



**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 a Standing Offer  
Demande d'offre à commandes**

National Master Standing Offer (NMSO)  
Offre à commandes principale et nationale (OCPN)

Canada, as represented by the Minister of Public Works and  
Government Services Canada, hereby requests a Standing Offer  
on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et  
Services Gouvernementaux Canada, autorise par la présente,  
une offre à commandes au nom des utilisateurs identifiés  
énumérés ci-après.

**Comments - Commentaires**

**Vendor/Firm Name and Address  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
7B3, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> LED ROOF LIGHT BARS	
<b>Solicitation No. - N° de l'invitation</b> M7594-172479/A	<b>Date</b> 2016-11-07
<b>Client Reference No. - N° de référence du client</b> M7594-172479	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$\$HN-458-71853
<b>File No. - N° de dossier</b> hn458.M7594-172479	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2016-12-19</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST	
<b>Delivery Required - Livraison exigée</b> See Herein	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lee, Carlos	<b>Buyer Id - Id de l'acheteur</b> hn458
<b>Telephone No. - N° de téléphone</b> (819)420-0336 ( )	<b>FAX No. - N° de FAX</b> (819)953-4944
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	
<b>Security - Sécurité</b> This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b>	<b>Facsimile No. - N° de télécopieur</b>
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D-1	As per consigned addresses within Voir adresse des destinataires particuliers	I-1	As per consigned addresses within Voir adresse des destinataires particuliers



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	LED Roof Light Bar - Car As detailed in Annex A - Technical Requirements for LED Light Bar - Car • • • • •	D - 1	I - 1	1	Each	\$	\$		See Herein	
2	LED Roof Light Bar - Trucks As detailed in Annex B - Technical Requirements for LED Light Bar - Trucks	D - 1	I - 1	1	Each	\$	\$		See Herein	

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## **PART 1 - GENERAL INFORMATION**

### **1. Introduction**

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- Part 1: General Information: provides a general description of the requirement;
- Part 2: Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;
- Part 3: Offer Preparation Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;
- Part 4: Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, the security requirement, if applicable, and the basis of selection;
- Part 5: Certifications: includes the certifications to be provided;
- Part 6: Security, Financial and Insurance Requirements: includes specific requirements that must be addressed by offerors; and
- Part 7: 7A, Standing Offer, and 7B, Resulting Contract Clauses:
  - 7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;
  - 7B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the Technical Requirements for both types of LED light bars (Cars and Trucks), the Pricing Schedule, the Standing Offer Usage Reports, the Exchange Rate Fluctuation Claim Form and various appendices associated with the Annex's.

### **2. Summary**

The Royal Canadian Mounted Police (RCMP) has a requirement for a National Individual Standing Offer (NISO) for the supply and delivery of LED (Light Emitting Diode) Traffic Light Bars including operation, installation and maintenance manuals at various locations across Canada, on an "as and when requested" basis, for a period of three (3) years from date of issuance with two (2) one -year extensions

A maximum of two (2) Standing Offer may be issued - one per line item.

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)

### **3. Security Requirements**

There are no security requirements associated with the requirement of the Standing Offer.

### **4. Debriefings**

Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person.

## PART 2 - OFFEROR INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

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

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The [2006](#) (2016-04-04) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Subsection 5.4 of [2006](#), Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) calendar days

Insert: ninety (90) calendar days

#### 1.1 SACC Manual Clauses

Reference	Section	Date
<a href="#">M9033T</a>	Financial Capability	2011-05-16
<a href="#">B1000T</a>	Condition of Material	2014-06-26

#### 1.2 Samples

The Offeror must, upon request from the Standing Offer Authority, provide a sample to the Technical Authority, transportation charges prepaid, and without charge to Canada, within 10 calendar days from the date of request. If the sample does not meet the technical requirements detailed in Annex "A" and Annex "B" or the Offeror fails to comply with the request of the Standing Offer Authority, the offer will be declared non-responsive. Only the lowest compliant offer will be requested to submit a sample for testing.

### 2. Submission of Offers

Offers 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 Request for Standing Offers.

### **3. Enquiries - Request for Standing Offers**

All enquiries must be submitted in writing to the Standing Offer Authority no later than ten (10) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by offerors 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 offerors do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all offerors. Enquiries not submitted in a form that can be distributed to all offerors may not be answered by Canada.

### **4. Applicable Laws**

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, 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 offerors.

## **PART 3 - OFFER PREPARATION INSTRUCTIONS**

### **1. Offer Preparation Instructions**

Canada requests that offerors provide their offer in separately bound sections as follows:

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

Prices must appear in the financial offer only. No prices must be indicated in any other section of the offer.

Canada requests that offerors follow the format instructions described below in the preparation of their offer.

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders are encouraged to:

- 1) use paper containing fibre certified as originating from a sustainably-managed forest and/or 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 Offer**

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

#### **Section II: Financial Offer**

Offerors must submit their financial offer in accordance with the Pricing Basis below. The total amount of Applicable Taxes must be shown separately.

##### **1.1 Pricing - Multi-Item Offer**

Offerors do not have to quote a price for every item in the Request for Standing Offer in order to be evaluated. Offerors may withdraw one or more items after the Request for Standing Offer closing date but prior to the issuance of a Standing Offer award by advising in writing the Standing Offer Authority.

## **1.2 Payment of Invoices by Credit Card**

Canada requests that offerors accept Government of Canada Acquisition Cards (credit cards) for payment of invoices.

## **1.3 Pricing Basis**

The offeror must quote firm unit prices in Canadian dollars, DDP Delivered Duty Paid (destination), Applicable Taxes extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included.

## **1.4 Exchange Rate Fluctuation**

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form [PWGSC-TPSGC 450](#), Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form [PWGSC-TPSGC 450](#), 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**

Offerors must submit the certifications required under Part 5.

**Section IV: Additional Information**

**1.5 Offeror Contacts**

Name and telephone number of the person responsible for :

**Call-ups:**

Name:

Telephone:

Facsimile:

E-mail:

**Delivery follow-up**

Name:

Telephone:

Facsimile:

E-mail:

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

### **1. Evaluation Procedures**

- a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.
- b) An evaluation team composed of representatives of Canada will evaluate the offers.

### **Evaluation Criteria**

All offers must be completed in full and provide all of the information requested in the RFSO document to enable full and complete evaluation.

#### **1.1.1 Technical Evaluation**

##### **Two Step Bid Evaluation Process**

###### **a. Introduction**

Canada is conducting a two-step bid evaluation process for this requirement. Step 1 consists of an evaluation of all bids and, if necessary, the release of a Preliminary Evaluation Report to all Bidders. Step 2 consists of an evaluation of the Bidders responses to the Preliminary Evaluation Report (or "Report"). Only those bids deemed to be responsive at the completion of Step 2 will be fully evaluated to select the successful proposal.

