



**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 0A1 / Noyau 0A1  
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**

<b>Title - Sujet</b> CCVE CAMERA SYSTEM 3 PORTS	
<b>Solicitation No. - N° de l'invitation</b> 47005-137342/A	<b>Date</b> 2012-09-18
<b>Client Reference No. - N° de référence du client</b> 1000307342	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-334-61210	
<b>File No. - N° de dossier</b> hn334.47005-137342	<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 2012-11-01</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> McLaughlin, Michael	<b>Buyer Id - Id de l'acheteur</b> hn334
<b>Telephone No. - N° de téléphone</b> (819) 956-3622 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> See Herein	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

**Issuing Office - Bureau de distribution**  
Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
6B1, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<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>

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## PART 1 - GENERAL INFORMATION

### 1. Introduction

The bid solicitation and resulting contract document is divided into seven (7) parts plus annexes as follows:

Part 1 General Information: provides a general description of the requirement;

Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation and states that the Bidder agrees to be bound by the clauses and conditions contained in all parts of the bid solicitation;

Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;

Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, if applicable, and the basis of selection;

Part 5 Certifications: includes the certifications to be provided;

Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by bidders; and

Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Basis of Payment and the Security Requirements Check List.

### 2. Summary

The Canada Border Services Agency (CBSA) is currently rebuilding the **Lyleton, Coulter and Goodland's**, Manitoba Ports of Entry. Coverage of the entire facilities is required, including the traveler's building, tertiary building, primary inspection lanes, secondary inspection area, and other exterior areas around the site. In order to enhance the health and safety of employees, an audio-video monitoring system will be procured and installed in all these operational areas.

The work consists of supplying and installing a complete and fully operational, high quality Audio Video Monitoring System (AVMS), which includes Cameras, Video Control Software, cabling and a Storage Server in each of the respective Ports of Entry (**Lyleton, Coulter and Goodlands, MB**) by January 1, 2013.

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

**2.1 Delivery Requirement**

Delivery is requested to be completed on or before January 1st 2012.

**2.1.1 Delivery Offered**

While delivery is requested as indicated above, the best delivery that could be offered is:

Lyleton, MB Port of Entry: \_\_\_\_\_

Coulter, MB Port of Entry: \_\_\_\_\_

Goodlands, MB Port of entry: \_\_\_\_\_

**2.2 Contractor Contacts**

Name and telephone number of the person responsible for :

**General enquiries**

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

Telephone No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

E-mail address: \_\_\_\_\_

**Delivery follow-up**

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

Telephone No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

E-mail address: \_\_\_\_\_

### 2.3 Service Response Time

It may be necessary for warranty repairs to be performed on site. You are requested to provide response time and location of nearest office/depot providing staff for this work. Response time will not exceed forty-eight (48) hours. The contact person is as follows:

Response Time: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Telephone No.: \_\_\_\_\_  
 Facsimile No.: \_\_\_\_\_  
 Email/Internet Address: \_\_\_\_\_

### 2.4 Emergency Services/Repairs

If requested by Canada Border Services Agency (CBSA), the Contractor will be required to provide on-site emergency service/repairs not covered under the warranty provision of the General Conditions 2030 during the contract period. The emergency crew will be paid as indicated herein. The response time may not exceed four 4 hours. The contact person is as follows:

Name: \_\_\_\_\_  
 Telephone No.: \_\_\_\_\_  
 Facsimile No.: \_\_\_\_\_  
 Email/Internet Address: \_\_\_\_\_

### 3. Debriefings

After contract award, 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.

**You are reminded that this solicitation requires the compliance and completion of requirements attached as an annex and forming part of this document.**

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## PART 2 - BIDDER INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual 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 (2010-01-11) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 4.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) days

**Section 8 of 2003**, Standard Instructions - Goods or Services, is amended as follows:

Insert: Upon request by Canada, the bidder must send written confirmation of the bid within five (5) working days.

**Section 12 of 2003**, Standard Instructions - Goods or Services, is amended as follows:

Delete subsection 1. (a) and (b).

Insert: 1. Canada may reject a bid where any of the following circumstances is present:

- (a) the Bidder is subject to a Vendor Performance Corrective Measure, under the Vendor Performance Corrective Measure Policy, which renders the Bidder ineligible to bid on the requirement;
- (b) an employee, or subcontractor included as part of the bid, is subject to a Vendor Performance Corrective Measure, under the Vendor Performance Corrective Measure Policy, which would render that employee or subcontractor ineligible to bid on the requirement, or the portion of the requirement the employee or subcontractor is to perform;

## 1.1 SACC Manual Clauses

SACC Reference	Section	Date
B1000T	Condition of Material	11/30/2007

## 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.

Due to the nature of the bid solicitation, bids transmitted by electronic mail to PWGSC will not be accepted.

### 2.1 Technical Documentation

Technical/Description literature must be submitted as part of the bid package prior to the bid closing date. **Failure to comply will render your bid non responsive.**

## 3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than three (3) business 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 with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

## 4. Applicable Laws

Any resulting contract(s) 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.

## 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 five (5) days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

## 6. Mandatory Site Visit

It is mandatory that the Bidder or a representative of the Bidder, visit the work site(s) in order to be eligible for award of a contract(s). Bidders may choose to only attend site visits for locations in which they intend to submit an offer. It is not necessary for the bidder to attend all three (3) site visits to be considered compliant. Bids will only be considered for sites in which the bidder or a representative of the bidder has attended the mandatory site visit.

Arrangements have been made for mandatory site visits to be held on:

<u>Date</u>	<u>Time</u>	<u>Location</u>
October 18th 2012	11:00am	Lyleton, MB Port of Entry
October 18th 2012	1:00pm	Coulter, MB Port of Entry
October 18th 2012	3:00pm	Goodlands, MB Port of Entry

Bidders are asked to communicate with the Contracting Authority (Michael McLaughlin, by email: [michael.mclaughlin@pwgsc.gc.ca](mailto:michael.mclaughlin@pwgsc.gc.ca) or by phone (819) 956-3622 no later than two (2) days before the scheduled visit to confirm attendance and provide the names of the person(s) who will attend. The onus is on the bidders to arrive at the site visit in a timely manner. Bidders arriving late may not be permitted to attend the site visit. Bidders who do not attend or send a representative will not be given an alternative appointment and their bids will be rejected for noncompliance.

Bidders will be required to sign an attendance form provided at each site visit location as proof of attendance and should confirm in their bids that they have attended the site visit.

Bidders should submit in writing to the Contracting Authority, a list of issues that they wish to table and the language they would like to address questions and answers, no later than one (3) calendar day prior to the scheduled site visit.

Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation

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

### **1. Bid Preparation Instructions**

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I:	Technical Bid	(3 hard copies)
Section II:	Financial Bid	(1 hard copy)
Section III:	Certifications	(1 hard copy)

Prices must appear in the financial bid only. Prices must **not** be indicated in any other section of the bid.

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;
- (b) use a numbering system that corresponds to the bid solicitation.
- (c) include the certifications as a separate section of the bid.

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

In their technical bid, bidders must demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. **The technical proposal must meet all aspects of the technical requirement as outlined in the 1.1 Mandatory Requirements and Annex "A" Statement of Work. The bidder must clearly identify on a point by point basis how the proposal meets each requirement and where specifically in the bid the requirement is addressed. Failure to meet all aspects of the mandatory and technical requirements will render the bid non-responsive and no further consideration will be given**

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Bidders should demonstrate their capability and describe their approach in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

### **Pricing - Multi-Item Bid Solicitation - Multiple Ports of Entry**

Bidders do not have to quote a price for every Port of Entry in the bid solicitation in order to be evaluated and considered for award of a contract. Bidders may withdraw one or more locations after bid closing but prior to contract award by advising in writing the Contracting Authority.

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

**1.1** Bidders must submit their financial bid using Annex B - Pricing Sheet - in accordance with the following Basis of Pricing:

#### **1.2 Basis of Pricing**

All prices must be firm unit prices, in Canadian dollars, Delivery Duty Paid (**Goodlands, Lyleton and Coulter MB**). Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is extra, if applicable. Freight charges to destination and all applicable custom duties and excise taxes are included.

##### **1.2.1 Design and All Related Equipment**

The bidder must submit a firm unit price for the Advanced Video Management System's (AVMS) design and related equipment for each Ports of entry (**Goodlands, Lyleton and Coulter MB**) as per Annex "A".

