



**IRETURN BIDS TO:  
RETOURNER LES SOUMISSIONS A:**

Bid Receiving/Réception des sousmissions  
Hard Copy / Copie papier:

RCMP/GRC  
Bid Receiving Unit/ Réception des sousmissions  
Royal Canadian Mounted Police  
73 chemin Leikin Drive  
Mailstop/ Arrêt postal #15  
Ottawa, Ontario K1A 0R2  
**Attn: Sonya Dupont**

All persons delivering mail, parcels and bids to the Mail Parcel and Screening Facility will be asked to provide government photo identification and a contact number as part of an enhanced security protocol.

Dans le cadre d'un protocole de sécurité amélioré, toute personne qui livre le courrier, les paquets et les soumissions à l'installation d'inspection du courrier et des colis devra désormais présenter une carte d'identité avec photo émise par le gouvernement et un numéro de téléphone.

**REQUEST FOR  
PROPOSAL**

**DEMANDE DE  
PROPOSITION**

Proposal to: Royal Canadian Mounted Police

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Proposition aux : Gendarmerie royale du Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux appendices ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments: - Commentaries :

<b>Title – Sujet</b> Aerial Ladder Truck		<b>Date</b> August 8, 2019
<b>Solicitation No. – N° de l'invitation</b> 202000667		
<b>Client Reference No. - No. De Référence du Client</b>		
<b>Solicitation Closes – L'invitation prend fin</b>		
<b>At / à :</b>	2 :00pm	EDT(Eastern Daylight Time) HAE (heure avancée de l'Est)
<b>On / le :</b>	September 17, 2019	
<b>Delivery - Livraison</b> See herein — Voir aux présentes	<b>Taxes - Taxes</b> See herein — Voir aux présentes	<b>Duty – Droits</b> See herein — Voir aux présentes
<b>Destination of Goods and Services – Destinations des biens et services</b> See herein — Voir aux présentes		
<b>Instructions</b> See herein — Voir aux présentes		
<b>Address Inquiries to – Adresser toute demande de renseignements à</b> <a href="mailto:Sonya.Dupont@rcmp-grc.gc.ca">Sonya.Dupont@rcmp-grc.gc.ca</a>		
<b>Telephone No. – No. de téléphone</b> 613-843-3819	<b>Facsimile No. – No. de télécopieur</b> 613-825-0082	
<b>Delivery Required – Livraison exigée</b> See herein — Voir aux présentes	<b>Delivery Offered – Livraison proposée</b>	
<b>Vendor/Firm Name, Address and Representative – Raison sociale, adresse et représentant du fournisseur/de l'entrepreneur:</b>		
<b>Telephone No. – No. de téléphone</b>	<b>Facsimile No. – No. de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) – Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>		
<b>Signature</b>	<b>Date</b>	



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## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

There is no security requirement associated with the requirement.

### **1.2 Statement of Work**

The requirement is detailed under Article 6.2 Statement of Work, of the resulting contract clauses.

### **1.3 Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

### **1.4 Recourse Mechanisms**

If you have any concerns relating to the procurement process, please refer to the [Recourse Mechanisms](#) page on the Buyandsell.gc.ca website. Please note that there are strict deadlines for filing complaints with the Canadian International Trade Tribunal (CITT) or the Office of the Procurement Ombudsman (OPO).

<https://buyandsell.gc.ca/for-businesses/selling-to-the-government-of-canada/recourse-mechanisms>

### **1.5 Trade Agreements**

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), the Canada-Chile Free Trade Agreement (CCFTA), the Canada-Colombia Free Trade Agreement (CCoFTA), the Canada-European Union Free Trade Agreement (CETA), the Canada-Honduras Free Trade Agreement (CHFTA), the Canada-Panama Free Trade Agreement (CPAFTA), the Canada-Korea Free Trade Agreement (CKFTA), the Canada-Peru Free Trade Agreement (CPFTA), World Trade Organization Agreement on Government Procurement (WTO-AGP) and the Canadian Free Trade Agreement (CFTA).



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## PART 2 - BIDDER INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Revision to Departmental Name: As this solicitation is issued by Royal Canadian Mounted Police (RCMP), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this solicitation, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: **90** days

#### 2.1.1 SACC Manual Clauses

B3000T (2006-06-16) Equivalent Products

### 2.2 Submission of Bids

Bids must be submitted only to RCMP Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

NOTE: The RCMP has not been approved for bid submission by epost Connect service.

Due to the nature of the bid solicitation, bids transmitted by facsimile or email to RCMP will not be accepted.

#### **PLEASE NOTE:**

**Bidders may submit more than one (1) bid per solicitation; however multiple bids must be submitted in separate bid packages.**

### 2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority **no later than seven (7) calendar days before the bid closing date**. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to



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enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

## 2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

## 2.5 Promotion of Direct Deposit Initiative

The following information is not related to the solicitation process:

An initiative within the Government of Canada called the Cheque Standardization Project has been established whereby eventually for all payments, cheque stubs will no longer be printed and, with few exceptions, will be processed via direct deposit. This option is only available when payment is made in Canadian dollars for deposit into a Canadian bank account. In an attempt to be proactive, RCMP Corporate Accounting is promoting the registration of RCMP suppliers for the upcoming change in the payment process.

If you are the successful bidder on this or any other RCMP requirement, you are encouraged to register with the RCMP for direct deposit. Please contact RCMP Corporate Accounting by email to receive a form entitled *Recipient Electronic Payment Registration Request* along with instructions for completion of the form.

Should you have any questions regarding the Cheque Standardization Project or if you want to register, please contact the following email: [corporate\\_accounting@rcmp-grc.gc.ca](mailto:corporate_accounting@rcmp-grc.gc.ca)



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## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (**3** hard copies)

Section II: Financial Bid (**1** hard copies)

Section III: Certifications (**3** hard copies)

**Prices must appear in Section II: Financial Bid only. No prices must be indicated in any other section of the bid.**

Canada requests that bidders follow the format instructions described below in the preparation of their hard copy bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### **Section I: Technical Bid**

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

#### **Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

##### **3.1.1 Exchange Rate Fluctuation**

C3011T (2013-11-06), Exchange Rate Fluctuation

##### **3.1.2 SACC Manual Clauses**

#### **Section III: Certifications**

Bidders must submit the certifications and additional information required under Part 5.



### **3.1.3 Warranty Period**

Canada requests that the Bidder provide details of the warranty period for the vehicle/equipment and its components.





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## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **4.1 Evaluation Procedures**

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### **4.1.1 Technical Evaluation**

In the technical bid, bidders must explain and demonstrate how they propose to meet the requirements and how they will carry out the Work. Any proposal which fails to meet the mandatory requirement will be deemed non-responsive and will not be given further consideration.

The technical bid must consist of the following:

- (a) Completed and signed page 1 of the RFP;
- (b) A completed Annex "A" Statement of Work – Aerial Ladder Truck Mandatory Specification Requirement, and brochures or other document(s), (e.g. data sheets, web site information, etc.) for each equivalent item to substantiate compliancy to Mandatory Technical Criteria.
- (c) 5 references on similar builds completed within the last 5 years.
- (d) Production Schedule of work to be done in-house and what will be sub-contracted.
- (e) Transport Canada National Safety Mark (NSM) Certification.

#### **4.1.2 Financial Evaluation**

Bidders must submit their financial bid in accordance with Annex B – Basis of Payment. The price of the bid will be evaluated in Canadian dollars, the Applicable Taxes excluded, Deliver Duty Paid (DDP) Destination (as identified in Annex A) Incoterms 2010, transportation costs and unloading at destination included, Canadian customs duties and excise taxes included.

### **4.2 Basis of Selection**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.



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## PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

### 5.1 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

#### 5.1.1 Integrity Provisions

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement subject to the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process:

- Declaration of Convicted Offences - Integrity Declaration Form (as applicable)
- Required Documentation (List of names for integrity verification form)

Please see the *Forms for the Integrity Regime* website for further details (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaires-forms-eng.html>).

#### 5.1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the *Employment and Social Development Canada (ESDC) – Labour's* website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "*FCP Limited Eligibility to Bid*" list at the time of contract award.



## PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### 6.1 Security Requirements

There is no security requirement applicable to the Contract.

### 6.2 Statement of Work

The Contractor must provide the Royal Canadian Mounted Police (RCMP) with an Aerial Ladder Truck in Saint-Jean sur Richelieu, Quebec.

For further details, please reference Annex A.

### 6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Revision to Departmental Name: As this contract is issued by Royal Canadian Mounted Police (RCMP), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this contract, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

#### 6.3.1 General Conditions

2010A (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

Section 09 entitled Warranty of general conditions 2010A is amended as follows:

At subsection 1, delete the following:

“The warranty period will be twelve (12) months after delivery and acceptable of the work or the length of the Contractor’s or manufacturer’s standard warranty period, whichever is longer”, and replace with the following:

The successful Contractor must provide a minimum:

Ten (10) year warranty against manufacturing and material defects on the body build including galvanic reaction.

- a) A five (5) year warranty on DC electrical wiring installed by the Contractor.
- b) A two (2) year warranty on all sub components installed by the Contractor.
- c) A two (2) year warranty on paint completed by the Contractor.



- d) The above warranties will be administered through the Contractor from the date of delivery including work completed by sub-contractors if any.
- e) The cab and chassis will be covered by the OEM warranty.

Delete subsection 2 in its entirety and replace with the following:

The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good. The Contractor must also pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location as directed by Canada. If, in the opinion of Canada, it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location. In such cases, the Contractor will be responsible for all Costs (including travel and living expenses) incurred in so doing, Canada will not reimburse these Costs.

All other provisions of the warranty section remain in effect.

### **6.3.2 Supplemental General Conditions**

4009 (2013-06-27), Professional Services – Medium Complexity, apply to and form part of the Contract.

## **6.4 Term of Contract**

### **6.4.1 Delivery Date**

Preferred delivery of the vehicle is requested on or before March 29, 2020 or the best delivery that can be offered is as follows: \_\_\_\_\_ (to be inserted at contract award).