###### **b. Step 1,**

- i. Following receipt of Bids, carry out an initial review of all parts of the bids and generate a Preliminary Evaluation Report, in accordance with the following:
  1. Canada will identify any instances where a Bidder has failed to submit a required certification or proof of compliance or where a submitted document lacks the requisite signature(s).
  2. Canada's initial review of price(s) will be limited to identifying whether required financial data is missing from the bid or whether or not GST/HST amounts are not separately.
  3. The Report shall list only the instances where the bid is non-responsive to the requirements of the bid solicitation and the applicable solicitation references.

- ii. After this initial review, if any bid is determined to be non-responsive in accordance with the review parameters noted above, the Contracting Authority will;
    - 1. provide each Bidder with a Report.
    - 2. Bidders whose bids are considered to be non-responsive will be invited by the Contracting Authority to submit additional or different information to demonstrate to Canada, in accordance with the solicitation, that the bid is compliant with the solicitation requirements. Except as expressly permitted above, information submitted for any other line item or category will not be considered nor will submitted information be used to evaluate any other section of a Bidder's bid or the solicitation requirement.
  - iii. For Bidders whose bids are considered to be responsive, the Report will only identify that they are responsive for the mandatory requirements evaluated.
  - iv. If all bids are determined to be responsive, no Preliminary Evaluation Reports will be issued and the Contracting Authority will complete the full bid evaluation, including the Financial Bid evaluation, using the original bid documents submitted.
- c. Step 2
- i. All Bidders are requested to provide written confirmation of receipt of the Report to the Contracting Authority. Bidders who do not confirm receipt will be deemed to have received the Report as of the date issued by Canada.
  - ii. Only non-responsive Bidders shall submit further information in response to the Report in accordance with the following;
    - 1. The Bidder's response to the Report must follow the Bid Preparation Instructions (such as, for example, separating financial information from other information as required). Canada requests that Bidders clearly indicate, for each response, which non-responsive requirement identified in the Report is being responded to.

2. Responses to the Report must be submitted to the Contracting Authority on or before the date and time specified in the Report. Failure to do so will result in the bid being deemed non-responsive and the bid will receive no further consideration.
3. Information submitted by non-responsive Bidders in response to the Report and accepted by Canada will be deemed to replace, in full, only the non-responsive information or response in the Bidder's original bid as identified in the Report and will be used for the remainder of the bid evaluation process.
4. Where the price for a required line item has been left blank, only the missing information may be added to the Financial Bid for Step 2, except that, in those instances where the addition of such information will necessarily result in a change to other pricing or cost information previously submitted as a result of calculations required by the solicitation (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Bidder and only these adjustments shall be made. Any other changes to the Bid shall be considered to be new information and will be disregarded.
5. Any adjustments to a non-responsive bid are at the Bidder's sole discretion and will be made solely by the Bidder. Canada will not provide information about any other bid or any information as to how a Bidder should complete its response, if any, to the Report. Bidders are and will remain solely responsible for the accuracy and completeness of their bids and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying errors or omissions in bids submitted nor does Canada undertake to identify any or all such errors or omissions. Bidders are and will remain solely responsible for ensuring consistency of the information submitted in their bids at all times. Without limiting the foregoing, bidders are and will remain solely responsible for ensuring that any information provided in response to the Report is consistent with any other information originally submitted in their bid in response to other requirements. Failure to do so may prejudice the evaluation of previously submitted information and/or render the bid non-responsive.

6. For those instances where a Bidder chooses not to submit additional or different information for a requirement identified as non-responsive in the Report, the Bidder must submit a response indicating “No Change” for such requirement and the original response for that item will continue to apply. If a Bidder does not respond to a requirement identified as non-responsive, the Bidder will be deemed to have provided a “No Change” response and the original response for that item will continue to apply.
- d. Once a Preliminary Evaluation Report has been issued and non-responsive Bidders have submitted further information in response to the Report:
    - i. Canada will conduct a final review of the non-responsive requirements listed in the Report provided to each Bidder, taking into account the additional or different information submitted, to determine if these requirements have been met as required in the solicitation. Should one or more of the requirements initially evaluated as non-responsive continue to be evaluated as non-responsive after review of the additional or different information, the bid will be deemed non-responsive and will not be given any further consideration. The bid will also be evaluated as non-responsive if the additional or different information submitted renders non-responsive any other mandatory requirements.
    - ii. Bids that have demonstrated responsiveness at the conclusion of the final review of all mandatory requirements will continue to be evaluated at Step
  - e. Canada will conduct a full review and evaluation of the Financial Bids for those Bidders, whose bids have demonstrated responsiveness at the conclusion of the final review of all mandatory requirements.

### **1.1.2 Mandatory Technical Criteria**

The following **Mandatory** factors will be taken into consideration in the evaluation of each offer:

- . Integrity Provisions - Declaration of Convicted Offences as specified in Part 5
- . Technical compliance (description of items in Annex A and Annex B);
- . Simply stating a compliancy to a criteria is insufficient. Bidders must present a clearly organized, printed (i.e., not handwritten) proposal that includes all necessary technical and descriptive literature, in order to clearly demonstrate their compliancy to all items presented in the Technical Requirements at Annex "A" and Annex "B".
- . Acceptance of terms and conditions as mentioned in the RFSO;
- . Compliance with the pricing basis;
- . Completion of the information requested in the RFSO
- . Acceptance of Disclosure of Information clause in 2005 - General Conditions - Standing Offers - Goods

### **1.1.3 Financial Evaluation**

The following **Mandatory** factors will be taken into consideration in the evaluation of each offer:

Compliance with Pricing Basis and with Annex "C" - Pricing Schedule;

The Offer price will be determined as follows:

Line item 1: (Sum of years 1, 2 and 3 and option 1 & 2) divided by number of potential years (5).

Line item 2: (Sum of years 1, 2 and 3 and option 1 & 2) divided by number of potential years (5).

## **1.2 Conditions/Certifications Precedent to Contract**

Federal Contractors Program for Employment Equity as specified in Part 5  
Financial Capability as specified at Part 2, 1.1

## **2. Basis of Selection**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest average unit price (as per Annex "C"), on an item by item basis, will be recommended for award of a Standing Offer.

## **PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION**

Offerors must provide the required certifications and additional information to be issued a standing offer.