##### **1.2.2 Installation and Testing Costs**

1. The bidder must submit a firm unit price. The prices must include all costs, excluding travel and living, related to the installation and testing of the equipment.
2. Installation and Testing of Equipment for Emergency including the Installation, Repairs, Delays and Design Changes:

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In support of the quoted lot price for emergency installation and testing, repairs, delays and design changes, the bidder must submit a firm hourly rate during normal working hours and a firm hourly rate outside normal working hours for each labour category required. The rates will be in effect for the entire length of any resulting contract. Normal working hours are Monday to Friday, 7:30 to 16:30 with exception of statutory holidays.

### **1.2.3 Travel and Living Expenses Related to Installation of Equipment**

The bidder must indicate if there are travel and living expenses associated with the installation and testing of the equipment (excluding training). Where applicable, the bidder must submit firm lot prices, the estimated number of people and the estimated number of days (excluding training).

### **1.2.4 Training and Related Travel and Living Expenses**

The bidder must submit a firm lot price for all required on-site training sessions including any associated travel and living expenses.

### **1.2.5 Documentation**

The bidder must submit a firm unit price for the following:

Operator and Maintenance Manuals and other requested Technical Documentation as detailed in the SOW.

### **1.3 Exchange Rate Fluctuation**

The requirement does not provide for exchange rate fluctuation protection. Any request for exchange rate fluctuation protection will not be considered and will render the bid non-responsive.

## **Section III: Certifications**

Bidders must submit the certifications required under Part 5.

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

### **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.

## 1.1 Mandatory Technical Statement of Requirements

**Mandatory criteria:** Bids will be evaluated on a "compliant / non-compliant" basis. Proposals must clearly demonstrate compliance with all aspects of the mandatory requirements by providing a clear description of where in their bid they meet the mandatory requirements. Proposals that fail to meet any mandatory requirements will be deemed non-responsive and given no further consideration.

### Table Summary

#### Table

<b>Table 2</b>	One of Axis P3344-V, Panasonic NW-502S or equivalent
<b>Table 3</b>	One of Axis P1344+Theia Varifocal Ultra Wide Lens + Axis Indoor Fixed Ceiling Housing, Panasonic WV-SP306 + PLZMP 2.8-12+Panasonic PME8A or equivalent.
<b>Table 4</b>	One of Axis Q6034-E, Panasonic WV-SW395 or equivalent.
<b>Table 5</b>	One of Axis P3346-VE or equivalent.
<b>Table 6</b>	One of Axis P3346-VE or equivalent.
<b>Table 7</b>	One of Axis P1346-E + Theia Varifocal Ultra Wide Lens, AXIS P1347-E or equivalent
<b>Table 8</b>	One of Genetec Security Center or equivalent. The version must be specified in the bid and the license must be retained by CBSA.

### All Cameras

The lens and resolution specifications for the cameras listed in this document are guidelines only. The exact type of lens, and resolution required will depend on the specific application.

**Table 1: General Camera Requirements for ALL Cameras**

	<b>Compliant / Non-compliant</b>	<b>Bid location</b>
1. Open Architecture - Camera must provide an application programming interface (API) for system integration: 1.1. Direct access to video stream using a URL. 1.2. Software development kit (SDK) to control, and change camera settings remotely. It must be possible to change all of the following settings remotely: Resolution, Video Compression, Network settings, Frame rate.		
2. Video - Camera must support the following video settings: 2.1. Multiple compression formats, not limited to, but supporting MJPEG and H.264. 2.2. Frame rate must be controllable for each stream, and camera must support at least dual stream video and support simultaneous streaming of different formats.		
3. Power - Camera must be Power over Ethernet compatible. Camera may have additional power sources (i.e. High POE) for cooling or heating units.		
4. Conduit - All exposed cabling must be contained within conduit.		
5. Cabling - Must meet all applicable fire and building codes. Includes the use of plenum rated cabling where required by code.		
6. Warranty - All cameras must carry one year (minimum) manufacturers warranty covering parts and labour. Installing contractor is primary warranty contact for CBSA.		
7. Testing - All cameras must be thoroughly tested prior to installation.		
8. Exposure Settings - Must be configurable for different lighting conditions such as shutter speed, and exposure.		

9. Enclosure - Cameras must be contained in housing and securely mounted.		
10. Specification sheets - Detailed specification sheets must be provided to contracting authority with bid/proposal, and also provided upon installation of system to end-user.		
11. Disabled Audio - All cameras which are audio capable must have audio capability disabled from the camera or video management software.		

**2Table 2: Requirements for Fixed Indoor Camera**

	<b>Compliant / Non-compliant</b>	<b>Bid Location</b>
1. Resolution - Camera must have at least a 1280 X 720 image resolution.		
2. Zoom - The camera must support at least 2X optical zoom.		
3. Focus - Must have powered focus such as auto focus or auto back focus.		
4. Field of View - Must provide at least a 50 degree horizontal field of view.		
5. Frames Per Second (FPS) - Camera must support at least 12 frames per second at the minimum resolution specified above.		
6. Audio - Camera must have at least one audio input port that so that a microphone may be connected to the camera. Must support full duplex or half duplex audio.		
7. Night Capability - The camera must be a true Day/Night camera with a mechanical IR cut filter.		
8. Enclosure - Camera must be contained in housing and securely mounted. Dome cameras are preferred. Cameras which are not dome cameras, require additional enclosures.		

**Table 3: Requirements for Fixed Outdoor Cameras**

	<b>Compliant / Non-compliant</b>	<b>Bid Location</b>
1. Resolution - Camera must have at least a 1280 X 720 image resolution.		
2. Zoom - The camera must support at least 2X optical zoom.		
3. Focus - Must have powered focus such as auto focus or auto back focus.		
4. Frames Per Second (FPS) - Camera must support at least 12 frames per second at the minimum resolution specified above.		
5. Night Capability - The camera must be a true Day/Night camera with a mechanical IR cut filter.		
6. Enclosure - Cameras located in detention cells must be housed in heavy duty, vandal resistant and tamper proof enclosures that mount flush to the wall and ceiling. Enclosures cannot provide a hanging point.		

Camera + Lens + Enclosure meeting specifications such as: (1) Axis P1344 + Theia Varifocal Ultra Wide Lens + Axis Indoor Fixed Ceiling Housing 24888 or (2) Panasonic WV-SP306 + PLZMP2.8-12 + Panasonic PME8A/11A or similar can be used.

**Table 4: PTZ Outdoor Camera**

	<b>Compliant/Non-compliant</b>	<b>Bid Location</b>
1. PTZ - Camera must be a Pan-Tilt-Zoom (PTZ) camera. This means that the camera can be made to move left and right, move up and down and zoom in and out.		
2. Resolution - Camera must have at least a 1280 X 720 image resolution.		
3. Night capability - The camera must be a Day/Night camera.		
4. Zoom - Camera must support at least 15X optical zoom.		
5. Field of View - Must provide at least a 50 degree horizontal field of view.		
6. Range of Motion - Must have a mechanical pan range of at least 350 degrees. Must have a mechanical tilt range of 90 degrees.		

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7. Frames Per Second (FPS) - Camera must support at least 12 frames per second at the minimum resolution specified above.		
8. Environment - Camera assembly must be waterproof and have an operating temperature range of -40 to +40 C. Rated IP65 or better.		

Cameras such as Axis Q6034-E or Panasonic WV-SW395 (with 24 V AC) or similar can be used.

**Table 5: : Fixed Outdoor Camera**

Criteria	Compliant/Non-compliant	Bid Location
1. Resolution - Camera must have at least a 1920 X 1080 image resolution.		
2. Night capability - The camera must be a true Day/Night camera with a mechanical IR cut filter.		
3. Field of View - Must provide at least a 50 degree horizontal field of view.		
4. Focus - Camera must have powered focus such as auto focus or auto back focus.		
5. Zoom - The camera must support at least 2X optical zoom.		
6. Frames Per Second (FPS) - Camera must support at least 12 frames per second at the minimum resolution specified above.		
7. Environment - Camera assembly must be waterproof and have an operating temperature range of -40 to +40 C. A custom enclosure may be provided so that a camera can operate within this temperature range but should be expressly noted. Rated IP65 or better.		
8. Enclosure - Camera must be contained in housing and securely mounted. Cameras which are not dome cameras require additional enclosures.		
9. Maximum camera assembly -For cameras 2,3,7 the total height of the camera (including camera, lens, and environmental enclosure) must have a height of less than 12" from the ceiling. It is preferred if the camera assembly length is less than 11".		

Camera such as Axis P3346-VE or similar can be used.

