



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

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: Travaux Publics et Services
Gouvernementaux 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 annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet Truck, Explosive Disposal Unit	
Solicitation No. - N° de l'invitation M9062-202735/A	Date 2020-01-06
Client Reference No. - N° de référence du client M9062-202735	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-539-78313	
File No. - N° de dossier hp539.M9062-202735	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-02-18	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes	
Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Cafferty, Kathy	Buyer Id - Id de l'acheteur hp539
Telephone No. - N° de téléphone (613) 297-2896 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Vehicles & Industrial Products Division
140 O'Connor, Tower East
4th Floor
140 O'Connor, Tour Est
4ème étage
Ottawa
Ontario
K1A 0S5

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
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)	
Signature	Date

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Annex "A" - Pricing

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Appendix 1 to Annex "B" – RCMP TRUCK SPECIFICATION dated December 19, 2019

Appendix 2 to Annex "B" – RCMP BOX SPECIFICATION dated December 19, 2019

Annex "C" to Part 3 of the Bid Solicitation - Electronic Payment Instruments

PART 1 - GENERAL INFORMATION

1.1 Requirement

1.1.1 The RCMP requires the vehicles and related items as detailed herein, in accordance with Annex "A" – Pricing, Annex "B" - RCMP Truck Spec dated December 19, 2019, Appendix 1 to Annex "B" – RCMP TRUCK SPECIFICATION dated December 19, 2019 and Appendix 2 to Annex "B" – RCMP BOX SPECIFICATION dated December 19, 2019 attached hereto.

1.1.2 Irrevocable options identified in Annex "A"- Pricing.

1.1.2.1 The options may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

1.1.2.2 The options may be exercised in whole or in part and on more than one occasion at the sole discretion of Canada, up to the maximum quantity identified in Annex "A"- Pricing.

1.1.2.3 The options may be exercised within twelve (12) months after contract award.

1.1.3 Government-Supplied Material (GSM)

1.1.3.1 Government-supplied material (GSM) must be used in the manufacture of the item(s) detailed in the Contract.

1.1.3.2 Canada will provide to the successful Bidder the Government-supplied material (GSM) specified in the Specification free of charge, including transportation to the following address:

(the Bidder must insert the destination address).

1.2 Debriefings

Bidders may request a debriefing on the results of the bid solicitation. Bidders should make the request to the Contracting Authority within 15 working days of receipt of notification that their bid was unsuccessful. The debriefing may be provided in writing, by telephone or in person.

1.3 Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

1.4 Epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

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.

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.

The 2003 standard instructions is amended as follows:

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

Delete: sixty (60) days
Insert: ninety (90) days

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated in the bid solicitation.

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

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 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 questions or may request that the Bidder do so, so that the proprietary nature of the question 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 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least seven (7) calendar days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I:	Technical Bid
Section II:	Financial Bid
Section III:	Certifications
Section IV:	Additional Information

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I:	Technical Bid (2 hard copies)
Section II:	Financial Bid (1 hard copy)
Section III:	Certifications (1 hard copy)
Section IV:	Additional Information (1 hard copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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

3.1.1 Equivalent Products

1. Products that are equivalent in form, fit, function and quality to the item(s) specified as “or equivalent” in the bid solicitation will be considered where the Bidder:
 - a. designates the brand name, model and/or part number of the substitute product;
 - b. states that the substitute product is fully interchangeable with the item specified;
 - c. provides complete specifications and descriptive literature for each substitute product;
 - d. provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
 - e. clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria.
2. Products offered as equivalent in form, fit, function and quality will not be considered if:
 - a. the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - b. the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
3. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to provide technical information demonstrating the equivalency (e.g. drawing, specifications, engineering reports and/or test reports, a sample of the product offered), or to demonstrate that the substitute product is equivalent to the item specified in the bid solicitation, at the sole cost of bidders, within three (3) business days of the request. If the bidder fails to provide the requested information within the specified delay, Canada may declare the bid non-responsive.

Section II: Financial Bid

The Bidders must submit their prices in Annex “A”- Pricing and in accordance with the Basis of Payment identified in PART 6 - RESULTING CONTRACT CLAUSES.

3.1.2 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “C” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “C” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.3 Exchange Rate Fluctuation Risk Mitigation

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form [PWGSC-TPSGC 450](http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html)  (http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html) Claim for Exchange

- Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
 3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
 4. At time of bidding, the Bidder must complete columns (1) to (4) on form [PWGSC-TPSGC 450](http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html)  (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/450-eng.html>) for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
 5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

Section III: Certifications

Bidders must submit the certifications required under PART 5 - CERTIFICATIONS.

Section IV: Additional Information

Canada requests that bidders submit the following information:

3.1.4 Delivery

Firm Quantity

While delivery of the vehicles is requested by November 12, 2020, the best delivery that can be offered is as follows:

Item 001 – Qty 1, Truck, EDU will be delivered within ____ calendar days from the effective date of the contract.

Item 002 – Qty 1, Truck, EDU will be delivered within ____ calendar days from the effective date of the contract.

Optional Quantity

If an option is exercised, the best delivery that can be offered is as follows:

Item 003 - Up to Qty 1, Truck, EDU will be delivered within ____ calendar days after an option is exercised.

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3.1.5 Warranty Period

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

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

4.1.1.1 Bidders must submit, with their bid, the followings documents:

- 1) Completed Appendix 1 to Annex "B" – RCMP TRUCK SPECIFICATION dated December 19, 2019;
- 2) Completed Appendix 2 to Annex "B" – RCMP BOX SPECIFICATION dated December 19, 2019;
- 3) Detailed proposal from the OEM on the cab and chassis;
- 4) Minimum of 5 references on similar emergency vehicle builds that have been completed within the last 5 years by the vehicle upfitter.

4.1.1.2 Equivalent Products

Bidders proposing substitutes and/or alternatives must provide with their bid all the information requested as detailed in Part 3, "Equivalent Products" to be considered for evaluation.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Evaluation Criteria

4.1.2.1.1 Bidders must provide, with their bid, the financial information requested in the bid solicitation and at Annex A - Pricing for items 001, 002, and 003.

4.1.2.1.2 The prices of the bid Bids must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for the firm quantity for item 001, 002 and optional quantity item 003. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

4.1.2.1.3 Aggregate Evaluated Price

Bids will be evaluated on an aggregate price basis for the firm quantity and the optional quantity.

4.1.2.1.4 To determine the total price for the firm quantity, calculation will be as follows:

- a) The firm unit price for the firm quantity will be multiplied by their identified estimated quantities.

4.1.2.1.5 Since the optional quantities are to be exercised by provinces, the firm unit price for the optional quantity will be averaged.

To determine the average price for the optional quantities, calculation will be as follows:

- a) The firm unit price for the optional quantity for each province identified will be added; and
- b) The sum will be divided by five (5).

4.1.2.1.6 To determine the aggregate evaluated price for the firm quantity and optional quantity, calculation will be as follows:

- a) The average price for the optional quantity obtained in 4.1.2.1.5 (b) above will be multiplied by the total estimated optional quantity identified; and
- b) The result will be added to the total price for the firm quantity obtained in 4.1.2.1.4 (a) above.

4.2 Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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 will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 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 provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of 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 must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) 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.

5.2.3 Additional Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications 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 comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

5.2.3.1 General Environmental Criteria Certification

The Bidder must select and complete one of the following two certification statements.

A) The Bidder certifies that the Bidder is registered or meets ISO 14001.

Bidders' Authorized Representative Signature

Date

OR

B) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

The Bidder must indicate which four (4) criteria, as a minimum, are met.

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	

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Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

Bidders' Authorized Representative Signature

Date

PART 6 - RESULTING CONTRACT CLAUSES

6.1 Requirement

6.1.1 The Contractor must deliver the vehicles and related items in accordance with Annex "A" – Pricing, Annex "B" - RCMP Truck Spec dated December 19, 2019, Appendix 1 to Annex "B" – RCMP TRUCK SPECIFICATION dated December 19, 2019 and Appendix 2 to Annex "B" – RCMP BOX SPECIFICATION dated December 19, 2019.

6.1.2 The Contractor grants to Canada irrevocable options identified in Annex "A" – Pricing.

6.1.2.1 The options may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

6.1.2.2 The options may be exercised in whole or in part and on more than one occasion at the sole discretion of Canada, up to the maximum quantity identified in Annex "A" - Pricing.

6.1.2.3 The options may be exercised within twelve (12) months after contract award.

6.2. 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) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.2.1 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:

- a. Ten year warranty against manufacturing and material defects on the truck body build including galvanic reaction.
- b. Five year warranty on electrical wiring for AC and DC installed by the fabricator.
- c. Two year warranty on all sub components installed by the fabricator.
- d. Two year warranty on paint completed by the contractor.

- e. 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.
- f. The cab and chassis will be warranted by the truck OEM.

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. Term of Contract

6.3.1 Delivery of Vehicles

6.3.1.1 Firm Quantity

Delivery of the vehicles must be made as follows:

Item 001 - Qty 1, Truck, EDU must be delivered on or before _____.
(Date to be inserted by PWGSC at time of contract award.)

Item 002 - Qty 1, Truck, EDU must be delivered on or before _____.
(Date to be inserted by PWGSC at time of contract award.)

6.3.1.2 Option Quantity

Item 003 – Up to Qty 1, Truck, EDU to be delivered within _____
calendar days after an option is exercised. (To be inserted by PWGSC at
time of contract award.)