The certifications provided by Offerors to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a contractor in default if any certification made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offeror's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Standing Offer Authority will render the offer non-responsive, result in the setting aside of the Standing Offer or constitute a default under the Contract.

### **1. Certifications Required with the Offer**

Offerors must submit the following duly completed certifications as part of their offer.

#### **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) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Offeror must provide with its offer the required documentation, as applicable), to be given further consideration in the procurement process.

### **2. Mandatory Certifications Precedent to the Issuance of a Standing Offer and Additional Information**

The certifications and additional information listed below should be submitted with the offer, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Standing Offer Authority will inform the Offeror 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 offer non-responsive.

#### **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) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Offeror must provide the required documentation, as applicable, to be given further consideration in the procurement process.

## 2.2 Federal Contractors Program for Employment Equity - Standing Offer Certification

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror 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-Labour's website](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969) ([http://www.esdc.gc.ca/en/jobs/workplace/human\\_rights/employment\\_equity/federal\\_contractor\\_program.page?&\\_ga=1.229006812.1158694905.1413548969](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 an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the “FCP Limited Eligibility to Bid” list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

Canada will also have the right to terminate the Call-up 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 Offeror must provide the Standing Offer Authority with a completed annex [Federal Contractors Program for Employment Equity - Certification](#), before the issuance of a Standing Offer. If the Offeror is a Joint Venture, the Offeror must provide the Standing Offer Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

## 2.3 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.

<b>Green Practices within the Bidders' organization</b>	<b>Insert a checkmark for each criterion that is met</b>
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 - STANDING OFFER AND RESULTING CONTRACT CLAUSES**

### **A. STANDING OFFER**

#### **1. Offer**

- 1.1** The Offeror offers to fulfill the requirement in accordance with the Requirement at Annex "A" and Annex "B".

#### **2. Security Requirements**

There is no security requirement applicable to this Standing Offer.

#### **3. Standard Clauses and Conditions**

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

##### **3.1 General Conditions**

[2005](#) (2016-04-04) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

##### **3.2 Standing Offers Reporting**

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases, including those paid for by a Government of Canada Acquisition Card.

The Offeror must provide this data in accordance with the reporting requirements detailed in Annex "D". If some data is not available, the reason must be indicated. If no goods or services are provided during a given period, the Offeror must still provide a "nil" report.

The data must be submitted on a *quarterly basis* to the Standing Offer Authority.

The quarterly reporting periods are defined as follows:

- 1) 1st quarter: April 1 to June 30;
- 2) 2nd quarter: July 1 to September 30;
- 3) 3rd quarter: October 1 to December 31;
- 4) 4th quarter: January 1 to March 31.

The data must be submitted to the Standing Offer Authority no later than **ten (10)** calendar days after the end of the reporting period.

#### **4. Term of Standing Offer**

##### **4.1 Period of the Standing Offer**

The period for making call-ups against the Standing Offer is from \_\_\_\_\_ to \_\_\_\_\_.

##### **4.2 Extension of Standing Offer**

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer for an additional two (2) one year periods, from \_\_\_\_\_ to \_\_\_\_\_ and from \_\_\_\_\_ to \_\_\_\_\_ under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority 30 days before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

#### **5. Authorities**

##### **5.1 Standing Offer Authority**

The Standing Offer Authority is:

**Carlos Lee – Supply Specialist**

Public Works and Government Services Canada - Acquisitions Branch  
Logistics, Electrical, Fuel and Transportation Directorate - "HN" Division  
7B3, Place du Portage, Phase III, 11 Laurier Street, Gatineau, QC, K1A 0S5  
Telephone: (819) 420-0336 Facsimile: (819) 953-4944  
E-mail address: [Carlos.lee@pwgsc-tpsgc.gc.ca](mailto:Carlos.lee@pwgsc-tpsgc.gc.ca)

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Standing Offer Authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

## **5.2 Offeror's Representative**

Name and telephone number of the person responsible for :  
(will be inserted at issuance of standing offer)

### **Call-ups:**

Name:

Telephone: (xxx) xxx-xxxx Facsimile: (xxx) xxx-xxxx

E-mail:

### **Delivery follow-up**

Name:

Telephone: (xxx) xxx-xxxx Facsimile: (xxx) xxx-xxxx

E-mail:

## **6. Identified Users**

The Identified User authorized to make call-ups against the Standing Offer is the Royal Canadian Mounted Police (RCMP)

The Standing Offer Authority reserves the right to modify Article 6, Identified Users, to include other jurisdictional governments (provincial, municipal, territorial etc.) if it becomes required.

## **7. Call-up Instrument**

The Work will be authorized or confirmed by the Identified User(s) using form PWGSC-TPSGC 942, Call-up Against a Standing Offer.

## **8. Limitation of Call-ups**

Individual call-ups against this Standing Offer must not exceed \$400,000.00 (Goods and Services Tax or Harmonized Sales Tax included).

Individual requirements exceeding the above amount of \$400,000.00 will be submitted to PWGSC in a funded requisition for processing as a separate requirement. Requirements shall not be broken into a number of call-ups for the purpose of requisitioning pursuant to the standing offer.

## **9. Financial Limitation**

The total cost to Canada resulting from call-ups against the Standing Offer must not exceed the total estimated cost unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call-ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or 4 months before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

## **10. Priority of Documents**

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

- a) the call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer;
- c) the general conditions [2005](#) (2016-04-04), General Conditions - Standing Offers - Goods or Services
- d) the general conditions [2010A](#) (2016-04-04) General Conditions - Goods, (Medium Complexity);
- e) Annex A - Technical Requirement for LED Lightbar – Car
- f) Annex B - Technical Requirement for LED Lightbar – Truck;
- g) Annex C – Pricing Schedule
- h) Annex D – Standing Offer Quarterly Usage Report
- i) Annex E - Claim for Exchange rate adjustment
- j) the Offeror's offer \_\_\_\_\_,

## **11. Certifications - Compliance**

Compliance with the certifications and related documentation provided by the Offeror is a condition of authorization of the Standing Offer and subject to verification by Canada during the term of the Standing Offer and of any resulting contract that would continue beyond the period of the Standing Offer. In the event that the Offeror does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

## **12. Applicable Laws**

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in [Ontario](#).

**B. RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

**1. Requirement**

The Contractor must provide the items detailed in the call-up against the Standing Offer.

**2. Standard Clauses and Conditions**

**2.1 General Conditions**

[2010A](#) (2016-04-04) General Conditions - Goods (Medium Complexity) apply to and form part of the Contract.

