



**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

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Vehicles & Industrial Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet Security Escort Vehicles	
Solicitation No. - N° de l'invitation 21120-176827/A	Date 2017-05-17
Client Reference No. - N° de référence du client 21120-176827	
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-923-72888	
File No. - N° de dossier hp923.21120-176827	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-06-27	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Martin, Erik	Buyer Id - Id de l'acheteur hp923
Telephone No. - N° de téléphone (873) 469-3318 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: See herein	

Instructions: See Herein

Instructions: Voir aux présentes

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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

- 1.1 Requirement
- 1.2 Debriefings
- 1.3 Trade Agreements

PART 2 - BIDDER INSTRUCTIONS

- 2.1 Standard Instructions, Clauses and Conditions
- 2.2 Submission of Bids
- 2.3 Enquiries - Bid Solicitation
- 2.4 Applicable Laws
- 2.5 Improvement of Requirement During Solicitation Period

PART 3 - BID PREPARATION INSTRUCTIONS

- 3.1 Bid Preparation Instructions

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

- 4.1 Evaluation Procedures
- 4.2 Basis of Selection

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

- 5.1 Certifications Required with the Bid
- 5.2 Certifications Precedent to Contract Award and Additional Information

PART 6 - RESULTING CONTRACT CLAUSES

- 6.1 Requirement
- 6.2 Standard Clauses and Conditions
- 6.3 Term of Contract
- 6.4 Authorities
- 6.5 Payment
- 6.6 Invoicing Instructions
- 6.7 Certifications
- 6.8 Applicable Laws
- 6.9 Priority of Documents
- 6.10 SACC Manual Clauses
- 6.11 Inspection and Acceptance
- 6.12 Preparation for Delivery
- 6.13 Shipping Instructions - Firm Quantity
- 6.14. Shipping Instructions - Optional Quantity

- 6.15 Post-Contract Award Meeting/Pre-Production Meeting
- 6.16 Packaging
- 6.17 Warranty
- 6.18 Material
- 6.19 Interchangeability

Attachments

Annex "A" - Pricing
Annex "B" – Specifications – Secure Escort Vehicles
Appendix 1 – Technical Information Questionnaire – Secure Escort Vehicles
Annex "C" to PART 5 – BID SOLICITATION - Federal Contractors Program for Employment
Equity - Certification

PART 1 - GENERAL INFORMATION

1.1 Requirement

1.1.1 Correctional Services Canada requires the Secure Escort Vehicles and related items as detailed herein, in accordance with Annex "A" – Pricing and Annex "B" – Specifications – Secure Escort Vehicle 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.

1.2 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), and the Agreement on Internal Trade (AIT).

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 *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) 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 (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003 (2017-04-27), 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 on page 1 of the bid solicitation.

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

Canada requests that bidders provide their 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)

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

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper and
- (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 (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 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.

Bidders should complete and submit with their bid the following;

- 1- Annex "B" – Specifications – Secure Escort Vehicle;
- 2- Appendix "1" - Technical Information Questionnaire – Véhicule d'escorte sécurisés

3.2 Equivalent Products

- 3.2.1 Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
- designates the brand name, model and/or part number of the substitute product;
 - states that the substitute product is fully interchangeable with the item specified;
 - provides complete specifications and descriptive literature for each substitute product;
 - provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
 - clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria.
- 3.2.2 Products offered as equivalent in form, fit, function and quality will not be considered if:
- the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.

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.

3.3 SACC Manual Clauses

3.3.1 Exchange Rate Fluctuation Risk Mitigation

- 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, 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.
- 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, 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:

3.4 Delivery

3.4.1 Firm quantity

While delivery of the vehicles is requested as soon as possible, the best delivery that can be offered is as follows:

Item 001 – One (1) Secure Escort Vehicle – Atlantic Institution (NB), will be delivered within ____ calendar days from the effective date of the contract.

Item 002 – One (1) Secure Escort Vehicle – Donnacona Institution (QC), will be delivered within ____ calendar days from the effective date of the contract.

Item 003 – Two (2) Secure Escort Vehicles – Regional Reception Centre (QC), will be delivered within ____ calendar days from the effective date of the contract.

Item 004 – One (1) Secure Escort Vehicle – Port-Cartier Institution (QC), will be delivered within ____ calendar days from the effective date of the contract.

- Item 005** – One (1) Secure Escort Vehicle – Beaver Creek Institution (ON), will be delivered within ____ calendar days from the effective date of the contract.
- Item 006** – One (1) Secure Escort Vehicle – Joyceville Institution (ON), will be delivered within ____ calendar days from the effective date of the contract.
- Item 007** – One (1) Secure Escort Vehicle – Grand Cache Institution (AB), will be delivered within ____ calendar days from the effective date of the contract.
- Item 008** – One (1) Secure Escort Vehicle – Edmonton Institution (AB), will be delivered within ____ calendar days from the effective date of the contract.
- Item 009** – One (1) Secure Escort Vehicle – Edmonton Institution for Women (AB), will be delivered within ____ calendar days from the effective date of the contract.
- Item 010** – One (1) Secure Escort Vehicle – Regional Psychiatric Centre (SK), will be delivered within ____ calendar days from the effective date of the contract.
- Item 011** – One (1) Secure Escort Vehicle – Saskatchewan Penitentiary (SK), will be delivered within ____ calendar days from the effective date of the contract.
- Item 012** – One (1) Secure Escort Vehicle – Stony Mountain Institution (MB), will be delivered within ____ calendar days from the effective date of the contract.
- Item 013** – One (1) Secure Escort Vehicle – Pacific Institution (BC), will be delivered within ____ calendar days from the effective date of the contract.
- Item 014** – One (1) Secure Escort Vehicle – Kent Institution (BC), will be delivered within ____ calendar days from the effective date of the contract.

3.4.2 Optional Quantity

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

- Item 015** - Up to fifteen (15) Secure Escort Vehicles and related items will be delivered within ____ calendar days after an option is exercised.

3.4.3. Manufacturer's Standard Warranty Period

Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the vehicle/equipment and its components that exceeds the minimum warranty period of twelve (12) months.

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) Annex "B" – Specifications – Secure Escort Vehicle; and
- 2) Appendix 1 - Technical Information Questionnaire - Secure Escort Vehicle.

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 Mandatory Financial Evaluation Criteria

4.1.2.1 Bidders must provide, with their bid, the financial information requested in the bid solicitation and at Annex A - Pricing for **items 001 to 017 inclusively**.

4.1.2.2 The prices of the bid must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for the firm quantity items **001 to 014** and optional quantity **item 015**, Canadian dollars for familiarization instructions/training (optional quantity) **items 016 and 017**. Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

4.1.2.3 Aggregate Evaluated Price

Bids will be evaluated on an aggregate price basis for the firm quantity, the optional quantity and the familiarization instructions/training (option).

4.1.2.4 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.

4.1.2.5 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).

4.1.2.6 The firm unit price for the English and French familiarization instructions/training (option) will be averaged.

To determine the average price for the familiarization/training (option), calculation will be as follows:

- a) The firm unit price for the English and French familiarization/Instructions/training (option) will be added; and
- b) The sum will be divided by two (2).

4.1.2.7 To determine the aggregate evaluated price for the firm quantity, optional quantity and the familiarization instructions/training (option), calculation will be as follows:

- a) The average price for the optional quantity obtained in 4.1.2.5 (b) above will be multiplied by the total estimated optional quantity identified;
- b) The average price for the familiarization instructions/training (option) obtained in 4.1.2.6 (b) above will be multiplied by the total estimated optional quantity identified; and
- c) The result will be added to the total price for the firm quantity obtained in 4.1.2.4 (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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, 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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

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 website](#)

(http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

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.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the “FCP Limited Eligibility to Bid” list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

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.	
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 Secure Escort Vehicles and related items in accordance with Annex "A" – Pricing and Annex "B" – Specifications – Secure Escort Vehicles.
- 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 *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 (2016-04-04) General Conditions - Goods (Medium Complexity), apply to and form part of the contract

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** – One (1) Secure Escort Vehicle – Atlantic Institution (NB), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 002** – One (1) Secure Escort Vehicle – Donnacona Institution (QC), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 003** – Two (2) Secure Escort Vehicle – Regional Reception Centre (QC), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 004** – One (1) Secure Escort Vehicle – Port-Cartier Institution (QC), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 005** – One (1) Secure Escort Vehicle – Beaver Creek Institution (ON), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 006** – One (1) Secure Escort Vehicle – Joyceville Institution (ON), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 007** – One (1) Secure Escort Vehicle – Grande Cache Institution (AB), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 008** – One (1) Secure Escort Vehicle – Edmonton Institution (AB), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 009** – One (1) Secure Escort Vehicle – Edmonton Institution for Women (AB), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 010** – One (1) Secure Escort Vehicle – Regional Psychiatric Centre (SK), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 011** – One (1) Secure Escort Vehicle – Saskatchewan Penitentiary (SK), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)
- Item 012** – One (1) Secure Escort Vehicle – Stony Mountain Institution (MB), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)

Item 013 – One (1) Secure Escort Vehicle – Pacific Institution (BC), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)

Item 014 – One (1) Secure Escort Vehicle – Kent Institution (BC), must be delivered on or before _____. (Date to be inserted by PWGSC at time of contract award.)

6.3.1.2 Option Quantity

Item 015 - Up to fifteen (15) Secure Escort Vehicles 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: Erik Martin
Title: Supply Specialist
Organization: Public Works and Government Services Canada - Acquisitions Branch
LEFT Directorate, HP Division,
7A2, Place du Portage, Phase 3, 11 Laurier Street, Gatineau Quebec,
K1A 0S5
Telephone: 873 469-3318
E-mail: erik.martin@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: ____-____-_____
Facsimile: ____-____-_____

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: ____-____-____

Facsimile: ____-____-____

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: ____-____-____

Facsimile: ____-____-____

E-mail: _____

Delivery follow-up:

Name: _____ (To be completed by the bidder.)
Title: _____
Telephone: ____-____-____
Facsimile: ____-____-____
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.

Item 001 – Cab and Chassis

Name: _____
Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 001 – Body (Inmate Module)

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

Item 002 – Body (Inmate Module)

Name: _____
Address: _____

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Item 003 – Cab and Chassis

Name:

Address:

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Item 003 – Body (Inmate Module)

Name:

Address:

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Item 004 – Cab and Chassis

Name:

Address:

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Item 004 – Body (Inmate Module)

Name:

Address:

Telephone Number:

Distance between the delivery location and the dealer and/or agent: _____km

Item 005 – Cab and Chassis

Name:

Address:

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 005 – Body (Inmate Module)

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 006 – Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 006 – Body (Inmate Module)

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 007 – Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 007 – Body (Inmate Module)

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 008 – Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 008 – Body (Inmate Module)

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 009 – Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 009 – Body (Inmate Module)

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 010 – Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 010 – Body (Inmate Module)

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 011 – Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 011 – Body (Inmate Module)

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 012 – Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 012 – Body (Inmate Module)

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 013 – Cab and Chassis

Name: _____

Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 013 – Body (Inmate Module)

Name: _____
Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 014 – Cab and Chassis

Name: _____
Address: _____

Telephone Number: _____

Distance between the delivery location and the dealer and/or agent: _____km

Item 014 – Body (Inmate Module)

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 prices specified in Annex “A” - Pricing, and as follows:

6.5.1.1 Basis of Payment (BOP) Type 1

Firm unit prices 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.

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)**

6.5.1.2 Basis of Payment (BOP) Type 2

Firm unit prices in Canadian dollars, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra.

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

6.5.1.3 Basis of Payment (BOP) Type 3

The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive (<http://www.njc-cnm.gc.ca/directive/index.php?sid=90&hl=1&lang=eng>), and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".