6.4. Authorities

6.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Kathy Cafferty
Title: Supply Specialist
Organization: Public Works and Government Services Canada - Acquisitions Branch
LEFT Directorate, HP Division,
140 O'Connor Street, Ottawa, ON, K1A 0S5
Telephone: 613-297-2896

E-mail: kathy.cafferty@pwgsc-tpsgc.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.

6.4.2 Procurement Authority

The Procurement Authority for the Contract is:

Name: _____ (To be inserted by PWGSC at time of contract award.)

Title: _____

Organization: _____

Telephone: ____ - ____ - ____

E-mail: _____

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

6.4.3 Technical Authority

The Technical Authority for the Contract is:

Name: _____ (To be inserted by PWGSC at time of contract award.)

Title: _____

Organization: _____

Telephone: ____ - ____ - ____

E-mail: _____

The Technical Authority named above 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 Technical Authority, however the Technical 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.

6.4.4 Contractor's Representative

Name and telephone number of the person responsible for:

General enquiries:

Name: _____ (To be completed by the bidder.)

Title: _____

Telephone: ____-____-____

E-mail: _____

Delivery follow-up:

Name: _____ (To be completed by the bidder.)

Title: _____

Telephone: ____-____-____

E-mail: _____

6.4.5 After-Sales Service

Canada requests that the Bidder provide the names, addresses and telephone numbers of their dealers and/or agents authorized to provide after sales service, maintenance and warranty repairs, and a full range of spare parts for the vehicle/equipment offered. The Bidder should show the distance between the delivery location and the authorized dealer and/or agent and the delivery location, which should not be more than 100 kilometres.

Item 001

Cab and Chassis:

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: ____ km

Body:

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: ____ km

Item 002

Cab and Chassis:

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: ____ km

Body:

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: ____ km

6.5 Payment

6.5.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm unit price in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, 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.

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable). (delete if the bidder does not request the exchange rate fluctuation)

6.5.2 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.5.3 SACC Manual Clauses

H1001C	Multiple Payments	2008-05-12
C3015C	Exchange rate fluctuation adjustment	2017-08-17

6.6. Invoicing Instructions

6.6.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed. Offerors/suppliers are requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Project Authority, thereby reducing printed material

Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the following address for certification and payment.

(Insert invoicing address as per requisition.)

- (b) One (1) copy must be forwarded to the Contracting Authority identified under section 4. Authorities of the Contract.

6.6.2 Holdback

A ten percent (10%) holdback will apply on the total price of each vehicle (Items 001, 002 and 003) on any due payment of the said vehicle/equipment. Release of the holdback (10%) is conditional upon receipt and certified acceptance by inspection authority of the said vehicle and all ancillary items as identified in Annex "A" - Pricing.

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 Taxes payable as it was claimed and payable under the previous invoice.

- (a) The original and one (1) copy of the invoice for the holdback must be forwarded to the Procurement Authority identified under the section entitled "Authorities" of the Contract.
- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.7. Certifications

6.7.1 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.

6.8. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

6.9. 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) 2010A (2018-06-21) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Specifications - RCMP Truck Spec dated December 19, 2019;
- (e) Appendix 1 – RCMP TRUCK SPECIFICATION dated December 19, 2019;
- (f) Appendix 2 – RCMP BOX SPECIFICATION dated December 19, 2019;
- (g) the Contractor's bid dated _____. (if the bid was clarified or amended, insert at the time of contract award "as clarified on" _____ or "as amended on" _____ and insert date(s).

6.10 SACC Manual Clauses

A1009C	Work Site Access	2008-05-12
A9049C	Vehicle Safety	2011-05-16
A9068C	Government Site Regulations	2010-01-11
B1505C	Shipment of Dangerous Goods/Hazardous Products	2016-01-28
G1005C	Insurance - No Specific Requirement	2016-01-28

6.11 Inspection and Acceptance

The Technical 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 Work 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.

6.12 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 RCMP personnel at the final delivery location.

The fuel tanks must be at least half full prior to release of the vehicle(s) to RCMP personnel.

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.

6.13. 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.

Item 001 - the contact person for delivery is: _____ (to be inserted by PWGSC at time of contract award).

Item 002 - the contact person for delivery is: _____ (to be inserted by PWGSC at time of contract award).

6.14 Post-Contract Award Meeting/Pre-Production Meeting

Within ten (10) working days of the receipt of the contract, the Contractor must contact the Technical Authority to determine the details of a 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/Pre-Production Meeting via teleconference.

6.15 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.

6.16 Material

Material supplied must be new, unused and of current production by manufacturer (2020 model-year or newer).

6.17 Interchangeability

Unless changes during the production run are authorized by the Contracting Authority, all vehicles supplied against any one item of a contract must be the same make and model, and all like assemblies, sub-assemblies and parts must be interchangeable.

6.18 Government-Supplied Material

- 6.18.1 Government-supplied material (GSM) is the property of the Government of Canada. The Contractor is responsible for maintaining satisfactory records of all GSM.
- 6.18.2 The GSM described in the Contract must be used in the manufacture of the item(s) detailed in the Contract. Only the quantity of material stated in the Contract will be supplied by Canada without charge.
- 6.18.3 The Contractor agrees that with the exception of material required for the pre-production sample(s) that may be required in the contract, no GSM will be cut, used or processed until the Technical Authority has approved the pre-production samples and provided a written notice of acceptance. Damage incurred as a result of cutting GSM before acceptance of any pre-production sample(s) is the Contractor's responsibility.
- 6.18.4 The Contractor must replace or make good, at its own expense, any items which fail to conform to the Contract requirements, as a result of faulty or inefficient cutting, manufacture or workmanship.
- 6.18.5 In the event of problems with the GSM supplied, the Contractor must advise the Contracting Authority immediately, identifying the specific problem. If the Contractor proceeds without guidance from the Contracting Authority, any costs incurred and loss of GSM will be at the Contractor's expense.

- 6.18.6 Upon completion of the total contract quantity, if there is excess GSM, the Contractor must return the material to the sender with transportation charges paid by Canada. The Contracting Authority must be contacted to make appropriate arrangements.
- 6.18.7 The Contractor must not dispose of GSM and/or rejected units containing GSM without the written approval of the Contracting Authority. Transportation charges for the return of GSM where the Contract has not been satisfactorily completed will be at the Contractor's expense.

ANNEX "A" - PRICING

Item 001 Truck, EDU (Firm Quantity)

The Contractor must deliver the Truck, EDU and related items in accordance with Annex "B" - RCMP Truck Spec dated December 19, 2019, Appendix 1 to Annex "B" – RCMP TRUCK SPECIFICATION dated December 19, 2019 and Appendix 2 to Annex "B" – RCMP BOX SPECIFICATION dated December 19, 2019 to:

RCMP Headquarters J Division
1445 Regent Street
Fredericton, New Brunswick E3B 4Z8

Delivery contact: _____ (to be inserted by PWGSC at time of contract award)

Date of delivery: _____ (to be inserted by PWGSC at time of contract award)

Firm unit price of \$ _____ per vehicle, including all equipment and related items in accordance with Basis of Payment as detailed at Clause 6.5.1 Basis of Payment.

Quantity: One (1)

Item 002 Truck, EDU (Firm Quantity)

The Contractor must deliver the Truck, EDU and related items in accordance with Annex "B" - RCMP Truck Spec dated December 19, 2019, Appendix 1 to Annex "B" – RCMP TRUCK SPECIFICATION dated December 19, 2019 and Appendix 2 to Annex "B" – RCMP BOX SPECIFICATION dated December 19, 2019 to:

RCMP Headquarters B Division
100 East White Hills Road
St. John's, Newfoundland

Delivery contact: _____ (to be inserted by PWGSC at time of contract award)

Date of delivery: _____ (to be inserted by PWGSC at time of contract award)

Firm unit price of \$ _____ per vehicle, including all equipment and related items in accordance with Basis of Payment as detailed at Clause 6.5.1 Basis of Payment.

Quantity: One (1)

Item 003 Truck, EDU (Optional Quantity)

If this option is exercised, the Contractor must deliver the Truck, EDU and related items in accordance with Annex "B" - RCMP Truck Spec dated December 19, 2019, Appendix 1 to Annex "B" – RCMP TRUCK SPECIFICATION dated December 19, 2019 and Appendix 2 to Annex "B" – RCMP BOX SPECIFICATION dated December 19, 2019:

For Destinations in British Columbia;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Alberta and Saskatchewan;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Manitoba;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in Ontario and Quebec;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment (as detailed at Clause 6.5.1 Basis of Payment).

For Destinations in New Brunswick and Nova Scotia;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Basis of Payment (as detailed at Clause 6.5.1 Basis of Payment).

Quantity: Up to One (1)

ANNEX "C" TO PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

Annex B – RCMP TRUCK SPECIFICATION

Title: EDU Trucks (Explosive Disposal Units)

Objective: The RCMP in B and J Divisions each require one Explosive Disposal Response Unit to replace two aging vehicles that are at the end of their life cycles. The replacement response trucks are specifically designed to meet the operational requirements when responding to explosive related calls in the Atlantic regions where these vehicles will be based. Vehicles must operate safely and efficiently in year round conditions, including mud, snow and ice and in temperatures ranging from -40C to 37C. Vehicles will be operated mainly on paved surfaces (occasional gravel roads) in cities and highways including mountainous areas in the Atlantic Region.