**2.2 SACC Manual Clauses**

<b>SACC Reference</b>	<b>Section</b>	<b>Date</b>
<a href="#">B1501C</a>	Electrical Equipment	2006-06-16
<a href="#">B7500C</a>	Excess Goods	2006-06-16

**3. Term of Contract**

**3.1 Delivery Date**

Delivery must be completed in accordance with the call-up against the Standing Offer.

**4. Payment**

**4.1 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 the Contract. Customs duties are **included** and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

## **4.2 Limitation of Expenditure**

1. Canada's total liability to the Contractor under the Contract must not exceed the total estimated cost. Customs duties are *included* and Applicable Taxes extra, if applicable.
2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Standing Offer Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Standing Offer Authority. The Contractor must notify the Standing Offer Authority in writing as to the adequacy of this sum:
  - a. when it is 75 percent committed, or
  - b. four (4) months before the contract expiry date, or
  - c. as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work,

whichever comes first.

3. If the notification is for inadequate contract funds, the Contractor must provide to the Standing Offer Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

## **4.3 Multiple Payments**

SACC Manual clause [H1001C](#) (2008-05-12) Multiple Payments

## **4.4 Payment by Credit Card**

The following credit cards are accepted: \_\_\_\_\_ and \_\_\_\_\_.

#### 4.5 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:  
Adjustment = FCC x Qty x ( i1 - i0 ) / i0  
where formula variables correspond to:
  - FCC: Foreign Currency Component (per unit)
  - i0: Initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])
  - i1: 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 noon rate as published by the Bank of Canada on the solicitation closing date.
5. For goods, the exchange rate for adjustment will be the noon rate as published by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be the noon rate 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 noon rate on the date the payment was due. The most recent noon rate 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 [ i1 - i0 ) / i0]).
8. Canada reserves the right to audit any revision to costs and prices under this clause.

**5. Invoicing Instructions**

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.
2. Invoices must be distributed as follows:
  - (a) as per the detailed instructions in the standing offer; or
  - (b) the address shown in the “ship to block” on the Call-up Against a Standing Offer form; or
  - (c) as indicated in the “special instructions” block on the Call-up Against a Standing Offer form.

**6. Insurance**

SACC Manual clause [G1005C](#) (2016-01-28) Insurance

**7. SACC Manual Clauses (Delivery)**

<b>SACC</b>	<b>Section</b>	<b>Date</b>
<a href="#">D2000C</a>	Marking	2007-11-30
<a href="#">D2001C</a>	Labelling	2007-11-30
<a href="#">D6010C</a>	Palletization	2007-11-30
<a href="#">D9002C</a>	Incomplete Assemblies	2007-11-30

**7.1 Shipping Instructions - Delivery at Destination**

Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) (*Destination*) Inco terms 2000 for shipments from a commercial contractor.

# Annex A - Technical Requirement for LED Light Bar-Car

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## TECHNICAL REQUIREMENT

The Royal Canadian Mounted Police (RCMP) has a requirement, to supply and deliver an estimate of 740 L.E.D. (Light Emitting Diode) traffic light bars for car applications to various RCMP locations across Canada over a 5 year period.

The Traffic Light Bar must be in accordance with the following mandatory technical requirements with **clear identification by section and page number** in their response of their demonstration of compliance:

- 1 The L.E.D. light bar **must** have an aluminum base that mounts to the police vehicle and support the housing that contains all the electronics components.
- 2 The light bar **must** have a cable at least 3 metres in length which enters the light bar from the bottom of the assembly. It should be connectorized to ease replacement while mounted on vehicle
- 3 The light bar **must** contain no moving parts, no motorized parts and no relays.
- 4 The light bar **must** not draw more than **10 amps** excluding the side alley lights and take down lights when the RED/BLUE modules are flashing at a 50% duty cycle and tested at 12.8VDC.
- 5 The controller **must** have the capability to flash the LED takedown lights.
- 6 The light bar **must** be capable of operating in the temperature range of -30 degrees Celsius to +60 degrees Celsius.
- 7 The L.E.D. light bar **must** be compatible with the Whelen Cencom Gold Siren and Light Control System.

### Light Bar Configuration:

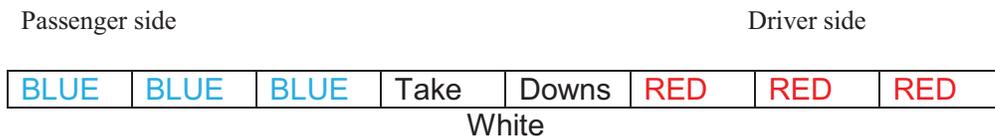


Figure 1 FRONT VIEW



Figure 2 REAR VIEW

## Annex A - Technical Requirement for LED Light Bar-Car

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8. The light bar **must** be minimum of 43.0 inches to a maximum of 45.0 inches in *length* to fit on a variety of FORD , GM and Chrysler vehicles that RCMP use for policing. Specify which length you are responding with. These vehicles include but not limited to the Crown Victoria, Interceptor, Impala, Caprice and Charger. Roof mounting hardware is to be included to suit above vehicle types without any drilling into vehicle roofs.
9. The height of the light bar must not be greater than 2.5 inches and the width must not be greater than 13.5 inches.
10. The light bar must be **fully** populated with RED modules installed only on the half of the driver side of the light bar. The modules must cover the *front*, the *end* and the *rear* driver side of the light bar with no open (or non LED populated) module positions. See Figure 1 and Figure 2.
11. The light bar must be **fully** populated with BLUE modules installed only on the half of the passenger side of the light bar. The modules must cover the *front*, the *side* and the *rear* passenger *side* of the light bar with no open (or non LED populated) module positions. See Figure 1 and Figure 2.
12. The light bar **must** have two (2) LED white *take down* modules installed in the front and centered in the light bar. The optical power of these modules must meet or exceed the optical power of a 35W halogen bulb. Test results must be provided that demonstrated this optical performance.
13. The light bar **must** have two (2) LED white *alley* light modules, one installed at each end of the light bar facing the sides. The optical power of these modules must meet or exceed the optical power of a 35W halogen bulb. Test results must be provided that demonstrated this optical performance.
14. The internal electronic control board **must** be capable of providing a minimum of eight flash patterns and eight flash rates with a set of default settings chosen by the RCMP being factory set before shipping.

### **Optical Power:**

15. The light bar **must** have one multi pin connector pair male/female per module to connect and disconnect the L.E.D. modules to replace or service them.
16. The Offeror **must** demonstrate that the internal electronic control boards are potted in an epoxy liquid applied over the circuit board covering all components. The coating **must** protect the electrical circuit from moisture, dust and impact damage.
- 16 a) If available provide Ingress Protection (IP) rating of the lightbar.
17. The L.E.D. light bar **must** provide two (2) optical power levels. One optical power labeled **Level A** to operate during the day and a second optical power labeled **Level B** to operate during the night.