**Table 6: PIL Small Form Factor Camera**

	Compliant/Non-compliant	Location in Bid
1. <b>Field of View</b> – The lens used must provide a horizontal field of view of at least 84 degrees.		
2. <b>Resolution</b> – Camera must have at least a 1920 X 1080 image resolution.		
3. <b>Audio</b> – Camera must have at least one audio input port so that a microphone may be connected to the camera to receive audio.		
4. <b>Environment</b> – Camera assembly must be waterproof and have an operating temperature range of -40 to +40 C. Rated IP65 or better.		
5. <b>Maximum camera assembly</b> – (camera, lens, environmental enclosure) length of less than 5" (along lens axis).		
6. <b>Night capability</b> – The camera must be a true Day/Night camera with a mechanical IR cut filter.		
7. <b>Frames Per Second (FPS)</b> – Camera must support at least 12 frames per second at the minimum resolution specified above		
8. <b>Focus</b> – Camera must have powered focus such as auto focus or auto back focus.		
9. <b>Enclosure</b> – Camera must be contained in housing and securely mounted. Cameras which are not dome cameras require additional enclosures.		

Camera such as Axis P3346-VE or similar can be used.

**Table 7: Requirements for Fixed Outdoor Cameras (Wide Angle)**

Criteria	Compliant/Non-compliant	Location in Bid
1. <b>Resolution</b> – Camera must have at least a 1920 X 1080 image resolution.		
2. <b>Night capability</b> – The camera must be a true Day/Night camera with a mechanical IR cut filter.		
3. <b>Focus</b> – Camera must have powered focus such as auto focus or auto back focus.		
4. <b>Field of View</b> – Must provide at least 85 degree horizontal field of view.		
5. <b>Frames Per Second (FPS)</b> – Camera must support at least 12 frames per second at the minimum resolution specified above.		
6. <b>Environment</b> – Camera assembly must be waterproof and have an operating temperature range of -40 to +40 C. A custom enclosure may be provided so that a camera can operate within this temperature range but should be expressly noted. Rated IP65 or better.		

<p>7. <b>Enclosure</b> – Camera must be contained in housing and securely mounted. Cameras which are not dome cameras require additional enclosures.</p>		
<p>8. <b>Maximum camera assembly</b> – For cameras 4, 8 the total height of the camera (including camera, lens, and environmental enclosure) must have a height of less than 12” from the ceiling. It is preferred if the camera assembly length is less than 11”.</p>	<p>MUST</p>	

Cameras such as Axis P1346-E Theia Varifocal Ultra Wide Lens or Axis P1347-E or similar can be used.

**Table 8: Video Management System Software**

All cameras supplied must be supported by the selected Video Management System.

Criteria	Compliant/Non-compliant	Location in Bid
<p><b>Software Requirements</b> The software used to control and manage the cameras must offer a client-server model. The server application is in a remote location and provides camera control (live viewing, PTZ controls) and video archiving functions. The client application connects to the server to access: live video from cameras, and archived videos. The individual requirements for the server and client applications are outlined below.</p> <p><b>All of the following requirements are mandatory.</b></p> <p><b>I. Open standards</b></p> <p>1. The product supports “Open Standards” architecture to interoperate with a variety of cameras, encoder, and IT infrastructure.</p> <p>1.1. Software Development Kits (SDK) with sample code and documentation are provided.</p> <p>1.2. The product supports commercial off the shelf (COTS) client workstations, servers and customer selected archiving system.</p> <p>1.3. The product is compatible with open architecture industry leading camera manufacturers including but not limited to: Sony, Axis, Panasonic, Bosch</p> <p>1.4. The product provides an application programming interface (API) for integration of third party software such as video analytics.</p>		

<p><b>II. Scalability / future expansion</b></p> <ol style="list-style-type: none"> <li>1. The product is upgradeable without migration to another platform.</li> <li>2. The sever application should be scalable, i.e. the same application should be able to support 2 or 200 cameras, without additional upgrades or purchases.</li> <li>3. The product supports unlimited number of motion zones, events, and alarms.</li> <li>4. The cameras can be replaced without requiring license reactivation.</li> <li>5. The product supports the ability to add maps.</li> <li>6. The product supports federation where physical sites are grouped into a logical hierarchy and where it is possible within a hierarchy to access and control cameras specific to the site. It is preferable to be able to federate sites with different versions together.</li> </ol>		
<p><b>III. Architecture</b></p> <ol style="list-style-type: none"> <li>1. The product can group cameras in logical group. It must be possible to select one or more groups within the programmed hierarchy and go directly to that group's camera and views.</li> <li>2. It must be possible to use a traditional CCTV keyboard and connect it to the control centre PC to allow full virtual matrix control without the need for PC keyboard and mouse control.</li> <li>3. The server and client application is Microsoft Windows compatible.</li> <li>4. The product supports multicast and unicast transmission.</li> <li>5. The product supports multiple streams from the same camera.</li> </ol>		
<p><b>IV. PTZ Controls</b></p> <ol style="list-style-type: none"> <li>1. Pan-tilt-zoom function must be supported by traditional CCTV keyboard such that the PC keyboard and mouse are not required / mandatory for normal pan-tilt-zoom.</li> <li>2. Variable speed and direction pan-tilt-zoom control must be available using the PC mouse by dragging a directional pointer around the video pane. This includes zoom in, zoom out, focus near, focus far and multiple speed pan and tilt operations.</li> <li>3. The control of pan-tilt-zoom must be able to grant rights to the user with the higher user priority and enable immediate control of any pan-tilt-zoom operations where a user with lower priority attempts to take control.</li> </ol>		

<p><b>V. Video Archiving and Retrieval</b></p> <ol style="list-style-type: none"> <li>1. The product supports management, distribution and storage of video surveillance data in a centralized and distributed network environment.</li> <li>2. The product supports multiple recording modes and formats: <ol style="list-style-type: none"> <li>2.1. Recording modes such as: Always Recording, Pre and post motion recording, and scheduled recording.</li> <li>2.2. The product supports video recording in multiple standard compression formats including but not limited to H.264, configured at the camera level.</li> <li>2.3. The product should record audio (if available) that is synchronized with the video</li> </ol> </li> <li>3. The product supports internal and external storage devices, including but not limited to servers, NAS / SAN solutions.</li> <li>4. The product provides advanced search functions, including but not limited to time-line search, event search, and motion search.</li> <li>5. The product provides different levels of access privileges at individual and user group levels</li> <li>6. The product provides redundancy features to ensure access to all live and archived data at all times.</li> </ol>		
<p><b>VI. Alarm/Event Logging and Management</b></p> <ol style="list-style-type: none"> <li>1. The product provides automatic logging of Alarms and Events.</li> <li>2. It must be possible to program a motion zone in an audio / video camera's field of view for motion detection.</li> <li>3. There should be an interface to define "Events" including but not limited to built-in motion detection, third party events, third party video analytics, time of day etc. <ol style="list-style-type: none"> <li>3.1. It should be possible to associate "actions" with "events".</li> <li>3.2. The product provides motion detection with adjustable sensitivity in user defined motion zones.</li> </ol> </li> <li>4. Events should trigger associated alarms. <ol style="list-style-type: none"> <li>4.1. The product provides user options to log text descriptions of Event Triggers, Actions, and Alarms.</li> </ol> </li> <li>5. Alarms should be associated with user defined actions. The product supports "multiple conditions trigger one action" or "single condition triggers multiple actions".</li> <li>6. Ability to set a URL and view webpage for context sensitive information</li> </ol>		

<p><b>Client Workstation (Application) Requirements</b></p> <p><b>VII. Live Viewer</b></p> <ol style="list-style-type: none"> <li>1. The live viewer client application should display live video from cameras connected to the server located in a remote location.</li> <li>2. The live viewer should: <ol style="list-style-type: none"> <li>2.1. Provide a highly intuitive Graphical User Interface (GUI).</li> <li>2.2. Support two languages: English and French.</li> <li>2.3. Provide help options to locate a function or feature.</li> <li>2.4. Must have the capability of displaying live video at 30 FPS and have an adjustable frame rate.</li> <li>2.5. Display live video at different resolutions.</li> </ol> </li> <li>3. Provides configurable live audio functions, including but not limited to audio ON/OFF, audio synchronized with video and adjustable audio volume.</li> <li>4. Live viewer software must have synchronous play back mode</li> <li>5. A record icon / button must be available on the live controls to allow instant recording of the audio / video from any camera</li> <li>6. The operator must have the ability to choose playback layouts including 2x2, 4x4 and various customs layouts;</li> </ol>		
<p><b>VIII. Archive Player</b></p> <ol style="list-style-type: none"> <li>1. The product provides multiple playback functions, including but not limited to play, pause, fast forward, rewind, and variable play speed functions.</li> <li>2. The product provides synchronized playback from multiple cameras. <ol style="list-style-type: none"> <li>2.1. The archive player should have multiple layouts to playback videos from multiple cameras e.g. It should be possible to play 2, 4, or 16 videos <b>synchronously</b></li> <li>2.2. It should be possible to disable audio during playback.</li> </ol> </li> <li>3. The product supports efficient video export functions. <ol style="list-style-type: none"> <li>3.1. The exported video should be in standard, non-proprietary format readable on computers without the need to install additional software /codec (such as AVI or ASF.)</li> </ol> </li> </ol>		
<p><b>IX. User (Client) Management</b></p> <ol style="list-style-type: none"> <li>1. The product should provide the following user authentication features: <ol style="list-style-type: none"> <li>1.1. User ID and Password protection for each client connection to the server application.</li> <li>1.2. Automatic password expiry function.</li> <li>1.3. Encryption of stored Passwords.</li> <li>1.4. Multiple administrator and user levels.</li> </ol> </li> <li>2. There must be a capability to control who has access to the software and camera features and to audit any changes. These requirements relate to this.</li> </ol>		