### **6.4.2 Delivery Points**

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

## **6.5 Authorities**

### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Sonya Dupont  
Title: Procurement Officer  
Organization: Royal Canadian Mounted Police  
Address: 73 Leikin Drive, Mailstop 15, Ottawa, Ontario K1A 0R2  
Telephone: (613) 843-3819  
Facsimile: (613) 825-0082  
E-mail address: [Sonya.Dupont@rcmp-grc.gc.ca](mailto:Sonya.Dupont@rcmp-grc.gc.ca)

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform



work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority (to be inserted at contract award)

The Project Authority for the Contract is:

Name: \_\_\_\_\_
Title: \_\_\_\_\_
Organization: \_\_\_\_\_
Address: \_\_\_\_\_
Telephone: \_\_\_\_\_
Facsimile: \_\_\_\_\_
E-mail address: \_\_\_\_\_

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative (to be inserted at contract award)

General enquiries

Delivery follow-up

Name: \_\_\_\_\_
Telephone No.: \_\_\_\_\_
Facsimile No.: \_\_\_\_\_
E-mail address: \_\_\_\_\_

Name: \_\_\_\_\_
Telephone No.: \_\_\_\_\_
Facsimile No.: \_\_\_\_\_
E-mail address: \_\_\_\_\_

6.6 Payment

6.6.1 Basis of Payment

For further details, please reference Annex B.

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex "B" Pricing for a cost of \$ \_\_\_\_\_ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

Firm unit prices in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2010, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra. The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).



**6.6.2 Limitation of Price**

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

**6.6.3 Method of Payment**

Canada will make milestone payments in accordance with the Schedule of Milestones detailed in the Contract and the payment provisions of the Contract if:

- a) an accurate and complete claim for payment using PWGSC-TPSGC 1111, Claim for Milestone Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b) the total amount for all Milestone payment paid by Canada does not exceed 100 percent of total amount paid under the contract.
- c) all the certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives;
- d) all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

**6.6.4 Milestone Payment Schedule**

Milestone No.	Deliverable	Amount Due
1	First Inspection – Exterior walls and wiring completion	20%
2	Second Inspection - Interior wall, ceiling and flooring completion	20%
3	Final Inspection - prior to shipping to the delivery destination	20%
4	Delivery and Acceptance of Aerial Ladder Truck Build	40%

**6.7 Invoicing Instructions**

1. The Contractor must submit a claim for payment using form [PWGSC-TPSGC 1111](#), Claim for Progress Payment.

Each claim must show:

- a) all information required on form [PWGSC-TPSGC 1111](#);
- b) all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;
- c) the description & value of the milestone claimed as detailed in the contract.



2. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.
3. The Contractor must prepare and certify one original and two (2) copies of the claim on form PWGSC-TPSGC 1111, and forward it to the Technical Authority identified under the section entitled "Authorities" of the Contract for appropriate certification after inspection and acceptance of the Work takes place.
4. The Technical Authority will then forward the original and one (1) copy of the claim to the Contracting Authority for certification and onward submission to the Payment Office for the remaining certification and payment action.
5. The Contractor must not submit claims until all work identified in the claim is completed

**6.7.1** Invoices must be distributed as follows:

- a) One (1) copy marked original must be forwarded to the following address for certification and payment:

E-mail address: \_\_\_\_\_ *(to be inserted at contract award)*

- b) A copy of the invoice(s) must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

**6.7.3 SACC Manual Clauses**

C3011T (2013-11-06), Exchange Rate Fluctuation

**6.8 Certifications and Additional Information**

**6.8.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

**6.9 Applicable Laws**

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_ *(to be inserted at contract award)*.

**6.10 Priority of Documents**

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.



- a) the Articles of Agreement;
- b) the supplemental general conditions 4009 (2013-06-27), Professional Services – Medium Complexity;
- c) the general conditions 2010A (2018-06-21); General Conditions – Goods (Medium Complexity);
- d) Annex “A”, Statement of Work – Aerial Ladder Truck Requirement;
- e) Appendix 1 to Annex “A”, Mandatory Specification Form – Mandatory Cab and Chassis Specification;
- f) Appendix 2 to Annex “A”, Mandatory Specification Form – Service Body Mandatory Technical Description and Requirement;
- g) Annex “B”, Basis of Payment;
- h) the Contractor's bid dated \_\_\_\_\_ (to be inserted at contract award).

## **6.11. Procurement Ombudsman**

### **6.11.1 Dispute Resolution Services**

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will, on request, and consent of the parties, to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term or condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute.

The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at [boa-opo@boa-opo.gc.ca](mailto:boa-opo@boa-opo.gc.ca).

### **6.11.2 Contract Administration**

The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will review a complaint filed by [*the supplier or the contractor or the name of the entity awarded this contract*] respecting administration of this contract if the requirements of Subsection 22.2(1) of the *Department of Public Works and Government Services Act* and Sections 15 and 16 of the *Procurement Ombudsman Regulations* have been met, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute.

The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at [boa-opo@boa-opo.gc.ca](mailto:boa-opo@boa-opo.gc.ca).

## **6.12 Insurance**

G1005C (2016-01-28) Insurance – No Specific Requirement

## **6.13 SACC Manual Clauses**

A9049C, (2011-05-16), Vehicle Safety  
A9068C, (2010-01-11), Government Site Regulations  
B3000T (2006-06-16) Equivalent Products  
B7500C (2006-06-16) Excess Goods





#### **6.14 Inspection and Acceptance**

The Project Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Requirement and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

#### **6.15 Preparation for Delivery**

The vehicle/equipment must be serviced, adjusted and delivered in condition for immediate use. The interior and exterior must be cleaned before leaving the factory and being released to Royal Canadian Mounted Police personnel at the final delivery location.

Any attempt by the carrier to deliver vehicles will be refused unless arrangements have been made for authorized, qualified personnel to be available to perform inspections and to accept the delivery. When the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable to pay for additional costs.

#### **6.16 Shipping Instructions**

The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (as detailed at Annex "A"- Pricing). Unless otherwise directed, delivery must be made by the most economical means. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and taxes.

Where applicable, suppliers are encouraged to:

- Minimize packaging
- Include recycled content in packaging;
- Re-use packaging;
- Include a provision for a take-back program for packaging;
- Reduce/eliminate toxics in packaging.

#### **6.17 Post-Contract Award Meeting and or Pre-Production Meeting**

The meeting will be held at the Contractor's plant \_\_\_\_\_ (Bidder to specify location). Cost of holding such pre-production meeting must be included in the price of the bid. Please note that the travel and living expenses for Government Personnel will be arranged and paid for by Canada. The Crown reserves the right to carry out the Post-Contract Award Meeting and or Pre-Production Meeting via teleconference.

#### **6.18 Packaging**

The methods used for preservation and packaging must be in conformity with the contractor's normal standard for domestic shipment or, if necessary, with standards for overseas shipment as below deck cargo.



### **6.19 Material**

Material supplied must be new, unused and of current production by manufacturer (2019 model-year or newer).



## ANNEX "A"

### STATEMENT OF WORK

#### Aerial Ladder Truck Mandatory Specification Requirement



#### 1.0 Overview

The Royal Canadian Mounted Police (RCMP) has a requirement for one cab and chassis with a closed cube type service body equipped with a roof mounted 50 foot insulated aerial service ladder. The base vehicle and service ladder must be the newest/current model year available at time of delivery. The vehicle will be operated on highways and occasional off road in a variety of weather conditions including summer heat and winter cold and snow in the province of Quebec. The Contractor must deliver the base vehicle, service body and ladder system as one complete operational unit.

The completed vehicle must be Canadian Motor Vehicle Safety Standards (CMVSS) compliant and meet all Canadian certification and safety requirements for this class of vehicle. The completed vehicle must be able to operate in all Canadian provinces and territories. Dimensions noted in the written specification are approximate and may vary to accommodate actual manufacturing requirements. RCMP drawings are supplied to illustrate the concept of the intended vehicle only. The Contractor is responsible to not exceed the legal overhaul height limit of the vehicle for Canadian standards, 13' 6" and a width of 102". The written specification and the drawings are to be considered as one, notation of an item in one, and not in the other, does not negate the need for the given item. A specification proposal from the manufacturer of the cab & chassis must be submitted with the bid document

#### 2.0 Deliverables

The Contractor will submit a Proposed Production Schedule indicating the work to be done in-house and any work to be subcontracted to an off-site second party.

The Contractor must supply the RCMP with detailed Computer-aided Design (CAD) drawings of the layout and cross sections a minimum of two weeks prior to the pre-production meeting.

On completion of the unit, the Contractor must provide electrical certification from the Electrical Safety Authority along with AC and DC wiring diagrams and all related information pertaining to operation and warranty of added equipment.

The RCMP requires that the box portion of this build be the subject of a ten year warranty period against manufacturing defects including galvanic reaction.



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### 3.0 Meeting

There will be a meeting between the RCMP and the Contractor prior to construction of the vehicle to ensure that all requirements are understood and will be met. Meeting minutes to be taken by the Contractor and signed off by the RCMP. This pre-production meeting will be held at the Contractor's facility or by teleconference. There will also be a final inspection prior to shipping to the delivery destination for acceptance in accordance with the terms of the contract.

Inspections must be completed at the following stages in production by the RCMP Technical Authority at the Contractor's location:

- Exterior walls and wiring completion.
- Interior wall, ceiling and flooring completion.
- Prior to shipping to delivery destination for acceptance in accordance with the terms of the contract.

To avoid delay in the proposed production schedule, the Contractor must notify the RCMP a minimum of five (5) working days in advance of a desired inspection date in order that travel arrangements can be made. Travel and accommodations for the preproduction meeting and inspections will be done at the expense of the RCMP where applicable.