## Annex A - Technical Requirement for LED Light Bar-Car

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18. The L.E.D. light bar optical power **Level A** for the day use **must** exceed the minimum levels for Zone measurements and Individual test point locations shall not be less than 60% of the individual levels defined in the table attached at Appendix 1 “OPTICAL POWER TABLE” CLASS 1-2X and measured as per the SAE J595 at 60 feet.
19. The L.E.D. light bar optical power **Level B** for the night use **must** be lower than the Level A and greater than the SAE J595 Class 1 minimum levels. Zone measurements must meet or exceed Zone levels and Individual test point locations shall not be less than 60% of the individual levels.
20. The L.E.D. light bar **must** provide one input that provides the capability to switch between light **Level A** and light **Level B**.
21. One (1) output from the Whelen Cencom Siren and Light Control System must be capable to connect to the dimmer control input of the L.E.D. light bar to switch between the light Level A and the light Level B.
22. The L.E.D. light bar **must** have a minimum optical power of 200,000 (candela-seconds/Minutes) in Zone B **and** in Zone D measured as per the SAE J2498 at sixty (60) feet defined as the “Minimum Optical Power Requirement for Large Emergency Vehicles Mode of Operation- Clearing the Right-of-way”. The measurements in Zone B and in Zone D must not include the alley lights.
23. The L.E.D. light bar **must** not interfere or degrade the RCMP police radio’s sensitivity by more than 2 db SINAD. The lowest compliant bidder must submit a production sample for testing to confirm this criteria prior to issuance of the standing offer. The Contract Authority will contact the lowest compliant bidder for the sample.

### **Warranty:**

24. The supplier **must** provide a minimum three (3) year warranty that must cover all parts excluding LED modules which is a minimum five (5) years: The warranty must also cover the L.E.D. module optical power as per their manufacture’s specifications and warranty against accumulation of internal condensation.
25. The supplier is responsible to replace or repair the defective items at the respondent’s expense including the shipping charges and labor charges.

### **After Sale Service and Labeling:**

26. The supplier **must** have a minimum of two (2) Canadian service centers; one service center located in the Atlantic Region and one service center located in the North West Region or the Pacific Region. The Atlantic region is defined as Newfoundland, Nova Scotia, New Brunswick & P.E.I. The North West region is defined as Alberta, Saskatchewan, Manitoba and the North Territories. The Pacific region is defined as British Columbia.
27. The supplier **must** provide with the response document detailed addresses and person of contact for all service centers.

## Annex A - Technical Requirement for LED Light Bar-Car

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28. The one service center **must** be capable of handling custom clearance to deliver the L.E.D. light bars to and from the manufacturer to all RCMP locations listed in Appendix 2.
29. Lightbar must have serial number, date and build lot information on unit and shipping box to aid in locating manufacturing defects and warranty issues. Information should be alpha numeric and bar coded.

### **ISO9001 Certification:**

30. The Offeror must demonstrate that the LED Light Bar manufacture is ISO9001-2008 certified or equivalent.

# Annex A - Technical Requirement for LED Light Bar-Car

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## APPENDIX 1

### OPTICAL POWER TABLE: measurements in (CANDELA-SECONDS/MINUTES)

ZONES	CLASS 1-2X RED/BLUE
10.00U-5.00L	960
10.00U-V	2400
10.00U-5.00R	960
5.00U-20.00L	960
5.00-10.00L	2400
5.00U-5.00L	4800
5.00U-V	7200
5.00U-5.00R	4800
5.00U-10.00R	2400
5.00-20.00R	960
H-20.00L	1440
H-10.00L	3600
H-5.00L	9600
H-L	14400
H-5.00R	9600
H-10.00R	3600
H-20.00R	1440
5.00D-20.00L	960
5.00D-10.00L	2400
5.00D-5.00L	4800
5.00D-V	7200
5.00D-5.00R	4800
5.00D-10.00R	2400
5.00D-20.00R	960
10.00D-5.00L	960
10.00D-V	2400
10.00D-5.00R	960

## Annex A - Technical Requirement for LED Light Bar-Car

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### **OPTICAL POWER TABLE: (cont'd) (CANDELA-SECONDS/MINUTES)**

ZONES	CLASS 1-2X RED/BLUE
5.0U-10.00L	7200
5.00U-20.00L	7200
H-20.00L	7200
5.00D-20.00L	7200
H-20.00L	7200
5.00D-20.00L	7200
10.00U-5.00L	3840
10.00U.V	3840
10.00U-5.00R	3840
5.00U-5.00L	12000
H-10.00L	12000
5.00D-5.00L	12000
5.00U-V	43200
H-5.00L	43200
H-V	43200
H-5.00R	43200
5.00D-V	43200
5.00U-5.00R	12000
H-10.00R	12000
5.00D-10.00R	12000
10.00D-5.00L	3840
10.00D-V	3840
10.00D-5.00R	3840
5.00U-10.00R	7200
5.00U-20.00R	7200
H-20.00	7200
5.00D-20.00R	7200
5.00D-10.00R	7200

## Annex A - Technical Requirement for LED Light Bar-Car

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### APPENDIX 2

#### **DELIVERY ADDRESSES:**

##### **“A” Division**

RCMP Post Garage  
1426 Joseph Blvd.  
Orleans, Ontario  
K1A 0R2

##### **“B” Division**

RCMP, Stores  
100 East White Hills Road  
P.O. Box 9700 Station B  
St. John’s, Newfoundland  
A1A 3T5

##### **“C” Division**

RCMP Telecoms Workshop  
4225 Dorchester Blvd., West  
Westmount, Quebec  
H3Z 1V5

##### **‘D’ Division**

RCMP, Post Garage  
1091 Portage Avenue  
Winnipeg, Manitoba  
R3C 3K2

##### **“E” Division**

RCMP, Post Garage  
1101 Calais Crescent  
Chilliwack, BC  
V2R 5S7

##### **“F” Division**

RCMP, Post garage  
6101 Dewdney Drive  
Regina, Saskatchewan  
S4P 3K7

##### **“H” Division**

RCMP, Division Stores  
80 Garland Ave  
Dartmouth, Nova Scotia  
B3B 0A7

## Annex A - Technical Requirement for LED Light Bar-Car

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### **“J” Division**

RCMP, Division Stores  
1445 Regent Street  
Fredericton, N.B.  
E3B 4Z8

### **“K ” Division**

RCMP Post Garage  
11136 – 109<sup>th</sup> Street  
Edmonton, Alberta  
T5G 2T4

### **“South K” Division**

RCMP Post Garage  
920 16 Ave. NE  
Calgary, Alberta  
T2E 1K0

### **“O” Division**

RCMP, Post Garage  
345 Harry Walker Parkway, South  
Newmarket, Ontario  
L3Y 8P6