<p>2.1. The proposed solution must provide at a minimum, username and password authentication consistent with the CBSA's standards for Active Directory for Windows®.</p> <p>2.2. The proposed solution must support role-based access control (RBAC) or group-based access control (GBAC) where privileged users can define roles or groups and can assign users to roles or groups.</p> <p>2.3. The proposed solution must allow the assigning of granular permissions to users, groups or roles.</p> <p>2.4. The proposed solution must be comprehensive and efficient in defining user permissions. 2.4.1. Privilege to allow or deny ability to change the client view must be present</p> <p>2.5. The proposed solution must provide the administrator the ability to define the functions and tasks that can be performed by different users, groups or roles.</p> <p>2.6. The proposed solution must have an audit capability that can provide a log of user actions including privileged administrator functions.</p> <p>2.7. Product must be able to record (audit) camera changes; modifications or product changes to an audit file that associates the changes with a user.</p> <p>2.8. The proposed solution must provide the capability to determine who has access to the camera images.</p> <p>3. External vendors must have no access to any of the technology or technology components implemented unless explicitly authorized by the CBSA technology authority.</p>		
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Video Management Systems such as Genetec Security Center or similar can be used.

**Table 9- Storage Server Requirements**

Criteria	Compliant / Non compliant	Location in Bid
<b>STORAGE FUNCTION REQUIREMENTS:</b>		
1. The storage server <b>must</b> have a minimum capacity to record 30 days of footage and must have a minimum of 10TB available for video storage.		
2. The server <b>must</b> provide redundancy features to ensure access to all live and archived data at all times.		
3. The server <b>must</b> be scalable without migration to another platform.		
4. The storage system <b>must</b> have an uninterruptible power supply (UPS) able to supply 60 minutes of power during a power outage.		

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5. Video must record at a minimum of eight (8) FPS.		
<b>OS CONTROL FUNCTION REQUIREMENTS:</b>		
1. The storage server <b>must</b> be built on the Microsoft Windows platform.		

**Table 10 - Large Viewing Station**

Criteria	Compliant / Non-compliant	Location in Bid
<b>Monitor type</b> – Must be 32 inch LCD or LED monitor		
<b>Monitor resolution</b> – Must have at least a 1920 X 1080 image resolution.		
<b>Workstation</b> – Must be connected to a workstation supporting the recommended specifications for the VMS client software		
<b>Software</b> – Must have the VMS client software installed		

**Table 11 - Small Viewing Station**

Criteria	Compliant / Non-compliant	Location in Bid
<b>Monitor type</b> – Must be 17" inch LCD or LED monitor		
<b>Monitor resolution</b> – Must have at least a 1280 X 1024 image resolution		
<b>Workstation</b> – Must be connected to a workstation supporting the recommended specifications for the VMS client software		
<b>Software</b> – Must have the VMS client software installed		

**Table 12: Camera Quantities and Types Required**

Item#		Lens	Mic Required	Location	Specifications (Refer to Table #above)
1	Fixed outdoor	normal	no	Inside the garage Tertiary Fixed outdoor looking to all doors	5
2	Fixed outdoor	normal	no	Secondary Canopy Fixed outdoor looking to trunk of vehicles	5 Max 12 inches tall
3	Fixed outdoor	normal	no	Secondary Canopy Fixed outdoor looking to trunk of vehicles	5 Max 12 inches tall
4	Fixed Outdoor Cameras (Wide Angle)	normal	no	Primary lane Canopy view to passenger side of vehicle	7 Max 12 inches tall
5	PTZ outdoor	normal	no	Corner service building View to staff Parking	4
6	PTZ outdoor	normal	no	Corner service building View to south and PIL area	4
7	Fixed outdoor	normal	no	Primary Canopy camera looking to south traffic	5 Max 12 inches tall
8	Fixed Outdoor Cameras (Wide Angle)	normal	no	Primary Canopy looking into truck	7 Max 12 inches tall
9	Fixed outdoor PIL	normal	no	PIL Booth camera looking at Driver (car height)	6 Max 5 inches tall
10	Fixed indoor	normal	no	Lobby Counter camera looking to counter and vestibule entrance. Camera installation 8-10' from ground.	2
11	Fixed wide angle indoor	wide	no	Cell camera mounted on the ceiling at wall above toilet	3
12	Fixed indoor	normal	no	Detention corridor camera looking to Detention vestibule and detention area general. Camera mounted ceiling at wall.	2
13	PTZ outdoor	normal	no	PTZ outdoor light standard view to capture CBSA facility looking south. Camera mounted 25-25' up pole.	4
14	PTZ outdoor	normal	no	PTZ outdoor light standard view to capture CBSA facility looking north. Camera mounted 25-25' up pole.	4

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15	Large Monitor			Monitor 32" Front counter above millwork mounted on wall mid counter 8'	10
16	Small Monitor			Monitor PIL Booth 17" screen surface mounted	11
17	Large Monitor			Monitor 32" Wall mounted outside Lan Room 123 8'	10
19	Fixed outdoor PIL	normal	no	PIL Booth camera looking at Driver (truck height)	6 Max 5 inches tall

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## Technical Criteria

1. address on a paragraph by paragraph basis the Statement of Work - Annex "A", by indicating where in your bid you meet the requirement. If required, the bidder should provide additional information.
2. comply with all of the requirements of the statement of work requirement as well as all amendments to the bid solicitation issued prior to bid closing date.

## 1.2 Financial Evaluation

### 1.2.1 Mandatory Financial Criteria

All prices must be firm unit prices in Canadian dollars, Delivery Duty Paid (**Lyleton, Coulter and Goodlands, MB**), Goods and Services Tax or the Harmonized Sales Tax extra, transportation costs to destination and all applicable Custom Duties and Excise Taxes included.

Prices must be submitted for all items listed in the **Annex "B" - Pricing Sheet**.

## 2. Basis of Selection

To be declared responsive, a bid must:

- (a) comply with all the requirements of the bid solicitation; and
- (b) meet all mandatory technical evaluation criteria

Bids not meeting (a) and (b) will be declared non-responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract(s).

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## **PART 5 - CERTIFICATIONS**

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

### **1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award**

**1.1** Bidders should provide, with their bids or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Bidders must submit the list of directors before contract award, failure to provide such a list within the required time frame will render the bid non-responsive.

The Contracting Authority may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification Form - PWGSC-TPSGC 229) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

### **1. 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 so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

## 1.1 Federal Contractors Program - Certification

### Federal Contractors Program - over \$25,000 and below \$200,000

Suppliers who are subject to the Federal Contractors Program (FCP) and have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive federal government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a)  is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b)  is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c)  is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC, having not bid on requirements of \$200,000 or more;
- (d)  has not been declared an ineligible contractor by HRSDC, and has a valid certificate number as follows: \_\_\_\_\_.

Further information on the FCP is available on the HRSDC Web site.

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

\_\_\_\_\_  
*Date*

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## **2. Certifications Required with the Bid**

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

### **2.1 Service Response Time**

The bidder certifies that it has the ability to respond to service requests from the Crown within a maximum of six (6) hours. Bidders must verify that multiple service response technicians will be available to meet such requests, and that all service technicians have completed certification on the proposed Manufacturer's equipment.

