.</li> </ul>			



## 2. ALUMINUM BODY

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
2.1	<p><b><u>GENERAL</u></b></p> <p>The apparatus body shall be constructed in order to meet Federal , Provincial laws and CAN/ULC-S515-13 standard and NFPA 1901-2009 latest edition. <b><u>Maximum total vehicle height is 11 Ft. 6 inches.</u></b></p>			
2.2	<p>The bidders shall be approved by the Canadian Welding Bureau for aluminum W 47.2 and steel W47.1.</p>			
2.3	<p><b><u>CONSTRUCTION BODY</u></b></p> <p>The body shall be made of aluminum sheet and extrusion. It shall be modular type. The length of the body shall be 222" (18.5 ft) There shall be a intercom / camera system between the cab and the body unit.</p>			
2.3.1	<p>The aluminum sheet shall be 5052H34 type of a better corrosion resistance. The aluminum tread plate shall be 3003-H22</p>			
2.3.2	<p>The main panel shall be made of 3/16" thick aluminum and 1/8" for compartment dividers.</p>			
2.3.3	<p>In order to prevent future corrosion, no vertical or horizontal external body extrusions shall be acceptable. Outside body corners, both vertical and horizontal, shall be 3 smooth continuous panels of 3/16" 5052H aluminum meeting at 90 degree angle with no joints, seams, extrusions or indentations. Body corners to be fully painted continuous smooth corners.</p>			
2.3.4	<p>When completed, the compartments shall form an integrated body fully welded and sealed without any slots or spot welds.</p>			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
2.3.5	The body cross members shall be made of extruded aluminum 6061 T6 3" X 3" X 1/4". They shall sit on aluminum flat bar 3" X 3/4".			
2.3.6	Each cross member shall be welded to the back of the compartment. The cross member on each side of the rear wheel shall be the full width of the body.			
2.3.7	For a good stress distribution, two cross members shall be side by side at the front of the body and one fully welded on the overall width of the rear of the body and supported by the end of the frame rail.			
2.4	<b><u>SIDE FENDERS AND LINERS</u></b>  The side fenders shall be made of painted aluminum 5052H32.			
2.4.1	Stainless Steel fenders shall be welded on the contour of the fender and be painted the same as the body.			
2.4.2	A removable 1/8" aluminum liner shall be installed around the rear wheels to protect the body.			
2.5	<b><u>COMPARTMENT VENTILATION</u></b>  A 4" aluminum vent shall be punched directly in the back wall of each compartment and be an integrated part of the body. Vents that will be bolted or welded to the body will not be acceptable.			
2.6	<b><u>REAR BODY</u></b>  The rear body back wall shall be constructed of material to facilitate the application of chevron striping.			
2.6.1	The rear step shall be made of aluminum tread plate with "grip strut" insertion of 40% of the surface. It shall be bolted to the main body. A nylon washer of 1/4" thick shall leave a gap between the body and the step. The steps shall be equally spaced.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
2.6.2	An aluminum 6061-T6, 3" X 3/4" flat bar shall be installed over the overall length of the frame. The body cross member shall be welded to it.			
2.6.3	The body shall be attached to the vehicle frame through a "U" bolt system. Springs shall be used to reduce torsional stress on the body. Side to side stoppers shall be welded to the cross member to maintain alignment of the body.			
2.6.4	A rubber slat shall be installed between the frame and the flat bar.			
2.7	<p><b><u>ROOF AND FLOOR CONSTRUCTION</u></b></p> <p>The exterior roof and the floor of the unit shall be covered with 3003-H aluminum tread plate. There shall be cross members at each 12" for the floor and at each 16" for the roof. (or as per standard)</p>			
2.8	<p><b><u>RUB RAILS</u></b></p> <p>A "U" rub rail made of aluminum anodized extrusion 6061 T6 shall be installed on each side of the body.</p>			
2.8.1	A nylon washer shall leave a gap with the body in order to eliminate salt and water retention.			
2.8.2	A reflective white strip and clearance position lights shall be installed in the rub rails.			