Truck and Box Specification:

This specification will be based on a current model year, Emergency Service Specification, Conventional High Roof Crew Cab and Chassis for both trucks.

The Cab & Chassis and Box are to be considered as a unit and the subject of one tender for both trucks.

Bidders must indicate compliance with the Cab & Chassis specifications and the Box specifications by initialing all areas as indicated in the compliance columns and initialing each page and each drawing.

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 documents.

Dimensions noted in the written specification and on the drawings provided can be considered as approximate and can be adjusted slightly to accommodate the manufacturing requirements on agreement of the RCMP and the successful bidder. RCMP drawings and photos are supplied to illustrate the concept of the intended vehicle only.

Coatings such as ECK must be used at all points where dissimilar metals may be in contact to eliminate galvanic reaction including hinges, handles, fasteners and hardware.

Box Layout:

The box must be separate from the cab portion of the truck and must consist of one inner compartment. The front portion will be used as storage for all the required equipment and consist of a command station to operate the robots as well as monitor operational activities. The rear of the boxes will be for the storage of two robots.

19 December 2019

References:

A minimum of 5 references on similar emergency vehicle builds that have been completed within the last 5 years by the vehicle up-fitter must be included with your proposal.

Deliverables:

Contractor must 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 successful contractor must submit detailed 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 Transport Canada NSM Certification (National Safety Mark).

All related information pertaining to the operation and warranty of added equipment must be included with the delivery of the vehicle.

Items Supplied by the RCMP for each unit:

- TMR Radio Harness with two Radio Control Heads and Speakers
- All Antennas and Coax cables as required for radio and RCMP GPS Tracking System
- ROV Antenna Coax Cables
- ABLOY lock cylinders as required
- Four rechargeable flashlights, two per vehicle
- Two Explosives Magazines, one per vehicle
- ICOR Antenna Mounts for each vehicle

Meeting:

There will be a meeting between Public Services and Procurement Canada (PSPC), the RCMP and the successful contractor prior to construction of this vehicle to ensure that all requirements are understood and will be met. This pre-production meeting will be held at the contractors facility.

Inspections must be done at the following stages in production by the RCMP:

- Exterior walls and wiring completion.
- Interior wall, ceiling and flooring completion.
- There will also be a final inspection prior to shipping to the delivery destination for acceptance in accordance with the terms of the contract.

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Travel:

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 pre-production meeting and inspections will be done at the expense of the RCMP and PSPC where applicable.

Appendix 1 to Annex “B” Mandatory Requirements Specification

RCMP TRUCK SPECIFICATION December 19, 2019

Atlantic Region “B” & “J” Division Explosive Disposal Units

Chassis Specifications



Raised Roof - Crew Cab

Emergency Vehicle Specification

46,000 GVWR Minimum

Manufacturer Model		Indicate Compliance	
		Yes	No
Mandatory Requirements			
Engine	Diesel, Emergency Vehicle Spec, 350 hp minimum, 1,000 ft/lbs torque minimum		
	Engine Compression Brake (Jake Brake)		
	Fast Idle Switch		
	Engine Idle Shut Down Timer		
Exhaust	Horizontal		
Coolant Hoses	Gates Blue Stripe or equivalent		
Alternator	300 amp minimum with Remote Sense		
Batteries	(3) 12V, Group 31, 950 CCA minimum		

	Battery Master Switch – Must be installed in the cab, must be accessible from the driver’s seat and when standing outside the driver’s door from the ground.		
GVWR	46,000 lbs. minimum		
GCWR	50,000 lbs. minimum		
Compressor	Engine Driven		
Block Heater	115 V		
Transmission	Allison Automatic or equivalent, Emergency Vehicle Service Spec.		
Cab	High-Roof aluminum conventional crew cab, pre-wired for roof mounted light bars. Rear window delete.		
Front Tires & Wheels	11R22.5, Hub piloted, ten holes		
	22.5 x 8.25 Polished Aluminum, Disc		
	Highway Tread		
Rear Tires & Wheels	11R22.5, Hub piloted, ten holes		
	22.5 x 8.25 Polished Aluminum, Disc		
	Traction Tread		
Brakes	Full air brakes, ABS, include dust shields and air dryer.		
Front Axle & Suspension	Brake Linings – Fire & Emergency Severe Service Non-Asbestos		
	Axle – 16,000 lbs. minimum		
	Suspension – 16,000 lbs., Taper Leaf		
Rear Axle & Suspension	Dual Wheels – Single Axle – 30,000 lbs.		
	Traction Control – Driver Controlled		
	Brake Linings – Fire & Emergency Severe Service Non-Asbestos		
	Suspension – Air, 30,000 lbs. minimum		
	Air Ride Suspension, dual height control valves with drain (must be factory installed, after-market installation is not acceptable)		
	Shock Absorbers		
	Axle Ratio – Allowance for highest possible highway speed, 75 mph minimum		
Wheelbase	289 inches minimum		
BBC	154 inches bumper to back of cab minimum		
Cab to Axle	176 inches minimum		
Frame	120,000 PSI minimum to suite GVWR		
Tow Hooks	Front frame, removable		
Truck Body Length	24’ + step bumper		
Fuel Tank	100 gallons minimum		
Air Horn	Dual (one on each side over cab)		
Sun Visor	OEM exterior visor over front windshield		

Mirrors	Electric Remote with Heat, 102" trailer/body width for mirrors		
Convex Mirrors	Left/Right hand side		
Windshield	Tinted & heated (electric heat elements at base to reduce snow and ice accumulation)		
Front Bumper	Ali Arc polished or equivalent. Front tow hooks must remain accessible.		
Headlights, Clearance Lights	Must be LED		
Cab Interior	Dark charcoal/grey vinyl & cloth (no light colors)		
Door Windows	Power electric		
	Front tinted		
	Rear doors Limousine type dark tinted		
Door Locks	Power electric		
Right Front Cab Door	Lower RH door window for increased visibility with down view mirror.		
Insulation	Premium cab insulation package		
Seats	Four matching seats – must be cloth high back air suspension with arm rests, heat, lumbar and adjustable shock.		
Lamps	Interior dome/reading lights, must include red lighting		
Instrument Panels & Controls	Speedometer, tachometer, electric coolant, oil pressure, transmission temperature, air pressure & fuel gauges		
	Electronic cruise control		
	Tilt & telescoping steering wheel		
	Back-up alarm		
	AM/FM radio with Bluetooth, USB and aux inputs		
	Electric windshield wipers, intermittent, wired through ignition		
	Marker light switch integral with headlight switch		
	Alternating flashing headlamp system with body builder controlled engagement		
	Air park brake with warning indicator		
	Heavy duty mechanical turn signal flasher		
	Four dash mounted (up fitter) on/off rocker switches with indicator lights and wire routed to chassis at back of cab		
	Air conditioning/heating, manual control		
	GPS	Upfitter must install a 9" minimum Navigation System with touch screen, must be capable of	

	identifying truck routes, Xgody X4FCA or equivalent.		
Paint	Cab & box color: Manufacturer's Charcoal Grey, match box to chassis cab OEM quality finish.		
	Chassis: Black, high solids polyurethane		
	Undercoat		
Compliance	Canada CMVSS Certification		
Provide and Install Box	As detailed in Appendix 2		

Appendix 2 to Annex “B” - Mandatory Requirements

RCMP BOX SPECIFICATION 19 December, 2019

“B” & “J” Division Explosives Disposal Units

Overall exterior truck length	492” (41 feet) maximum including grill guard & rear step bumper	
Exterior Box Dimensions	Length:	288” (24 feet) excluding 18” rear step bumper
	Width:	102”
	Height:	160” maximum (from ground to top of A/C units)
Interior Box Dimensions	Length:	284” approximately
	Width:	98” approximately
	Height:	90” approximately

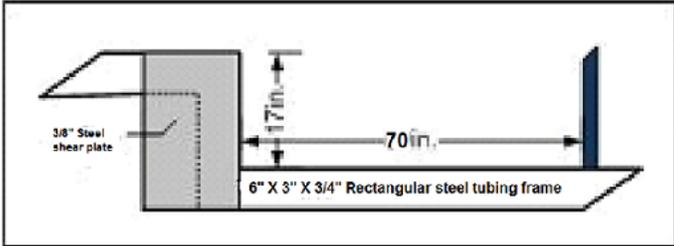
BODY CONSTRUCTION:

	Indicate Compliance		Supporting documentation or statement of compliance (please indicate the reference page number of your Technical Bid where the information can be found)
	Yes	No	
1. All aluminum, all welded modular body, complete with the Following features:	—	—	
2. One piece 1/8” thickness 5052 body panels welded into 2” x 3” x 1/4” 6061-T6 channel with extruded corners. One horizontal seam will be permitted if required due to the overhaul exterior size of the box.	—	—	
3. Roof perimeter must have built-in roof drip rail.	—	—	