All travel must have the prior authorization of the Technical Authority. All payments are subject to government audit.

When requested by Canada, the Contractor must provide an estimated cost and relevant information for the travel and living.

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)**

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

6.5.2 SACC Manual Clauses

H1001C Multiple Payments 2008-05-12

6.5.3 Exchange Rate Fluctuation Adjustment

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. 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.

2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.

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 provisions in the contract. The exchange rate adjustment amount will be calculated in accordance with the following formula:

$$\text{Adjustment} = \text{FCC} \times \text{Qty} \times (i_1 - i_0) / i_0$$

where formula variables correspond to:

FCC

Foreign Currency Component (per unit)

i_0



Initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])

i_1

exchange rate for adjustments (CAN\$ per unit of foreign currency [e.g. US\$1])

Qty

quantity of units

4. The initial exchange rate is typically set as the 16:30 Eastern time (ET) rate as published by the Bank of Canada on the solicitation closing date.
5. For goods, the exchange rate for adjustment will be the rate published at 16:30 Eastern time (ET), by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be the rate published at 16:30 Eastern time (ET), on the last business day of the month for which the services were performed. For advance payments, the exchange rate for adjustment will be the rate published at 16:30 Eastern time (ET) on the date the payment was due. The most recent rate published at 16:30 Eastern time (ET) will be used for non-business days.
6. The Contractor must indicate the total exchange rate adjustment amount (either upward, downward or no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form PWGSC-TPSGC 450 , Claim for Exchange Rate Adjustments.
7. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form PWGSC-TPSGC 450  (i.e. $[i_1 - i_0] / i_0$).
8. Canada reserves the right to audit any revision to costs and prices under this clause.

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.

Note to Contracting Authority: 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.

6.7. 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.

6.7.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms 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 (2016-04-04) General Conditions - Goods (Medium Complexity);
- (c) Annex "A" - Pricing;
- (d) Annex "B" - Specifications – Secure Escort Vehicles;
- (e) Appendix 1 - Technical Information Questionnaire - Secure Escort Vehicles;
- (f) Annex "C" to PART 5 – BID SOLICITATION - Federal Contractors Program for Employment Equity – Certification; and
- (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 Hazardous Materials	2006-06-16
G1005C	Insurance	2008-05-12

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 vehicles 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 Correctional Services Canada's personnel at the final delivery location.

The fuel tanks must be at least half full prior to release of the vehicles to Correctional Services Canada's 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 – Firm Quantity

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.

(Repeat if more than one destination for firm quantity)

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

6.14 Shipping Instructions - Optional Quantity

- 6.14.1** Delivery will be FCA Free Carrier at the Contractor's Canadian facility or Contractor's Canadian distribution point, Incoterms 2000. The Contractor must load the goods onto the carrier designated by Correctional Services Canada. Onward shipment from the delivery point to the consignee will be Canada's responsibility.
- 6.14.2** Before shipping the goods, the Contractor must make arrangements with the Procurement Authority for each place of destination. The consignee may refuse shipments when prior arrangements have not been made.
- 6.14.3** The Contractor must not ship the goods before receiving shipping instructions from the Procurement Authority.
- 6.14.4** If the Contractor delivers the goods at a place and time which are not in accordance with the given delivery instructions or fail to fulfill reasonable delivery instructions given by Canada, the contractor must reimburse Canada any additional expenses and costs incurred.
- 6.14.5** If Canada is responsible for delays in delivering the goods, ownership and risk will be transferred to Canada upon expiry of either thirty (30) days following the date on which a duly completed shipping application is received by Canada or by its appointed forwarding agent, or thirty (30) days following the delivery date specified in the Contract, whichever is later.

6.15 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 _____ (**Contractor 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.

6.16 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.

6.17 Warranty

The manufacturer's standard warranty of **(to be inserted by contractor)** (_____ months or _____ km) as administered through the designated dealer or authorized agent apply.

6.18 Material

Material supplied must be new, unused and of current production by manufacturer (2017 model-year or newer).

6.19 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.

ANNEX "A" - PRICING

Item 001 Secure Escort Vehicle – Atlantic Institution (NB) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Atlantic Institution

13175 Route 8

PO Box 102

Renous, New Brunswick

E9E 2E1

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 002 Secure Escort Vehicle – Donnacona Institution (QC) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Donnacona Institution

1537 Highway 138

Donnacona, Quebec

G3M 1C9

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 003 Secure Escort Vehicle – Regional Reception Centre (QC) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Regional Reception Centre

246, Montée Gagnon
Sainte-Anne-des-Plaines, Québec
J0N 1H0

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: Two (2)

Item 004 Secure Escort Vehicle – Port Cartier Institution (QC) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Port-Cartier Institution

Chemin de l'Aéroport
PO Box 7070
Port-Cartier, Quebec
G5B 2W2

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 005 Secure Escort Vehicle – Beaver Creek Institution (ON) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Beaver Creek Institution
2000 Beaver Creek Drive
P.O. Box 5000
Gravenhurst, Ontario
P1P 1Y2

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 006 Secure Escort Vehicle – Joyceville Institution (ON) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Joyceville Institution
Highway 15
PO Box 880
Kingston, Ontario
K7L 4X9

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 007 Secure Escort Vehicle – Grande Cache Institution (AB) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Grande Cache Institution

Hoppe Avenue
Bag 4000
Grande Cache, Alberta
T0E 0Y0

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 008 Secure Escort Vehicle – Edmonton Institution (AB) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Edmonton Institution

21611 Meridian Street
Edmonton, Alberta
T5Y 6E7

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 009 Secure Escort Vehicle – Edmonton Institution for Women (AB) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Edmonton Institution for Women

11151-178th Street
Edmonton, Alberta
T5S 2H9

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 010 Secure Escort Vehicle – Regional Psychiatric Centre (SK) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Regional Psychiatric Centre

2520 Central Avenue North
PO Box 9243
Saskatoon, Saskatchewan
S7K 3X5

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 011 Secure Escort Vehicle – Saskatchewan Penitentiary (SK) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Saskatchewan Penitentiary
15th Street West
PO Box 160
Prince Albert, Saskatchewan
S6V 5R6

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 012 Secure Escort Vehicle – Stony Mountain (MB) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Stony Mountain Institution
Highway #7
PO Box 4500
Winnipeg, Manitoba
R3C 3W8

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 013 Secure Escort Vehicle – Pacific Institution (BC) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Pacific Institution

33344 King Road
PO Box 3000
Abbotsford, British Columbia
V2S 4P4

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 014 Secure Escort Vehicle – Kent Institution (BC) (Firm Quantity)

The Contractor must deliver the Secure Escort Vehicle and related items (i.e.: manuals, training, etc.) in accordance with Annex B – Specifications – Secure Escort Vehicles to:

Kent Institution

4732 Cemetary Road
PO Box 1500
Agassiz, British Columbia
V0M 1A0

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

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

Firm unit price of \$ _____ per vehicle, including all equipment and related items if applicable, in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: One (1)

Item 015 Secure Escort Vehicle (Optional Quantity)

If this option is exercised, the Contractor must deliver the Secure Escort Vehicle(s) and related items (i.e.: manuals, training, etc.) in accordance with Annex B - Specifications – Secure Escort Vehicles.

For Destinations in British Columbia;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

For Destinations in Alberta and Saskatchewan;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

For Destinations in Manitoba;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

For Destinations in Ontario and Quebec;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

For Destinations in New Brunswick and Nova Scotia;

Firm unit price of \$ _____ per vehicle/equipment in accordance with Clause 6.5.1.1, Basis of Payment Type 1.

Quantity: Up to fifteen (15)

Item 016 English Familiarization instructions/training (Optional Quantity)

If this option is exercised, the Contractor must provide English familiarization instruction/training, in accordance with the attached Annex “B” - Purchase Description – Secure Escort Vehicles.

Firm unit price of \$ _____ in accordance with Clause 6.5.1.2, Basis of Payment Type 2.

Quantity: up to fifteen (15)

Item 017 French Familiarization instructions/training (Optional Quantity)

If this option is exercised, the Contractor must provide French familiarization instruction/training, in accordance with the attached Annex “B”- Purchase Description – Secure Escort Vehicles.

Firm unit price of \$_____ in accordance with Clause 6.5.1.2, Basis of Payment Type 2.

Quantity: up to fifteen (15)

Item 018 Travel and Living for Familiarization Instruction/Training (Optional Quantity)

(Item 018 will not be included in the financial evaluation)

All travel must have the prior authorization of the Technical Authority. All payments are subject to government audit.

When requested by Canada, the Contractor must provide an estimated cost for the travel and living.

Estimated cost: \$ (to be inserted by PWGSC if an option is exercised) Familiarization Instruction/Training, for Travel and Living expenses, Delivered Duty Paid at destination, in accordance with Clause 6.5.1.3, Basis of Payment Type 3.

Quantity: up to fifteen (15)

ANNEX “B” – SPECIFICATIONS - SECURE ESCORT VEHICLES

(Secure Escort Vehicles for the transport of up to ten inmates in individual compartments)

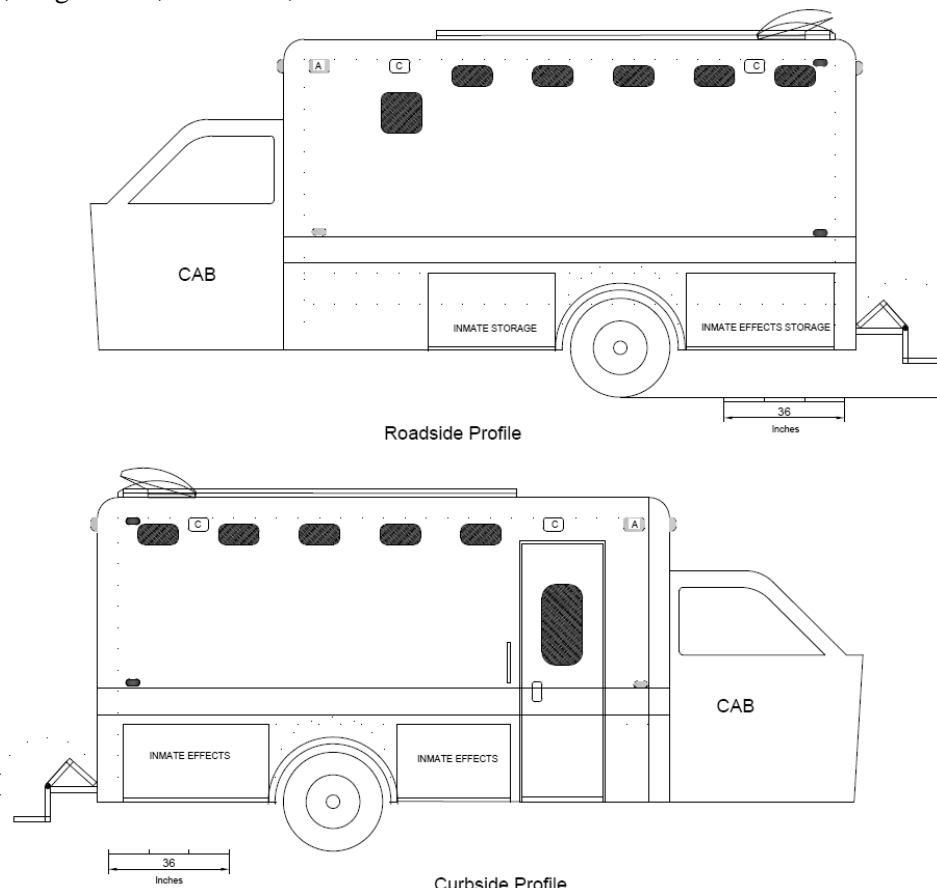
OVERVIEW and SUMMARY REQUIREMENTS:

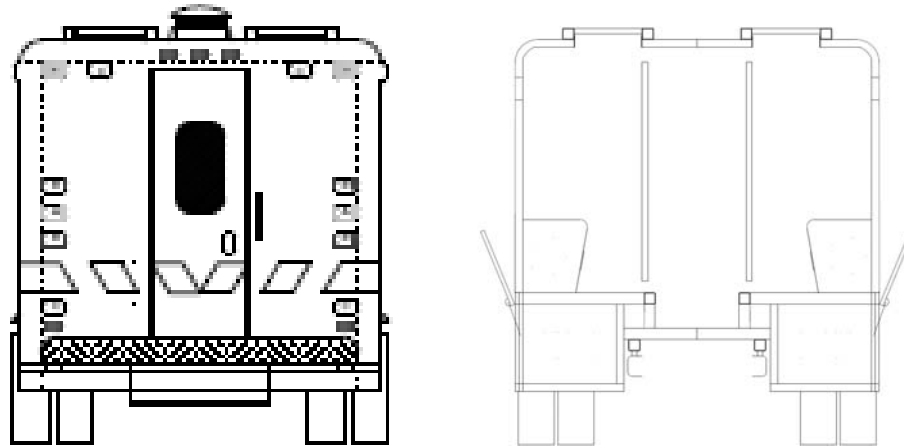
This requirement is for a new vehicle design intended to fulfill CSC’s ongoing requirements for larger secure escort vehicles.