### 3. AMDOR ROLL-UP COMPARTMENT

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
3.1	<p>Compartment doors shall be equipped with ardor brand roll-up doors complete with the following features;</p> <ul style="list-style-type: none"> <li>• 1" aluminum double wall slats with continuous ball &amp; socket hinge joint and recessed dual durometer slat seal;</li> <li>• Double wall reinforced bottom panel with stainless steel lift bar latching system;</li> <li>• Bottom flange with cut-outs for ease of access with gloved hands;</li> <li>• Reusable slat shoes with positive snap-lock securement;</li> <li>• Smooth interior door curtain to prevent equipment hang-ups;</li> <li>• One-piece aluminum door track/side frame;</li> <li>• Top gutter with non-marring seal;</li> <li>• Non-marring recessed side seals with UV stabilizers to prevent warpage;</li> </ul> <p><b>***Price comparison between roll-up and barn doors.***</b></p>			
3.1.1	Dual leg bottom seal, with all wear components material to be Type 6 Nylon.			
3.1.2	A 30 amp. magnetic switch with 2 contacts shall be used for the light control.			
3.2	<p><b><u>AMDOR LUMA BAR COMPARTMENT LIGHTING</u></b></p> <p>All compartment lighting will be comprised of the Amdor Luma Bar LED system without exception or substitution. The Amdor Luma Bar system utilized will include the following key features:</p> <ul style="list-style-type: none"> <li>• Wide angle 120 degree surface mount LED installed on a printed circuit board for shock and vibration resistance;</li> <li>• Lighting will be enclosed within a high impact polycarbonate enclosure;</li> <li>• Output will exceed NFPA 1901 compartment lighting standard;</li> <li>• Draw not to exceed 130 mA per foot/ forward voltage of 20 mA per LED;</li> <li>• 21" boards will be connected in series using a high grade Molex connector;</li> <li>• Lighting system will include the patented ability to aim the printed circuit board for differing applications and compartment layouts;</li> <li>• System will provide the option to utilize an extruded aluminum retainer for installation.</li> </ul>			

**4. DIMENSIONS OF THE COMPARTMENTS**

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
4.1	The following compartments shall be provided. <b>***The sizes of these will be based upon the size of the body.***</b>			
4.2	<b>Outside of body</b> <ul style="list-style-type: none"> <li>Five (5) compartments on the Left side</li> <li>Four (4) Compartments on the right side.</li> </ul>			
4.3	<b>Inside Body</b> <ul style="list-style-type: none"> <li>Cubbies 20" X 20"</li> <li>Seven of... on the bottom row - left side.</li> <li>Seven of... on the top row - left side.</li> <li>Seven of... on the bottom row - right side.</li> <li>Seven of... on the top row - right side.</li> <li>Total of 14 cubbies on each side.</li> </ul>			