**Appendix 1 to Annex "A", Mandatory Specification Form**

**Mandatory Cab and Chassis Specifications**

<b>Manufacturer Model</b>	
<b>Mandatory Requirements</b>	
Cab and chassis	Current model year (2019) or newer, 19,500 GVWR minimum, dual rear wheel, 4X4
Cab configuration	Extended cab, no center door pillar to ease loading
Wheelbase	192" minimum
Engine	6.8L gas minimum
	Block heater
	Engine hour meter
Transmission	Automatic 6 speed
Rear axle	Limited slip
Suspension	Front heavy service
Wheels	19.5" 10 hole rated for application
Tires	Mud and Snow 4X4 tires
	Spare tire and wheel
Electrical	Alternator 240 amp
	Control Area Interface (CAN) Module
	PowerPoints, two (2) 12V dash mounted minimum
Fuel	151L minimum
Cab Features	Air conditioning
	Cruise control
	Tilt steering
	AM/FM radio with Bluetooth
	Tire pressure monitor
	Heated remote mirrors



	Power windows and locks
	Remote keyless entry with alarm
	Black vinyl flooring
	Dark grey cloth seats, front 60/20/60, rear 60/40 folding bench
	Trailer brake controller
	Backup alarm (beeper)
	Rear view camera and prep kit to mount on rear of body
Keys	Four (4) sets of keys (1 set = 1 key & 1 Fob/remote)
Color	White



**Appendix 2 to Annex “A”, Mandatory Specification Form**

**SERVICE BODY MANDATORY TECHNICAL DESCRIPTION & REQUIREMENTS**

**ENCLOSED SERVICE BODY / BOX**

Total length of cube body to be approx. 144” (inches). The manufacturer is responsible that the total width of the vehicle including accessories and other equipment’s be no more than 102” (inches) as per regulations. Body must be built of aluminum with a roof mounted electric/hydraulic 50’ (foot) ladder. Body / ladder must be designed to maximize interior storage area of the box. Ladder to be supported by the sidewalls of the box, no interior center post will be accepted. See annex “B” for full specifications and mandatory equipment.

**AERIAL DEVICE**

A 50’ (Foot) insulated 3 tier collapsible ladder with bucket must be mounted on the roof of the service body, supported by the side walls of the body in order to maximize interior space. Ladder must have a 360 degree rotation (non-continuous permitted) and a horizontal reach of 35’ (feet) minimum. Must have a folding walkway, to allow user to walk comfortably/safely to and from basket. Safety line must be installed along mast for safety harness system. Basket must support 300 lbs, basket must also be equipped with a tool tray, heater and 110V outlet. System must be free of truck mounted outriggers. See annex “B” for all mandatory requirements.

<b>Mandatory Requirement</b>	
Exterior Box Dimensions	Length: 144”
	Width: 86.5”
	Height: 162” (13.5’) Including Ladder
<b>SERVICE BODY TECHNICAL DESCRIPTION &amp; REQUIREMENTS</b>	
Dimensions & Material	1. Total length of cube body to be approx. <u>144”</u> (inches) excluding step bumper. Cube body width to be approx. 86.5” (inches), the manufacturer is responsible that the total width of the vehicle including accessories and other equipment such as side ladder rack must be a maximum of 102” (inches) as per regulations.
	2. Total height of completed vehicle including body with ladder must not exceed the maximum provincial vehicle height limit of 13.5’ (feet).
Bridge mount aerial device structure	3. The aerial device structure must comply with the latest published CSA-C225 Canadian standard at the moment of this tender. The manufacturer is responsible to fabricate and install the aerial device structure as per the hydraulic ladder manufacturer drawings and or instructions. The design provided by the hydraulic ladder manufacturer is to be according to a sub-frame design. Contractor is responsible to provide the details of the intended sub-frame design at the pre build meeting.



Sub-frame construction	4. Sub-frame cross sills must be made of bent or extruded steel structural shapes, each cross sill must present a bending moment of Inertia of at least 500 000 mm <sup>4</sup> or 1.2 <sup>4</sup> and be distanced of a maximum of 16" (inches) on full length.
	5. Sub-frame rails must be made of an extruded steel shape, each presenting a bending moment of Inertia of at least 714 000mm <sup>4</sup> or 1.71 <sup>4</sup> . Sub-frame rails must be the full length of truck chassis frame rails.
	6. Sub-frame must be held in place by the means of at minimum three (3) grade 5 u-bolts and nuts on each frame rail (6 total)
	7. In areas where dissimilar metals may contact, coatings such as ECK must be used in order to prevent galvanic corrosion and deterioration of the structure and components including hinges, handles, fasteners and hardware.
	8. Whenever manufacturer uses closed/hollow section structural shapes, make sure to make drip holes and apply anti-corrosion treatment inside these closed sections.
	9. Sub-frame to be sprayed with rubberized black undercoating.
Body Wall Construction	10. Exterior body wall material must be 3003-H14 aluminum 11 gauge (0.091" or more). Painted white.
	11. Wall structure must be made of appropriate aluminum structural shapes providing a bending moment of inertia of at least 130 000 mm <sup>4</sup> or 0.31 <sup>4</sup> at every 16" (inches) or less
	12. Walls must be insulated with rigid fiber glass insulation board with vapor barrier or equivalent.
	13. Interior finishing must be made with 3003-H14 aluminum 0.125". No electrical wires are to run inside the walls.
Roof construction	14. To be made of 3003-H14 aluminum 11 gauge (0.091" or more). Painted white
	15. Cross ribs to support the roof must be installed at every 16" (inches) or less and must be made of aluminum. Cross ribs must present a bending moment of Inertia of at least 111 000 mm <sup>4</sup> or 0.268 <sup>4</sup> .
	16. Roof must be insulated with rigid fiber glass insulation board with vapor barrier.
Floor construction	17. The floor must be made of 0.125" (inches) thick aluminum. A protection between aluminum & steel sub-frame is to be applied. Aluminum floor is to be fastened to sub frame using heavy-duty stainless steel rivets.





	<p>18. Over the aluminum structural floor, a 1/4" (inch) commercial grade recycled rubber carpet must be installed. Rubber carpet to have an approximate hardness of 60 Shore A and a wet coefficient of friction between 0.8 and 1.2.</p>
	<p>19. Wheel boxes must be incorporated in the floor to lower the floor as much as possible to the frame. Manufacturer is responsible to comply with wheel/tires/axle clearance data provided by chassis manufacturer.</p>
Curb side man door	<p>20. Must be located on curbside wall, at the front of cube van. Door opening width to be approx. 30" (inches), height to be approx. 84" (inches). To be made of same material as cube body. Door to be insulated with rigid fiber glass insulation board with vapor barrier or equivalent.</p>
	<p>21. Door must be provided with an exterior lockable handle and an interior handle. Man door locks to be keyed alike.</p>
	<p>22. Door must be weatherproof. Must present a 14" X 24" (inches) window with a steel security screen</p>
	<p>23. Door must present at least four (4) hinges. Must be hinged towards front side of vehicle.</p>
	<p>24. Door must have an open retaining mechanism</p>
Rear man door	<p>25. Must be located on rear cube wall. Door opening width to be approx. 36" (inches), height to be approx. 78" (inches). Must be made of same material as cube body. Must be insulated with rigid fiber glass insulation board with vapor barrier or equivalent. Door must be weatherproof.</p>
	<p>26. Door must be provided with an exterior lockable handle and an interior handle. Man door locks must be keyed alike.</p>
	<p>27. Door must present at least four (4) hinges. To be hinged on street side of vehicle.</p>
	<p>28. Door must be weatherproof. Must present a 22" X 24" (inches) window with a steel security screen.</p>
	<p>29. Door must have an open retaining mechanism</p>
Man doors	<p>30. Curb side and rear door must be keyed a like, slam type latches must be installed with two (2) contact points minimum</p>
Curb side storage compartment	<p>31. A storage compartment for safety cones must be placed immediately after curb side man door.</p>



	<p>32. Must be made of same material as cube body. Must be insulated from interior. Compartment opening dimensions to be approx. 28" (inches) in width and approx. height of 48" (inches) from lower skirt to bottom of inside work bench.</p>
	<p>33. Compartment hinges must be made of stainless steel. Must be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors must be keyed alike.</p>
<p>Battery compartment street side</p>	<p>34. To be made of same material as cube body. Located on rear street side corner of body. Compartment opening dimensions to be 17" (inches) in width and 13.75" (inches) in height. Compartment door must have louvers for ventilation so battery gases may exit compartment</p>
	<p>35. Bottom of compartment to be covered with a recycled rubber mat. Drain holes are to be present</p>
	<p>36. No compartment door retaining mechanism is to be installed</p>
	<p>37. Compartment must have sealed wire-passes where electrical wires are routed. Wire-passes are to be of strain-relief type, no chafing will be tolerated.</p>
	<p>38. Compartment hinges must be made of stainless steel. Must be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors must be keyed alike.</p>
<p>Rustproofing</p>	<p>39. Chassis cab undercarriage, service body undercarriage and cab cavities must be treated with rubberized coating.</p>
<p>Generator compartment street side</p>	<p>40. Must be made of same material as cube body. Located on street side wall at the front corner of body. Compartment minimal opening dimensions to be 40" (inches) in width and 28" (inches) in height, 24" (inches) deep.</p>
	<p>41. Compartment door must be hinged at top and must present a door open retaining mechanisms. Compartment door must present louvers for fresh air intake, hot air discharge and exhaust gases. Compartment hinges must be made of stainless steel. Must be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors must be keyed alike.</p>
	<p>42. A ducting section must be manufactured between generator and bottom of compartment to direct hot air outside the compartment as per generator manufacturers' specifications.</p>