4. Roof corners must have welded-in radius castings.	___	___	
5. Roof support must be 2" x 2" x 3/16" 6061-T6 structural square tubing on 16" centers.	___	___	
6. Exterior roof panel must be 3/16" NFPA diamond grip checker plate with a non-slip/non-reflective finish only, including grip strut tape with 1" crown to shed water. One piece with no seams and no rivets.	___	___	
7. Body walls must be reinforced by 2" x 2" x 3/16" square tubing channel uprights of 6061-T6 alloy on a maximum spacing of 16" centers. Where attachments of interior installed equipment is to be made, or in an area of high stress, additional reinforcements of 2" x 3" x 1/4" must be installed. Interior walls to be lined with .063 and 1/8" aluminum sheeting in a light grey powder coat.	___	___	
8. To prevent body panel distortion, roof and wall supports must be bonded to exterior panels using Sikaflex or 3M VHB tape or equivalent applied to the full contact area.	___	___	
9. Floor structure to incorporate a network of 2" x 4" x 1/4" extruded structural channels on 16" centers along with perimeter angles and mounting rails as required.	___	___	
10. Body floor in the command area compartment to consist of 3/8" aluminum sub pan plug welded and sealed to prevent moisture entry, must be covered with Altro anti-slip 2.5mm PVC flooring in a dark color or equivalent. The floor in the robot compartment must be 1/4" NFPA diamond plate. Walls in the robot bay must have a 16" high checker scuff plate.	___	___	
11. All truck box components including under structure and framing must be aluminum and sprayed with Corashield or equivalent for maximum corrosion protection.	___	___	
12. Body to be installed on the chassis using rubber isolation mounts based on design for maximum protection of the chassis and box.	___	___	

<p>13. Prior to fitting the interior, the entire body must be properly sealed then walls, doors, and ceiling must be insulated with 2” minimum closed cell polyurethane spray foam insulation and 3” under the floor. The underside must be undercoated with a high sound absorbing material, except where high temperatures exist.</p>	<p>— —</p>	<p>— —</p>	
<p>14. A Nose Cone or equivalent must be installed on the upper front of the truck body to improve aerodynamics. Must be painted to match the body.</p>  <p>Rock protection guards made from 3003-H22 high polish aluminum tread plate must be installed on the exterior front wall from the bottom of the skirt to the bottom of the Nose Cone.</p>			

ROBOT STORAGE AREA:

<p>15. The rearward 70” of interior floor space must be 17” (final dimension to be discuss at the pre-production meeting) below the rest of the compartment. The truck frame rails will be terminated to allow this drop. 6” x 3” x ¼” rectangular steel tubing minimum will be used to form the drop and continue the frame rails at the new height. A 3/8” steel shear plate must be welded to the exterior of the frame for the added strength.</p>  <p>Drop down frame must provide enough strenght for supporting two robots and equipment, the body structure, the rear bumper, tow loops and a class 5 receiver. A FEA</p>			
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<p>(Fine Element Analysis) is required to be performed to proof the design. The FEA must be supplied to the RCMP no later than 2 weeks after the pre-production meeting.</p>			
<p>16. This frame structure must be sandblasted and painted with epoxy primer and minimum two coats of urethane (black) prior to body installation.</p>			

BACK-UP ALARM:

<p>17. A back-up alarm must be installed on the vehicle if not already provided with the chassis. Alarm must incorporate a shutoff switch.</p>			
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BACK-UP CAMERA:

<p>18. A wired commercial grade safety back-up camera system with 2 rear and 2 side cameras to be installed. A 7" LED digital color display with removable sunshade mounted on the dash capable of having double, triple and quad viewing options. Cameras to be color with audio, waterproof and with infra-red night vision, to be mounted as per manufacturers instructions for placement. Monitor to be mounted in an area which will not obstruct the drivers view.</p>			
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MUD GUARDS:

<p>19. (2) Pairs of reinforced rubber mudguards must be placed on both the front and rear of the rear wheels from the floor to the bottom of the skirt with anti-sail brackets.</p>			
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EXTERIOR STORAGE COMPARTEMENTS:

<p>Outside accessed storage compartments shall be installed along both sides of the truck beneath the interior floor level as specified.</p>			
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<p>20. Each compartment will be equipped with 12 volt LED strip lighting mounted at the outward edge along both sides and across the top, activated by an auto-micro switch in each cabinet. The switch will be mounted at the lower edge of the door. The switch which is activated by the opening and closing of the door and must also be connected to a warning light placed on the dash in the driver's view to warn that a door is ajar. Warning light will be blue LED. Compartment interiors must be finished with Zolatone or equivalent in a grey color.</p>			
<p>21. A master cut off switch to all storage compartment lights must be placed in the cab, on/off switch accessible to the driver.</p>			
<p>22. All compartment doors must be keyed alike using Eberhard 90320 stainless steel "D" ring latches with a weatherproof cover and equipped with mounting studs (no visible or accessible exterior mounting hardware on handles). Each door shall be fitted with two double stage 206 approved rotary latches controlled through metal rods. All locks must be keyed alike.</p> <div data-bbox="430 1050 787 1396" data-label="Image"> <p>The image shows a stainless steel 'D' ring latch. It consists of a circular ring with a central handle and a weatherproof cover. Below the ring is a keyhole. The entire assembly is mounted on a rectangular plate.</p> </div>			
<p>23. Doors shall open upwards on a piano hinge. All doors must be equipped with non-ferrous hold open devices that must keep the door open in as high a position as possible. Door construction will be noted later in this specification.</p>			

<p>24. All exterior below floor compartments must utilize the maximum height and depth available (approx. 25”H x 29”D) as determined by the box configuration. Compartments EL2, EL3, ER2 & ER3 will incorporate a Slide out tray with a minimum load capacity of 500 lbs. The trays will have a 2” lip on all sides to hold contents in place, trays will have a ½” drain hole & a removable ribbed rubber mat. Trays must be capable of being secured in both the open and closed positions with cushioned stops.</p>					
<p>25. Doors must be mounted from the top with a stainless steel piano hinge and a non-ferrous hold open device allowing the maximum opening height against the body.</p>					
<p>Exterior configuration: See Diagrams</p>					
Location	Purpose	Dimensions			
EL1	Cord Reel & Generator	72” L X 36”H X 29”D			
EL2	Body Power Distribution Components	31”W X 25”H X 29”D			
EL3	Fuel/DEF Storage (Jerry Cans)	21”W X 25”H X 29”D			
ER1	ROV forward Coax Cable Hatch	24”W X 12”H X 6”D			
ER2	Batteries	24”W X 25”H X 29”D			
ER3	Pull Out Work Surface (table) over Pull out Storage Drawer	72” X 25”H X 29”D			
DR1	Curbside Front Man Door	32”W X 90”H			
DR2	Curbside Rear Man/Robot Door	44”W X 90”H			

<p>26. All doors to be constructed using a one piece 1/8" 5052 aluminum skin on the exterior, the interior is to be lined with 1/8" aluminum checker plate. Frames & door edges will be constructed of extruded aluminum equipped with automotive type rubber bulb seals. Door frames must be welded into the door openings. Overall thickness to be 2".</p>			
<p>27. Doors to be insulated between inner and outer skin with low density polyurethane spray foam.</p>			
<p>28. Doors to be fitted with 2 1/2" open stainless steel piano hinges with a 1/4" stainless pin. Hinges must be bolted to the door and the jamb using 1/4" stainless steel bolts on 4" centers.</p>			
<p>29. Entry doors must be fitted with two double stage 206 approved rotary latches top & bottom controlled through metal rods by inside and outside handles. Doors to be equipped with Eberhard 31100 series handles with inside release and lock function meeting FMVSS standards. Both the side front and rear man doors must be keyed alike.</p> <div data-bbox="451 1058 805 1304" data-label="Image"> </div>			
<p>30. Stainless Steel Tell Double Cylinder Commercial Grade 2 Deadbolt CLC10056 or equivalent must be installed on both entrance doors for added security. Locks must be keyed alike.</p> <div data-bbox="521 1633 766 1808" data-label="Image"> </div>			

31. Entrance door ajar switch to be wired to cab warning light.			
32. Grab handle with rubber insert must be installed at both entry doors, one 36”L on exterior door frame and one 36”L on interior surface of both entry doors placed on an angle.			
33. Entry doors must be equipped with a non-ferrous device to hold them open.			
34. Extruded aluminum drip rail must be placed above man door openings.			
35. Man doors DR1 and DR2 must be equipped with peep holes.			
36. The side entry doors must each have a heavy duty RV style step which can be folded under the body when not in use. Step must be proportional to door width and covered with non-slip NFPA checker plate aluminum.			
37. Inside steps, entrance DR1 must incorporate a step well with two entry steps to the main floor level. DR2 must also incorporate a step well with one step to the robot floor.			

EXTERIOR COMPARTMENT CONFIGURATION DETAILS

<p>38. EL1 A Hanney ECR1618-17-18E or equivalent Electric Rewind Cord reel must be supplied and installed in the forward position of the compartement. A 150` 50 amp shore power cord must be supplied and installed on the reel. A 50 amp to 30 amp adapter and a 30 amp to 15 amp adapter must also be provided.</p> 			
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An access port must be placed under the cord reel for routing the power cord through. Port must be capable of being sealed when not in use.



A Cummins Onan QD12000 Quiet Diesel Generator (12.0 HDKCD-5241) or equivalent must be installed per the manufacturers installation guide for air intake and exhaust next to the cord reel. A generator remote control panel with hour meter must be installed in the Command Station Control Consol inside the body. Compartment walls must be lined with non-flamable sound absorbing insulation.



At time of pre-production meeting, the builder is to ensure that the height of the generator will not compromise the floor height in the interior compartment above the generator bay, allowance to floor to be made if necessary.