**5. BRACKETS / TRAYS / SHELVES**

5.1	<b><u>SUPPORTS FOR EQUIPMENT</u></b>  Two (2) folding wheel chocks supports installed ahead of the rear wheel.			
5.2	<b><u>SLIDING TRAYS</u></b>  The sliding trays will be able to support a minimum weight of 250 lbs. It shall have an opening and close holding device.			
5.3	<b><u>VERTICAL TOOL BOARDS</u></b>  The sliding trays will be able to support a minimum weight of 250 lbs. It shall have an opening and close holding device.			
5.4	<b><u>SLIDE MASTER TIP DOWN TRAYS</u></b>  Innovative Industrial Slide Master Tip Down Trays model SMT-steel shall be provided.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
5.5	<p><b><u>ADJUSTABLE SHELVES</u></b></p> <p>The shelf will be bolted to an aluminum track which will permit the up and down adjustment. Each compartment shall have an aluminum track that will support the load of three (3) trays and tray loads.</p>			
5.6	<p><b><u>SCBA TRAYS</u></b></p> <p>There shall be one(1) slide tray which will hold 4 to 6 air packs.</p>			
<b><u>6. INTERIOR WALK-IN RESCUE</u></b>				
6.1	<p><b><u>POSTE DE TRAVAIL - COMMAND POST TABLE</u></b></p> <p>A removable table for command post shall be provided on the left side of the unit under the window.. The storage of the table shall be located on the right side of the unit.</p>			
6.2	<p><b><u>INTERIOR / EXTERIOR COMPARTMENTS</u></b>  <b>SEE SECTION - 5.1 FOR DIMENSIONS AND INFORMATION</b></p>			
6.3	<p><b><u>SEATS</u></b></p> <p>One (1) - 4 person bench seat. They shall be equipped with High back, integral headrest, orange or red three point shoulder harness with lab belt and NFPA 1901-2009 compliant. This will be rear facing in the front of the body.</p>			
6.4	<p><b><u>REAR ACCESS DOOR</u></b></p> <p>A single rear access door with an upper and lower fixed window shall be provided. The handle shall be "D-Ring" with a stainless steel fixture.</p>			
6.5	<p><b><u>PASSENGER SIDE FRONT ACCESS DOOR</u></b></p> <p>A single front passenger side access door with an upper and lower fixed window shall be provided. The handle shall be "D-Ring" with a stainless steel fixture.</p>			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
6.6	<b><u>SLIDING WINDOWS</u></b>  Double sliding windows shall be installed on the driver side wall at the front of the unit centered above the command post table.			
6.7	<b><u>INSULATION</u></b>  Urethane insulation 2" thick minimum shall be applied on each wall, floor and on the ceiling of the interior unit.			
6.7.1	Aluminum tread plate 3003-H32 shall cover the back walls of the outside compartment. The floor of the unit shall be made of BC FIR 3/4" with C102 aluminum. The command post section and ceiling shall be covered with 3/8" plywood with the addition of white NRP plastic lining.			
<b><u>7. PAINT AND REFLECTIVE STRIPPINGS</u></b>				
7.1	Automotive high quality paint shall be used			
7.1.1	The vehicle shall be painted two (2) tones. It shall be white in the upper section of the cab and red in the lower section. The rear body shall be red. The paint shall be as per the customer standard color.			
7.1.2	All the accessories shall be installed, adjusted and removed before the paint is applied. All components shall be painted separately to ensure complete paint application for corrosion protection.			
7.1.3	The inside of the compartment and the door shall be coated with a high scratch resistant Zolaton product. This product shall have a four step application; sanding and cleaning, base coat, monochrome coat and the camouflage coat to hide potential scratches.			
7.1.4	One pint of touch up paint shall be provided.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
7.2	<b><u>REFLECTIVE STRIPES AND LETTERING</u></b>			
7.2.1	The lettering of the vehicle doors should be done according to the instruction of the Fire Chief. The logo will be provided by the Municipality.			
7.2.2	A 4" "Scotch Lite" reflective white stripe shall be installed around the vehicle.			
7.3	<b><u>REAR CHEVRONS</u></b>  Reflective striping (Chevrons) red and yellow colour shall be applied on the rear surface in accordance with NFPA 1901-2009.			
<b><u>8. ELECTRICAL SYSTEM</u></b>				
8.1	<b><u>GENERAL</u></b>  All electrical equipment shall be conformed to modern automotive practice. C.M.V.S.S. (Canada Motor Vehicle Safety Standards), CAN/ULC-S515-13 and NFPA 1901-2009 latest edition.			
9.1.1	Warning devices signaling the call for the right-of-way or stopping shall be conformed to CAN/ULC-S515-13.			
9.1.2	The apparatus shall be equipped with a multiplex electrical system. Electrical boxes, breakers and relays shall not be accepted.			
9.1.3	All electrical components shall be water resistant and shall be designed to operate in heavy moisture conditions.			
9.1.4	All 12 Volt electrical wire shall be GXL automotive type.			
9.1.5	All wiring connections shall be made with GM type connectors. Dielectric grease shall be applied on each connector to protect from moisture and corrosion.			
9.1.6	A thermo retractive sleeve shall be used on each wire to wire connection.			



ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
9.1.7.	All wiring shall be thoroughly secured, suitably supported and protected with loom against heat, oil and physical injury.			
9.1.8	Rubber grommets shall be used to protect any electrical wire passing through the body wall.			
9.1.9	All wires shall be colour and number coded. Also the function of each wire shall be printed every 6". A sample shall be supplied with the tender.			
9.1.10	A cut-off switch shall be installed in the cab. The cut-off shall be connected directly to the batteries. Green "battery on" pilot light visible from the drivers position is required.			
9.2	<b><u>V-MUX MULTIPLEX SYSTEM</u></b>			
9.2.1	The electrical system shall be Weldon V-Mux multiplex. No equivalent.			
9.2.3	The bidder shall supply V-Mux operation literature with the bid.			
9.2.4	A V-Mux Multiplex training certificate shall be supplied by the Weldon Company. Also the bidder shall supply a customer's list (10 vehicles minimum) using this multiplex system.			
9.2.5	The multiplex electrical system shall include three(3) "Input-Output" nodes minimum. They shall be located in a manner as to minimize the length of the electrical harness.			
9.2.6	The system shall include a diagnostic software connection at the proximity of the driver.			
9.3.	<b><u>CAB CONSOLE CONTROLS</u></b>			
9.3.1.	Rocker switches shall be provided on the center dash / console. <b>USB plugs</b> must be provided both in the cab and the box.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
9.4.	<b><u>DATA RECORDING SYSTEM</u></b>			
9.4.1	<p>The vehicle shall have a Weldon Vehicle Data Recorder system installed with a Weldon Occupant Restraint Indicator # 6204-0000-00. The system shall be designed to meet NFPA 1901-2009 and shall be integrated with the Weldon Multiplex electrical system. The following information shall be recorded.</p> <ul style="list-style-type: none"> <li>• Vehicle Speed</li> <li>• Acceleration</li> <li>• Deceleration</li> <li>• Engine Speed</li> <li>• Engine Throttle Position</li> <li>• ABS Event</li> <li>• Seat Occupied Status</li> <li>• Seat Belt Status</li> <li>• Master Optical Warning Device Switch Position</li> <li>• Time</li> <li>• Date</li> </ul>			
9.4.2	Each portion of the data shall be recorded at the specified intervals and stored for the specified length of time to meet NFPA 1901-2009 guidelines and shall be retrievable by connecting a laptop computer to the VDR system.			
9.5.	<b><u>SIREN AND SPEAKER</u></b>			
9.5.1	One (1) Federal Signal PA300 MSC electronic siren shall be installed in the cab and a 100 watt Federal Signal BP100-100W siren speaker shall be mounted behind the front bumper.			
9.6.	<b><u>DO NOT MOVE APPARATUS WARNING</u></b>			
9.6.1.	A flashing red light and an audible alarm shall be programmed into the V-MUX system which shall sound when a door is open, the air brake is released and the vehicle is shifted into gear. The light and alarm shall be interlocked for activation when a cab door is not firmly closed, an apparatus cabinet door is not closed and the parking brake is released.			
9.7.	<b><u>BACK-UP ALARM</u></b>			
9.7.1	An electronic audible back-up alarm Grote 73250 shall be provided and activated when the truck is shifted to the reverse gear position.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
9.8.	<b><u>BACK-UP CAMERA</u></b>			
9.8.1	A Federal Signal camera CAMSET 70-NTSC4B Shall be provided and installed at the rear of the vehicle with 7" monitor in the cab.			