	<p>43. Electrical wires and fuel lines must be protected against heat sources with appropriate shielding. These wires and lines must be installed in a fashion where they cannot get squeezed, chafed or rubbed by the travelling motion of the vehicle.</p>
	<p>44. Electrical wires (DC &amp; AC) must not pass thru flooring in same hole as fuel line.</p>
<p>Storage compartment street side</p>	<p>45. To be made of same material as cube body. Located on street side lower body skirt after generator compartment and ahead of rear wheels. Compartment width / height / deep, to use maximum below floor available space.</p>
	<p>46. Bottom of compartment to be covered with a recycled rubber mat.</p>
	<p>47. Compartment hinges to be made of stainless steel. Door hinged at front. To be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors to be keyed alike.</p>
<p>Storage compartment "manhole" rear body</p>	<p>48. Must be made of same material as cube body. Located at rear of vehicle, between main access door and street side edge of body. Weatherproof insulated door approx. 18" (inches) wide x 60" (inches) high, final depth to be determined at pre-production meeting. Door must hinge on street side. Must be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors to be keyed alike.</p>
<p>Ladder &amp; step ladder racks</p>	<p>49. Ladder racks and step ladder rack must be made of aluminum, painted white and present a locking mechanism so no ladder movement is possible when stored. Racks must be installed on exterior driver side wall.</p>
<p>Grab handles</p>	<p>50. One (1) handle must be installed at the rear of the vehicle on curb side of rear man door, a second one must be installed on the curb side at the rear of the curb side man door.</p>
	<p>51. Grab handles must be installed using insert nuts in aluminum body.</p>
<p>Rear bumper</p>	<p>52. Rear step bumper must be fabricated by body builder, must be made of hot dipped galvanized steel or e-coated steel with a non-slip surface.</p>
	<p>53. No step (ground-to-step bumper, bumper-to-cube van floor) shall be more than 16" (inches) vertically. If more than 16" (inches) a foldable step of 29" (inches) wide must be incorporated in the step bumper.</p>



	54. Spring loaded orange marker sticks must be installed horizontally at each extremity of the bumper. The markers shall mark the 102" (inches) total width.
Roof deck (surrounding ladder access)	55. Must be made with an aluminum structure, surface material to be aluminum grip-strut of appropriate dimensions
	56. Ease of removal is to be considered, as well as the ease of removal of snow and dirt.
Safety rail	57. Must be made of aluminum 1.5" (inches) square tubing. One (1) rail to be at the rear of the roof deck, the other to be on curbside. Rails must be removable. On the two (2) vertical members of the rails that are the closest to the roof access ladder, grip tape must be present on the entire length
	58. Rail anchors brackets must be made of aluminum. Part of rail anchors to be fastened to roof deck.
Roof access ladder	59. Must be mounted on the rear cube body wall, curbside.
Wheel chocks (2)	60. Must be made of steel, painted white. To be stored outside the vehicle, close to rear wheel fenders
	61. A cut-out in service body exterior walls must be done on each side of the vehicle. Cut-out must present a bottom plate to hold wheel chocks, large drain holes must be present. A trim must be installed on cut-out perimeter to avoid damage to the wall paint and material.
Rear kick plate	62. Made of aluminum checkered plate. Dimensions to be at least the width of the rear man door opening, in height, between top most part of rear bumper and bottom of rear man door opening.
<b>CAB EQUIPMENT</b>	
Back up camera	63. Must install a rear view monitor on dash with a camera mounted at rear of truck body above man door.
First aid kit holder	64. Must be installed in cab on rear wall below rear view window. Apply green cross decal on or close to holder. Decal must be visible even when kit is in the holder.
Flare kit holder	65. Must be installed behind rear passenger seat, at approximately 15" (inches) above the floor. Must be easily accessible
Hard hat holder	66. Must be installed on passenger seat back



Cab center console	67. Cab center console must be made of aluminum and painted to match interior. Cab center console is to store document and hold pad on top of surface.
<b>CARGO BODY EQUIPMENT / LAYOUT (see Annex “E” – Conceptual Drawing)</b>	
Rear Wall Forward Driver side top shelf	68. Must be fabricated as per conceptual drawing. Must be made of aluminum. Shelf to extend from rear wall top of exterior storage cabinet towards front interior wall ending even with edge of drawer cabinet. Shelf to be 20” (inches) wide at top of both cabinets and 18” (inches) in between cabinets. Shelf must present an upward lip with holes for bungee cords. On ceiling, an angle with holes is to be present for bungee cords. This angle is to follow shelf contour.
	69. Use plastic end-tips on cords. Bungee cord must be installed in a “W” fashion.
Street side shelving	70. Must be fabricated as per conceptual drawing. Must be made of aluminum. Two (2) shelves spaced between top shelf and floor to extend from rear exterior storage compartment to drawer cabinet. Shelves to be 18” (inches) wide. Shelves must present slots, twenty (20) slots per shelf, in upward front and rear lips to accommodate dividers. Twenty (20) dividers must be supplied with shelving. On floor, a 3” (inches) high angle with holes is to be present for bungee cords or netting to secure items left on floor under shelf.
	71. Two (2) bungee cords with plastic tips per shelf must be installed horizontally from rear storage compartment to drawer cabinet. For lower angle with holes, bungee cord to be installed in a “W” fashion.
Drawer cabinet	72. Fabricated as per conceptual drawing. Two (2) drawer cabinets with six (6) drawers in each are required and must be mounted side by side of each other.



	<p>73. Requirements;</p> <ul style="list-style-type: none"> <li>• Must be made of aluminum.</li> <li>• Must extend from top of generator compartment to top shelf, each cabinet approximately 16" (inches) wide and 24" (inches) deep</li> <li>• Six (6) small drawers must have a capacity of 30lbs minimum each. Six (6) larger drawers must have a capacity of 60lbs minimum each.</li> <li>• Drawers must slide in and out with ease by using drawer slides for rated capacity</li> <li>• Drawers must stay horizontal when slide out.</li> <li>• Drawers must incorporate a system to make them removable.</li> <li>• Cabinet must be of riveted or welded construction.</li> </ul> <p>Cabinet must present a latch on each drawer to keep the drawers closed when vehicle is in movement.</p>
	<p>74. Each cabinet to present six (6) drawers</p> <ul style="list-style-type: none"> <li>• First drawer on the bottom will be approx. 10" (inches) in height.</li> <li>• Two (2) drawers above will also be approx. 10" (inches) in height.</li> <li>• Three (3) top drawers will be approx. 5" (inches) in height.</li> </ul>
Curb side work bench surface	<p>75. Fabricated as per conceptual drawing, must be fixed on top of curb side shelving from rear wall to edge of front curb side man door. A folding/flip-up section must continue across man door to front wall.</p>
	<p>76. Flip-up portion of work bench must present a retaining mechanism to lock it in the up position.</p>
Curb side lining above work bench	<p>77. Wall lining above work bench to be a ½ inch thick plywood. Lining must be bolted to the wall's vertical reinforcement members. Wherever reinforcement members run behind the plywood, a red stripe must be painted on the plywood.</p>
Curb side shelving	<p>78. Fabricated as per conceptual drawing. A shelf placed mid-way between the floor and bottom of the work bench must extend from the rear wall to the edge of the curb side exterior storage compartment. Supports for the bench must be placed to floor for support as required.</p>
	<p>79. Two (2) bungee cords per shelf must be installed horizontally with plastic tips to lips on shelves to keep items from falling out or a net system.</p>
<b>ELECTRICAL GENERAL</b>	



	80. All wires, cables, conduits, accessories, devices, appliances or material used in any AC electrical installation must be certified per the Canadian Standards Association (CSA) or the Underwriters Laboratories of Canada (ULC).
	81. All AC electrical hardware must be installed in accordance with the requirements of the Canadian Electrical Code (CEC). All electrical installations must also conform to all applicable provincial (Quebec) and federal regulations.
<b>ELECTRICAL EQUIPMENT (12 VDC)</b>	
Electrical panel	82. Panel must be installed on the curb side wall after the man door. Panel must present an aluminum cover, must be easily removable.
	83. Must use rubber grommets to prevent chafing and wearing as required.
12 VDC wiring	84. All DC wiring must be surface mounted, no wires shall run inside the walls. Wiring must be color coded. Wires must be enclosed in gutters on top of wall all around inside cargo space. All wires must be placed in plastic loom for protection.
Strobe lights	85. Two (2) 12V amber strobe lights must be installed. One (1) on the front and one (1) on the rear of the body.
	86. Must be connected using two (2) pole weatherproof connectors. One (1) On/Off switch with LED pilot lamp must be installed in vehicle's dash and second LED pilot lamp at electrical panel location in truck body.
	87. Must be visible at a minimum distance of 300m in all directions
	88. A rubber grommet with strain relief and sealant shall ensure water tightness where beacon wire enters vehicle.
Scene lights rear (2)	89. Must be installed at each rear upper corner of truck body and be controlled by a switch located inside the cab with LED pilot lamp.
Scene lights street and curb sides	90. Street side lights to be controlled by one switch with LED pilot lamp in cab, curb side light to be controlled by another switch with LED pilot lamp. Scene lights must be placed in upper middle of box.
Traffic director arrow	91. Arrow must be installed at rear of truck and controlled by switch in cab with LED pilot lamp.
	92. A rubber grommet with strain relief and sealant must ensure water tightness where arrow wire enters vehicle roof.