Agreement will be a unit price contract for 15 vehicles (firm quantity) and up to 15 vehicles (optional quantity) capable of securely accommodating up to 10 inmates in individual compartments.

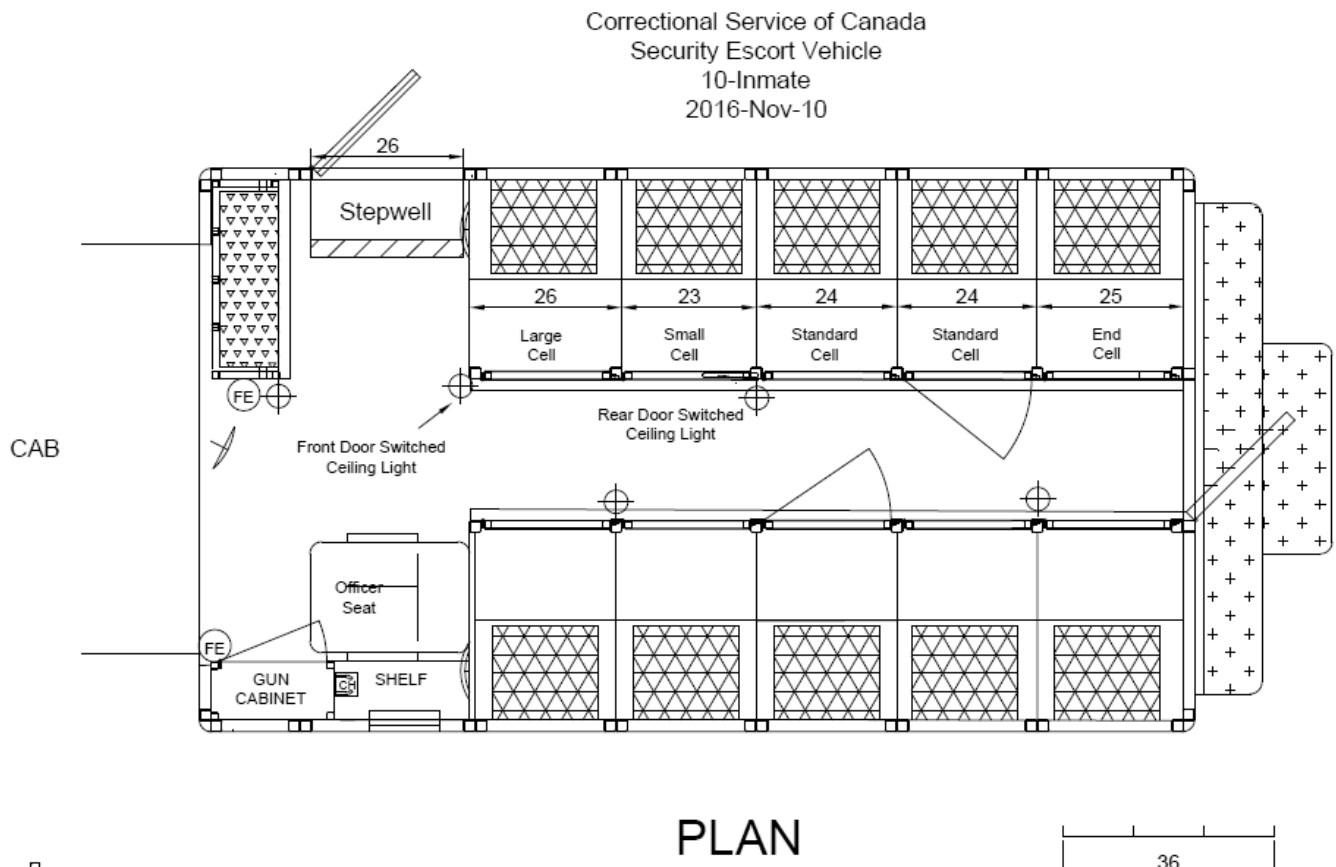
Notable features and requirements of the new vehicle concept include:

1. Overall vehicle size and shape will be similar to many full size Type III ambulances. Minimum module dimensions; length 169”, width 96”, head room 74”.

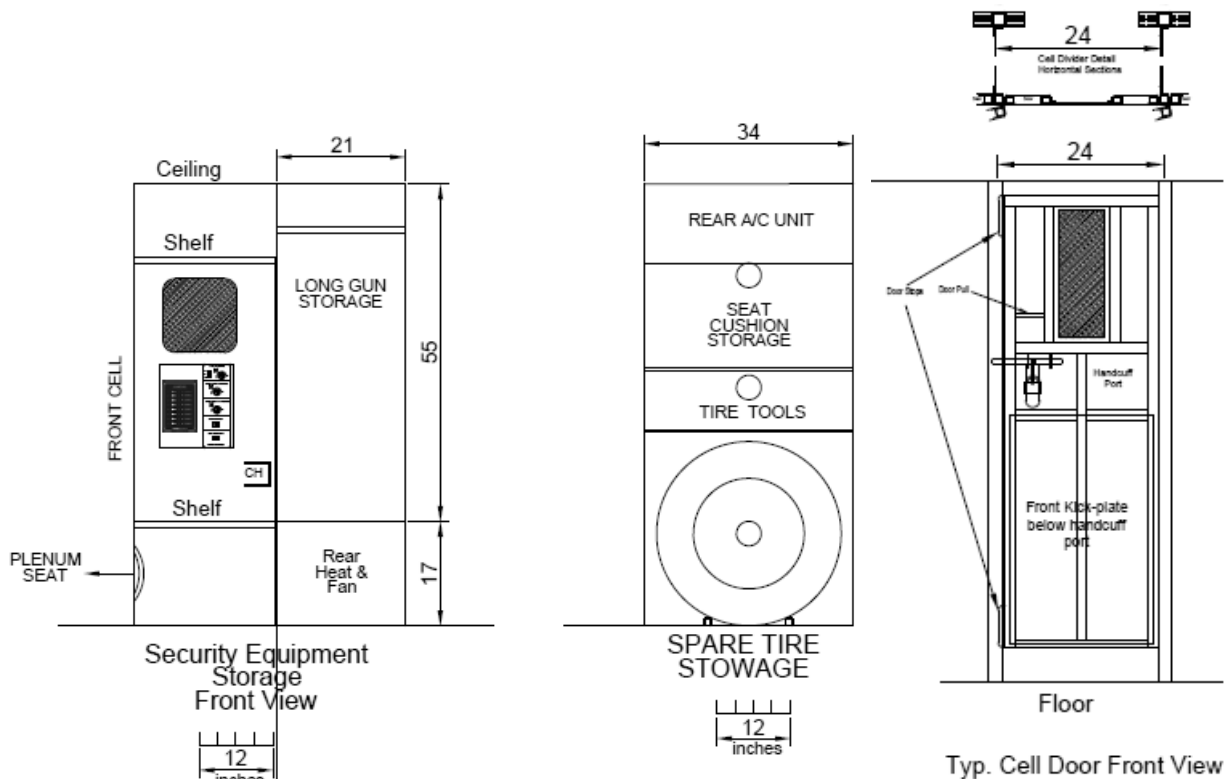




2. Vehicles will have capacity to accommodate 10 inmates in individual secure compartments, plus a driver and two additional escorting officers, and 4 weather-tight under-floor storage compartments for transport of inmate personal effects and records.
3. To carry 13 occupants @ 180 lbs ea, plus 760 lbs of fuel and cargo, vehicle must have a minimum available payload of 3,100 lbs available after fit-up. Envisaged floor plan, and selected section concepts as shown below (Door hinges at front latches at rear so officer can stand behind open doors when inmates are loading):

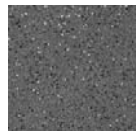


Selected X-Sections and Interior Views.



4. A secure interior commercial Gun Cabinet for secure storage operations equipment, including weapons and ammunition, requiring access from inside the vehicle.
5. Two small wall mounted shelves beside the rear officer station.
6. A cut-a-way chassis powered by a gas engine is required.
7. Be designed and constructed with emphasis on the safety of staff and inmates, especially so that so after an accident event, flame and smoke hazards are minimized, and reasonable provisions are in place to ensure the inmate compartments remain secure with provisions for evacuation if necessary after an accident event. Notable such features are minimal combustibles used in construction, and provision for evacuation every inmate compartment through two removable roof hatches, as further specified and shown on drawings.
8. Be constructed robustly enough to stand-up to possible abuse by occupants.
9. Have supplementary rear heat and cooling, and a roof mounted vent and exhaust fan that is rain shedding even when open.
10. Have a power distribution system dedicated to supplying and controlling the module's electrical loads, including:
 - a. an approximate 80A 12 VDC circuit from the chassis electrical system that is energized only when ignition is switched to the ACC or RUN positions, and disconnected when vehicle ignition is switched to OFF.
 - b. an approximate 20A 12 VDC Low Voltage Disconnect (LVD) circuit from the chassis electrical system that is always Energized to power Door Switched Module lights . An LVD is provided in this circuit to ensure that sufficient reserve charge is maintained in the vehicle's starting batteries to start vehicle, even if a door switched light is left on, and

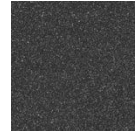
- c. a power distribution/breaker panel with a minimum of 8 branch breaker/switches with LED status indicators and back-lit labels, and
 - d. A control center for the vehicle's HVAC equipment (rear heater, rear evaporator, inmate compartment air circulation fans, and a door enabled Rear Scene Light Switch.
11. Inmate compartment windows (both exterior and in inmate compartment doors) fabricated from minimum 3/8" thick scratch and UV resistant polycarbonate sheet.
12. A natural aluminum interior, cleaned, and sealed to minimize aluminum rub-off.
13. Transit bus type heavy duty slip resistant welded seam flooring, such Altro-Transflor Safety Floor, Chroma, Meta, or Tungsten lines, – Sierra, Bison or Storm colors as shown below.