9.9	<b><u>INTERIOR CAB LIGHTING</u></b>			
9.9.1	The interior cab lighting shall be according to the chassis manufacturer standard.			
9.10.	<b><u>LIGHTBAR</u></b>			
9.10.1	One (1) Whelen NFPA FN55QLED 55" lightbar shall be mounted on the chassis cab roof.			
9.11.	<b><u>FRONT WARNING LIGHTS</u></b>			
9.11.1	Two (2) Whelen Series 600 Super LED red warning lights within a chrome bezel shall be mounted on the fascia of the cab.			
9.12.	<b><u>INTERSECTION WARNING LIGHTS</u></b>			
9.12.1	Four (4) Whelen Series 600 Super LED red warning lights within a chrome bezel shall be mounted, one (1) on each front corner of the cab side and one (1) on each rear side behind the rear wheel.			
9.13.	<b><u>REAR WARNING LIGHTS</u></b>			
9.13.1	Two (2) Whelen Series 600 Super LED red warning lights within a chrome bezel shall be mounted at the rear of the vehicle			
9.14.	<b><u>WARNING LIGHTS</u></b>			
9.14.1	Six (6) Whelen Series 900LED shall be installed, two (2) each side upper body corners and two (2) at the rear of the vehicle.			
9.15.	<b><u>SCENE LIGHTS</u></b>			
9.15.1	Six (6) scene lights FRC SPA900-Q65 shall be installed, two (2) each side upper body corners and two (2) at the rear of the vehicle. The two rear scene lights shall be activated when the vehicle is shifted into reverse.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
9.16.	<b><u>HEADLIGHTS</u></b>			
9.16.1	The cab front shall include (2) rectangular halogen headlamps with "Daytime Running" light feature.			
9.17.	<b><u>HEADLIGHT FLASHER</u></b>			
9.17.1	An alternating high beam headlamp flashing system shall be installed in the high beam headlamp circuit which shall allow the high beams to flash alternately from left to right. Deliberate operator selection of high beams will override the flashing function until low beams are again selected. Per NFPA, these clear flashing lights will also be disabled "On Scene" when the park brake is applied. The flashing headlights shall be activated through a virtual button on the V-MUX display.			
9.18	<b><u>TURN SIGNALS</u></b>			
9.18.1	The turn signals shall be according to the chassis manufacturer standard.			
9.19.	<b><u>CLEARANCE AND IDENTIFICATION LIGHTS</u></b>			
9.19.1	The roads lights shall conform to the C.M.V.S.S. regulations.			
9.20.1	<b>On front:(Supplied with chassis)</b> <ul style="list-style-type: none"> <li>• Three (3) LED identification lights;</li> <li>• Two (2) KRD clearance lights;</li> </ul> <b>One Side:</b> <ul style="list-style-type: none"> <li>• Two (2) red clearance light Grote 47092 LED;</li> <li>• Two (2) red reflectors;</li> <li>• Two (2) amber clearance light Grote 47093LED;</li> <li>• Two (2) amber reflectors;</li> </ul> <b>On rear:</b> <ul style="list-style-type: none"> <li>• Three (3) red identification lights Grote 47092 LED;</li> <li>• Two (2) red clearance light Grote 47092 LED;</li> <li>• Two (2) red reflectors;</li> <li>• One (1) LED light for license plate.</li> </ul>			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
9.21.	<b><u>REAR ROAD LIGHTS</u></b>			
9.21.1	<p>The road lights shall conform to the CMVSS regulations. All lights shall be installed in the triple aluminum casting.</p> <ul style="list-style-type: none"> <li>Two (2) Whelen Series 600 LED turn signal with arrow directional lights 602A00TAR shall be mounted at rear of the apparatus;</li> <li>Two (2) Whelen Series 600 Min LED Brake/Tail/Turn lights 60R00BRR shall be mounted at the rear of the apparatus;</li> <li>Two (2) Whelen Series 600 LED back-up lights 60C00VCR shall be provided at the rear of the apparatus. They should be activated when the vehicle is shifted into reverse;</li> </ul>			