## Annex A - Technical Requirement for LED Light Bar-Car

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### APPENDIX 3

#### DOCUMENTATION AND INFORMATION TO BE PROVIDED WITH YOUR OFFER

##### Documents:

1. The Offeror **must** include in the response document the measured radio disturbance report as per CISPR25 from an accredited laboratory.
2. The Offeror **must** include in the response document the measured photometric optical power report as per **SAE J595** for the RED L.E.D. modules, BLUE L.E.D. modules the white take down modules and the white alley modules from an accredited laboratory. Measurements within the report must be rated at 60 feet.
3. The Offeror **must** include in the response document the measured photometric optical power report as per **SAE J2498** from an accredited laboratory. Measurements within the report must be rated at 60 feet.
4. The Offeror **must** include in the response document the blue, red and amber color compliance as per **SAE J578** from an accredited laboratory.
5. The Offeror **must** include in the response document the light bar *operator* manual.
6. The Offeror **must** include in the response document the light bar *installation* and *maintenance* manual.
7. The Offeror **must** include in the response document the *schematic* diagrams complete with component identification for the main internal electronic control boards.
8. The Offeror **must** include in the response document *schematic* diagrams complete with component identification for the L.E.D. modules electronic control boards.
9. The Offeror **must** include in the response document the light bar *internal* cabling and interconnect diagrams.
10. The Offeror **must** include in the response document the light bar *external* cabling and interconnect diagrams.
11. Proof of accreditation must be provided for all accredited lab report sources.

##### SAE Compliance:

1. The Offeror **must** provide a statement of compliance as per **SAE J575** vibration rated for 6 hours @ 1.8g with frequency 10 to 250 Hz for the L.E.D. light bar from an accredited lab report.
2. The Offeror **must** provide a statement of compliance as per **CISP25** rated at Class 2 or better for the L.E.D. light bar from an accredited lab report.
3. The Offeror **must** provide a statement of compliance as per **SAE J578** for the L.E.D. modules from an accredited lab report.

## Annex A - Technical Requirement for LED Light Bar-Car

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### APPENDIX 4 - Compliancy Table

Technical Requirements Section	Meet	NOT Meet
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<b>Appendix 3 Documents</b>		
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Annex A - Technical Requirement for LED Light Bar-Car

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11		
<b>Appendix 3 SAE Approvals</b>		
1		
2		
3		

# ANNEX B - Technical Requirement for LED Light Bar-Truck

## TECHNICAL REQUIREMENT

The Royal Canadian Mounted Police (RCMP) has a requirement, to supply and deliver an estimate of 910 L.E.D. (Light Emitting Diode) traffic light bars for truck applications to various RCMP locations across Canada over a 5 year period.

The Traffic Light Bar must be in accordance with the following mandatory technical requirements with **clear identification by section and page number** in their response of their demonstration of compliance:

- 1 The L.E.D. light bar **must** have an aluminum base that mounts to the police vehicle and support the housing that contains all the electronics components.
- 2 The light bar **must** have a cable at least 3 metres in length which enters the light bar from the bottom of the assembly. It should be connectorized to ease replacement while mounted on vehicle
- 3 The light bar **must** contain no moving parts, no motorized parts and no relays.
- 4 The light bar **must** not draw more than **10 amps** excluding the side alley lights and take down lights when the RED/BLUE modules are flashing at a 50% duty cycle and tested at 12.8VDC.
- 5 The controller **must** have the capability to flash the LED takedown lights.
- 6 The light bar **must** be capable of operating in the temperature range of -30 degrees Celsius to +60 degrees Celsius.
- 7 The L.E.D. light bar **must** be compatible with the Whelen Cencom Gold Siren and Light Control System.

### Light Bar Configuration:

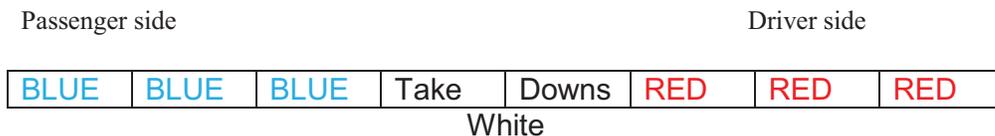


Figure 1 Front View



Figure 2 REAR VIEW

## ANNEX B - Technical Requirement for LED Light Bar-Truck

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8. The light bar **must** be minimum of 50.0 inches to a maximum of 56.0 inches in **length** to fit on a variety of FORD , GM and Chrysler vehicles that RCMP use for policing. Specify which length you are responding with. These vehicles include GM Suburban/Yukon XL, Sierra, Tahoe/Yukon and Ford F150/F250 and Expedition. Roof mounting hardware is to be included to suit above vehicle types without any drilling into vehicle roofs.
9. The height of the light bar must not be greater than 2.5 inches and the width must not be greater than 13.5 inches.
10. The light bar must be **fully** populated with RED modules installed only on the half of the driver side of the light bar. The modules must cover the **front**, the **end** and the **rear** driver side of the light bar with no open (or non LED populated) module positions. See Figure 1 and Figure 2.
11. The light bar must be **fully** populated with BLUE modules installed only on the half of the passenger side of the light bar. The modules must cover the **front**, the **side** and the **rear** passenger **side** of the light bar with no open (or non LED populated) module positions. See Figure 1 and Figure 2.
12. The light bar **must** have two (2) LED white **take down** modules installed in the front and centered in the light bar. The optical power of these modules must meet or exceed the optical power of a 35W halogen bulb. Test results must be provided that demonstrated this optical performance.
13. The light bar **must** have two (2) LED white **alley** light modules, one installed at each end of the light bar facing the sides. The optical power of these modules must meet or exceed the optical power of a 35W halogen bulb. Test results must be provided that demonstrated this optical performance.
14. The internal electronic control board **must** be capable of providing a minimum of eight flash patterns and eight flash rates with a set of default settings chosen by the RCMP being factory set before shipping.