39. **EL2** There must be two 8D Absorbent Glass Mat (AGM), deep cycle batteries installed in parallel on a roll out tray. Back of the compartment must be vented. The vehicle batteries must remain independent of the electrical system operating in the body (install battery isolator) and remain dedicated to the starting of the vehicle only. Emergency Start Switch, install a solenoid between both battery systems, (chassis and body) controlled by a momentary switch mounted on the dash to connect all batteries together in case of drained chassis batteries in order to start the engine.

Compartment must also house a 3000W true sine wave inverter/charger with auto transfer switch to charge the

<p>auxiliary batteries and the chassis batteries from either shore power, generator or alternator power source. Main feed cable, (not generator start) must be protected by a marine type fuse as per the inverter/charger manufacturer`s direction. The Inverter and Charge supplied as part of the generator system must be able to charge the vehicle batteries from either AC Shore Power, Generator Power, or from the Chassis Alternator power sources. The system must also be capable of providing AC power to equipment from the DC power source while the vehicle is in transit.</p>			
<p>40. EL3 A roll out tray which must include three adjustable dividers from front to back. This compartment must also be vented from the back as it will be used to store fuel.</p>			
<p>41. ER1 Coax Cable Access Hatch. Compartment must be 24"W X 12"H X 6"D with a flip down door. There must be 2 Hammond #PJ1084T Polyester PJ Series Junction Box with Twist Latches or equivalent mounted on the rear wall of the hatch. The hatch must be positioned 6`` above interior floor, it must line up with the rear of cabinet RL1d when the cover is removed. There must be two ROV Antenna coax cables leads that have been routed from the Command Station Desktop to the junction box, exiting the bottom through waterproof grommets. Approximately 3` of coax cable must be available for connecting to the antenna leads (coax cable will be supplied by the RCMP for instalation). When not in use the cable will be coiled up and placed in the hatch.</p> <p>Forward ROV (Robot) Antenna Mount: There must be ICOR Antenna Mounts installed over the ER1 compartment. The mounts will be provided by the RCMP for installation.</p> 			

42. ER2 Storage compartment with slide as per #24.			
43. ER3 Compartment must incorporate a sliding work surface of 68"W X 24"D X 2" at the top. Surface must be of a durable material for outdoor use. A slide out tray must be installed at the bottom of the compartment as per previous noted in #24.			
44. DR2 Robot ramp located behind rear entry door. A pull out aluminum ramp must be placed under the robot floor surface. Access to the ramp will be through the internal step riser on the curbside man door DR2. Ramp must pull out on a slide system and lock when fully extended or stored. Ramp must be engineered to be operated by a single person. Surface must be non-slip, minimum 38"W x 84"L with a 3" lip on each edge. Must support a weight of 1500lb.			

EXTERIOR REAR OF VEHICLE

<p>45. ERD1 There must be a 48" Wide x 10" Deep x 86" High "Enclosed Storage Locker" to house a folding roof access ladder assembly and two antenna mounts.</p> <ul style="list-style-type: none"> -The aluminum compartment must be integrated into the body construction. -Compartment must be sealed from the environment and finished to the same standards as all other exterior storage compartments. -The Compartment must be equipped with Double <i>Barn Style</i> pan doors. -Access Doors must be hung and mounted using full length heavy duty stainless steel piano hinge with a 1/4" pin. -Doors must be equipped with individual D-Ring, slam shut latch assemblies. Each door must be equipped with two (2) double stage, 206 approved latches (top & bottom) controlled by metal rods. -Primary latch (right side) must be keyed. -All latch & lock assemblies must be stainless steel. -Doors must be equipped with non-ferrous hold open devices to secure them when fully opened. <p>The exterior top of the compartment must be flat, and equipped with a NFPA non-slip aluminum tread and hand rails that extend 12" above the roofline over the installed folding ladder.</p>			
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<p>46. There must be an 18" Wide ALCO-LITE Sure-Step II Ladder (or equivalent) centered inside the rear locker to provide access to the roof of the vehicle.</p>  <ul style="list-style-type: none"> -The ladder assembly must consist of a two-step fold-down lower section with a 5 step upper section. -The ladders shall be a cam-action, pivoting design allowing the ladder to store parallel to the body, with a Cam-Action pivoting design allowing the ladder to fold out into place at a 10° working position. -The ladder must be equipped with Cast Aluminum, Non-Slip Treads -The ladder shall also be equipped with Stainless Steel Stanchions. <p>The ladder shall be constructed of aluminum with Stainless Steel Hardware.</p>			
<p>47. ROV (Robot) Antenna Mounts There must be two Whellen 3100 Series Thru Body Poles or equivalent installed on each side of the rear ladder. Poles must be push-up type with a 57" body and locking bottom collar. Note: Poles used for antenna mounts, only wiring required will be warning lights in dash when one or both poles are not lowered for travel.</p> <p>48. A weatherproof rear coax cable access such as Hammond PJ Series #PJ16148T Junction Box must be provided inside the rear locker, mounted on the rear wall of the body. There must be two ROV Antenna coax cable leads that have been routed from the Command Station Desk top routed through to the junction box and exiting through the bottom with waterproof grommets. Approximately 2 feet of coax cable shall be available for connecting to the antenna leads (coax cable will be <u>supplied by the RCMP</u>).</p>			

<p>49. A rear step type rear aluminum bumper must be fabricated meeting Canadian Motor Vehicle Safety Standards (CVMSS) standards for truck bumpers. The surface must be non-slip NFPA checker plate aluminum. The center section must have a fold down section acting as the first step to the roof access ladder.</p>			
<p>50. There must be a 2" class 5 hitch receiver installed on the rear of the vehicle rated for a minimum of 10,000lb. A 7pin connector must be installed at the hitch area.</p>			
<p>51. Two heavy duty tow eyes must be bolted at the rear frame rails in case that vehicle would get stuck and required towing.</p>			

ROOF TOP CONFIGURATION

<p>52. "Antenna Farm" must be stretch. 90" from curbside to street side X 4"W X 4"H. The box must be fabricated of aluminum with a painted steel (better grounding) cover. A weather tight cable access point and routing to the electrical cabinet ER1 must be provided.</p>			
<p>53. An electric powered (12V) box awning mounted on the right side rooftop edge or on the side wall must be installed. The awning must start at the leading edge of door DR1 to the rear edge of door DR2 and must not interfere with the opening of DR2 against the body. Fabric must be dark in color. Two LED work lights must be installed in the side wall under the awning. The Awning Control Module must be installed just inside Door DR1 mounted on the rear facing step-well wall, being accessible to an operator while standing on the ground.</p>			
<p>54. A full length cable with a minimum of two anchor points for fall arrest must be installed on the roof area. This must meet CLC (Canada Labour Code) stress standards of 5000 lbs minimum, SOR/86-304.</p> 			

<p>55. A Will-Burt Night Scan Powerlite 3.0 tower with a Sirion LED light fixture producing 110,000 Raw Lumens or equivalent must be mounted on the center of the truck body roof. The unit must be equipped with a power line detector and a Zone Defense camera tied in to a monitor at the Command Station desk. An AC power line is required for shore line or generator operation. An airline from the chassis must also be routed to the roof to operate the unit. Box roof to be reinforced at mounting locations as per light tower manufacturer instructions. A deflection panel must be placed ahead of the tower on the roof to protect it when in the lowered travel position.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>			
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INTERIOR CONFIGURATION

<p>56. Cable raceway: There must be a continuous raceway (minimum 4”) that runs the interior perimeter of the body at ceiling height. It must be fully accessible through removable access points, a drop down must be placed at the command desk. A second raceway must run at floor level from cabinet IR1.d (communications locker) to cabinets IL1 and on through to the master control panel and command desk.</p>			
<p>57. Lighting:</p> <p>Step wells at DR1 & DR2 must have LED lighting installed to ensure crew safety. Step well lighting must be controlled by a 3-way switch, one inside each entry door wall and one at the command desk.</p>			

There must be a minimum of fifteen Whelen 8” Round LED 80CREHRC or equivalent surface mount lamps installed on the ceiling. Lamps must have Hi-Low white light intensity and be equipped with red lighting function.

- one over DR1 stepwell
- one over DR2 stepwell
- eleven over central walkway (placement to be discussed)
- two over the robot bay

Interior Light, 8" Round



Center walkway floor must be illuminated with a minimum of six Rigid Industries A-Series LED Deck Lights or equivalent installed in the cabinet bases (placement to be discussed at pre-production meeting).