Chroma Sierra



Altro Bison

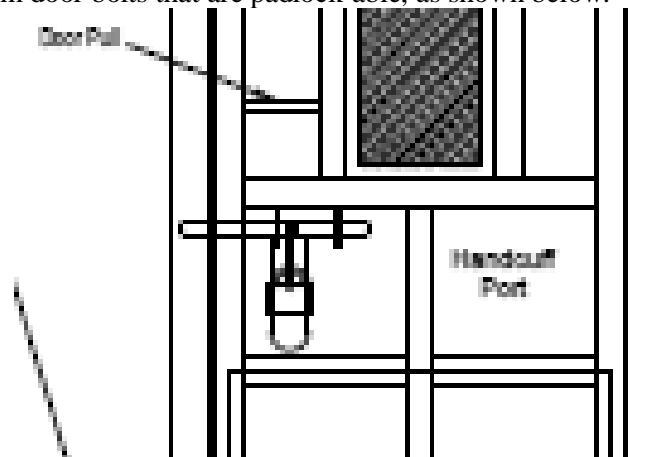


Altro Storm

Seat for a rear officer station. This seat will be a high back ambulance style "attendant seat" with 3-point integral safety belts, similar to show below:



14. Inmate compartment doors will be secured with a simple maintenance free and reliable virtually 3/4" diameter aluminum door bolts that are padlock-able, as shown below.



DETAIL REQUIREMENTS:

The drawings and designs shown in the Bid documents are intended to convey a concept. Bidders are encouraged to adapt their existing standard designs, components, parts, and material inventories as required to meet the requirement to extent they are consistent with the safety, security, and functional, requirements of the vehicle. Suggested solutions are provided in the specification as an example of what is required, for the convenience of bidders, and to illustrate a standard by which bidder's equivalent to, similar to, or better than proposals and "such as" solutions can be evaluated. Requests for approval to use of functionally equivalent equipment, materials, and designs will not unreasonably be withheld by the Technical Authority. Where dimensions are provided, reasonable tolerances as required to accommodate specific detail design requirements can be assumed. A pre-award design review with agreed minutes will be conducted ensure the selected bidder's proposal is consistent with CSC's functional requirements. Information provided with the RFP and information provided with the bidder's proposal will be the starting point for the review.

IMPORTANT NOTE TO BIDDERS:

To have an acceptable bid, bidders **must confirm** their compliance with **every** mandatory requirement as described below by checking or selecting the YES column. Where the requirement allows for adaption of existing designs by specifying "equivalent to" or "similar to" or "better than" "such as" etc., and the bidder's proposal is for an "equivalent to" or "similar to", or "better than" the specified requirement, bidders should indicate "YES" for compliance, and indicate "equivalent to", "similar to" or "better than" in the "Comments" column, and provide supplementary information on what they are proposing in their technical proposal as appropriate.

Requirement	Y	N	Comments
Bidder Minimum Qualifications: To be accepted as qualified to bid, bidders must be registered businesses with a minimum of 3 years experience as a Final Vehicle Manufacturer producing completed ambulance, bus, or other emergency, mobility, or special purpose vehicles intended to accommodate passengers in the completed portion of the vehicle.			
1. Applicability of Legislated Motor Vehicle Safety requirements: Bidders are advised that the Correctional Service Canada has determined that the vehicle(s) required by this specification will be considered special purpose "Crown Owned Vehicle(s)".			Information only

<p>Motor Vehicle Safety Act application: For the purpose of application of the Canadian Motor Vehicle Safety Act (CMVS), the Correctional Service Canada requires that the Cutaway Chassis on which the Inmate Module will be mounted be considered an “Incomplete Vehicle”, and that the all the applicable requirements of the CMVS Act and related documents applicable to such a incomplete vehicle be complied with by the incomplete vehicle’s manufacturer, and that any restrictions on the use of such an incomplete vehicle stipulated by its manufacturer as applicable to ambulance or bus type vehicles be respected in the completed vehicle required by this specification, including GVWR limitation. It is also required that the provided chassis be compliant with Canada’s daytime running lights requirement.</p>			
<p>2. Applicability of Legislated Motor Vehicle Safety requirements cont:</p>	Y	N	Comments
<p>2.2 CMVSA Application to Module Design and Construction: The Correctional Service Canada also requires that, to the extent practically consistent with the vehicle’s essential end use functional requirements, the design and fabrication of the specified Completed Vehicle follow good industry safety practice applicable to similar ambulance or bus type vehicles including application of the following Technical Standards Documents (TSDs) as appropriate for and consistent with the vehicle’s special functional requirements:</p> <ul style="list-style-type: none"> • TSD 108 Motor Vehicle Lighting Standards. • TSD 205 Glazing Materials as applicable to the windows in the inmate module’s two exterior doors, and rear officer’s window. • TSD 207 Anchorage of seats as applicable to the rear officer’s seat. • FMVSS/TSD 210 as applicable to the integral retracting 3-pt seat belt assembly required for the rear officer seat. • FMVSS/TSD 216 and 220 for Crush Resistance and Rollover Protection, (1.5 times vehicle GVWR). • TSD 217 requirement for Bus Window Retention and Emergency Exits is not applicable to inmate compartment windows since they have a minimum chord that is less than 8 inches. The Correctional Service Canada does however require the fixed windows in the front and rear doors be securely mounted in good frames so they won’t pop out if the windows are impacted. The required plan of the vehicle shown in the drawings is deemed to have met the intent of TSD 217 Para 6 requirements for emergency exits to the extent such requirements are consistent with the essential functional requirements of the vehicle. (i.e. there are front exits both sides of vehicle and a rear exit, 			

<p>and every inmate compartment can be evacuated through a roof evacuation hatch if need be).</p> <ul style="list-style-type: none"> • TSD 302 Flammability of Interior Materials: The Correctional Service Canada does require that TSD 302 be applicable to any interior combustible materials necessarily incorporated into the inmate module design and construction, including the rear officer's seat. (It is not applicable to the loose stored items such as the required wheelchair style seat cushions). 			
3.0 CHASSIS Requirements - Cutaway type meeting following minimum requirements:	Y	N	Comments
<p>Air bags.</p> <p>Air-conditioning Single Zone Manual.</p> <p>Audio System min AM/FM Stereo with Bluetooth.</p> <p>Driver Information Center, includes fuel range, average speed, oil life, fuel used, ice warning, engine hours, average fuel economy, tachometer, and maintenance reminders.</p> <p>Floor covering, Black rubberized-vinyl.</p> <p>Front seats, bucket with cloth or vinyl trim and outboard head restraints, and include armrests.</p> <p>Wheel configuration, rear, dual, Wheels, 6 - 16" x 6.5" minimum 8-lug, heavy duty.</p> <p>Alternator minimum 145 amps.</p> <p>Rear axle ratio, min 3.73, max 4.10.</p> <p>Engine, gas, min of 300 hp and a min of 350 lb-ft of torque.</p> <p>Transmission, Heavy-duty, min 6-speed automatic.</p> <p>Batteries, maintenance-free with rundown protection.</p> <p>Fuel tank, capacity minimum of 200L, Incomplete vehicle certification Canada.</p> <p>Canada std CMVSS, requirement incl daytime running lights.</p>			

3.0 CHASSIS Requirements (cont.)- Cutaway type meeting following minimum requirements:	Y	N	Comments
<p>Brake warning indicator, monitors brake system pressure, with loss of pressure an audible alarm (chime) and cluster telltale is lit.</p> <p>Tilt-Wheel and cruise control.</p> <p>Door locks, power with lock-out protection (i.e. no remote).</p> <p>Circuits, stop/turn signal, body control module calibration that allows the stop and turn signals installed in Body Module to be operated separately.</p> <p>Mirror, inside rear-view manual day/night.</p> <p>Mirrors, outside wide-stance sail panel mounted. Provides Velvac, convex combination RH and LH outside rear view mirrors that are sail panel mounted with arms that provide a wide stance that can be utilized with bodies that are up to 96 inch wide. Mirrors provide a 63.3 sq. inch flat glass positioned over a 30.1 sq. inch convex glass within a common head.</p> <p>Tire, full size spare LT, all-season, black wall (to be stored in module's interior front curbside storage rack.)</p> <p>Cold Climate Package, includes engine block heater.</p> <p>HVAC system, auxiliary rear HVAC connection provisions.</p> <p>Dark Blue exterior color</p> <p>Interior trim, light grey or black.</p> <p>Manufacturer's Ambulance prep package or equivalent.</p> <p>Backup alarm, 97 decibels, shipped loose to be installed by upfitter, or equivalent aftermarket back-up alarm.</p> <p>Rear-view Back-up camera, either OEM or aftermarket fitted appropriately to rear of Inmate Module.</p> <p>any additional options required at Contractor's discretion to facilitate specified vehicle completion.</p>			

4.0 Inmate Module Fabrication Requirements	Y	N	Comments
<p>4.1 The requirement is for a vehicle with an inmate module that:</p> <ul style="list-style-type: none"> • Can accommodate 10 inmates in individual secure compartments (cells), two of which are wider than the others to be used for larger occupants. • can accommodate one Correctional Officer in addition to the driver and passenger officers accommodated in the chassis cab. • Has provision for storage of inmate effects and records in weather tight lockable under floor storage compartments accessible from vehicle exterior. The bottom of these compartments shall include aluminum or rubber duck boards, grating, matting, or equivalent on bottom so that in even if a door seal gets worn, and a bit of water gets inside, the boxes inside will not be sitting directly on a wet floor. • Has provision for direct sight and sound access between escorting officers and the inmate area, i.e. cutaway type chassis required. • Has provision for roof evacuation of every inmate compartment so vehicle can be evacuated even if it has rolled on a side. 			<p>Proposed Vehicle : GVWR lbs =</p> <p>Proposed Vehicle Estimated fit-up weight lbs =</p> <p>Proposed Vehicle Estimated Payload lbs =</p>
<p>4.2 Dimension Requirements:</p> <ul style="list-style-type: none"> • Overall Inmate Module Length shall be a minimum of 170 inches. • Inmate Module Width shall be a minimum of 96 inches, and not more than 98 inches. (Custom door mounted rear-view mirrors would be required for modules wider than 96 inches) • Interior Head Room at Centre of Module minimum 72 inches, maximum 74 inches (to minimize aerodynamic drag). • Exterior Wall Thickness = as necessary to achieve a minimum insulation value of R8 utilizing non-combustible low smoke insulation such as mineral wool. • Example Module Width Distribution: <ul style="list-style-type: none"> • Wall thickness 2.5" x 2 = 5.0" • Inmate-C Depth minimum 32" x 2 = 64"+ • Inmate-C Door thickness 1.5" x 2 = 3.0" • Aisle Width minimum <u>24" x 1 = 24"+</u> <p>Minimum TOTAL = 96" +</p> <p>If module size or construction allows a wider width than those shown above, additional available width shall be split between a wider aisle and deeper inmate compartments.</p> • Aisle Width = minimum 23½ ", or 1-½ " wider than the inmate compartment doors (inmate compartment 			