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Signature

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Date

## **PART 6 - SECURITY AND FINANCIAL REQUIREMENTS**

### **1. Security Requirement**

a. Before award of a contract, the following conditions must be met:

- (a) the Bidder must hold a valid organization security clearance as indicated in Part 7 - Resulting Contract Clauses;
- (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work site(s) must meet the security requirement as indicated in Part 7 - Resulting Contract Clauses;
- (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites.

b. Canada will not delay the award of any contract to allow bidders to obtain the required clearance.

c. For additional information on security requirements, bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders" document on the Departmental Standard Procurement Documents Web site.

### **2. Financial Capability**

SACC Manual clause A9033T (30/11/2007) Financial Capability

## PART 7 - RESULTING CONTRACT CLAUSES

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

### 1. Statement of Work

The work consists of supplying and installing a complete and fully operational, high quality Audio Video Monitoring System (AVMS), which includes Cameras, Video Control Software, cabling and a Storage Server in the respective Ports of Entry above named by January 1, 2013.

#### 1.1 Additional Work

The Design Authority may, at any time before issuing the final acceptance notice, order work or material in addition to that provided for in the Statement of Work. The contractor will perform the work in accordance with such orders, deletions and changes and on the same terms and conditions contained and referenced herein.

#### SACC Manual Clauses

SACC Reference	Section	Date
B5007C	Procedures for Design Change or Additional Work	11/01/10

### 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 issued by Public Works and Government Services Canada.

#### 2.1 General Conditions

2030 (2010/01/11), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

#### 2.2 Supplemental General Conditions

4001 (12/05/08) Hardware Purchase or Lease, apply to and form part of the Contract.

4003 (12/05/08) Licensed Software, apply to and form part of the Contract.

## 2.3 SACC Manual Clauses

SACC Reference	Section	Date
B1501C	Electrical Equipment	16/06/06
A9068C	Site Regulations	25/05/07

## 3. Term of Contract

### 3.1 Period of Contract

The system design, the delivery of all related equipment, the completion of all installation, testing and contract related work is to be completed on or before January 1st 2013.

Date of delivery will be of the essence of any resulting contract. Your attention is drawn to article 10 of General Conditions, 2030.

### 3.2 Shipping Instructions - Delivery at Destination

1. Shipment shall be consigned to the destination specified herein and DDP Delivered Duty Paid (Lyleton, Coulter, Goodlands, MB) Incoterms 2000 for shipments from a commercial supplier.

### 3.3 Inspection and Acceptance

All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection. Inspection and acceptance will be accomplished by the project authority or the authorized representative at destination.

- (a) The Contractor will be required to present the work, for final acceptance, when such work has been designed, manufactured, delivered to site and installed and has successfully passed all tests in strict accordance with the specification and terms and conditions, and the Contractor has performed all other work and complied with all the terms and conditions of the contract.

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.

Final Inspection and acceptance will take place at destination when all goods are delivered/services rendered, and after all deficiencies identified by the Project Authority or the authorized representative are rectified and accepted.

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- (b) Upon verification of the above, the Project Authority will by written notice to the Contractor so acknowledge, and such notice will constitute final acceptance.

## 5. Authorities

### 5.1 Contracting Authority

The Contracting Authority for the Contract is:

Michael McLaughlin  
Public Works and Government Services Canada  
Acquisitions Branch  
Logistics, Electrical, Fuel & Transportation Directorate - HN Division  
Place du Portage Phase III - 7B3,  
11 Laurier St., Gatineau (Qc), K1A 0S5

Telephone: 819.956.3622  
Facsimile: 819-953-4494  
E-mail address: [michael.mclaughlin@pwgsc.gc.ca](mailto:michael.mclaughlin@pwgsc.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.

### 5.2 Project Authority

The Project Authority for the Contract is:

Name: will be inserted at contract award  
Title: will be inserted at contract award  
Organization: will be inserted at contract award  
Address: will be inserted at contract award

Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
Facsimile: \_\_\_\_ - \_\_\_\_ - \_\_\_\_  
E-mail address: \_\_\_\_\_

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project

Authority; however, the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 5.3 Contractor Contacts

Name and telephone number of the person responsible for :

#### General enquiries

Name: will be inserted at contract award  
 Telephone No. will be inserted at contract award  
 Facsimile No. will be inserted at contract award  
 E-mail address: will be inserted at contract award

#### Delivery follow-up

Name: will be inserted at contract award  
 Telephone No will be inserted at contract award  
 Facsimile No. will be inserted at contract award  
 E-mail address: will be inserted at contract award

## 6. Payment

### 6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price in Canadian dollars, as specified in Annex "B". Freight charges to destination, all customs duties and excise taxes are included, while Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is extra, if applicable.

### 6.2 Limitation of Price

SACC Manual clause C6000C (2007/05/25) Limitation of Price

### 6.3 SACC Manual Clauses

SACC Reference	Section	Date
A9117C	T1204 - Direct Request by Customer Department	11/30/07
C4001C	Travel and Living Expenses	01/11/10

The Contractor will be reimbursed for the authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, in accordance with the National Joint Council's Travel Directive (Appendices B, C and D; other provisions referencing 'travellers' rather than 'employees'). No allowance will be given for profit and/or administrative overhead. All payments are subject to government audit.

<http://www.njc-cnm.gc.ca/directive/travel-voyage/index-eng.php>

#### 6.4 Method of Payment - Milestone Payments

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

- (a) an accurate and complete claim for payment using PWGSC-TPSGC 1111, Claim for Progress Payment, and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- (b) all the certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives;
- (c) all work associated with the milestone and as applicable any deliverable required has been completed and accepted by Canada.

The schedule of milestones for which payments will be made in accordance with the Contract is as follows:

Milestone No.	Description/Deliverable	Payment
1	System Design, Equipment Delivery, Relative Documentations, Installation and Testing costs (including related travel and living expenses)	80% (less 10% holdback)
2	On-site training (including related travel and living expenses) and manuals	20% (less 10% holdback)
3	Demonstrated as operable and uninterrupted for a minimum of (14) fourteen calendar days prior to final delivery, acceptance and release of the 10% holdback payment.	Final 10% holdback

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## 7. 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.

Each invoice must be supported by:

- (a) a copy of time sheets to support the time claimed;
- (b) a copy of the invoices, receipts, vouchers for all direct expenses, and all travel and living expenses.

2. Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

## 8. Certifications

Compliance with the certifications provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification or it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## 9. Applicable Laws

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

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## 10. Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the general conditions 2030 (2010/01/11);
- (c) the supplemental General Conditions 4001 (2010/01/11) Hardware Purchase, Lease and Maintenance
- (d) the supplemental General Conditions 4003 (2010/01/11) Licensed Software
- (e) Annex A, Statement of Work (SOW);
- (f) Annex B, Basis of Payment;
- (h) the Contractor's bid dated \_\_\_\_\_ (date of bid)

## 11. Electrical Equipment

All electrical equipment supplied under the Contract must be certified or approved for use in accordance with the Canadian Electrical Code, Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada.

## 12. Insurance

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

## 13. Disclosure of Information

The Contractor will keep confidential and will not publish or otherwise reuse, release, disclose or make available to any third party any Background or Foreground Information concerning **site drawings and manuals**, except as may be necessary to carry out the work under the Contract in which case the Contractor will impose the same obligation of confidentiality on any person to whom the information is disclosed.

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## ANNEX "A"

### Statement of Technical Requirements

#### SECTION 1 - Audio Video Monitoring System

##### Objective

Supply and installation of an Audio-Video monitoring system at Lyleton, Coulter and Goodland's, Manitoba Ports of Entry.

##### Background

The Canada Border Services Agency (CBSA) is currently rebuilding the Lyleton, Coulter and Goodland's, Manitoba Ports of Entry. Coverage of the entire facility is required, including the traveler's building, tertiary building, primary inspection lanes, secondary inspection area, and other exterior areas around the site. In order to enhance the health and safety of employees, an audio-video monitoring system will be procured and installed in all these operational areas.

##### Scope

The work consists of supplying and installing a complete and fully operational, high quality Audio Video Monitoring System (AVMS), which includes Cameras, Video Control Software, cabling and a Storage Server in the respective Ports of Entry above named by January 1, 2013.

##### Tasks

1. Provide and install a functional system in compliance with each specific manufacturer's installation guidelines, whether or not all required parts, components, systems, software or accessories are specified in the project's documents.
2. Installation, connection, programming and verification of all new devices in accordance with CBSA's technical and operational requirements.
3. The AVMS must meet or exceed all criteria and specifications as stated in the specifications document.
4. Fifteen (15) cameras must be supplied and installed in the work areas indicated in the specification document. The cameras must be in accordance to Tables 1-7 of the specification document.
5. Each of the following locations must be equipped with a HD widescreen flat panel computer monitor mounted on the wall or ceiling as indicated with hardware that allows the monitor to tilt and swivel in accordance to Tables 10 – 11 of the specification document.