58. Interior Cabinets StreetSide

Location	Purpose	Dimension			
IL1.a	Overhead Cabinet	24”W X 18”H X 18”D			
IL1.b	Microwave Shelf	TBD			
IL1.c	Refrigerator / Cabinet	24”W X 31”H X 23”D			
IL2.a	Overhead Cabinet	36”W X 18”H X 18”D			
IL2.b	Command Center Control Panel	32”W X 18”H X TBD			

IL2.c	2" Maple Work Surface	36"W X 28"D			
IL2.d	Large Drawer	36"W X 18"H X 28"D			
IL3	Overhead Cabinet	34"W X 18"H X 18"D			
IL4	Overhead Cabinet	36"W X 18"H X 18"D			
IL-CS.a	24" Monitor				
IL-CS.b	Command Station 2" Maple Counter	36" W X 28"D			
IL5.a	Overhead Cabinet	55"W X 18"H x 18"D			
IL5.b	Magnetic White Board	48"W X 16"H			
IL5.c	2" Maple Work Surface	72"W X 28"D			
IL5.d	Tool Box	55"W X 28"D			
IL6	Air Reel Storage Tower	24"W X 80"H X 28"D			
IL7	Bomb Suit Storage	70"W X 48"H X 28"D			
Interior Cabinets Curbside					
IR1.a	Antenna Farm Cable Access	34"X 18"H X 28"D			
IR1.b	Charger Shelves	34"W X 32"H X 28"D			
IR1.c	2" Maple Counter	34"W X 28"D			
IR1.d	Communications Locker	34"W X 22"H X 28"D			
IR2	Large Storage Locker	40"W X 80"H X 28"D			
IR3	Large Storage Locker	40"W X 80"H X 28"D			
IR4.a	Secure Storage Cabinet (locking)	40"W X 26"H X 28"D			
IR4.b	Explosive Magazine (supplied by RCMP)	40"W X 34"H X 28"D			
IR4.c	Secure Storage Drawer (locking)	40"W X 14"H X 28"D			
IR5	EDU Suit Storage Closet	24"W X 80"H X 28"D			

59. Overhead Compartments IR1.a, IL2.a, IL3, IL4, IL5.a and IR1.a must be constructed with single pan lift up doors on struts to keep them open. Hinges must be stainless steel piano type. All latches must be stainless steel slam type, double latches must be used on doors over 24”.				
60. Compartments IL6, IL7, IR2, IR3, IR4 and IR5 must have roll up Amdor HD Flex Pull Straps or equivalents.				
61. Compartment IR1.d must be a swing open door hinged towards the front of the body.				
62. Down lighting must be installed under overhead compartments above Command Station work surface, tool box and charging station with Whelen 8” Round LED 80CREHCR or equivalent. Switch to be located on control panel.				
63. All interior compartments with roll up doors must be equipped with LED strip lights on the interior door frames controlled by a magnetic switch for each door.				
64. Front Wall , A large screen, 50” monitor must be installed on the centre of the front body wall. Provisions must be in place for input/output access ports to remain accessible. Monitor must have two HDMI cables routed to a central point on the Command Desk. Monitor must have a wireless remote. One AC duplex must be installed on the front wall to power monitor.				
65. Cabinet Details StreetSide				
IL1.a	Breaker panels for AC and DC must be installed in this area. Panels must be sized accordingly for the vehicle requirements and leave a minimum of two extra circuits for future use.			
IL1.b	24” butcher block shelf with up fitter-supplied microwave oven. One AC plug must be installed for the microwave and remain accessible to plug other appliances.			
IL1.c	One Norcold model DE0041 12/120V self-venting refrigerator or equivalent must be installed. Filler panels to be installed as required for a flush mount appearance. One AC plug and a 12V power source must be installed.			
IL2.a	Overhead storage.			

IL2.b	<p>Command Centre Control Panel Must be fabricated from the bottom of the overhead cabinet to the top of the work surface using a single pan door to access the rear. The panel must contain all controls for the generator, inverter, diesel heater thermostats, A/C thermostats and light switches.</p> <p>Interior Functions Including: -Master switch to control the white overhead LED lighting -Single switch to control the red overhead LED lighting -Forward and aft stepwell lighting -A switch for the LED floor level deck lighting</p> <p>Exterior Functions Including: -Street side scene lights -Curb side scene lights -Curb side work lights under awning -Rear scene lights</p> <p>Control Panel Warning Lights (also in cab panel for driver): -DR1 door ajar -DR2 door ajar -Side and rear compartment door ajar -Front antenna pole up -Rear antenna pole up</p>			
IL2.c	Two AC duplexes and one USB receptacle must be installed above work surface at this location.			
IL2.d	Large storage drawer mounted on slides, 250lb minimum. Rubber mat must line bottom of drawer.			
IL3 & IL4	Overhead storage			
IL-CSb	<p>Command station 2" Varnished Maple Butcher Block work surface. Surface must be hinged from tool box to IL2.c area. Hinge must be continuous stainless steel piano permitting work surface to be folded up against the wall. Hardware and latches must be included to secure the desktop in either position. Two rows of E-Track must line the wall surface under the work surface.</p> <p>Two AC duplexes must be located on the wall above the work surface. A dedicated duplex must be installed behind the monitor location IL-CSa. A General Digital 24" Saber Monitor or equivalent must be supplied and</p>			

	<p>installed by the contactor RCMP will supply a remote radio control head and speaker for mounting under the overhead cabinets.</p>			
IL5.a	Overhead storage			
IL5.b	A 54"W X 26"H magnetic white board must be installed on the wall above the tool box.			
IL5.c	A 2" varnished Maple Butcher Block work surface must be installed above the tool box. Two AC duplexes must be installed on the wall above the tool box.			
IL5.d	<p>A tool box must be supplied and installed in this location. The tool box must meet the following parameters:</p> <ul style="list-style-type: none"> -Commercially available heavy duty product -Minimum of 50" to a maximum 55" wide -Minimum of 32" to a maximum of 34" high -Be equipped with two banks of drawers of varying depth from 3" to 8" -Be equipped with ten drawers minimum -Drawers must be equipped with latches capable of remaining closed under extreme driving conditions -Drawers must be lined with heavy duty rubber <div style="text-align: center;">  <p>Identified Option: Snap-On Canada KRL722BPKS or equivalent</p> </div>			
IL6	<p>Air Reel / Storage Tower The cabinet must have a fixed shelf mounted 78" above the floor with a chassis air supply routed to the shelf. A Hanney EC1516-17-18 Electric Air Hose Reel or equivalent must be suspended from the bottom of the shelf. The reel must be equipped with a 100' of 3/8" air hose rated at 150 PSI minimum and -50 C. The reel must have a stainless steel roller fairlead and a round cable stop must be provided on the hose.</p>			

	 <p>Four 200 lbs. capacity adjustable shelves on unistrut must be placed under reel.</p>			
IL7	<p>Robot Bay Raised Cabinet. Cabinet to be mounted 40” off the floor. The cabinet must be equipped with an Amdor or equivalent roll up door. There must be two slide out shelves with a 300 lbs. capacity. The shelves must be 3/8” aluminum with 6” lips all around. The shelves must be a minimum of 60”W x 24”D. There must be two AC receptacles installed under cabinet IL7 for the robot charging stations. Two rows of E Track must be installed under the cabinet and also on the rear wall.</p>			
Front Wall	<p>A large screen, 50” monitor must be installed on the centre of the front body wall. An electrical receptacle must be placed behind TV/monitor.</p>			
66. Cabinet Details Curbside				
IR1.a	<p>Overhead coax cable cabinet, this location will provide access to the roof top antenna farm and the perimeter raceways.</p>			
IR1.b	<p>Portable radio charger shelf must be approximately 14” above the Maple counter surface. Shelf must have a 1” front lip and be lined with a rubber mat. Two electrical receptacles must be placed on the wall directly behind the shelf.</p>			
IR1.c	<p>This area will be used for radio0 chargers as well. A 1” lip must be placed at the leading edge. Surfaced to be lined with a rubber mat. Two receptacles must be placed on the rear wall.</p>			
IR1.d	<p>Electronic cabinet, door must be vented. Cabinet must be equipped with a heavy duty roll out tray capable of locking in the closed and open positions. Tray must have a 1” lip. Chassis battery power, ignition power and a ground stud must be available to power RCMP provided relays. RCMP also to provide a TMR Radio harness for installation at time of assembly. The radio system will have two radio heads, one to be installed in the driver’s</p>			

	compartment and one at the command desk. The RCMP will also supply speakers for the radio heads as well as all coax cables and antennas, mounting locations to be discussed at pre-production meeting.			
IR2 IR3	Two large 40" storage lockers with three fully adjustable heavy duty aluminum shelves mounted on Unistrut or equivalent tracks capable of supporting 500lbs each. Shelves must have a 1" lip at the front edge and be lined with rubber mats. Both storage lockers must have a locking roll up doors. A 2.5lb fire extinguisher, first aid kit and a rechargeable flashlight must be mounted on the side wall of IR2 accessible from DR1. All internal roll up doors to be keyed alike.			
IR4	Full length cabinet with a locking roll up door.			
IR4.a	Secured locking gun storage cabinet must have a double pan door with internal left and right latches controlled by a D ring type handle. Door must have gas struts to hold it open. IR4.a and IR4.c must be keyed alike.			
IR4.b	An RCMP supplied ProtexPro Inc. Explosives Mini-Magazine must be mounted on a reinforced fixed shelf capable of supporting 1000lbs. Explosive magazine specification: -28"W X 26"H X 24"D -Empty weight 665lbs. -Must be installed as per manufacturer's instructions. -Must not be modified in any way.			
IR4.c	Secured locking gun storage drawer with a double pan front with internal left and right latches controlled with a D ring type handle. IR4.a and IR4.c must be keyed alike.			
IR5	One full length EDU suit cabinet with roll up door. Cabinet must have a upper pull out shelf with a suspended hanger capable of supporting 200lbs. for two EDU suits. There must be a slide out tray at the bottom of the cabinet to store a Warn winch when not in use. There must be a fixed shelf separating the winch storage and suit closet. A 2.5lbs fire extinguisher, a first aid kit and a rechargeable flashlight must be mounted on the exterior side wall of the cabinet to be accessible from DR2.			