4.0 Inmate Module Fabrication Requirements	Y	N	Comments
<p>doors must be able to open 180 degrees and so that there is no finger pinch hazard between edge of door and opposite side of aisle.</p> <ul style="list-style-type: none"> • Inmate compartment Width = with exception of designated narrow compartments, inside dimension, measured at hip/shoulder zone height, minimum 23-¾". (i.e. a regular inmate compartment partition spacing of 24" centre to centre is acceptable). To accommodate a wider variety of body types, the front inmate compartment on each side of the vehicle shall be approximately 2" wider than the average inmate compartments. This can be simply accomplished by off-setting the side partitions on this inmate compartment to the side of door jamb that achieves the maximum width. It is acceptable that the adjacent inmate compartment be approximately 1" narrower than average. 			
<ul style="list-style-type: none"> • Rear Door: clear opening width shall be at least the same as the clear aisle width (min 23-1/2"). Minimum height shall be 71". • Front side Door: minimum clear opening width is 26 inches. Minimum opening height is 74". • Spare tire storage: suitable for the storage of specified full size spare tire, accessible from interior located where shown front curbside of module and integrated with seat cushion storage and rear A/C unit compartment above. • Inmate compartment Doors Opening Width = 22" (i.e. 24"-2"). (The inmate compartment door width is at least 2" less than aisle width to eliminate finger pinch hazards and to permit 180 degree opening in event vehicle ever has to be evacuated to the front). <p>Inmate compartment Roof Evacuation Hatches: minimum nominal clear opening of 18" wide by clear space between 24" on center roof bows.</p>			
<p>4.3 Materials and Workmanship: All materials and equipment utilized in the manufacture of the vehicle shall be new and conforming to all the manufacturer's quality standards. Use of reject or seconds is not permitted. Workmanship and fabrication practice shall be in accordance with good applicable industry standards and practice, even if the details of such practice are not specifically referred to in the individual item's requirement specifications.</p>			
<p>4.4 Inmate Service Suitability: Since the vehicle will be used for inmate transfers, therefore the design and</p>			



<ul style="list-style-type: none"> • Rear Door: clear opening width shall be at least the same as the clear aisle width (min 23-1/2"). Minimum height shall be 71". • Front side Door: minimum clear opening width is 26 inches. Minimum opening height is 74". • Spare tire storage: suitable for the storage of specified full size spare tire, accessible from interior located where shown front curbside of module and integrated with seat cushion storage and rear A/C unit compartment above. • Inmate compartment Doors Opening Width = 22" (i.e. 24"-2"). (The inmate compartment door width is at least 2" less than aisle width to eliminate finger pinch hazards and to permit 180 degree opening in event vehicle ever has to be evacuated to the front). <p>Inmate compartment Roof Evacuation Hatches: minimum nominal clear opening of 18" wide by clear space between 24" on center roof bows.</p>			
<p>construction of the inmate access and containment areas will have to be robust for escape and damage resistance. Part of the vehicle's acceptance test may include a large strong individual kicking, lunging, hitting, pressing and/or pulling every possible inmate compartment component accessible to inmates in transit with a view to breaking, defeating, and/or doing serious damage to something. If they succeed and any component fails this test, the damaged item(s) will have to be repaired or replaced in a manner that eliminates the possibility of recurrence of the problem.</p> <p>Since the vehicle will be used for transfer of physically restrained individuals, there is concern that evacuation after accident may be more difficult than with a more traditional vehicle. As such it is very important that provision be made in the design to minimize post accident fire and smoke hazards. Provision also required in the design of roof evacuation hatches for the evacuation of the inmate compartments through roof if necessary after a serious accident.</p>			
<p>4.5 Construction: To extent practical, all interior materials should be non-combustible. All joints shall be welded or riveted and/or bonded for strength, weather tightness, and to minimize squeaks and rattles.</p> <p>Body Module panels/sheets, front, side, and rear, module panels, and under body cladding shall be minimum .091 inches aluminum. Roof exterior and all interior body interior panels are to be minimum 1/8inch thick aluminum. The inmate compartment divider panels and end panels shall be minimum 3/16" thick aluminum.</p> <p>Body Module roof and side corners: shall have minimum 2 inch exterior radii, to provide a smooth aerodynamic leak</p>			

<ul style="list-style-type: none">• Rear Door: clear opening width shall be at least the same as the clear aisle width (min 23-1/2"). Minimum height shall be 71".• Front side Door: minimum clear opening width is 26 inches. Minimum opening height is 74".• Spare tire storage: suitable for the storage of specified full size spare tire, accessible from interior located where shown front curbside of module and integrated with seat cushion storage and rear A/C unit compartment above.• Inmate compartment Doors Opening Width = 22" (i.e. 24"-2"). (The inmate compartment door width is at least 2" less than aisle width to eliminate finger pinch hazards and to permit 180 degree opening in event vehicle ever has to be evacuated to the front). <p>Inmate compartment Roof Evacuation Hatches: minimum nominal clear opening of 18" wide by clear space between 24" on center roof bows.</p>			
<p>resistant body shape.</p> <p>Insulation: Module shall be insulated to facilitate winter heating, and minimize summer solar heating. A minimum insulation value of R8 is required for walls and roof and floor. Exterior doors, and roof evacuation hatches a minimum of R6. Insulation shall be fibreglass or mineral or rock wool or equivalent (FSR < 25 and an SDR < 50). Design shall include precautions to prevent interior moisture migration into and/or moisture accumulation in the insulation cavities in accordance with good industry standard practice.</p>			

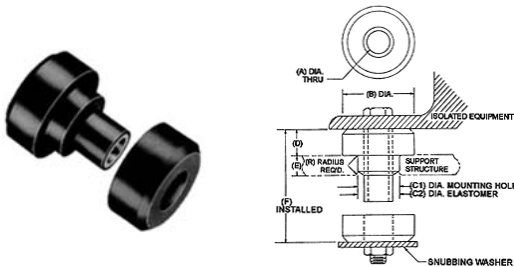
<ul style="list-style-type: none"> • Rear Door: clear opening width shall be at least the same as the clear aisle width (min 23-1/2"). Minimum height shall be 71". • Front side Door: minimum clear opening width is 26 inches. Minimum opening height is 74". • Spare tire storage: suitable for the storage of specified full size spare tire, accessible from interior located where shown front curbside of module and integrated with seat cushion storage and rear A/C unit compartment above. • Inmate compartment Doors Opening Width = 22" (i.e. 24"-2"). (The inmate compartment door width is at least 2" less than aisle width to eliminate finger pinch hazards and to permit 180 degree opening in event vehicle ever has to be evacuated to the front). <p>Inmate compartment Roof Evacuation Hatches: minimum nominal clear opening of 18" wide by clear space between 24" on center roof bows.</p>			
<p>4.6 Body Module floor shall generally be constructed, as below: covered with the specified non-slip floor covering (see fit-up requirements) floor substrate shall be a minimum 3/16" thick aluminum sheet. Use thicker sheeting or intermediary supports as necessary to prevent drumming when walked on by individuals weighting up to 300 lbs. All seams in and around floor shall be welded.</p>			

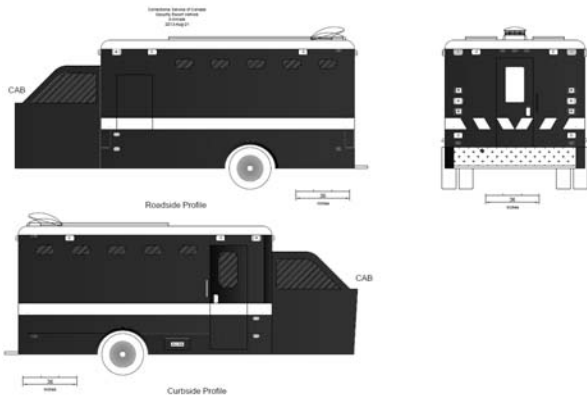

4.0 Inmate Module Fabrication Requirements cont.	Y	N	Comments
<p>4.7 Rear Step Bumper and step. The steps into the vehicle's rear door shall have a maximum rise of 11" so they can be used by inmates wearing leg irons. Step rises from ground to fold down step, to step bumper, to aisles, and from aisle</p>			

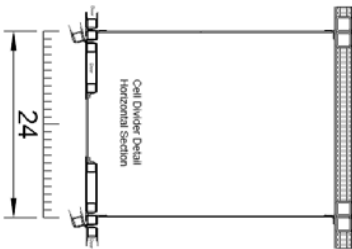
<p>into inmate compartments shall all be approximately equidistant. The fold down step shall fold up to achieve a minimum clear distance from road to bottom of step bumper of 15" with the step folded up.</p> <ul style="list-style-type: none">• The step bumper and fold-up step shall be strong enough to support a 2 foot wide test load of at least 500 lbs. applied anywhere along length of bumper.• The step bumper and step walking surface shall be fabricated from 12-inch wide aluminum diamond "safety grating" or equivalent, as below:  <ul style="list-style-type: none">• High visibility exterior quality reflective red/white tape, or equivalent, shall be applied to the rear edge of the step bumper.• Step bumper shall be fitted with appropriate sized commercial "dock bumpers".			
<p>4.8 Exterior Door Hardware:</p> <p>Exterior Personnel Door Latches shall be 2-stage FMVSS 206 standard automotive style two rotor catch mechanisms or similar suitable for exterior motor vehicle door applications.</p> <p>Personnel door exterior handles shall be locking recessed or low profile paddle handle type, approved for FMVSS 206 applications.</p> <p>Personnel door interior handles, both side and rear, shall be configured to ensure the vehicle doors can be opened from the inside, so vehicle can be evacuated in an emergency, without use of a key or other special tool, even if the doors have been locked from the outside. Black powder coated finish for these is preferred.</p> <p>Inmate Effects storage compartment latches shall be black finish lockable keyed alike exterior rated Flush Vector T Handle with minimum 4 mm compression to ensure tight weather resistant fit/seal, as below:</p>			

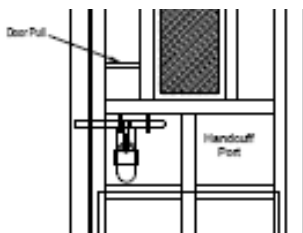
 <p>Exterior Personnel Door Hinges shall be stainless steel, either piano type with minimum 3/16" pins, or minimum 5" strap type (three per door).</p> <p>Personnel Door hold-open devices. The module's exterior rear door shall have automatically engaging ambulance style door grabber/bumpers to hold the door open in light to medium winds (30 kph or less), and to prevent doors from swinging back and damaging the vehicle's body. Such a door grabber shall be of non-ferrous metal or/and rubber materials such as shown below:</p>  <p>Gas struts can be used as the hold open device on the front curbside personnel access door, and on the Inmate Effects storage locker doors.</p>			
<p>4.0 Inmate Module Fabrication Requirements cont.</p>	Y	N	Comments
<p>4.9 Exterior Windows Inmate compartments: Each inmate compartment shall have a tinted exterior window, approximately 6" high x 12" wide, located approximately where shown on the drawings, and evenly spaced such that there is 5 windows per side (1 exterior window per inmate compartment, plus a larger one adjacent to rear officer station).</p> <p>The exterior glazing shall be tinted automotive safety-glass, mounted approximately flush with body module's exterior surface.</p> <p>The interior glazing for these windows shall be minimum 3/8" thick tinted UV stabilized scratch resistant polycarbonate. The interior windows shall be sealed with an appropriate sealing adhesive to ensure a durable seal that will as much as practical prevent moisture migration into cavity between interior and exterior windows.</p>			
<p>4.10 Roof Evacuation hatches for Inmate compartments:</p> <ol style="list-style-type: none"> all inmate compartments shall have provision for emergency evacuation through roof openings that are 			