5.1) One 32" monitor at the service counter located in the Traveler's Building, ceiling mounted;

5.2) One 17" monitor in the PIL Booth located in the Traveler's Building, counter surface mounted;

5.3) One 32" monitor outside the LAN room located in the Traveler's Building, wall mounted;

7. A minimum 15" to maximum 17" all-in-one PC must be supplied and installed in the PIL booth that is attached to the traveler's building. The PC must not interfere with the Officer's workspace and may require an arm that allows the PC to tilt, swivel, and telescope.

8. Each of the following locations must be equipped with a PC, controller/joystick to operate PTZ cameras, and an uninterruptable power supply (UPS) that provides a minimum of 60 minutes of power and surge protection:

8.1. The Workstation located in the Traveler's Building

8.2 The PIL Booth attached to the Traveler's Building

### **Storage Server**

9. A storage server(s) must be supplied and installed.

9.1. The storage server(s) must be in accordance to Table 9 of specification document.

9.2. The supplied storage server(s) must meet the specifications recommended by Milestone Systems to ensure optimal performance for 15 cameras.

9.3. The storage server(s) must be placed in a locked metallic rack that meets CBSA security standards and contains an air conditioning unit to control the temperature.

### **Network, Wiring, and Cabling**

10. All cabling to connect network devices (computers, IP cameras, PoE Switches, etc.) must be CAT-6.

11. All inter-switch (building to building) cabling will be fiber optic cable that provides the best network performance and allows for system expansion as needed.

- 
12. Contractor must supply all equipment related to fiber optic connectivity.
  13. The supply and installation of the required cabling, including low voltage power cable where required and electrical source to all designated equipment must be completed by the contractor.
  14. Conduit and electrical junction boxes will be supplied and installed by the General contractor and are in place.
  15. The network must be optimized to provide high quality, smooth, clear video images to the server and monitoring stations.

### **Video Control Software**

17. The AVMS must use the most recent version of Milestone xProtect Corporate according to TSoR Table 8: Video Control Software of Specifications document. The contractor will supply the software licence code for Milestone xProtect Corporate. The contractor must supply 15 Milestone xProtect Corporate camera channels.

### **Training**

18. Up to three (3) one-day training sessions must be provided at the above named Ports of Entry using the installed AVMS within one month after the installation and acceptance of the completed system or as required by site users.
19. The training must be certified by the company in compliance with their training of operation.
20. User and training documentation must be specific to each target audience (super users and regular users) and must provide functional descriptions for each component.
21. Training must provided at customer site(s). It will take place during week-days, between 8am and 5pm. The contractor must contact CBSA to establish a training schedule prior to the training sessions.
22. Training sessions must:
  - 1) Be computer based training;
  - 2) Have classroom instruction and hands-on training provided.
  - 3) Be customized to meet customer requirements specific to each target audience.

- 
- 4) Be video taped for use of CBSA when completed.
23. Training documentation must be available to all trainees in both English and French.
24. CBSA will provide the training facilities, required for the training sessions.

### **Deliverables**

25. At project closeout, Contractor will provide hard and soft copy Operations and Maintenance (O & M) Manuals for each system provided under this contract. This includes data for each type of product and features and operating sequences, both automatic and manual.
26. The manuals must include the address and telephone number of the Contractor with emergency service contact information.
27. The operational manual will include all manufacturer recommended equipment maintenance requirements, with a complete description of all maintenance procedures required on all installed equipment including time intervals (hour usage), required inspection, periodic maintenance, fault diagnosis and repair/replacement of parts/components.
28. Installation guide, system documentation, system structure and setup information must be made available to the CBSA.
29. System operation must be made available to the CBSA.
30. User documentation clearly defines procedures for all processes.
31. Documentation can be copied and distributed within the CBSA without restriction.
32. All documentation shall be available in English and French.
33. The Contractor will provide a written warranty statement detailing each manufacturer's hardware and software warranties. The written warranty is to cover all system components. The written warranty is to describe, in detail, the warranty policy for each equipment manufacturer.
34. Testing verification report in accordance with paragraph 16, Compliance verification testing.
35. All documentation and training material provided (hard and soft copy) must be created using the Microsoft Suite of Products.

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## **Maintenance**

36. The service provider must provide a 24/7 contact in the event of failure or support.
37. The service supplier must have a certified technician available 24/7 for maintenance in the event of system or component failure.
38. The service provider must have a response time of 6 hours or less for a technician or a preauthorized subcontractor to be on-site in the event of system or component failure.
39. The service provider must repair and return the replaced defective part within fifteen (15) calendar days.

## **Constraints**

40. The Contractor must adhere to CBSA requirements for the installation of audio/video, network and power cabling infrastructure.
41. The contractor must provide knowledge, labor, materials, tools, equipment and services to install equipment, devices and components required for a complete operational audio/video system.
42. The contracting authority will be responsible to organize a mandatory site visit prior to submitting proposals
43. CBSA security restrictions require that all system updates be installed on site using a Compact Disc. System updates via the internet are strictly prohibited.

## **Compliance Verification Testing**

44. The Contractor must perform compliance verification tests with the project authority, prior to final delivery and acceptance of the system. The Contractor must provide personnel, equipment, instruments and other supplies to perform the test. The compliance test shall demonstrate that the installed AVMS components function and comply with the project technical expectation and specifications.
45. All camera location input points must be recorded singly (camera cabling direct to site storage media) both at night and day for a minimum of two (2) minutes each.
46. All physical and functional system requirements must be demonstrated as operable.

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47. The contractor will record each component's serial number, manufacturer name with complete model number, and IP address (where applicable), and submit a typed list along with the testing verification report.

48. Camera positioning and performance are to CBSA's satisfaction.

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**3Table 1: Camera Quantities and Types Required**

Camera #	Type	Lens	Mic Required	Location	Specifications (Refer to Table # above)
1	Fixed outdoor	normal	no	Inside the garage	5
				Tertiary Fixed outdoor looking to all doors	
2	Fixed outdoor	normal	no	Secondary Canopy Fixed outdoor looking to trunk of vehicles	5 Max 12 inches tall
3	Fixed outdoor	normal	no	Secondary Canopy Fixed outdoor looking to trunk of vehicles	5 Max 12 inches tall
4	Fixed Outdoor Cameras (Wide Angle)	normal	no	Primary lane Canopy view to passenger side of vehicle	7 Max 12 inches tall
5	PTZ outdoor	normal	no	Corner service building View to staff Parking	4
6	PTZ outdoor	normal	no	Corner service building View to south and PIL area	4
7	Fixed outdoor	normal	no	Primary Canopy camera looking to south traffic	5 Max 12 inches tall
8	Fixed Outdoor Cameras (Wide Angle)	normal	no	Primary Canopy looking into truck	7 Max 12 inches tall
9	Fixed outdoor PIL	normal	no	PIL Booth camera looking at Driver (car height)	6 Max 5 inches tall
10	Fixed indoor	normal	no	Lobby Counter camera looking to counter and vestibule entrance. Camera installation 8-10' from ground.	2
11	Fixed wide angle indoor	wide	no	Cell camera mounted on the ceiling at wall above toilet	3
12	Fixed indoor	normal	no	Detention corridor camera looking to Detention vestibule and detention area general. Camera mounted ceiling at wall.	2
13	PTZ outdoor	normal	no	PTZ outdoor light standard view to capture CBSA facility looking south. Camera mounted 25-25' up pole.	4
14	PTZ outdoor	normal	no	PTZ outdoor light standard view to capture CBSA facility looking north. Camera mounted 25-25' up pole.	4
19	Fixed outdoor PIL	normal	no	PIL Booth camera looking at Driver (truck height)	6 Max 5 inches tall

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## ANNEX "B" BASIS OF PRICING

All prices must be firm, in Canadian dollars, Delivery Duty Paid (Lyleton, MB). Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is extra while transportation costs to destination and all applicable custom duties and excise taxes are included, if applicable.