9.22	<b><u>TRAFFIC ADVISOR</u></b>			
9.22.1	One (1) Whelen model TAD 8 Super LED traffic advisor shall be installed at the rear of the vehicle.			
9.23.	<b><u>ENGINE COMPARTMENT</u></b>			
9.23.1	Two (2) lights LED shall be located inside the engine hood.			
9.24.	<b><u>GROUND LIGHTS AND CAB STEP LIGHTS</u></b>			
9.24.1	<p>Ground Lumbar H20 ground lights and cab lights shall be supplied at the following location:</p> <ul style="list-style-type: none"> <li>One (1) mounted above the step located under each cab door which shall be activated with the opening of the respective door;</li> <li>Two (2) mounted under the step at the rear and side of the vehicle;</li> </ul> <p><b>These LED lights shall be activated automatically when the parking brake is applied and the chasses clearance lights are on.</b></p>			
9.25	<b><u>BATTERY CHARGER, COMPRESSOR AND AUTO EJECTS</u></b>			
9.25.1	One (1) Super Kit Kussmaul model 091-187-12 Remote B1-S Kit included, One (1) Auto Charge 1200, One (1) Auto Pump 120 volts air compressor, One(1) Super Auto-Eject 20 amp and a remote bar graph shall be mounted on the vehicle. The Super Auto-Eject and remote bar graph shall be installed in the proximity of the door.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
9.26	<b><u>120 VOLT TELESCOPIC LIGHTS</u></b>			
9.26.1.	Four (4) 120 Volt FRC model SPA600-T14 Tripod telescopic LED lights shall be installed, one (1) on each side at the front of the unit behind the cab and one(1) on each side at the rear of the unit. These lights shall have each their own individual waterproof switch.			
9.27.	<b><u>BREAKER BOX</u></b>			
9.27.1.	The 110 V/240 breaker box shall be Square D products with GFI breakers for exterior connections. Each breaker shall be identified for their function and have circuit capacity information. The breaker box shall be located in the (L1) compartment.			
9.28.	<b><u>110 VOLT ELECTRICAL OUTLETS</u></b>			
9.28.1	Three (3) 110 V outlets for radio battery chargers. Location to be in the front of body. The electric wire shall be connected with the main 110 Volt junction box via the shore power transfer switch. (Chargers supplied by the customer)			
9.29.	<b><u>110 VOLT "TWIST LOCK" ELECTRICAL OUTLETS</u></b>			
9.29.1	Four (4) WoodHead 15 amp. Exterior electrical single outlets with weatherproof cover shall be mounted one (1) on each side at the front of the unit behind the cab and one (1) on each side at the rear of the unit. The electric wire shall be connected with the main 110 Volt junction box.			
9.30.	<b><u>120 VOLT / INTERIOR OF THE UNIT</u></b>			
9.30.1.	<ul style="list-style-type: none"> <li>• Two (2) 2000 Watt 240 Volt heaters #OVS2000BL shall be provided and installed on the right walls, one (1) at the front and one (1) at the back of the interior of the unit. <b><u>(Or suppliers recommendation)</u></b></li> <li>• One (1) 15,000 BTU (RED DOT) air conditioner shall be provided and installed in the interior of the unit.</li> </ul>			
9.31.	<b><u>12 VOLT / INTERIOR OF THE UNIT</u></b>			
9.31.1.	<ul style="list-style-type: none"> <li>• One (1) 39,000 BTU, 12 Volt heater, shall be installed under the seats.</li> <li>• Four (4) 60" Amdor Luma bar interior lights;</li> <li>• Three (3) 40" Amdor Luma bar interior lights;</li> </ul>			