Truck body heating system	93. Heating must work on fuel from vehicle and 12V DC. Must be quiet and low on fuel and electrical consumption. Installed on flooring under bottom shelf of curb side shelving, at the rear of the cargo space. YUHUA Gasoline Air Heater or equivalent.
	94. Controller must be 7-day programmable type. Controller must be installed on control panel.
Auxiliary batteries (2)	95. Must be: <ul style="list-style-type: none"> <li>• Amp Hour Capacity @ 20 hr rate: 180 a/h</li> <li>• Reserve Capacity @ 25 amp discharge rate: 375 mins</li> <li>• BCI Group Size: GC2 (Golf Cart)</li> <li>• Marine Cranking Amps @ 32* F: 850 amps</li> <li>• Cold Cranking Amps @ 0* F: 585 amps</li> </ul>
Battery separator	96. Must be unidirectional 12 VDC, 200 Amps. Must be installed in battery compartment. Installed as per manufacturer installation instructions.
Service Body Marker Lights, Back-up, Stop/Tail/Turn Lamps and scene lights	97. All lamps must be of LED type.
	98. Body manufacturer is responsible that the completed unit fulfills the Federal Motor Vehicle Safety Standards (FMVSS) and the Canada Motor Vehicle Safety Standards (CMVSS) lighting requirements.
Battery charger	99. Must convert AC voltage to DC voltage for both DC load operation and 12V battery charging. Battery charger must be installed on driver side at the front of the vehicle. Automatic charge controller must be on control panel. Charger must be hardwired from circuit breaker panel.
	100. Charge line from charger to auxiliary battery must be fused at both ends
Control panel	101. Must be located in the box area on the curb side wall at the rear of the curb side man door. Must 102. accommodate the following items: <ul style="list-style-type: none"> <li>• Working table light switch</li> <li>• Cargo space light switch</li> <li>• Chassis battery voltmeter</li> <li>• Auxiliary battery voltmeter</li> <li>• Generator starter/hour meter</li> <li>• 12 VDC automotive “cigar lighter” plug type</li> <li>• Heater controls</li> <li>• Air conditioner controls</li> </ul>
	103. Panel must be made of aluminum, all wires must be recessed and must be easily removable with tools.





Fuse holder kit	104. Must be installed in 12 volts electrical panel. Must present a minimum of eight (8) circuits for the following accessories: <ul style="list-style-type: none"> <li>• Strobe light circuit</li> <li>• Rear scene lights circuit</li> <li>• Street and curb side scene lights circuit</li> <li>• Traffic arrow circuit</li> <li>• Cargo lights circuit</li> <li>• Cab dome light circuit</li> <li>• Heater</li> </ul>
	105. Identify each fuse by providing a decal on the cover of the enclosure. Leave the remaining circuits opened (no fuse).
Cargo space lighting	106. Lighting must be made of LED strips. Must be installed on box ceiling center from front to rear.
	107. Cargo space lighting must be controlled by a switch mounted to control panel
Work bench lighting	108. Lighting to be made of LED strips. Full length strips to be installed on ceiling above work bench area.
	109. Work bench lighting must be controlled by a switch mounted to control panel.
<b>ELECTRICAL EQUIPMENT (120-240 VAC)</b>	
Generator	110. Must be Onan Commercial Quiet 7.0 kw gas with EFI, 120/240V or equivalent, must be installed with required hardware to connect the generator to the electrical panel with an appropriate cable and male twist lock. Male twist-lock shall be easily accessible without any tool and at eye sight when generator compartment is opened. Approx. dimensions: 34" (inches) in width, 22" (inches) deep and 17" (inches) in height. A remote start/stop switch and hour meter must be installed inside body at control panel.
	111. Generator must be connected to the truck chassis fuel tank by using the auxiliary port on the tank.
	112. All DC wires are to run through compartment floor. Use rubber grommets to prevent chafing. Use urethane based sealant to seal this hole.
	113. Generator tailpipe must be manufactured by body manufacturer if required.
Roof mounted air conditioner and ventilation	114. 13,500 BTU low profile AC/heat pump with ducted ceiling package must be installed. Ducking in ceiling must be fabricated in order to circulate fresh air.



	<p>115. Temperature must be controlled by a wall mounted thermostat. Thermostat must be located on control panel</p>
	<p>116. Air conditioner must be located on curb side forward body roof in a fashion to minimize interference with the aerial ladder.</p>
	<p>117. A roof vent must be located on the street side forward body roof in a fashion to minimize interference with the aerial ladder, opposite from roof A/C.</p>
AC wiring	<p>118. All the cables used must be of the type TEK, except for the cable between the generator and the electrical distribution panel that must be of the type SOW, c/w a twist lock 30 Amps female connector. All AC wires must be in a liquid-tight conduit presenting a galvanized steel strip helically wound with nylon cord packing covered with flexible PVC</p>
	<p>119. All breakers must be GFI. Electrical panel to be of appropriate size. AC must be distributed via six (6) circuits:</p> <ul style="list-style-type: none"> <li>• Circuit A 115V 15 amps: Battery charger, 1 interior duplex receptacle.</li> <li>• Circuit B 115V 15 amps: 1 interior duplex receptacle, 1 exterior duplex receptacle</li> <li>• Circuit C 115V 15 amps: Roof mounted air conditioning, hardwired</li> <li>• Circuit D 115V 15 amps: Hydraulic ladder 120V, 1 exterior duplex receptacle</li> <li>• Circuit E 230 V 20 amps: Hydraulic ladder 230V, 1 exterior L14-20R</li> <li>• Circuit F: 2 interior duplex receptacles</li> </ul>
<b>AERIAL LADDER</b>	
Ladder / mast	<p>120. Must be no out-riggers type required for vehicle stabilisation during operation</p>
	<p>121. Must be 50' (feet) insulated aerial service ladder mounted and installed on the roof of the service cube body.</p>
	<p>122. Must be Electric/Hydraulic ladder mast system</p>
Mounting	<p>123. Mounting of the ladder mast system must be done in such a way as to maximize the interior cargo space and accessibility to the cargo area of the service cube body. A large center post in the cargo area is not acceptable.</p>
	<p>124. Must be 360 degree rotation (non-continuous is permissible)</p>



	125. Vertical rotation, -5 degrees minimum to 80 degrees maximum.
	126. Ladder/Mast must be a 3 tier collapsible system for compact storage in rest position.
	127. Articulated ladder/mast type is not acceptable.
Lift ring	128. Must be capable of lifting loads of 500 lbs
Basket	129. Basket capacity must be a minimum of 300lbs.
	130. Basket working height must be a minimum of 45' (feet).
	131. Basket side reach must be a minimum of 35' (feet).
	132. Basket must be in front of vehicle in rest position.
	133. Safety line must be installed along mast for safety harness system.
	134. Must have folding walkway, to allow user to walk comfortably/safely to and from basket. Must fold away to expose ladder system for egress.
	135. One (1) 110V receptacle must be installed in basket
	136. Must have a removable tool tray/caddy
	137. Must have a basket cover (ridged or pliable is acceptable)
	138. Must have a basket heater for worker (750 watts minimum)
	139. Must have a vinyl or rubber anti-fatigue matt
140. Must have a water drain hole in basket	
Electrical controls	141. Electric/hydraulic ladder/mast system must be able to operate independently from the base vehicle engine.
	142. Electric/hydraulic ladder/mast system must be powered primarily via secondary battery set installed inside the body.



	<p>143. In case of reduction or loss of power, the base vehicle or generator must automatically start and provide sufficient power to recharge the battery set as well as safely operate ladder/mast system.</p>
	<p>144. Battery set must be charged automatically by using the base vehicle charging system.</p>
	<p>145. Shore power plug/charging system must be provided in order to maintain battery set charge level while vehicle is not in use.</p>
	<p>146. Dual controls to operate system must be provided (one (1) in truck, one (1) wireless remote control)</p>
	<p>147. Vehicle inclinometer (must be located in vehicle within driver's view)</p>
	<p>148. Two (2) weather proof LED adjustable lights must be mounted on roof of vehicle used to illuminate the working area of the basket at its maximum reach.</p>
	<p>149. All electrical components and wiring must be appropriately fused in one central fuse/control panel located in the cargo area of the truck body.</p>
	<p>150. All electrical components and wiring must be appropriately loomed and protected from electrical shorts and chafing.</p>
<b>MANUALS</b>	
	<p>151. Warranties: Each component manual must include a copy of all applicable warranties.</p>
	<p>152. Service Centre: Each manual must include a list of all Service Centre addresses and phone numbers located within the province of Quebec for all major items of equipment.</p>
	<p>153. Electrical, pneumatic and hydraulic diagrams: If applicable, each manual must include detailed functional electrical, pneumatic and hydraulic diagrams including brand names and part numbers. For testing purposes, some diagrams might be used in a simulator software.</p>
	<p>154. Operating and maintenance instructions must be included for all components.</p>



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	155. Safety topics on all installed equipment must be included.
	156. Two (2) French or bilingual manuals must be provided.



## WARRANTY

157. The Contractor must provide a minimum:
- Ten (10) year warranty against manufacturing and material defects on the truck body build including galvanic reaction.
  - A five (5) year warranty on electrical wiring for AC and DC installed by the fabricator.
  - A two (2) year warranty on all sub components installed by the fabricator.
  - A two (2) year warranty on paint completed by the fabricator. The above warranties will be administered through the successful contract winner/fabricator from the date of delivery including work completed by sub-contractors if any.
  - The cab and chassis will be warranted by the truck OEM.

A signed letter from the Contractor on their company letterhead must be provided stating the above warranties prior to delivery.



**ANNEX "B"**

**BASIS OF PAYMENT**

The Contractor must deliver one (1) Aerial Ladder Truck including related items (i.e. manuals, drawings, etc.) in accordance with **Annex A – Requirement**. Contractor will be paid a firm unit price as per Milestone Schedule.