### **Optical Power:**

15. The light bar **must** have one multi pin connector pair male/female per module to connect and disconnect the L.E.D. modules to replace or service them.
16. The Offeror **must** demonstrate that the internal electronic control boards are potted in an epoxy liquid applied over the circuit board covering all components. The coating **must** protect the electrical circuit from moisture, dust and impact damage.
- 16 a) If available provide Ingress Protection (IP) rating of the lightbar.
17. The L.E.D. light bar **must** provide two (2) optical power levels. One optical power labeled **Level A** to operate during the day and a second optical power labeled **Level B** to operate during the night.

## ANNEX B - Technical Requirement for LED Light Bar-Truck

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18. The L.E.D. light bar optical power **Level A** for the day use **must** exceed the minimum levels for Zone measurements and Individual test point locations shall not be less than 60% of the individual levels defined in the table attached at Appendix 5 “OPTICAL POWER TABLE” CLASS 1-2X and measured as per the SAE J595 at 60 feet.
19. The L.E.D. light bar optical power **Level B** for the night use **must** be lower than the Level A and greater than the SAE J595 Class 1 minimum levels. Zone measurements must meet or exceed Zone levels and Individual test point locations shall not be less than 60% of the individual levels.
20. The L.E.D. light bar **must** provide one input that provides the capability to switch between light **Level A** and light **Level B**.
21. One (1) output from the Whelen Cencom Siren and Light Control System must be capable to connect to the dimmer control input of the L.E.D. light bar to switch between the light Level A and the light Level B.
22. The L.E.D. light bar **must** have a minimum optical power of 200,000 (candela-seconds/Minutes) in Zone B **and** in Zone D measured as per the SAE J2498 at sixty (60) feet defined as the “Minimum Optical Power Requirement for Large Emergency Vehicles Mode of Operation- Clearing the Right-of-way”. The measurements in Zone B and in Zone D must not include the alley lights.
23. The L.E.D. light bar **must** not interfere or degrade the RCMP police radio’s sensitivity by more than 2 db SINAD. The lowest compliant bidder must submit a production sample for testing to confirm this criteria prior to issuance of the standing offer. The Contract Authority will contact the lowest compliant bidder for the sample..

### **Warranty:**

24. The supplier **must** provide a minimum three (3) year warranty that must cover all parts excluding LED modules which is a minimum five (5) years: The warranty must also cover the L.E.D. module optical power as per their manufacture’s specifications and warranty against accumulation of internal condensation.
25. The supplier is responsible to replace or repair the defective items at the respondent’s expense including the shipping charges and labor charges.

### **After Sale Service and Labeling:**

26. The supplier **must** have a minimum of two (2) Canadian service centers; one service center located in the Atlantic Region and one service center located in the North West Region or the Pacific Region. The Atlantic region is defined as Newfoundland, Nova Scotia, New Brunswick & P.E.I. The North West region is defined as Alberta, Saskatchewan, Manitoba and the North Territories. The Pacific region is defined as British Columbia.

## ANNEX B - Technical Requirement for LED Light Bar-Truck

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27. The supplier **must** provide with the response document detailed addresses and person of contact for all service centers.
28. The one service center **must** be capable of handling custom clearance to deliver the L.E.D. light bars to and from the manufacturer to all RCMP locations listed in Appendix 6.
29. Lightbar must have serial number, date and build lot information on unit and shipping box to aid in locating manufacturing defects and warranty issues. Information should be alpha numeric and bar coded.

### **ISO9001 Certification:**

30. The Offeror must demonstrate that the LED Light Bar manufacture is ISO9001-2008 certified or equivalent.

# ANNEX B - Technical Requirement for LED Light Bar-Truck

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## APPENDIX 5

### OPTICAL POWER TABLE: measurements in (CANDELA-SECONDS/MINUTES)

ZONES	CLASS 1-2X RED/BLUE
10.00U-5.00L	960
10.00U-V	2400
10.00U-5.00R	960
5.00U-20.00L	960
5.00-10.00L	2400
5.00U-5.00L	4800
5.00U-V	7200
5.00U-5.00R	4800
5.00U-10.00R	2400
5.00-20.00R	960
H-20.00L	1440
H-10.00L	3600
H-5.00L	9600
H-L	14400
H-5.00R	9600
H-10.00R	3600
H-20.00R	1440
5.00D-20.00L	960
5.00D-10.00L	2400
5.00D-5.00L	4800
5.00D-V	7200
5.00D-5.00R	4800
5.00D-10.00R	2400
5.00D-20.00R	960
10.00D-5.00L	960
10.00D-V	2400
10.00D-5.00R	960

## ANNEX B - Technical Requirement for LED Light Bar-Truck

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### **OPTICAL POWER TABLE: (cont'd) (CANDELA-SECONDS/MINUTES)**

ZONES	CLASS 1-2X RED/BLUE
5.0U-10.00L	7200
5.00U-20.00L	7200
H-20.00L	7200
5.00D-20.00L	7200
H-20.00L	7200
5.00D-20.00L	7200
10.00U-5.00L	3840
10.00U.V	3840
10.00U-5.00R	3840
5.00U-5.00L	12000
H-10.00L	12000
5.00D-5.00L	12000
5.00U-V	43200
H-5.00L	43200
H-V	43200
H-5.00R	43200
5.00D-V	43200
5.00U-5.00R	12000
H-10.00R	12000
5.00D-10.00R	12000
10.00D-5.00L	3840
10.00D-V	3840
10.00D-5.00R	3840
5.00U-10.00R	7200
5.00U-20.00R	7200
H-20.00	7200
5.00D-20.00R	7200
5.00D-10.00R	7200

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### APPENDIX 6

#### **DELIVERY ADDRESSES:**

##### **“A” Division**

RCMP Post Garage  
1426 Joseph Blvd.  
Orleans, Ontario  
K1A 0R2

##### **“B” Division**

RCMP, Stores  
100 East White Hills Road  
P.O. Box 9700 Station B  
St. John’s, Newfoundland  
A1A 3T5

##### **“C” Division**

RCMP Telecoms Workshop  
4225 Dorchester Blvd., West  
Westmount, Quebec  
H3Z 1V5

##### **‘D’ Division**

RCMP, Post Garage  
1091 Portage Avenue  
Winnipeg, Manitoba  
R3C 3K2

##### **“E” Division**

RCMP, Post Garage  
1101 Calais Crescent  
Chilliwack, BC  
V2R 5S7

##### **“F” Division**

RCMP, Post garage  
6101 Dewdney Drive  
Regina, Saskatchewan  
S4P 3K7

##### **“H” Division**

RCMP, Division Stores  
80 Garland Ave  
Dartmouth, Nova Scotia  
B3B 0A7

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### **“J” Division**

RCMP, Division Stores  
1445 Regent Street  
Fredericton, N.B.  
E3B 4Z8

### **“K ” Division**

RCMP Post Garage  
11136 – 109<sup>th</sup> Street  
Edmonton, Alberta  
T5G 2T4

### **“South K” Division**

RCMP Post Garage  
920 16 Ave. NE  
Calgary, Alberta  
T2E 1K0

### **“O” Division**

RCMP, Post Garage  
345 Harry Walker Parkway, South  
Newmarket, Ontario  
L3Y 8P6