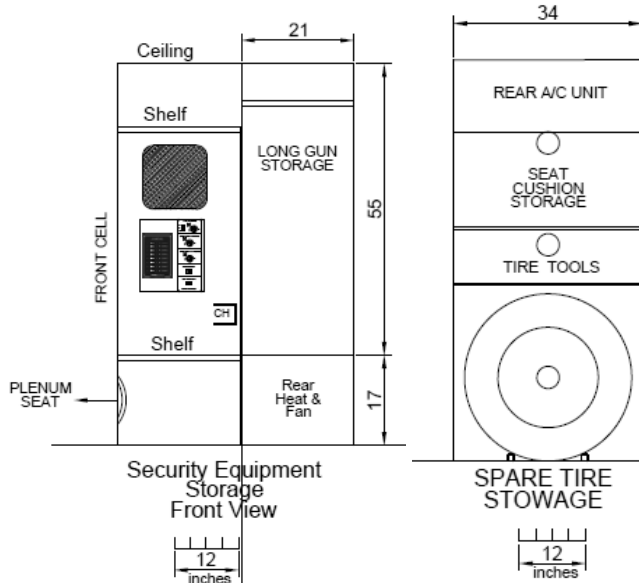
<p>nominally a minimum of 20 inches by 18 inches. Roof bows may pass through the roof inmate compartment evacuation opening provided that the required clear space between them is achieved.</p> <ol style="list-style-type: none">there shall be only one evacuation hatch cover per side of vehicle. The hatch covers for the 5 inmate compartments will have to be approximately 120" long. (i.e. the width of 5 inmate compartments).the top of hatch covers shall have a minimum R6 insulation value.hatch curb shall be minimum of 1/2" high from minimum 1/8" thick aluminum plate or angle. The hatch cover perimeter framing shall be minimum 2-1/2" inch with insulated double wall minimum 2" thick. each of the hatches shall be secured in place at the roof bows in a minimum of 6 locations per hatch. Fastening system shall be quick release, and seize resistant. to securely and reliably fasten in hatches in place without roof penetrations that may cause roof leaks over time.Exterior of the hatch cover shall be finished white to match module roof. Interior of hatches can be white, same as hatch exterior, or natural aluminum same as inmate compartments etc in the interior of the module.			
---	--	--	--

4.0 Inmate Module Fabrication Requirements cont.	Y	N	Comments
<p>4.11 Body Rollover Structural Strength: Body design and construction shall be capable of meeting the requirements of FMVSS/TSD 216 and 220 for Crush Resistance and Rollover Protection, (1.5 times vehicle weight). Strength contributed by compartment partition structure may be taken into account.</p> <p>If CSC is not satisfied that the vehicle meets this requirement, it reserves the right to request physical testing of the supplied vehicle. Cost of any such required successful test shall be the responsibility of CSC; however, if the vehicle fails the test, the cost of the test and all remedial action necessary to make the vehicle compliant with the requirement will be the responsibility of the Contractor at no additional cost to CSC.</p> <p>Any vehicle module reasonably constructed with specified minimum framing of 24 – 2-1/2” Aluminum HSS wall uprights, and 12 – 2” Aluminum HSS Inmate Compartment door posts, and five - 3/16” sheet inmate compartment dividers, shall be deemed to meet this requirement. The described construction provides a total cross-section area of 42 sq inches which at yield strength of 35,000 psi provides theoretical support far in excess of the required 28,200 lbs.</p>			
<p>4.12 Module Mounting shall utilize 2-piece Center Bonded Fail-safe Body Isolation Mounts to electrically isolate the module's aluminum body from the chassis's steel body, and to provide some vibration dampening. Such as the Karman Rubber K190 series, sized and spaced in accordance with the mount manufacturer's recommended practice to suit the vehicle's size and load requirements.</p> <div data-bbox="310 1482 820 1747">  </div> <p>Provision shall be made to ensure the mount retaining nuts do not vibrate loose during service. If required to facilitate mounting (i.e. no room to insert bolt from above), bolt orientation may be reversed relative to</p>			

<p>above illustration.</p> <p>The “softmounts” type supplied with the chassis shall be considered an acceptable equivalent for this requirement.</p>			
4.0 Inmate Module Fabrication Requirements cont.	Y	N	Comments
<p>4.13 Module Paint/Finish Exterior: Module exterior shall be powder coated or finished with other quality paint system warranted against peeling or delaminating for minimum of 10 years.</p> <p>Body Module shall be same dark blue as the chassis with a white roof, including white evacuation hatches and frames to minimize summer heating as shown below.</p> <p>For Safety, reflective white accent trim shall be provided both sides and back similar to shown below. Trim specifics shall be determined in consultation with Technical Authority. Such accenting may require a chevron pattern on rear of vehicle as shown below:</p>  <p>Use of decal material for the reflective accent striping and chevrons shown above is permitted.</p> <p>Correctional Service Canada identity and Canada Wordmark decals, shown below and as required by Government of Canada's FIP, will be provided and applied to the vehicle by the Technical Authority.</p> 			
<p>4.14 Rear Tow Hook or Tow point: The vehicle shall have a rear tow rope attachment point (tow hook or equivalent) welded or bolted to the vehicle rear frame rail(s), and accessible with the rear step in up position.</p>			
5.0 Inmate compartment Construction and Interior fit-up requirements .	Y	N	Comments

<p>5.1 Conceptual general arrangements of each inmate compartment shall be consistent with the sections shown below:</p> 			
<p>5.2 Inmate compartment aluminum sheeting thicknesses: All aluminum sheeting used for fabrication of the inmate compartments and other the interior fit-up shall be a minimum of 1/8 inch thick and of an alloy type suitable for the intended purpose. The Inmate compartment dividers, including front partition shall be minimum 3/16". Generally edges of all aluminum sheets shall be affixed to framing or finished with radius corners for strength and stiffness.</p>			
<p>5.3 FINISH Aluminum Interior: Natural aluminum mill finish is the preferred finish for interior aluminum surfaces. Prior to delivery, all exposed interior aluminum surfaces shall be:</p> <ol style="list-style-type: none"> Lightly buffed with a Scotch Brite, or similar abrasive cleaning pad, and a suitable cleaner to clean and remove old oxidation and mill oils, Wiped with damp cloth to remove any cleaner residue, Then, to minimize rub-off from the interior's aluminum surfaces, apply an appropriate non-chip, flake or peel aluminum surface sealer/protectant or wax. 			
<p>5.4 Sealing corners and joints: All interior corners and joints which are not seal welded and may be exposed to any fluid, even during cleaning, shall be sealed by bonding or caulking of the joined material to prevent fluids from seeping into their joints.</p>			
<p>5.5 No sharp corners: The interior of all officer and inmate occupied areas shall be free of sharp projections. Outside corners shall be rounded wherever possible. Any resultant sharp edges around openings etc. shall be dulled by grinding, etc.</p>			
<p>5.6 Inmate compartment Door Frames and latches should be free of edges or projections, that may, in the event of an accident stressing the door frame, catch on the door and prevent it from being opened with reasonable force.</p>			

<p>5.7 Inmate compartment doors will be secured with a simple maintenance free and virtually infallible ¾” dia aluminum door bolts that are padlock-able, as shown below.</p> 			
<p>5.8 Inmate compartment Seats/Plenum: Dedicated Inmate compartment Seats are not required. The inmate compartment air distribution plenums shall double as seating surfaces for the inmates. To function as a seat, the air distribution plenum shall be fabricated to be approximately 19 inches high, and 17 inches wide.</p> <p>The air distribution seats/plenum shall be constructed from minimum 3/16” thick aluminum sheet, welded to the floor ,walls, and compartment dividers.</p> <p>Wheelchair type seat cushions may be issued to inmates for longer trips. See “Loose or Mounted Deliverables” for details of seat cushion requirement.</p> <p>Inmate compartment seating does not require seat belts per provincial MVA exemptions for inmate transportation vehicles.</p>			

6.0 Heating Ventilation and Air-conditioning	Y	N	Comments
<p>6.1 Mounting Locations: A rear heater shall be mounted under the Security Equipment Storage Locker cabinet, and a rear evaporator shall be mounted over the Spare Tire Storage rack as shown below:</p>  <p>Both the rear heater and air-conditioner shall have simple reliable controls.</p>			
<p>6.2 Heater/Evaporator Requirements:</p> <ul style="list-style-type: none"> • A minimum of 40,000 BTUH of supplementary rear heating shall be provided (• A minimum 25,000 BTUH of rear cooling shall be provided. . • Both heater and cooling unit fans shall have a minimum of OFF-LOW-MED-HIGH (3-speed switches) or be continuously variable. Such switches shall be supplied in accordance with the heater or evaporators recommendations for the equipment. The power supply for the units' shall be switched or controller so that it is not possible to operate both heating and the cooling simultaneously. <p>The floor mount unit heater's coolant supply shall be connected in accordance with the chassis manufacturer's recommended practice for auxiliary rear heaters, and have manual valving to shut-off coolant flow to the heater during times when any radiated heat from the rear heater is undesirable, and for maintenance isolation.</p> <p>The compressor control for the evaporator can simply be the chassis's A/C compressor control switch operated in conjunction with the rear A/C units evaporating coil fan.</p>			

6.3 Roof Exhaust Fan Requirement:

Provide for sufficient stale air venting and to allow facilitate fresh air intake through the chassis heater vents to:

1. to minimize window condensation and frost build-up during cold weather operations, and
2. to provide for ventilation in event of a summertime air-conditioner failure,

The vehicle shall be fitted with a quality powered roof exhaust fan in approximate location shown on drawings.

The lower face of the fan shall be protected from damage by head strikes by a protective grill that protects while allowing ready access to the fan controls and opening knob.

The provided Roof Exhaust Fan shall have the following minimum features:

1. A manual opening dome that sheds rain even when open,
2. A protective grill to protect fan from damage from head butting by occupants in the aisle, grill bars shall be spaced as required to maintain access to fan cover knob and controls.
3. Twin lifting arms for better support and less dome flutter in high winds or while driving,
4. multispeed reversible fan with a minimum rated capacity of 900 cfm at high speed.
5. CSA/UL507 compliance.


An acceptable example of such a roof fan/vent is the MaxxAir manual opening MaxxFan Deluxe Model 5100K shown below:



See:

http://www.maxxair.com/products/maxxfan/maxxfan_deluxe_manual.php

The dome may be opened during winter operations to act as a static vent and facilitate air exchange in the vehicle. In summer, the vent may be used to minimize heat build-up in a parked vehicle, or to provide significant flow-through ventilation in event of a summer failure of the vehicle's air-conditioning.