<b>Milestone No.</b>	<b>Deliverable</b>	<b>Percentage of Firm Price</b>	<b>Unit of Issue</b>	<b>Firm Unit Price</b>
1	First Inspection – Exterior walls and wiring completion	20%	EACH	\$_____
2	Second Inspection - Interior wall, ceiling and flooring completion	20%	EACH	\$_____
3	Final Inspection - prior to shipping to the delivery destination	20%	EACH	\$_____
4	Delivery and Acceptance of Aerial Ladder Truck Build.	40%	EACH	\$_____
<b>Unit Price for Aerial Ladder Truck Build</b>		<b>100%</b>	<b>EACH (A)</b>	<b>\$_____</b>



**ANNEX “C”**

**EVALUATION GRID**

**Mandatory Cab and Chassis Specifications**

Manufacturer Model				
		Indicate Compliance		Supporting Documentation for Equivalent or Statement of Compliance (please indicate the reference page number of your Technical Bid where the information can be found).
		Yes	No	
<b>Mandatory Requirements</b>				
Cab and chassis	Current model year (2019) or newer, 19,500 GVWR minimum, dual rear wheel, 4X4			
Cab configuration	Extended cab, no center door pillar to ease loading			
Wheelbase	192”			
Engine	6.8L gas minimum			
	Block heater			
	Engine hour meter			
Transmission	Automatic 6 speed			
Rear axle	Limited slip			
Suspension	Front heavy service			
Wheels	19.5” 10 hole rated for application			
Tires	Mud and Snow 4X4 tires			
	Spare tire and wheel			
Electrical	Alternator 240 amp			
	Control Area Interface (CAN) Module			
	PowerPoints, two (2) 12V dash mounted minimum			





Fuel	151L minimum			
Cab Features	Air conditioning			
	Cruise control			
	Tilt steering			
	AM/FM radio with Bluetooth			
	Tire pressure monitor			
	Heated remote mirrors			
	Power windows and locks			
	Remote keyless entry with alarm			
	Black vinyl flooring			
	Dark grey cloth seats, front 60/20/60, rear 60/40 folding bench			
	Trailer brake controller			
	Backup alarm (beeper)			
	Rear view camera and prep kit to mount on rear of body			
Keys	Four (4) sets of keys (1 set = 1 key & 1 Fob/remote)			
Color	White			



**SERVICE BODY MANDATORY TECHNICAL DESCRIPTION & REQUIREMENTS**

<b>Mandatory Requirement</b>				
Exterior Box Dimensions	Length: 144"	Indicate Compliance		Supporting Documentation for Equivalent or Statement of Compliance (please indicate the reference page number of your Technical Bid where the information can be found).
	Width: 86.5"	Yes	No	
	Height: 162" (13.5') Including Ladder			
<b>SERVICE BODY TECHNICAL DESCRIPTION &amp; REQUIREMENTS</b>				
Dimensions & Material	1. Total length of cube body to be approx. <u>144"</u> (inches) excluding step bumper. Cube body width to be approx. 86.5" (inches), the manufacturer is responsible that the total width of the vehicle including accessories and other equipment such as side ladder rack be no more than 102" (inches) as per the Motor Vehicle Safety Regulations.			
	2. Total height of completed vehicle including body with ladder must not exceed the maximum provincial vehicle height limit of 13.5' (feet).			



Bridge mount aerial device structure	3. The aerial device structure must comply with the latest published CSA-C225 Canadian standard at the moment of this tender. The manufacturer is responsible to fabricate and install the aerial device structure as per the hydraulic ladder manufacturer drawings and or instructions. The design provided by the hydraulic ladder manufacturer is to be according to a sub-frame design. Contractor is responsible to provide the details of the intended sub-frame design at the pre build meeting.			
Sub-frame construction	4. Sub-frame cross sills must be made of bent or extruded steel structural shapes, each cross sill must present a bending moment of Inertia of at least 500 000 mm <sup>4</sup> or 1.2” <sup>4</sup> and be distanced of a maximum of 16” (inches) on full length.			
	5. Sub-frame rails must be made of an extruded steel shape, each presenting a bending moment of Inertia of at least 714 000mm <sup>4</sup> or 1.71” <sup>4</sup> . Sub-frame rails must be the full length of truck chassis frame rails.			
	6. Sub-frame must be held in place by the means of at minimum three (3) grade 5 u-bolts and nuts on each frame rail (6 total)			



	<p>7. In areas where dissimilar metals may contact, coatings such as ECK must be used in order to prevent galvanic corrosion and deterioration of the structure and components including hinges, handles, fasteners and hardware.</p>			
	<p>8. Whenever manufacturer uses closed/hollow section structural shapes, make sure to make drip holes and apply anti-corrosion treatment inside these closed sections.</p>			
	<p>9. Sub-frame to be sprayed with rubberized black undercoating.</p>			
<p>Body Wall Construction</p>	<p>10. Exterior body wall material must be 3003-H14 aluminum 11 gauge (0.091" or more). Painted white.</p>			
<p>Body Wall Construction</p>	<p>11. Wall structure must be made of appropriate aluminum structural shapes providing a bending moment of inertia of at least 130 000 mm<sup>4</sup> or 0.31"<sup>4</sup> at every 16" (inches) or less</p>			
<p>Body Wall Construction</p>	<p>12. Walls must be insulated with rigid fiber glass insulation board with vapor barrier or equivalent.</p>			
<p>Body Wall Construction</p>	<p>13. Interior finishing must be made with 3003-H14 aluminum 0.125". No electrical wires are to run inside the walls.</p>			



Roof construction	14. To be made of 3003-H14 aluminum 11 gauge (0.091" or more). Painted white			
	15. Cross ribs to support the roof must be installed at every 16" (inches) or less and must be made of aluminum. Cross ribs must present a bending moment of Inertia of at least 111 000 mm <sup>4</sup> or 0.268"⁴.			
	16. Roof must be insulated with rigid fiber glass insulation board with vapor barrier.			
Floor construction	17. The floor must be made of 0.125" (inches) thick aluminum. A protection between aluminum & steel sub-frame is to be applied. Aluminum floor is to be fastened to sub frame using heavy-duty stainless steel rivets.			
	18. Over the aluminum structural floor, a 1/4" (inch) commercial grade recycled rubber carpet must be installed. Rubber carpet to have an approximate hardness of 60 Shore A and a wet coefficient of friction between 0.8 and 1.2.			
	19. In order to gain in total and interior heights wheel boxes must be made in flooring to lower the floor as much as possible. Manufacturer is responsible to comply with wheel/tires/axles clearance data provided by chassis manufacturer			



Curb side man door	20. Must be located on curbside wall, at the front of cube van. Door opening width to be approx. 30" (inches), height to be approx. 84" (inches). To be made of same material as cube body. Door to be insulated with rigid fiber glass insulation board with vapor barrier or equivalent.			
	21. Door must be provided with an exterior lockable handle and an interior handle. Man door locks to be keyed alike.			
	22. Door must be weatherproof. Must present a 14" X 24" (inches) window with a steel security screen			
	23. Door must present at least four (4) hinges. Must be hinged towards front side of vehicle.			
	24. Door must have an open retaining mechanism			
Rear man door	25. Must be located on rear cube wall. Door opening width to be approx. 36" (inches), height to be approx. 78" (inches). Must be made of same material as cube body. Must be insulated with rigid fiber glass insulation board with vapor barrier or equivalent. Door must be weatherproof.			
	26. Door must be provided with an exterior lockable handle and an interior handle. Man door locks must be keyed alike.			



	27. Door must present at least four hinges. To be hinged on street side of vehicle.			
	28. Door must be weatherproof. Must present a 22" X 24" (inches) window with a steel security screen.			
	29. Door must have an open retaining mechanism			
Man doors	30. Curb side and rear door must be keyed alike, slam type latches must be installed with two (2) contact points minimum.			
Curb side storage compartment	31. A storage compartment for safety cones must be placed immediately after curb side man door.			
	32. Must be made of same material as cube body. Must be insulated from interior. Compartment opening dimensions to be approx. 28" (inches) in width and approx. height of 48" (inches) from lower skirt to bottom of inside work bench.			
	33. Compartment hinges must be made of stainless steel. Must be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors must be keyed alike.			



Battery compartment street side	34. To be made of same material as cube body. Located on rear street side corner of body. Compartment opening dimensions to be 17" (inches) in width and 13.75" (inches) in height. Compartment door must have louvers for ventilation so battery gases may exit compartment			
	35. Bottom of compartment to be covered with a recycled rubber mat. Drain holes are to be present			
	36. No compartment door retaining mechanism is to be installed			
	37. Compartment must have sealed wire-passes where electrical wires are routed. Wire-passes are to be of strain-relief type, no chafing will be tolerated.			
	38. Compartment hinges must be made of stainless steel. Must be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors must be keyed alike.			
Rustproofing	39. Chassis cab undercarriage, service body undercarriage and cab cavities must be treated with rubberized coating.			





Generator compartment street side	<p>40. Must be made of same material as cube body. Located on street side wall at the front corner of body. Compartment minimal opening dimensions to be 40" (inches) in width and 28" (inches) in height, 24" (inches) deep.</p>			
	<p>41. Compartment door must be hinged at top and must present a door open retaining mechanisms. Compartment door must present louvers for fresh air intake, hot air discharge and exhaust gases. Compartment hinges must be made of stainless steel. Must be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors must be keyed alike.</p>			
	<p>42. A ducting section must be manufactured between generator and bottom of compartment to direct hot air outside the compartment as per generator manufacturers' specifications.</p>			
	<p>43. Electrical wires and fuel lines must be protected against heat sources with appropriate shielding. These wires and lines must be installed in a fashion where they cannot get squeezed, chafed or rubbed by the travelling motion of the vehicle.</p>			



	44. Electrical wires (DC & AC) must not pass thru flooring in same hole as fuel line.			
Storage compartment street side	45. To be made of same material as cube body. Located on street side lower body skirt after generator compartment and ahead of rear wheels. Compartment width / height / deep, to use maximum below floor available space.			
	46. Bottom of compartment to be covered with a recycled rubber mat.			
	47. Compartment hinges to be made of stainless steel. Door hinged at front. To be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors to be keyed alike.			



Storage compartment "manhole" rear body	48. Must be made of same material as cube body. Located at rear of vehicle, between main access door and street side edge of body. Weatherproof insulated door approx. 18" (inches) wide x 60" (inches) high, final depth to be determined at pre-production meeting. Door must hinge on street side. Must be provided with an exterior stainless steel lockable paddle lock. Lock must have a cover to protect it from the elements. All compartment doors to be keyed alike.			
Ladder & step ladder racks	49. Ladder racks and step ladder rack must be made of aluminum, painted white and present a locking mechanism so no ladder movement is possible when stored. Racks must be installed on exterior driver side wall.			
Grab handles	50. One (1) handle must be installed at the rear of the vehicle on curb side of rear man door, a second one must be installed on the curb side at the rear of the curb side man door.			
	51. Grab handles must be installed using insert nuts in aluminum body.			
Rear bumper	52. Rear step bumper must be fabricated by body builder, must be made of hot dipped galvanized steel or e-coated steel with a non-slip surface.			