**Reference Part 3, Section IV - 1.2 Basis of Pricing of this RFP for details.**

<b>Lyleton, MB Port of Entry</b>	<b><u>Firm Lot Price</u></b>
1.2.1 Design & All Related Equipment	\$ _____
1.2.2 Installation and Testing Cost (travel & living excluded)	\$ _____
1.2.3 Travel & Living Expenses (training excluded)*	\$ _____
* Travelling required? YES / NO	
* Number of people? _____	
* Number of days? _____	
1.2.4 On-site training including related travel and living expenses	\$ _____
1.2.5 Documentation	\$ _____
1. Drawings: _____	
2. Operation and Maintenance Manuals and other technical documentations: \$ _____	
<b>TOTAL FINANCIAL VALUE:</b>	_____ _____

### **Firm Hourly Rates**

#### **Emergency Installation and testing cost**

	Normal Hours	Outside Normal Hours
1) <i>Labor category 1</i>	_____ / hr	_____ / hr
2) <i>Labor category 2 (if applicable)</i>	_____ / hr	_____ / hr
3) <i>Labor category 3 (if applicable)</i>	_____ / hr	_____ / hr
4) <i>If applicable</i>	_____ / hr	_____ / hr

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CCC No./N° CCC - FMS No/ N° VME

All prices must be firm, in Canadian dollars, Delivery Duty Paid (Coulter, MB). Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is extra while transportation costs to destination and all applicable custom duties and excise taxes are included, if applicable.

**Reference Part 3, Section IV - 1.2 Basis of Pricing of this RFP for details.**

**Coulter, MB Port of Entry**

**Firm Lot Price**

- 1.2.1 Design & All Related Equipment \$ \_\_\_\_\_  
1.2.2 Installation and Testing Cost (travel & living excluded) \$ \_\_\_\_\_  
1.2.3 Travel & Living Expenses (training excluded)\* \$ \_\_\_\_\_

\* Travelling required? YES / NO

\* Number of people? \_\_\_\_\_

\* Number of days? \_\_\_\_\_

1.2.4 On-site training including related travel and living expenses \$ \_\_\_\_\_

1.2.5 Documentation \$ \_\_\_\_\_

1. Drawings: \$ \_\_\_\_\_

2. Operation and Maintenance Manuals and other technical documentations: \$ \_\_\_\_\_

**TOTAL FINANCIAL VALUE:**

\_\_\_\_\_  
\_\_\_\_\_

**Firm Hourly Rates**

**Emergency Installation and testing cost**

1) *Labor category 1*

2) *Labor category 2 (if applicable)*

3) *Labor category 3 (if applicable)*

4) *If applicable*

Normal Hours

Outside  
Normal Hours

\_\_\_\_\_ / hr

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All prices must be firm, in Canadian dollars, Delivery Duty Paid (Goodlands MB). Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is extra while transportation costs to destination and all applicable custom duties and excise taxes are included, if applicable.

**Reference Part 3, Section IV - 1.2 Basis of Pricing of this RFP for details.**

**Goodlands, MB Port of Entry**

**Firm Lot Price**

- 1.2.1 Design & All Related Equipment \$ \_\_\_\_\_
- 1.2.2 Installation and Testing Cost (travel & living excluded) \$ \_\_\_\_\_
- 1.2.3 Travel & Living Expenses (training excluded)\* \$ \_\_\_\_\_

\* Travelling required? YES / NO

\* Number of people? \_\_\_\_\_

\* Number of days? \_\_\_\_\_

- 1.2.4 On-site training including related travel and living expenses \$ \_\_\_\_\_