**SECTION -10-**

**FINISHING**

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
10.1.	<b><u>PLASTIC FLOORING</u></b>			
10.1.1	3/2" Thickness of plastic flooring shall be installed on the bottom of each compartment, shelf and sliding tray;			
10.2.	<b><u>HANDRAILS</u></b>			
10.2.1	Four (4) aluminum handrails with chrome supports shall be installed, two (2) at the rear of the unit, one (1) on each side of the entrance door and two (2) in the unit near the side entrance door.			
10.3.	<b><u>SCBA CYLINDER STORAGE</u></b>			
10.3.1.	There shall be one (1) SCBA cylinder compartment. This will be constructed of bottle size squares and incorporated in one outside compartment. Preferably to hold a minimum of (10) bottles. To prevent wear on the cylinders the walls of each SCBA storage area or tube shall be protected with a material such as: rubber, plastic, or similar material.			
10.4.	<b><u>REAR TOW EYES</u></b>			
10.4.1	Two (2) tow eyes shall be incorporated to the trailer hitch. The Eyes shall be built with 1" thick steel. Welded to the hitch subframe.			
10.5.	<b><u>TRAILER HITCH AND PORTABLE WINCH</u></b>			
10.5.1	A rear Class five (5) Extra Duty trailer hitch shall be installed at the rear of the vehicle.			
10.6.	<b><u>RECEIVERS - OPTION 1</u></b>			
10.6.1	Three (3) two (2) inch receivers will be provided on the vehicle. One (1) on each side and one (1) in front of the vehicle (receivers must be able to withstand the pulling capacity of the portable winch included.)			
10.6.2	There shall be one receiver in the storage compartment which will house the Portable Winch.			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
10.7.	<b><u>PORTABLE WINCH - OPTION 2</u></b>			
10.7.1	One (1) portable winch 9000 lbs. WARN XD90001;			
10.7.2	12 Volt shall be supplied. Wiring shall be provided at each receiver.			
10.7.3	One (1) winch mount plate with a two (2) inch shank shall be provided and mounted on the winch.			
10.8.	<b><u>MUDGUARD</u></b>			
10.8.1	A mudguard shall be located at the rear of the front an rear wheels;			
10.9.	<b><u>CORROSION PROTECTION</u></b>			
10.9.1	All accessories shall be installed on the vehicle with a special precaution against corrosion.			
10.9.2.	The compartment doors shall be installed, adjusted and well sealed to prevent entry of water and dust.			
10.9.3	An isolation product shall be installed wherever two different materials are in contact. A nylon washer shall be used with stainless steel screws.			
10.9.4	The complete undercarriage and wheel wells from the inside bottom edge of the body up shall be treated with a rubber guard coating.			

<b>SECTION -11-</b>				
<b><u>TESTS, APPROVALS AND MANUALS</u></b>				
11.	The vehicle shall be constructed following ULC/CAN S 515-13 latest edition and NFPA 1901-2009 latest edition;			
11.1.	The U.L.C inspector and all cost related to the test shall be paid by the manufacturer.			
11.2.	The Fire Truck builder shall be certified by the Canadian Welding Bureau standard W47.1 and W47.2. A copy of the certificates shall be included with the tender documents.			



ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
11.3.	<p>The following manuals shall be supplied upon delivery of vehicle:</p> <ul style="list-style-type: none"> <li>• Two (2) chassis driver's manuals and maintenance manuals;</li> <li>• Two (2) engine operator's manuals;</li> <li>• Two (2) transmission operator's manuals;</li> <li>• Manufacturer's warranty literature.</li> </ul>			
11.4.	<p>The following information shall be supplied on two (2) USB flash drives when the vehicle is delivered;</p> <ul style="list-style-type: none"> <li>• Two (2) electrical as built wiring diagrams;</li> <li>• Two (2) Manuals of the Fire Pack components.</li> </ul>			
<b>SECTION -12-</b>  <b><u>EQUIPMENT</u></b>				
12.	<p>The following basic equipment shall be supplied and installed on the vehicle.</p> <ul style="list-style-type: none"> <li>• Two (2) folding wheel chocks Zirco SAC-44-E with supports Zirco SQCH-44-H</li> </ul>			
<b>SECTION -13-</b>  <b><u>PERMANENT NAME AND INFORMATION PLATE</u></b>				
13.	<p>A plate shall show the height of the completed fire fighting apparatus in meters, the length of the completed fire fighting apparatus in meters, and GVWR in kilograms.</p>			
13.1.	<p>A plate, which is permanently fixed in the driving compartment shall provide the quantity and type of the following fluids used in the vehicle;</p> <ul style="list-style-type: none"> <li>• Engine oil;</li> <li>• Engine coolant;</li> <li>• Chassis transmission fluid;</li> <li>• Drive axle(s) lubrication fluid</li> <li>• Air conditioning refrigerant</li> <li>• Air conditioning lubrication oil</li> <li>• Power steering</li> <li>• Transfer case fluid</li> <li>• Air compressor system lubricant</li> <li>• Front tire cold pressure</li> <li>• Rear tire cold pressure</li> </ul>			

ITEMS	DESCRIPTION	CONFORMITY		SPECIFICATION
		YES	NO	
13.2.	A label shall be mounted on the tank fill opening indicating the type of fuel to be used.			
13.3	Hazard light sign required that reads;  "DO NOT MOVE APPARATUS WHEN LIGHT IS ON"			