	<p>53. No step (ground-to-step bumper, bumper-to-cube van floor) shall be more than 16" (inches) vertically. If more than 16" (inches) a foldable step of 29" (inches) wide must be incorporated in the step bumper.</p>			
	<p>54. Spring loaded orange marker sticks must be installed horizontally at each extremity of the bumper. The markers shall mark the 102" (inches) total width.</p>			
Roof deck (surrounding ladder access)	<p>55. Must be made with an aluminum structure, surface material to be aluminum grip-strut of appropriate dimensions</p>			
	<p>56. Ease of removal is to be considered, as well as the ease of removal of snow and dirt.</p>			
Safety rail	<p>57. Must be made of aluminum 1.5" (inches) square tubing. One (1) rail to be at the rear of the roof deck, the other to be on curbside. Rails must be removable. On the two (2) vertical members of the rails that are the closest to the roof access ladder, grip tape must be present on the entire length</p>			
	<p>58. Rail anchors brackets must be made of aluminum. Part of rail anchors to be fastened to roof deck.</p>			



Roof access ladder	59. Must be mounted on the rear cube body wall, curbside.			
Wheel chocks (2)	60. Must be made of steel, painted white. To be stored outside the vehicle, close to rear wheel fenders			
	61. A cut-out in service body exterior walls must be done on each side of the vehicle. Cut-out must present a bottom plate to hold wheel chocks, large drain holes must be present. A trim must be installed on cut-out perimeter to avoid damage to the wall paint and material.			
Rear kick plate	62. Made of aluminum checkered plate. Dimensions to be; at least the width of the rear man door opening, in height, between top most part of rear bumper and bottom of rear man door opening.			
<b>CAB EQUIPMENT</b>				
Back up camera	63. Must install a rear view monitor on dash with a camera mounted at rear of truck body above man door.			
First aid kit holder	64. Must be installed in cab on rear wall below rear view window. Apply green cross decal on or close to holder. Decal must be visible even when kit is in the holder.			



Flare kit holder	65. Must be installed behind rear passenger seat, at approximately 15" (inches) above the floor. Must be easily accessible			
Hard hat holder	66. Must be installed on passenger seat back			
Cab center console	67. Cab center console must be made of aluminum and painted to match interior. Cab center console is to store document and hold pad on top of surface.			
<b>CARGO BODY EQUIPMENT / LAYOUT (see Annex E - Conceptual Drawing)</b>				
Rear Wall Forward Driver side top shelf	68. Must be fabricated as per conceptual drawing. Must be made of aluminum. Shelf to extend from rear wall top of exterior storage cabinet towards front interior wall ending even with edge of drawer cabinet. Shelf to be 20" (inches) wide at top of both cabinets and 18" (inches) in between cabinets. Shelf must present an upward lip with holes for bungee cords. On ceiling, an angle with holes is to be present for bungee cords. This angle is to follow shelf contour.			
	69. Use plastic end-tips on cords. Bungee cord must be installed in a "W" fashion.			



Street side shelving	70. Must be fabricated as per conceptual drawing. Must be made of aluminum. Two (2) shelves spaced between top shelf and floor to extend from rear exterior storage compartment to drawer cabinet. Shelves to be 18" (inches) wide. Shelves must present slots, twenty (20) per shelf, in upward front and rear lips to accommodate dividers. Twenty (20) dividers must be supplied with shelving. On floor, a 3" (inches) high angle with holes is to be present for bungee cords or netting to secure items left on floor under shelf.			
	71. Two (2) bungee cords with plastic tips per shelf must be installed horizontally from rear storage compartment to drawer cabinet. For lower angle with holes, bungee cord to be installed in a "W" fashion.			
Drawer cabinet	72. Fabricated as per conceptual drawing. Two (2) drawer cabinets with six (6) drawers in each are required and must be mounted side by side of each other.			



	<p>73. Requirements;</p> <ul style="list-style-type: none"><li>• Must be made of aluminum.</li><li>• Must extend from top of generator compartment to top shelf, each cabinet approximately 16" (inches) wide and 24" (inches) deep</li><li>• Six (6) small drawers must have a capacity of 30lbs minimum each. Six (6) larger drawers must have a capacity of 60lbs minimum each.</li><li>• Drawers must slide in and out with ease by using drawer slides for rated capacity</li><li>• Drawers must stay horizontal when slide out.</li><li>• Drawers must incorporate a system to make them removable.</li><li>• Cabinet must be of riveted or welded construction.</li></ul> <p>Cabinet must present a latch on each drawer to keep the drawers closed when vehicle is in movement.</p>	158.	159.	160.
	<p>74. Each cabinet to present six (6) drawers</p> <ul style="list-style-type: none"><li>• First drawer on the bottom will be approx. 10" (inches) in height.</li><li>• 2 drawers above will also be approx. 10" (inches) in height.</li><li>• 3 top drawers will be approx. 5" (inches) in height.</li></ul>	161.	162.	163.





Curb side work bench surface	75. Fabricated as per conceptual drawing, must be fixed on top of curb side shelving from rear wall to edge of front curb side man door. A folding/flip-up section must continue across man door to front wall.			
	76. Flip-up portion of work bench must present a retaining mechanism to lock it in the up position.			
Curb side lining above work bench	77. Wall lining above work bench to be a ½ inch thick plywood. Lining must be bolted to the wall's vertical reinforcement members. Wherever reinforcement members run behind the plywood, a red stripe must be painted on the plywood.			
Curb side shelving	78. Fabricated as per conceptual drawing. A shelf placed mid-way between the floor and bottom of the work bench must extend from the rear wall to the edge of the curb side exterior storage compartment. Supports for the bench must be placed to floor for support as required.			
	79. Two (2) bungee cords per shelf must be installed horizontally with plastic tips to lips on shelves to keep items from falling out or a net system.			
<b>ELECTRICAL GENERAL</b>				



	80. All wires, cables, conduits, accessories, devices, appliances or material used in any AC electrical installation must be certified per the Canadian Standards Association (CSA) or the Underwriters Laboratories of Canada (ULC).			
	81. All AC electrical hardware must be installed in accordance with the requirements of the Canadian Electrical Code. All electrical installations must also conform to all applicable provincial (Quebec) and federal regulations.			
<b>ELECTRICAL EQUIPMENT (12 VDC)</b>				
Electrical panel	82. Panel must be installed on the curb side wall after the man door. Panel must present an aluminum cover, must be easily removable.			
	83. Must use rubber grommets to prevent chafing and wearing as required.			
12 VDC wiring	84. All DC wiring must be surface mounted, no wires shall run inside the walls. Wiring must be color coded. Wires must be enclosed in gutters on top of wall all around inside cargo space. All wires must be placed in plastic loom for protection.			



Strobe lights	85. Two (2) 12V amber strobe lights must be installed. One (1) on the front and one (1) on the rear of the body.			
	86. Must be connected using two (2) pole weatherproof connectors. One (1) On/Off switch with LED pilot lamp must be installed in vehicle's dash and second LED pilot lamp at electrical panel location in truck body.			
	87. Must be visible at a minimum distance of 300m in all directions			
	88. A rubber grommet with strain relief and sealant shall ensure water tightness where beacon wire enters vehicle.			
Scene lights rear (2)	89. Must be installed at each rear upper corner of truck body and be controlled by a switch located inside the cab with LED pilot lamp.			
Scene lights street and curb sides	90. Street side lights to be controlled by one switch with LED pilot lamp in cab, curb side light to be controlled by another switch with LED pilot lamp. Scene lights must be placed in upper middle of box.			
Traffic director arrow	91. Arrow must be installed at rear of truck and controlled by switch in cab with LED pilot lamp.			



	92. A rubber grommet with strain relief and sealant must ensure water tightness where arrow wire enters vehicle roof.			
Truck body heating system	93. Heating must work on fuel from vehicle and 12V DC. Must be quiet and low on fuel and electrical consumption. Installed on flooring under bottom shelf of curb side shelving, at the rear of the cargo space. YUHUA Gasoline Air Heater or equivalent.			
	94. Controller must be 7-day programmable type. Controller must be installed on control panel.			
Auxiliary batteries (2)	95. Must be: <ul style="list-style-type: none"> <li>• Amp Hour Capacity @ 20 hr rate: 180 a/h</li> <li>• Reserve Capacity @ 25 amp discharge rate: 375 mins</li> <li>• BCI Group Size: GC2 (Golf Cart)</li> <li>• Marine Cranking Amps @ 32* F: 850 amps</li> <li>• Cold Cranking Amps @ 0* F: 585 amps</li> </ul>			
Battery separator	96. Must be unidirectional 12 VDC, 200 Amps. Must be installed in battery compartment. Installed as per manufacturer installation instructions.			
Service Body Marker Lights, Back-up,	97. All lamps must be of LED type.			



Stop/Tail/Turn Lamps and scene lights	98. Body manufacturer is responsible that the completed unit fulfills the Federal Motor Vehicle Safety Standards (FMVSS) and the Canada Motor Vehicle Safety Standards (CMVSS) lighting requirements.			
Battery charger	99. Must convert AC voltage to DC voltage for both DC load operation and 12V battery charging. Battery charger must be installed on driver side at the front of the vehicle. Automatic charge controller must be on control panel. Charger must be hardwired from circuit breaker panel.			
	100. Charge line from charger to auxiliary battery must be fused at both ends			
Control panel	<p>101. Must be located in the box area on the curb side wall at the rear of the curb side man door. Must accommodate the following items;</p> <ul style="list-style-type: none"> <li>• Working table light switch</li> <li>• Cargo space light switch</li> <li>• Chassis battery voltmeter</li> <li>• Auxiliary battery voltmeter</li> <li>• Generator starter/hour meter</li> <li>• 12 VDC automotive “cigar lighter” plug type</li> <li>• Heater controls</li> <li>• Air conditioner controls</li> </ul>			



	102. Panel must be made of aluminum, all wires must be recessed and must be easily removable with tools.			
Fuse holder kit	103. Must be installed in 12 volts electrical panel. Must present a minimum of eight (8) circuits for the following accessories; <ul style="list-style-type: none"> <li>• Strobe light circuit</li> <li>• Rear scene lights circuit</li> <li>• Street and curb side scene lights circuit</li> <li>• Traffic arrow circuit</li> <li>• Cargo lights circuit</li> <li>• Cab dome light circuit</li> <li>• Heater</li> </ul>			
	104. Identify each fuse by providing a decal on the cover of the enclosure. Leave the remaining circuits opened (no fuse).			
Cargo space lighting	105. Lighting must be made of LED strips. Must be installed on box ceiling center from front to rear.			
	106. Cargo space lighting must be controlled by a switch mounted to control panel			
Work bench lighting	107. Lighting to be made of LED strips. Full length strips to be installed on ceiling above work bench area.			