- 1.2.5 Documentation \$ \_\_\_\_\_

1. Drawings: \$ \_\_\_\_\_

2. Operation and Maintenance Manuals and other technical documentations: \$ \_\_\_\_\_

**TOTAL FINANCIAL VALUE:**

\_\_\_\_\_  
\_\_\_\_\_

**Firm Hourly Rates**

**Emergency Installation and testing cost**

1) *Labor category 1*

2) *Labor category 2 (if applicable)*

3) *Labor category 3 (if applicable)*

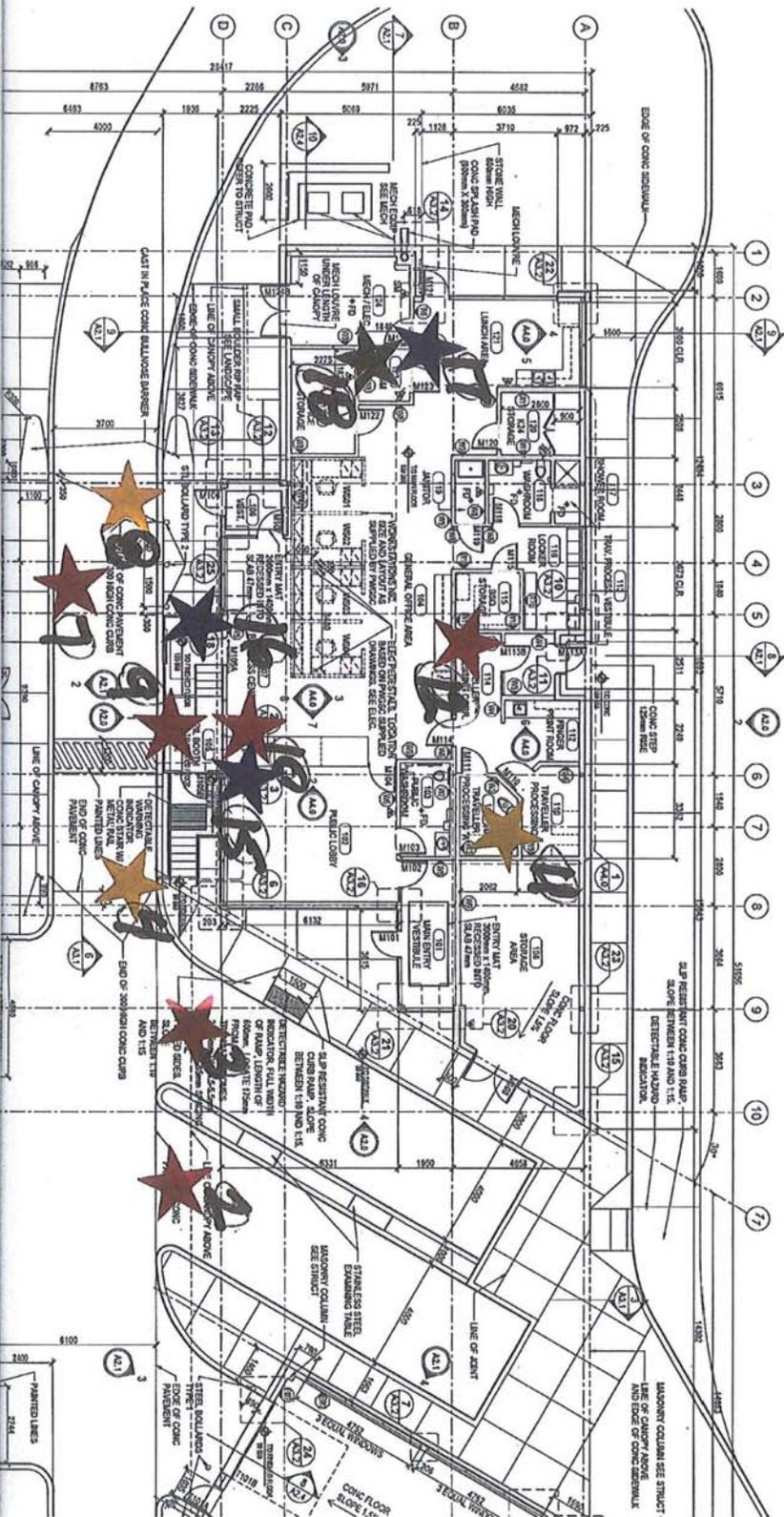
4) *If applicable*

Normal Hours

Outside  
Normal Hours

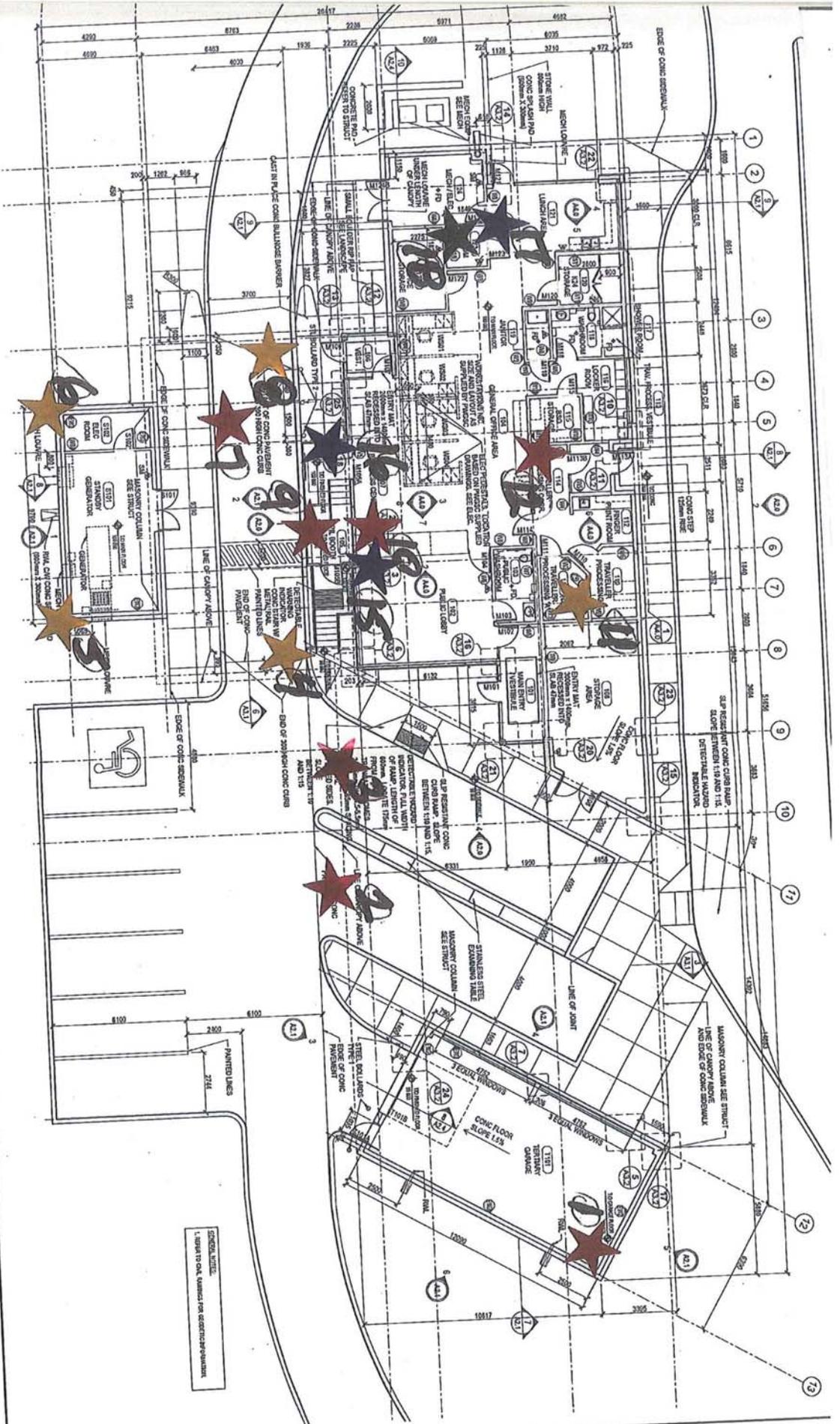
\_\_\_\_\_ / hr

★ PTZ Outdoor/Indoor  
★ Stationary Fixed  
★ Smeared  
★ Monitor



FLOOR PLAN

1:100

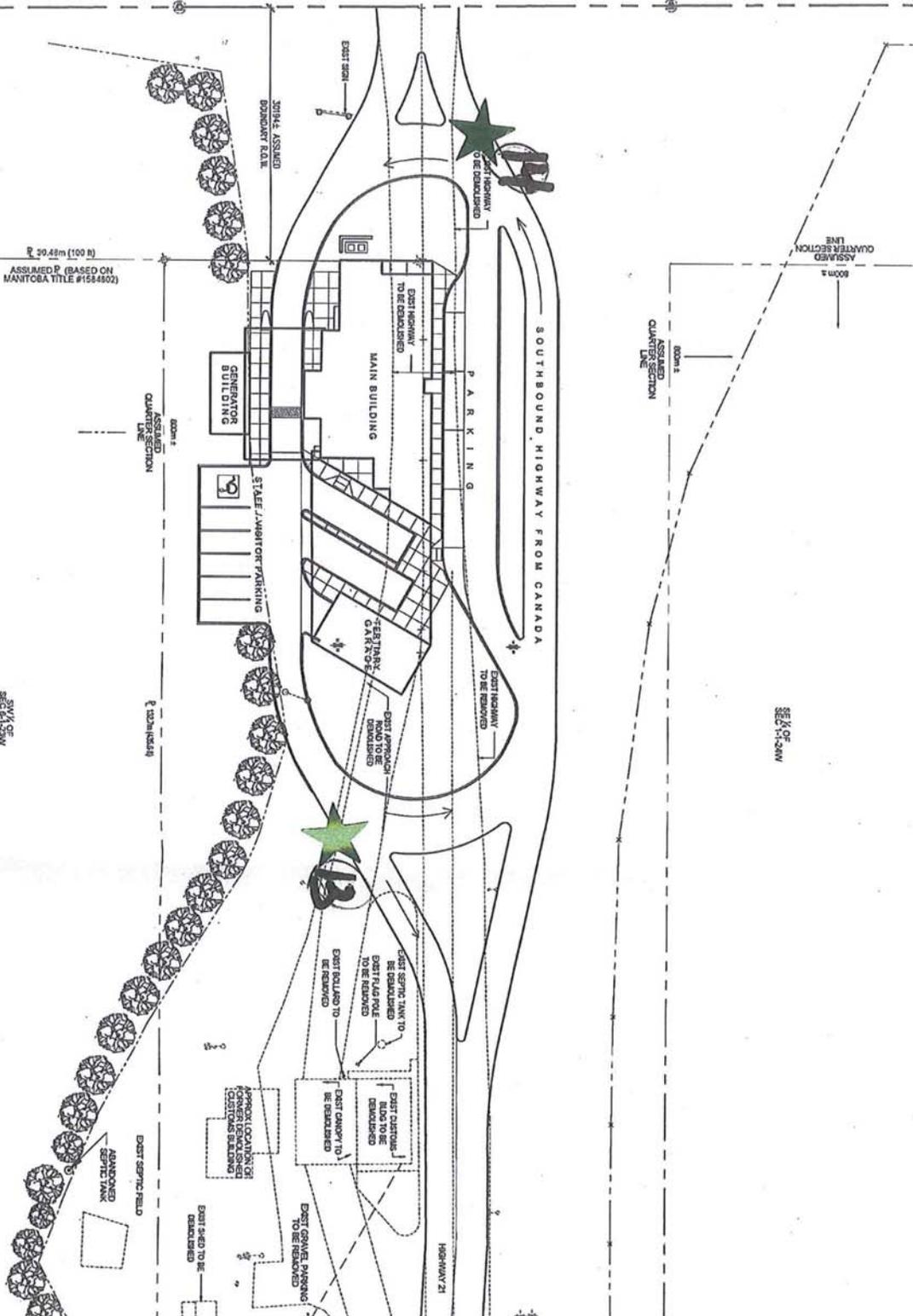


SPECIAL NOTES:  
1. REFER TO O.K. NUMBER FOR DESCRIPTION OF WORK.

Project	101
Client	CE
Architect	CE
Structural Engineer	CE
MEP Engineer	CE
Interior Designer	CE
Other	CE
Date	10/10/10
Scale	1:100
Sheet No.	F1

★ PT 2 outdoor Light Standards

INTERNATIONAL BOUNDARY CANADA / UNITED STATES BORDER



**Camera's**

- 1 Tertiary Fixed outdoor looking to all doors Camera
- 2 Secondary Canopy Fixed outdoor looking to trunk of vehicle Camera
- 3 Secondary Canopy Fixed outdoor looking to trunk of vehicle Camera
- 4 PTZ outdoor Primary Lane Canopy view to passenger side of vehicle Camera
- 5 PTZ outdoor Corner Service Building view to Staff Parking Camera
- 6 PTZ outdoor Corner Service Building view to South and PIL area Camera
- 7 Primary Canopy Fixed outdoor looking to south traffic Camera
- 8 PTZ Outdoor Primary Canopy looking into truck Camera
- 9 PIL Booth Fixed Outdoor looking at driver Camera located at both levels of the booth Commercial and Traffic (2)
- 10 Lobby Counter Fixed Indoor looking to counter and vestibule entrance Camera installation 8-10' from ground
- 11 PTZ indoor detention cell camera mounted ceiling at wall above toilet
- 12 Detention Corridor Fixed indoor looking to Detention vestibule and detention area general Camera mounted ceiling at wall
- 13 PTZ outdoor light standard view to capture CBSA facility looking south Camera mounted 20-25' up pole
- 14 PTZ outdoor light standard view to capture CBSA facility looking north Camera mounted 20-25' up pole
- 15 Monitor 32" Front counter above millwork mounted on wall mid counter 8'
- 16 Monitor PIL Booth 17" screen surface mounted
- 17 Monitor 32" Wall mounted outside Lan Room 123 8'
- 18 Server: Termination LAN Room 123 Directly across from door on back wall.