## ANNEX B - Technical Requirement for LED Light Bar-Truck

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### APPENDIX 7

#### DOCUMENTATION AND INFORMATION TO BE PROVIDED WITH YOUR OFFER

##### Documents:

1. The Offeror **must** include in the response document the measured radio disturbance report as per **CSPR25** from an accredited laboratory.
2. The Offeror **must** include in the response document the measured photometric optical power report as per **SAE J595** for the RED L.E.D. modules, BLUE L.E.D. modules the white take down modules and the white alley modules from an accredited laboratory. Measurements within the report must be rated at 60 feet.
3. The Offeror **must** include in the response document the measured photometric optical power report as per **SAE J2498** from an accredited laboratory. Measurements within the report must be rated at 60 feet.
4. The Offeror **must** include in the response document the blue, red and amber color compliance as per **SAE J578** from an accredited laboratory.
5. The Offeror **must** include in the response document the light bar *operator* manual.
6. The Offeror **must** include in the response document the light bar *installation* and *maintenance* manual.
7. The Offeror **must** include in the response document the *schematic* diagrams complete with component identification for the main internal electronic control boards.
8. The Offeror **must** include in the response document *schematic* diagrams complete with component identification for the L.E.D. modules electronic control boards.
9. The Offeror **must** include in the response document the light bar *internal* cabling and interconnect diagrams.
10. The Offeror **must** include in the response document the light bar *external* cabling and interconnect diagrams.
11. Proof of accreditation must be provided for all accredited lab report sources.

##### SAE Compliance:

4. The Offeror **must** provide a statement of compliance as per **SAE J575** vibration rated for 6 hours @ 1.8g with frequency 10 to 250 Hz for the L.E.D. light bar from an accredited lab report.
5. The Offeror **must** provide a statement of compliance as per **CISPR25** rated at Class 2 or better for the L.E.D. light bar from an accredited lab report.
6. The Offeror **must** provide a statement of compliance as per **SAE J578** for the L.E.D. modules from an accredited lab report.

## ANNEX B - Technical Requirement for LED Light Bar-Truck

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**APPENDIX 8 - Compliancy Table**

<b>Section</b>	<b>Meet</b>	<b>NOT Meet</b>
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30		
<b>Appendix 7 Documents</b>		
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11		

## ANNEX B - Technical Requirement for LED Light Bar-Truck

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<b>Appendix 7 SAE Approvals</b>		
1		
2		
3		

**Annex "C" Pricing Schedule**

**Line Item #1- LED Light Bar-Car**  
**Period of Standing Offer**

- A) Year 1
- B) Year 2
- C) Year 3
- D) Option 1
- E) Option 2

**Firm Unit Price - DDP Delivered**  
**(GST/HST extra)**

- \$ \_\_\_\_\_
- \$ \_\_\_\_\_
- \$ \_\_\_\_\_
- \$ \_\_\_\_\_
- \$ \_\_\_\_\_

For evaluation purposes, the average unit price (Sum A to E) / 5 = \$ \_\_\_\_\_

**Delivery:**

Delivery will be made within \_\_\_\_\_ calendar days from receipt of a call-up document.

**Line Item #2 - LED Light Bar-Truck**  
**Period of Standing Offer**

- A) Year 1
- B) Year 2
- C) Year 3
- D) Option 1
- E) Option 2

**Firm Unit Price - DDP Delivered**  
**(GST/HST extra)**

- \$ \_\_\_\_\_
- \$ \_\_\_\_\_
- \$ \_\_\_\_\_
- \$ \_\_\_\_\_
- \$ \_\_\_\_\_

For evaluation purposes, the average unit price (Sum A to E) / 5 = \$ \_\_\_\_\_

**Delivery:**

Delivery will be made within \_\_\_\_\_ calendar days from receipt of a call-up document



**Annex E - Claim for Exchange rate adjustment**



## Instructions

### Where:

$i_0$  = initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])

$i_1$  = exchange rate for adjustment purposes (CAN\$ per unit of foreign currency [e.g. US\$1])

### Instructions to bidders:

1. Bidders must complete columns (1) to (4) at time of bidding, for each line item where they want to invoke the exchange rate fluctuation provisions.
2. 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.

### Instructions for Payment:

1. This form must be submitted with the invoice for payment with respect to all items with an FCC. Complete columns (1) through (7). Columns (8) and (9) will auto complete.
2. Suppliers should submit a separate calculation sheet for each invoice submitted showing the exchange rate adjustment for all line items with an FCC.
3. This form must be provided with all invoices where the exchange rate fluctuates more than 2% (increase or decrease), (i.e.  $\text{abs}[(i_1 - i_0) / i_0] > .02$ ), unless otherwise stated in the contract.

### Étant entendu que :

$i_0$  = Facteur de conversion du taux de change initial (\$ CA par unité de devise étrangère [p. ex. 1 \$ US])

$i_1$  = Taux de change aux fins du rajustement (\$ CA par unité de devise étrangère [p. ex. 1 \$ US])

### Instructions aux soumissionnaires :

1. Les soumissionnaires doivent remplir les colonnes (1) à (4) au moment de présenter leur soumission, pour chacun des produits pour lesquels ils veulent se prévaloir des dispositions relatives à la fluctuation du taux de change.
2. Lorsque les soumissions sont évaluées en dollars canadiens, les montants en dollars indiqués dans la colonne (3) doivent également être en dollars canadiens, de sorte que le montant du rajustement soit indiqué dans la même devise que pour le paiement.

### Instructions relatives au paiement :

1. Le présent formulaire doit accompagner la facture en vue du paiement pour chaque article comportant un montant en monnaie étrangère. Il faut remplir les colonnes (1) à (7). Les colonnes (8) et (9) seront remplies automatiquement.
2. Les fournisseurs doivent présenter une feuille de calcul séparée pour chaque facture et indiquer le rajustement du taux de change pour chaque article comportant un montant en monnaie étrangère.
3. Le présent formulaire doit accompagner toutes les factures pour lesquelles la fluctuation du taux de change est supérieure à 2% (augmentation ou diminution), (c. -à-d.  $\text{abs}[(i_1 - i_0) / i_0] > .02$ ), à moins d'indication contraire dans le contrat.