ELECTRICAL SYSTEM

67. 12V must be designed in accordance with SEA (Society of Automotive Engineers) standards.			
68. Main body wiring harness is to be fully accessible through removable raceways, removable shelves and access panels.			
69. Wiring harness must be protected by automatic reset circuit breakers. Wiring is color coded, numbered and flame retardant and wrapped in split loom tubing to prevent abrasion.			
70. Wiring is to be rated at 125% of anticipated loads, designed to prevent interference to radio and telemetry equipment on board and minimize total electrical loads.			
71. Low voltage added wiring shall be minimum 14 gauge SXL with wire marked every 6" with number and function.			
72. A master power disconnect for all installed body equipment must be installed in the cab, accessible to the driver when seated and from the ground (with driver's door open).			
73. Cad drawn as-built schematics must be provided with each body along with a complete parts list of electrical components.			
74. Onan 12KW Quiet Diesel Generator or equivalent must be installed in the street side lower front compartment see #38.			
75. 3000Watt Power inverter, as per #39.			
76. One hard-wired photoelectric smoke detector ceiling mounted and two CO detectors mounted within 12" from the floor, one one forward and one aft.			

<p>77. The generator/AC shore power will feed a distribution panel with breakers installed for the following:</p> <ul style="list-style-type: none"> -Double 50 amp back fed main breaker. -One GFI circuit for each of the two exterior outlets located on the curb side under the awning in the outside work area, complete with weatherproof covers. -One GFI circuit for each of the two exterior outlets located on the street side near the front and rear of the box, complete with weatherproof covers. -Two circuits to feed the roof mounted heater/AC units, one for each unit. -Four circuits to feed the four wall heaters. -One circuit for the battery inverter/charger. -One 50 amp breaker to feed the transfer switch. <p>Sixteen 120 Volt / 15 Amp Duplex straight blade receptacles, and two Duplex USB Receptacle must be installed in the EDU truck interior. Locations as defined in this specification and/or per the attached drawings.</p> <p>These locations include: One located on the front wall behind the TV/Monitor One behind the Fridge One behind the Micro Wave Two located at the Control Panel wall Two located at the Command Station wall One dedicated receptacle for the 24" Monitor Two located on the wall at tool box Two located on the Robot Bay Wall under cabinet IL7. Two located on the Charge Shelf IR1.b Two located on the Charging Station Work Surface IR1.c Two Duplex USB Receptacle on the Control Panel wall</p>			
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HEATING and COOLING

<p>78. A minimum of two Espar Airtronic 18,800 BTU diesel heaters or equivalent must be installed in the truck body. One must be in the forward area of the body and one at the robot area of the body. Heaters must include wall thermostats.</p>			
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<p>79. Three 2,000Watt Stelpro Pulsair Wall Fan Heaters or equivalents must be installed in the truck body. One on the front wall, one below the work surface and one in the rear robot area. Heaters must have wall thermostats.</p> 			
<p>80. Two RV style roof mounted low profile 15,000BTU air conditioner units must be installed with wall thermostats capable of running on shore or generator power. System must be ducked throughout the ceiling.</p>			

EXTERIOR LIGHTING

<p>81. All exterior lighting as required by CMVSS must be installed, including the following:</p> <ul style="list-style-type: none"> • Rear tail/stop (two per side) and back-up lamps are to be LED, sealed shock mount. • Mid-ship amber LED turn signals must be placed on the left and right sides of the truck body. • Compact LED clearance lamps to be mounted on the roof extrusion. • License plate lamp, complete with license plate bracket, mounted on the rear of the truck as per Highway Traffic Act requirements as it pertains to truck construction. 			
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EMERGENCY LIGHTING & EQUIPMENT

<p>82. A switch console with internal siren control must be installed in the cab in a suitable location so that the driver can access the panel. This unit must incorporate indicator lights, back lighting and heavy-duty switches operating the following installed equipment:</p>			
<p>83. Alternating flashing headlamp system with body builder controlled engagement must be installed.</p>			
<p>84. Vehicle must be equipped with a pair of Whelen Mini Edge Freedom IV Super LED 23 ¼” long light bars or equivalent mounted on the roof of the truck cab. StreetSide must be red LED with clear lenses. Curbside must be blue LED with clear lenses. Takedown/alley light options must be included on the outer edge of the light bar.</p>			
<p>85. Front grille area must have two C6 Whelen Surface Max LED lights with clear lenses and chrome flanges or equivalent. Red on streetside and a blue on curbside.</p>			
<p>86. Each streetside and curbside front corner of the vehicle must have C7 Whelen Surface Max LED lights with clear lenses and chrome flanges or equivalent mounted to the bumper or front fenders. Must be red/blue combination.</p>			
<p>87. Four C9 Whelen Surface Max LED lights red/blue combination with clear lenses and chrome flanges or equivalent must be mounted on the upper front and upper rear corners of the streetside and curbside of the body. Two lights per side.</p>			
<p>88. Two C9 Whelen Surface Max LED lights with clear lenses and chrome flanges or equivalent must be mounted on the rear upper corners of the truck body. Red on StreetSide and a blue on curbside.</p>			
<p>89. Four C7 Whelen Surface Max LED lights with clear lenses and chrome flanges or equivalent must be mounted on the lower front and rear truck body corners. Two on the StreetSide and two on the curbside. Must be red/blue combination</p>			
<p>90. A total of six C9 Whelen Surface Max LED Scene lights with chrome flanges must be mounted next to each emergency warning light on the truck body. Two on the StreetSide, two on the curbside and two at the rear of the body. Switches for the</p>			

scene lights must be located on the interior body control panel.			
91. One Whelen 100 Watt Siren Speaker SA315P or equivalent. mounting location under hood to be determined.			
92. One Whelen CenCom Sapphire Control Panel CCSRN3 must be mounted in switch consol.			

FRONT BUMPER AREA

<p>93. A heavy duty front bumper such as Ali Arc, Hurd Defender or equivalent must be installed. Bumper must be capable of breaching locked gate or fences and providing maximum protection from damage to the front of the vehicle.</p>  <ul style="list-style-type: none"> -Bumper must not interfere with the opening of the hood -Function of front factory tow hooks must remain -Bumper must have 4 mounting tabs for auxiliary lights - Two Rigid Industries D-SS-Series LED Driving Lights or equivalent must be mounted to the bumper - Two Rigid Industries D-SS-Series LED Fog Lights or equivalent must be mounted to the bumper -Driving and fog lights to be operated by separate switches -A class V minimum hitch receiver must be installed at the front of the vehicle for a winch mounting point with a 12V power source 			
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TIRE CHAINS

<p>94. A set of On Spot Automatic Tire Traction Chains or equivalent must be installed. The chain system must be air activated by the chassis air system and controlled by a switch located in the cab.</p> 			
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WINCH

<p>95. A Warn Zeon 10S winch or equivalent must be provided by the contractor. Winch must be rated at 10,000lbs. and include 100 feet of synthetic rope. Winch mount capable of hitch receiver installation must be provided with the winch.</p>  <p>A mounting point in the robot bay with 12V power must be provided for winching disabled robots up the ramp. A second mounting point is the front bumper as describe in item #93. The winch will be stored in compartment IL7 when not in use.</p>			
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PERIMETER CAMERA & VEHICLE ALARM

<p>96. A 360 degree camera system such as Zone Defense 360 Detect or equivalent must be installed to monitor the vehicle surroundings. The monitor (largest possible) must be installed at the control panel work desk area supporting the camera mounted to the light tower, item #55.</p>			
<p>97. A vehicle alarm system must be installed that monitors the front cab and the truck body access doors. System must include a minimum of two long range pagers, valet switch and an LED status light.</p>			