6.0 Heating Ventilation and Air-conditioning	Y	N	Comments
<p>6.4 Inmate compartment Circulation fans-plenum vents: Positive inmate compartment ventilation and air circulation shall be provided through the under seat air plenums. Circulation fans shall be capable of supplying each inmate compartment with a minimum average of 100 cfm of circulated air through steel or aluminum vents mounted in each inmate compartment in the front face of the seat/plenum. Each inmate compartment shall have a plenum vent with a minimum area of 25 sq. inches, with minimum height of 4". The opening in the rear inmate compartments shall be minimum of 80 sq inches.</p> <p>The air vent shall be securely affixed to the front face of the air plenum under each inmate compartment seat using security screws so vent can be removed if necessary to gain access to inside of plenum for cleaning and/or possible future seat installation.</p> <p>The required vents may be fabricated from 1/8" perforated aluminum sheet with 1/4" holes on 3/8" centres, secured with a minimum of 4 blind rivets and a silicone caulking (to prevent vibration), or equivalent.</p> <p>Suggested solution: Circulate air from the front officer area into the under seat air plenums on each side of the vehicle using reliable, quiet, vibration free, ignition protected hi flow axial fans such as the 9 inch diameter 750 cfm rated Delta model 500-309121IP 12VDC 8.5A "engine room" fan, mounted at front end of each air plenum and configured as a "pusher".</p> <p>See: http://www.go2marine.com/product/203485F/fan-axial-ignition-protected.html for more info.</p>  <p>Or McMaster-Carr 10 inch dia 950 cfm rated Cat # 5159T41.</p>			

6.5 Inmate Compartment Circulation Fans mode of operation:

With the rear heat and A/C units off, the circulation fans shall be variable speed controlled by “single turn rheostat mounted in the Rear Officer Control Panel, such a one shown below:



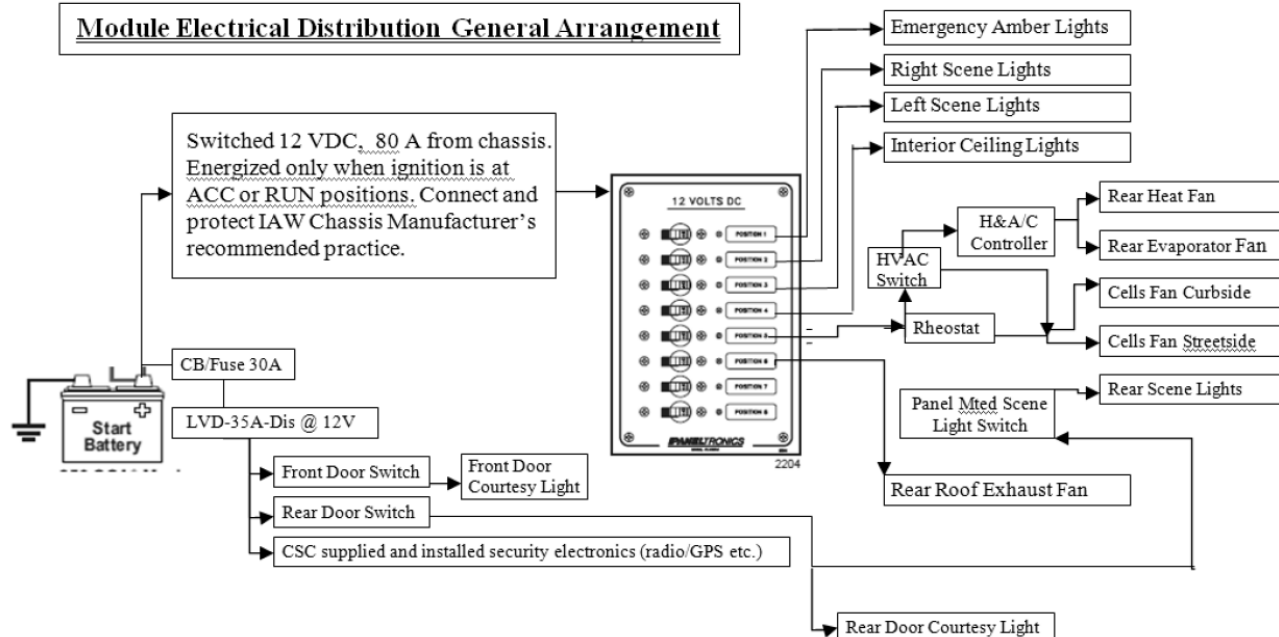
uxcell® Single Turn Resistor 50W 200 Ohm Volume Control Ceramii
Disk Rheostat
by uxcell
★★★★★ 1 customer review
Price: CDN\$ 17.86 FREE SHIPPING.
Only 3 left in stock.
Ships from and sold by discounttown.
Product Name : Rheostat;Material : Ceramic, Metal;Color : As Picture Shown
Power Rating : 50 W;Resistance Value : 200Ω;Mounted Hole Dia : 9.5mm/ 0.37"
Bottom Screw Diameter : 3mm/ 0.12";Bottom Base Diameter : 57mm/ 2.3"
Shaft Size : 40 x 6mm/ 1.6" x 0.24"(L"D);Body Size : 63 x 35mm/ 2.5" x 1.4" (Max D*T)
Net Weight : 160g;Package Content : 1 x Rheostat

However, when the rear heat or rear air units are energized by turning on the HVAC switch, the rheostat shall be bypassed so that the Compartment Circulation fans will both operate at full normal speed.

7.0 Electrical	Y	N	Comments
<p>7.1 Electrical General: All electrical components shall be of a type suitable for motor vehicle or marine use, and installed in accordance with good industry practice including:</p> <ul style="list-style-type: none"> • Primary wire shall be stranded and have cross-linked polyolefin type flame resistant insulation certified as meeting requirements of SAE J1128 (under hood automotive wire rated -50C to 125C) with a standard wall thickness suitable for use where mechanical damage may be a concern, (i.e. type SXL primary wire or equivalent). • Battery Cables shall meet SAE J1127 with Cross-linked Polyolefin insulation (i.e. type SGX or STX or equivalent). • Any jacketed cables used for wiring the module shall have a flame-retardant rated jacketing. • All circuits shall be appropriately protected from electrical shorting or overload by the good practice use of manual reset circuit breakers/switches. • To minimize the possibility of electrical shorts in walls etc., all holes in metal components intended for routing wiring shall as a minimum be de-burred and grommited. Additionally all such wires hidden inside the inmate module structure should also be in jacketed cable, or installed in split loom, or non-metallic conduit. 			
<p>7.2 Module Power distribution System:</p> <p>The unit's module power distribution system shall consist of two separate systems as follows:</p> <ol style="list-style-type: none"> 1. An ignition switched system with loads that are disconnected when the ignition switch is turned to OFF, and 2. A separate system connected direct from battery system through a LVD and circuit breaker with loads that are switched with the module's door switches. The LVD is required to guard battery from discharge in event a door is accidentally left ajar. <p>The ignition switched system is estimated to be a 12 VDC 60A system. It is interlocked with the vehicle ignition system so that it is energized only when the vehicle's ignition is in the ACC or RUN positions. This could be a standard automotive relay in the vehicle's power distribution center if sufficient spare capacity is available, and connected in accordance with the Chassis Manufacturer's recommended practice for such connections.</p> <p>The door switched system connected directly to battery through a circuit breaker and LVD is estimated to require a maximum load of less than 10 amps. The Low Voltage Disconnect Battery Guard is to ensure that sufficient reserve is maintained in the vehicles</p>			

7.0 Electrical	Y	N	Comments		
<p>starting batteries to start vehicle, even if one of the module’s door’s is less ajar so that one of its door switched electrical loads remains on after the engine switched OFF. This LVD may be mounted in the module’s main distribution electrical enclosure, as specified below.</p> <p>The ignition switched system shall consist of:</p> <p>1. a power distribution/breaker panel with a minimum of 8 branch breaker/switches with LED status indicators and backlit labels, as specified below, and</p> <p>2. a control center for the vehicle’s HVAC equipment (rear heater, rear evaporator, inmate compartment air circulation fans, and Rear Scene Lights), as specified below.</p>					
<u>Inmate Module Electrical Load Estimate</u>					
Description	Min Wire Size	Qty	Amps ea	Total Amps	LABEL
Ignition Switched System					
Whelen Emerg Amber M6A (10A CB)	18 ga	6	1	6	“EMERGENCY LIGHTS”
Whelen Curbside Scene Lamps M6ZC (5A CB)	18 ga	2	1.5	3	“RIGHT SCENE LIGHT”
Whelen Streetside Scene Lamps M6ZC (5A CB)	18 ga	2	1.5	3	“LEFT SCENE LIGHT”
Whelen Ceiling Lights 60CREGCS (10A CB)	18 ga	4	1	4	“LIGHTS INTEROR”
9" Inmate compartment circulation fans (30A CB)	16 ga	2	9	18	“CIRCULATION FANS”
Maxxfan Deluxe Roof Ventilator (20A CB)	16 ga	1	9	9	“EXHAUST FAN”
Whisper 7C Heater Fan (HVAC 10A CB)	16 ga	1	9	9	“HVAC2”
Pro-air Model 925 Evaporator					
Spare	n/a				No label
Total Ignition Switched Loads	10 ga			52	
Direct Door Switched LVD protected system	16 ga	To module distribution point.			
Locker lights	18 ga	2	1	2	
Whelen Rear Scene Lamps M6ZC	18 ga	2	2	4	
Door Switched Lights Whelen 60CREGCS	18 ga	2	1	2	
Total Door Switched Loads				8	
Total Estimated Connected Load				60	

Module Electrical Distribution General Arrangement



Notes:

1. The 12 VDC CB Panel, Fan Control Panel, and LVD, shown above may all be combined in a single wall mounted electrical box located above shelf adjacent to the Rear Office Seat.
2. Required legislated motor vehicle Brake/Tail/Signal/Clearance/Back-up/Licence Plate lights etc not shown above.
3. Grounding requirements not shown above.

7.0 Electrical (cont.)

Y N

Comments

7.3 – Module Power Distribution Panel:

The Rear Electrical distribution panel shall be connected as above and:

- a. utilize circuit breaker/switches that combine switching and circuit protection into a single device,
- b. have a minimum of 8 supplied and installed branch circuit breaker positions,
- c. have “ON” indicating LEDs installed in all circuit positions.
- d. have backlit labels, marked similar above.

Such as the Paneltronics 2204 DC Eight Branch Circuit Premier breaker panel, shown below:







Paneltronics 2204 Premier, DC 8 circuit.

<http://www.paneltronics.com/ip.asp?op=Power%20Distribution%20Panels>

7.0 Electrical (cont.)	Y	N	Comments
<p>7.4 Lighting Motor Vehicle Regulated – Tail-Brake-Signal & Clearance Lights: All lighting and reflective devices required by applicable motor vehicle regulations (including the TSD 108) on the inmate module exterior shall be provided, in LED versions, including:</p> <ol style="list-style-type: none"> 1. Front Clearance Lamps (2 – Amber front symmetrical as far apart as practical) (Whelen OSA00MCR surface mount or similar.) 2. Front Identification Lamps –(Exactly 3-Amber spaced 6” to 12” apart high as practical centered on inmate Module above cab) (Whelen OSA00MCR surface mount or similar.) 3. Rear Side Marker Lamps (1-Red per side as far back as practical) (Whelen OSR00MCR surface mount or similar.) 4. Rear side and back Reflectors (1-Red per side as far back as practical, (approximately 1-1/2”H by 5”W) 5. Rear Clearance Lamps (1-Red per corner as high and far apart as practical) (Whelen OSR00MCR surface mount or similar.) 6. Rear Identification Lamps (Exactly 3-Red spaced 6” to 12” apart high as practical centered above door) (Whelen OSR00MCR surface mount or similar.) 7. Rear Tail/STOP Lamps (2 per side (4 total) - Red symmetrically on rear as far apart as practical as shown on drawings) (Whelen M6 Series Linear Super-LED surface mount model M6BTT or similar) 8. Rear Turn Signal/Hazard (2-Amber-Arrow shaped, symmetrically on rear as far apart as practical as shown on drawings) (Whelen M6 Series Linear Super-LED surface mount model M6T or similar). 9. Back-up Lamps (2-White symmetrically on rear as far apart as practical where shown on drawings. (Whelen M6 Series Linear Super-LED surface mount model M6BUW or similar) 10. Licence plate lamp. (minimum 1 LED white), to suit licence plate mounting provisions. <p>In addition to the above, CSC requires side mount turn indicators. If such turn indicators are not incorporated in the chassis’ rear view side mirrors, locate on module sides, near front where shown on drawings, Whelen M2 Wide Angle Series Super-LED surface mount Model M2WA or similar.)</p> <p>Mounting: All surface mounted exterior lights (including auxiliary lighting specified in 3.10 below, shall be appropriately gasketed or otherwise sealed so as to provide a durable weather tight installation</p>			