	108. Work bench lighting must be controlled by a switch mounted to control panel.			
<b>ELECTRICAL EQUIPMENT (120-240 VAC)</b>				
Generator	109. Must be Onan Commercial Quiet 7.0 kw gas with EFI, 120/240V or equivalent, must be installed with required hardware to connect the generator to the electrical panel with an appropriate cable and male twist lock. Male twist-lock shall be easily accessible without any tool and at eye sight when generator compartment is opened. Approx. dimensions: 34" (inches) in width, 22" (inches) deep and 17" (inches) in height. A remote start/stop switch and hour meter must be installed inside body at control panel.			
	110. Generator must be connected to the truck chassis fuel tank by using the auxiliary port on the tank.			
	111. All DC wires are to run through compartment floor. Use rubber grommets to prevent chafing. Use urethane based sealant to seal this hole.			
	112. Generator tailpipe must be manufactured by body manufacturer if required.			



Roof mounted air conditioner and ventilation	113. 13,500 BTU low profile AC/heat pump with ducted ceiling package must be installed. Ducting in ceiling must be fabricated in order to circulate fresh air.			
	114. Temperature must be controlled by a wall mounted thermostat. Thermostat must be located on control panel			
	115. Air conditioner must be located on curb side forward body roof in a fashion to minimize interference with the aerial ladder.			
	116. A roof vent must be located on the street side forward body roof in a fashion to minimize interference with the aerial ladder, opposite from roof A/C.			
AC wiring	117. All the cables used must be of the type TEK, except for the cable between the generator and the electrical distribution panel that must be of the type SOW, c/w a twist lock 30 Amps female connector. All AC wires must be in a liquid-tight conduit presenting a galvanized steel strip helically wound with nylon cord packing covered with flexible PVC			





	<p>118. All breakers must be GFI. Electrical panel to be of appropriate size. AC must be distributed via six (6) circuits;</p> <ul style="list-style-type: none"> <li>• Circuit A 115V 15 amps: Battery charger, 1 interior duplex receptacle.</li> <li>• Circuit B 115V 15 amps: 1 interior duplex receptacle, 1 exterior duplex receptacle</li> <li>• Circuit C 115V 15 amps: Roof mounted air conditioning, hardwired</li> <li>• Circuit D 115V 15 amps: Hydraulic ladder 120V, 1 exterior duplex receptacle</li> <li>• Circuit E 230 V 20 amps: Hydraulic ladder 230V, 1 exterior L14-20R</li> <li>• Circuit F: 2 interior duplex receptacles</li> </ul>			
<b>AERIAL LADDER</b>				
Ladder / mast	<p>119. Must be no outriggers type required for vehicle stabilisation during operation</p>			
	<p>120. Must be 50' (feet) insulated aerial service ladder mounted and installed on the roof of the service cube body.</p>			
	<p>121. Must be Electric/Hydraulic ladder mast system</p>			
Mounting	<p>122. Mounting of the ladder mast system must be done in such a way as to maximize the interior cargo space and accessibility to the cargo area of the service cube body. A large center post in the cargo area is not acceptable.</p>			



	123. Must be 360 degree rotation (non-continuous is permissible)			
	124. Vertical rotation, - 5 degrees minimum to 80 degrees maximum.			
	125. Ladder/Mast must be a 3 tier collapsible system for compact storage in rest position.			
	126. Articulated ladder/mast type is not acceptable.			
Lift ring	127. Must be capable of lifting loads of 500 lbs			
Basket	128. Basket capacity must be a minimum of 300lbs.			
	129. Basket working height must be a minimum of 45' (feet).			
	130. Basket side reach must be a minimum of 35' (feet).			
	131. Basket must be in front of vehicle in rest position.			
	132. Safety line must be installed along mast for safety harness system.			
	133. Must have folding walkway, to allow user to walk comfortably/safely to and from basket. Must fold away to expose ladder system for egress.			



	134. One (1) 110V receptacle must be installed in basket			
	135. Must have a removable tool tray/caddy			
	136. Must have a basket cover (ridged or pliable is acceptable)			
	137. Must have a basket heater for worker (750 watts minimum)			
	138. Must have a vinyl or rubber anti-fatigue matt			
	139. Must have a water drain hole in basket			
Electrical controls	140. Electric/hydraulic ladder/mast system must be able to operate independently from the base vehicle engine.			
	141. Electric/hydraulic ladder/mast system must be powered primarily via secondary battery set installed inside the body.			
	142. In case of reduction or loss of power, the base vehicle or generator must automatically start and provide sufficient power to recharge the battery set as well as safely operate ladder/mast system.			



	143. Battery set must be charged automatically by using the base vehicle charging system.			
	144. Shore power plug/charging system must be provided in order to maintain battery set charge level while vehicle is not in use.			
	145. Dual controls to operate system must be provided (one (1) in truck, one (1) wireless remote control)			
	146. Vehicle inclinometer (must be located in vehicle within driver's view)			
	147. Two (2) weather proof LED adjustable lights must be mounted on roof of vehicle used to illuminate the working area of the basket at its maximum reach.			
	148. All electrical components and wiring must be appropriately fused in one central fuse/control panel located in the cargo area of the truck body.			
	149. All electrical components and wiring must be appropriately loomed and protected from electrical shorts and chafing.			
<b>MANUALS</b>				



	150. Warranties: Each component manual must include a copy of all applicable warranties.			
	151. Service Centre: Each manual must include a list of all Service Centre addresses and phone numbers located within the province of Quebec for all major items of equipment.			
	152. Electrical, pneumatic and hydraulic diagrams: If applicable, each manual must include detailed functional electrical, pneumatic and hydraulic diagrams including brand names and part numbers. For testing purposes, some diagrams might be used in a simulator software.			
	153. Operating and maintenance instructions must be included for all components.			
	154. Safety topics on all installed equipment must be included.			
	155. Two (2) French or bilingual manuals must be provided.			
<b>WARRANTY</b>				



	<p>156. The Contractor must provide a minimum:</p> <ul style="list-style-type: none"><li>• Ten (10) year warranty against manufacturing and material defects on the truck body build including galvanic reaction.</li><li>• A five (5) year warranty on electrical wiring for AC and DC installed by the fabricator.</li><li>• A two (2) year warranty on all sub components installed by the fabricator.</li><li>• A two (2) year warranty on paint completed by the fabricator. The above warranties will be administered through the successful contract winner/fabricator from the date of delivery including work completed by sub-contractors if any.</li><li>• The cab and chassis will be warranted by the truck OEM.</li></ul> <p>A signed letter from the Contractor on their company letterhead must be provided stating the above warranties prior to delivery.</p>			
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**Annex "D"**  
**INTEGRITY PROVISIONS**

In accordance with the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder/Offeror/Supplier must provide the required documentation, as applicable, to be given further consideration in the procurement process:

- Declaration of Convicted Offences (as applicable<sup>1</sup>)  Applicable  Not Applicable  
If applicable, please complete and submit the [Integrity Declaration Form](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>).
- Documentation Required (see below)

By submitting a bid/offer/proposal, the Bidder/Offeror/Supplier certifies that:

- It has read and understands the Ineligibility and Suspension Policy;
- It understands that certain domestic and foreign criminal charges and convictions, and other circumstances, as described in the Policy, will or may result in a determination of ineligibility or suspension under the Policy;
- It is aware that Canada may request additional information, certifications, and validations from the supplier or a third party for purposes of making a determination of ineligibility or suspension;
- It has provided with its bid/offer/proposal a complete list of all foreign criminal charges and convictions pertaining to itself, its affiliates and its proposed first-tier subcontractors that, to the best of its knowledge and belief, may be similar to one of the listed offences in the Policy;
- None of the domestic criminal offences, and other circumstances, described in the Policy that will or may result in a determination of ineligibility or suspension, apply to it, its affiliates and its proposed first-tier subcontractors; and
- It is not aware of a determination of ineligibility or suspension issued by Public Services and Procurement Canada (PSPC) that applies to it.

**Documentation Required:**

1. **Legal Name:** \_\_\_\_\_

2. **Business Entity:**  
(select one)

Individual (person)	
Corporate (company ie. incorporated, limited, etc.)	
Joint Venture (2 or more parties in a business arrangement)	
Other (ie. society, commission or partnership)	

3. **List of Names** (members of the board of directors, private owners, or sole proprietors, as outlined in section 17 of the *Ineligibility and Suspension Policy*: <http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html#no17>):

Please insert names below (add/remove lines as required).

- a)
- b)
- c)
- d)
- e)
- f)

**The Bidder certifies that the information submitted in response to the above requirement is accurate and complete.**

Name and Title	Signature	Date

<sup>1</sup> An Integrity Declaration Form must be submitted **only** when:

- A. the supplier, one of its affiliates or a proposed first-tier subcontractor has been charged with or convicted of a criminal offence in a country other than Canada that, to the best of the supplier's knowledge and belief, may be similar to one of the listed offences in the [Ineligibility and Suspension Policy](#) (the "Policy"); and/or
- B. the supplier is unable to provide any of the certifications required by the [Integrity Clauses](#).