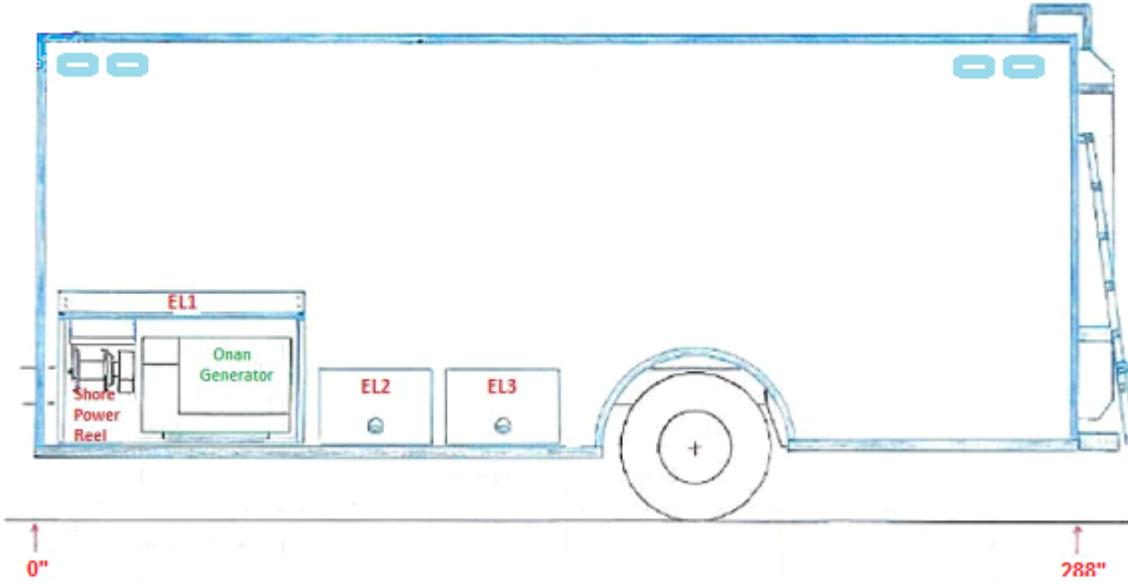
EXTERIOR FINISH

<p>98. Exterior of the body must be painted charcoal grey using the manufacturer’s recommended practices for the best possible finish. Color must match the cab. Diamond plate surfaces are not to be painted. Exterior accessed cabinet interiors to be left natural.</p>			
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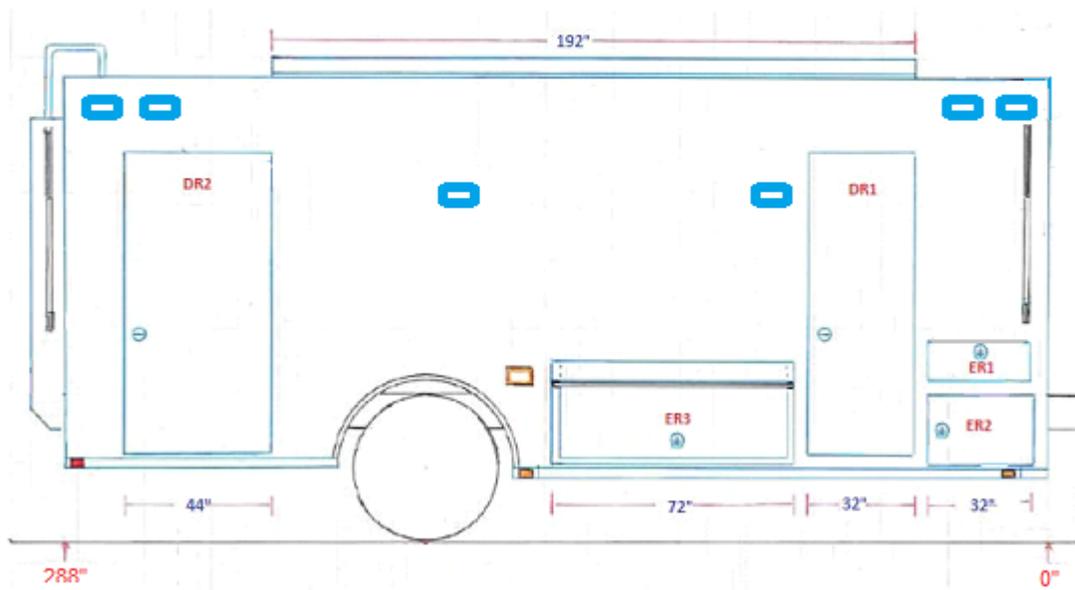
WARRANTIES / MANUALS

<p>99. The successful contractor must provide a minimum:</p> <ul style="list-style-type: none"> -Ten year warranty against manufacturing and material defects on the truck body build including galvanic reaction. -A five year warranty on electrical wiring for AC and DC installed by the fabricator. -A two year warranty on all sub components installed by the contractor. -A two year warranty on paint completed by the contractor. The above warranties will be administered through the successful contract winner from the date of delivery including work completed by sub-contractors if any. -The cab and chassis will be warranted by the truck OEM. <p>A signed letter from the winning contractor on their company letterhead must be provided stating the above warranties prior to delivery.</p> <p>100. On delivery the contractor must supply the RCMP with AC and DC CAD drawn wiring diagrams including a parts list of electrical equipment, CEC and ESA certification and documentation. The contractor must affix his Transport Canada NSM Certification (National Safety Mark) to the vehicle. The contractor must also provide an instruction manual (printed or electronically) on the mechanical/electrical workings of the entire vehicle and all equipment/owner’s manuals of installed equipment. Hands on training must also be provided to the end user on the workings of the vehicle. Training must be a minimum of 3 hours and accommodate 6 persons.</p>			
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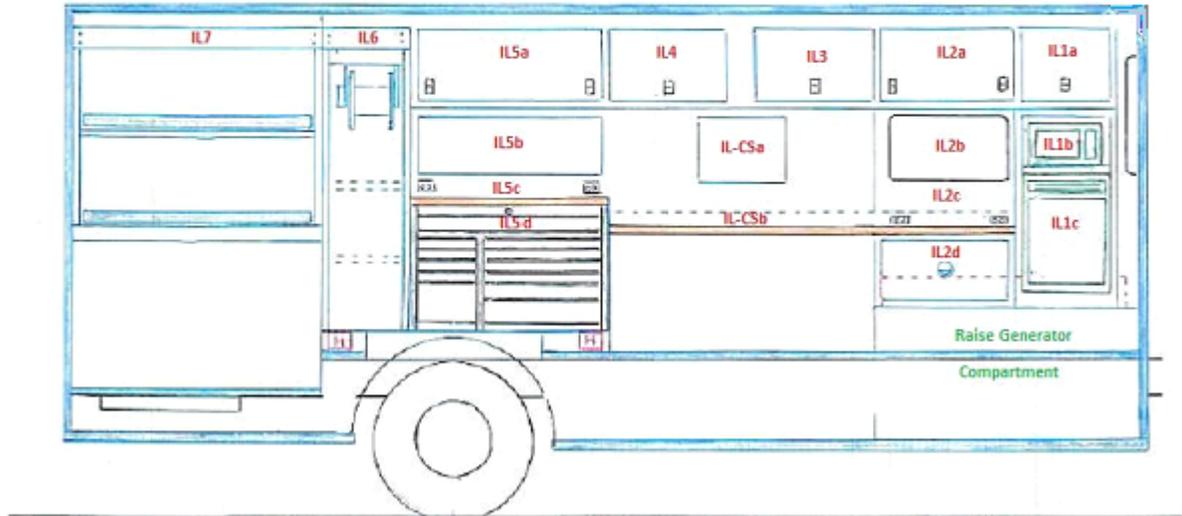
Road Side Exterior
"Rendering Only"



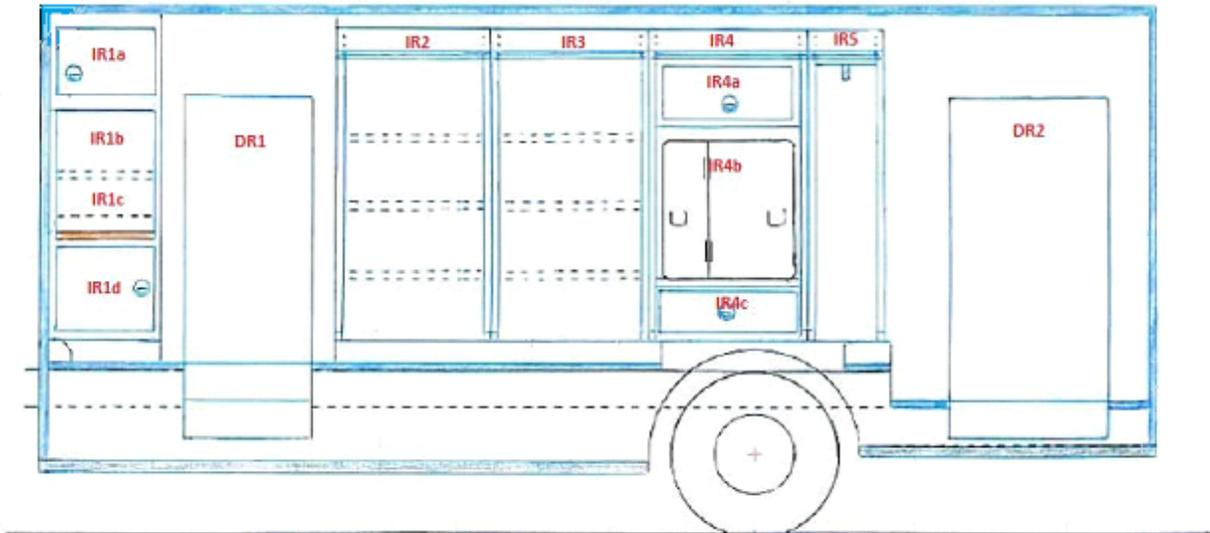
Curb Side Exterior
"Rendering Only"



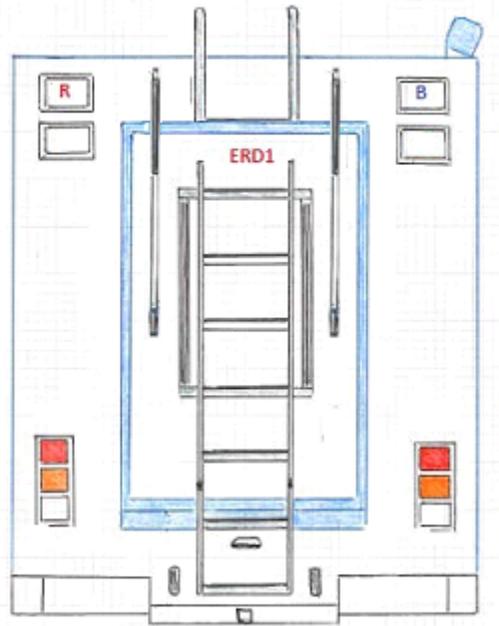
Road Side Interior
"Rendering Only"



Curb Side Interior
"Rendering Only"



Rear View
"Rendering Only"



 Frame Mounted Tow Loops

Floor Plan
"Rendering Only"