Champlain Township  
Vankleek Hill Station #1  
Fire Chief

Michel Martin

# APPENDIX A – BID LABEL



Company	CLOSING:
_____	<b>Tuesday May 21, 2019 at 2 :00 P.M</b>
_____	
_____	
<b>TENDER – DO NOT OPEN</b>	
Return to: Township of Champlain 948 Pleasant Corner Road East Vankleek Hill ON K0B 1R0	
Description: <b>TENDER FOR WALK-IN RESCUE FIRE TRUCK</b> <b>FD 2019-01</b>	

**APPENDIX B – BID FORM**

**WALK-IN RESCUE FIRE TRUCK**

**TOWNSHIP OF CHAMPLAIN**

**VANKLEEK HILL FIRES STATION #1**

<b>PRICE SHEET</b>	
<b>Year, Model, Make</b>	
<b>Price:</b>	
<b>Option 1 -</b>	
<b>Option 2 -</b>	
<b>Total Net Price</b>	
<b>HST:</b>	
<b>Total Price:</b>	

I/We agree to supply all necessary labour, materials, plant equipment and services for the execution and completion of the above noted bid in accordance with the Bid Documents.

I/We understand that the price(s) submitted in this bid is/are based upon the acceptance of the Bud within sixty (60) days of the Bid closing date.

I/We have carefully examined all Bid Documents and have a clear comprehensive knowledge of the work required under these documents and all of the working conditions.

I/We are in a position to commence work immediately upon receipt of the Municipality's or its representative's written direction and to carry it through to a prompt and satisfactory conclusion.

I/We hereby certify that, at the time of submitting this bid, I/We are in full compliance with all tax statutes administered by the Ministry of Finance for Ontario and Canada and that, in particular, all returns required to be filed under all provincial and federal statutes have been filed and all taxes due and payable under the statutes have been paid or satisfactory arrangements for their payment have been made and maintained.

I/We have the authority to bind the organization.

Name of Company: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_

Signature: \_\_\_\_\_

Name & Title: \_\_\_\_\_

Company Seal: \_\_\_\_\_

(If company does not have a seal, please have signature witnessed)

Witness Signature: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **APPENDIX C – BIDDER’S DECLARATION**

**To: The Township of Champlain**

**I/We** \_\_\_\_\_  
(name(s))

\_\_\_\_\_  
(title/position)

**Of** \_\_\_\_\_  
(company)

1. DECLARE that I/We are the undersigned authorized signing officer of the bidder.
2. FURTHER DECLARE that no person, firm or corporation other than the one whose signature or the signature of whose proper officers, I attached below, has any interest in this bid or in the contract proposed to be undertaken.
3. FURTHER DECLARE that this bid is made without connection, knowledge, comparison of figures or arrangement with any other company, firm or person making a proposal (unless performed under a “joint” agreement and so declared in the bid), and in all respects is fair and without collusion or fraud.
4. FURTHER DECLARE that we have not communicated with any employee, agent, member of Council of the Township except the Contracting Authority.
5. FURTHER DECLARE that no Township of Champlain employee or member of Council is or will become interested directly or indirectly with any contracting party.
6. FURTHER DECLARE that all statements, schedules and other information provided in this proposal are true, complete and accurate in all respects to the best knowledge and belief of the bidder.
7. FURTHER DECLARE that I/We have examined all the documentation and specifications relating hereto, prepared, submitted and rendered available on behalf of the Township of Champlain and hereby acknowledge the same to be part and parcel of any contract to be let for the work herein described or defined and do hereby propose and offer to enter into a contract to do the work and to provide for all of the labour and to provide, furnish, deliver, place and erect, all material mentioned and described or implied therein, including in every case, freight, duty, exchange and sales tax in effect on the date of acceptance of the bid and all in full payment.
8. FURTHER DECLARE that the undersigned is hereby authorized by the bidder to submit this proposal and is authorized to negotiate all matters with the Municipal representative relative to this proposal.

\_\_\_\_\_  
**Authorized Signature**

\_\_\_\_\_  
**Name and Title (please print)**