7.0 Electrical (cont.)	Y	N	Comments
<p>7.5 Lighting Emergency/Scene Operating Lights: In addition to the requirements above, the vehicle shall be equipped with:</p> <ol style="list-style-type: none"> Flashing Amber Warning Lights – Surface mount LED type, 1 each side, and 2 each on both front and rear, (total of 6 required) near top corners of module as shown on drawings. Front caution lights may be incorporated into an over cab fairing at option of Contractor if such optional fairing is part of the finished vehicle. (Whelen M6 Series Linear Super-LED surface mount model M6A or similar). Clear Work/Gradient Scene Lights – LED surface mount gradient scene lights, 2 each side and 2 on rear, (total of 6) in locations shown on drawings (not required on front of module). (Whelen M6 Series Linear Super-LED surface mount model M6ZC or similar, directs light downwards without requiring an angle bracket). <p>All above lighting shall be controlled through the module power distribution panel, except that the two rear scene lights are controlled by distribution panel switch and rear door switch in series so that scene lights will not operate when the rear door is closed on the highway.</p>			
<p>7.6 Lighting, Interior of Inmate Module: The inmate module shall have a minimum of 4 ceiling mounted LED type lights spaced along the length of the inmate module, plus 2 additional lights of the same type, door activated by the side and rear exterior doors.</p> <p>Each of the exterior and interior lockers shall also have fixture switchable door enabled Locker Lights.</p>			
<p>7.6.1 Interior Ceiling Lights: These ceiling lights shall placed as shown on the drawings to alternate from aisle side to aisle side, and where applicable avoid inmate compartment door center areas, all to minimize possibility of lights being hit by heads of people walking through aisle, or into inmate compartments. The front one of these lights shall be off-set to the curbside of the vehicle in order to provide better light distribution in the front officer area.</p> <p>The on/off master switch for these lights shall be included in electrical control panel above the curbside officer side-shelf.</p> <p>The individual interior module lights shall be manually switchable between both off, red, white, or both on modes. Red only mode may be used at night to preserve officer night vision.</p>			

 <p>Such as Whelen 60CREGCS, 12 diode split red/white with dual switches for on/off for each color as shown above. http://www.whelen.com/AUTOMOTIVE/details_prod.php?head_id=12&cat_id=74&prod_id=586</p> <p>Inmate compartment lights: None required. After dark inmate compartment checks will be accomplished by officers shining a flashlight through the in-door viewing panes.</p> <p>During the day, inmate compartments will receive natural light through their exterior windows.</p> <p>At night, some inmate compartment lighting will be provided through the in-door windows when the aisle ceiling lights are on.</p>			
<p>7.7 LVD – A Low Voltage Disconnect shall be fitted in the door controlled light circuits to protect battery against run-down due to the possibility of a door being left ajar. The LVD shall be a compact waterproof unit with a minimum capacity of 20 amps continuous and user adjustable disconnect voltage thresholds such as the Powerwerx LVD-35. Initially the LVD shall be configured to disconnect on battery voltage dropping below 12V. see: http://www.powerwerx.com/emergency-vehicle/dc-low-voltage-disconnect-lvd.html</p>			
<p>8. Miscellaneous Fit-up Requirements</p>	Y	N	Comments
<p>8.1 - Seat for Rear Officer station shall be a single, high back floor mounted in location shown on the drawings, with:</p> <ul style="list-style-type: none"> • high back rigid seat rest • minimum 17 ½” seat width • flip up arm rests, both sides • integral 3-pt (shoulder and lap belts) FMVSS 210 compliant retracting • vinyl covered. <p>Such as a Freedman 3 Point Seat, with:</p> <ul style="list-style-type: none"> • Flip up arm rests, • Newport vinyl #688 Cadet Blue. • floor mount base <p>http://www.freedmanseating.com/seats_and_accessories/passenger_seats/3_point_seat/</p> <p>or</p> <p>E.V.S. Ltd. 1780 attendant seat with:</p> <ul style="list-style-type: none"> • 3 point seat belt option, • blue vinyl • moulded arm rests, and 			

<ul style="list-style-type: none"> floor mount cabinet Base, http://www.evsltd.com/products/1780.html 			
8.2 Secure Gun and Security Equipment Storage: Contractor shall supply and install a commercial gun storage cabinet with storage capacity for at least 4 long guns and an industry standard shelf suitable for the storage of security equipment such as handcuffs, pistols, and ammunition. The dimensions shall be suitable for the installation, approximately 55"H X 21"W X 10"D as shown on the drawings. Cabinet construction shall be compliant with applicable requirements of the Penal Code Section 23665. An example of such a cabinet is the Stack-on Model #GCG-908. See https://www.stack-on.com/categories/security-cabinets/products/69 and as pictured in comments column.			
8.3 Rear-view Back-up Camera: Vehicle shall be fitted with a good quality commercial rear-view back-up camera to enhance rear visibility and assist driver when backing up. Required feature include minimum 5" TFT Wide screen color monitor mounted in suitable location in view of driver in chassis cab, and weatherproof night vision camera, similar to: shown in comments column.			
8.4 Rear-Officer station Cup Holder The rear officer station shall also be fitted with an adjustable folding cup holder installed at a convenient level on the rear corner of the Security Equipment Cabinet such as this folding model available from Amazon see: http://www.amazon.com/Invincible-Marine-Folding-Drink-Holder/dp/B007ZZGCIW/ref=pd_sbs_auto_12			
8.5 Rear Officer Interior Aisle-view Mirror: A mirror is required to be supplied and mounted near roof at the front of the inmate module on the aisle centerline, so that an officer sitting in the rear officer seat can monitor the aisle (with no blind spots either side) without having to get up or look around the corner. Mirror shall be shatter resistant polished aluminum construction, or equivalent, non-glare, high visibility, convex type, 50 sq inch minimum area, rectangle or round (8" min dia), mounted on a ball shaft type mounting bracket at front of Body Module.			
9.0 Loose shipped or Demountable Items:	Y	N	Comments
9.1 Loose or Mounted Deliverables:			

<p>Loose, de-mountable, or consumable items required to be supplied and delivered with the vehicle include:</p> <ul style="list-style-type: none"> • Minimum of two originals or original and at least one copy of all vehicle and inmate module keys and the Gun Locker Keys. • All required documentation, including a copy of the contract with every requirement checked and confirmed by the contracts Quality Assurance representative. Latter must be provided to Technical Authority before delivery of unit. Technical Authority may decide to source inspect units if not satisfied with the QC report. • Full size vehicle spare mounted where shown. • Vehicle jack and tire/lug wrench(es) and any other tools required for safely changing tire shall be mounted in the Roadside Emergency Equipment Locker over the spare tire. • Two 10 lb ABC Dry Chemical Fire Extinguishers, one is required to be mounted in the front curbside corner of the inmate module, and the other on the front face of the locker. (Shown as FEs on the floor plan). The locker mounted extinguisher should be mounted low where it can be reached and accessed by an officer sitting in the chassis passenger seat. • Two emergency tools if required for emergency opening of the roof hatch covers. Required to be painted red to identify as emergency equipment, and mounted in the vicinity of two fire extinguishers in the front curbside corner of module. • Minimum of a half a tank of fuel at time of delivery. • Ten wheelchair style foam seat cushions required. (for the 9 inmate seats plus 1 spare). Minimum 16"x16" by approximately 2" thick, polyurethane foam wheelchair cushions. An acceptable example of this requirement is the Essential Medical Supply Square Wheelchair Cushion Product N1102 currently available from "Metro Medical Online" <p>See: http://www.metromedicalonline.com/n1102.html Vinyl covered foam wheelchair style seat cushions would also acceptable.</p>			
<p>10.0 Documentation:</p>			
<p>10.1 Drawings and Submittal Sheets: Copies of all shop, layout, and general arrangement drawings developed by Contractor specifically for this requirement should be submitted to Technical Authority for review and possible comment prior to being used in manufacture of the vehicle. Submittal sheets or product brochure for any "equivalent to", "similar to" items that are different than the specified example products, or those confirmed as</p>			

equivalent during the pre-award meeting, shall be provided to Technical Authority for Review and confirmation of suitability prior to proceeding with item.			
10.2 Documentation required on delivery: Copies of all available product information, in both official languages where available, shall be organized into a binder and turned over with delivery of vehicle, including: <ul style="list-style-type: none"> • Copy of Chassis NVIS • Bill of Sale or Invoice as required for licensing vehicle. • Chassis and Module Owner and Operating Manuals, • Component Product Manuals and Warranties, including the rear heater and cooling system manuals. • Any available module wiring diagrams. • All available component product submittal sheets. 			
11.0 English/French Familiarization training: Operator training: Upon request, the contractor shall deliver English and/or French operator training sessions dealing with the specific features and capabilities of the vehicle. The training shall cover, at minimum, current operator training procedures, how to operate the features of the vehicle safely and efficiently.			
Bidders are invited to quote available optional equipment not included in the base bid specifications that bidder believes may be of interest, list below, and attach supplementary information as appropriate:			

APPENDIX 1 - TECHNICAL INFORMATION QUESTIONNAIRE

Bidders are required to complete the following questionnaire

- A) This is not a purchase description but rather a generic specifications sheet designed to cover the majority of vehicle purchases in this class. Refer to Annex "B" - Specifications – Secure Escort Vehicles for the Requirements.
- B) Fill out the form where applicable in order to provide details on the units you are offering.
- (1) Cab and Chassis Make: _____ Model: _____ Year: _____
- (2) GVWR _____ lbs. GCWR _____ lbs.
- (3) Dimensions WB: _____ inches CA: _____ inches
- (4) Engine Make: _____ Model: _____
Net HP: _____ HP at _____ RPM
Net torque: _____ lbs. feet at _____ RPM
- (B) Radiator Shutters Make: _____ Model: _____
- (5) Transmission Make: _____ Model: _____ No. of Speeds: _____
- (B) Clutch Type: _____ Size: _____
- (C) Transfer Case Make: _____ Model: _____ Ratio: _____
- (6) Front Axle Make: _____ Model: _____ Capacity: _____ lbs.
- (7) Rear Axle Make: _____ Model: _____
Capacity: _____ lbs. Ratio(s): _____
- (8) Suspension
Capacity at Ground Front: _____ lbs. each Shocks: _____
Rear: _____ lbs. each Shocks: _____
Auxiliary: _____ lbs. each
- (9) Tires Front size: _____ X _____ Ply/PR: _____ Tread: _____
Rear size: _____ X _____ Ply/PR: _____ Tread: _____

-
- Spare size: _____ X _____ Ply/PR: _____ Tread: _____
- (10) Frame Material: _____ RBM: _____ in lbs.
- (B) Reinforcement Type: _____ RBM: _____ in lbs.
- (11) Fuel Tank(s) Qty: _____ Type(s): _____
Capacity (each): _____ Gallons Locations: _____
- (12) Battery(s) Qty: _____ Individual battery rating: _____ CCA
Total capacity: _____ CCA
- (13) Alternator Output: _____ amps
- (14) Steering Type: _____ Model: _____
- (15) Brakes Type: _____ Size Front: _____ Rear: _____
- (B) Compressor Make: _____ Model: _____ Capacity: _____
CFM
- (C) Air Dryer Make: _____ Model: _____
- (D) Moisture Ejector Make: _____ Model: _____
- (16) Seats Driver's Make: _____ Model: _____
Passenger's Make: _____ Model: _____
- (17) Accessories _____
- (18) Instruments _____
- (19) VEHICLE PERFORMANCE (truck at full GVWR)
Geared Top Speed - _____ MPH (SAE J688)

ANNEX C to PART 5, SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with such request by Canada will also render the bid non-responsive or will constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit HRSDC-Labour's website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a federally regulated employer being subject to the *Employment Equity Act*.
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- ☐ A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with HRSDC-Labour.

OR

- ☐ A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to HRSDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to HRSDC-Labour.

B. Check only one of the following:

☐ B1. The Bidder is not a Joint Venture.

OR

☐ B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)