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**RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada**  
**800 Burrard Street, Room 219**  
**800, rue Burrard, pièce 219**  
**Vancouver**  
**British Columbia**  
**V6Z 0B9**  
**Bid Fax: (604) 775-9381**

**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

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

**Issuing Office - Bureau de distribution**  
**Public Works and Government Services Canada -**  
**Pacific Region**  
**800 Burrard Street, Room 219**  
**800, rue Burrard, pièce 219**  
**Vancouver**  
**British C**  
**V6Z 0B9**

<b>Title - Sujet</b> Stewart Port of Entry Redevelopment	
<b>Solicitation No. - N° de l'invitation</b> EZ899-160222/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b>	<b>Date</b> 2015-06-25
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWY-025-7523	
<b>File No. - N° de dossier</b> PWY-5-38027 (025)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-07-08</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Pacific Daylight Saving Time PDT
<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> Fung, Donna(PWY)	<b>Buyer Id - Id de l'acheteur</b> pwy025
<b>Telephone No. - N° de téléphone</b> (604) 666-9835 ( )	<b>FAX No. - N° de FAX</b> (604) 775-7526
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> CBSA - Stewart Port of Entry - Stewart, BC	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<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 (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>

Solicitation No. - N° de l'invitation

EZ899-160222/A

Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.

003

File No. - N° du dossier

PWY-5-38027

Buyer ID - Id de l'acheteur

pw025

CCC No./N° CCC - FMS No/ N° VME

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This Amendment 003 is raised to incorporate Addendum No. 1 and the BidCentral Online Bidding for Subcontractors (BOBS) Pre-Bid Interpretation 2.

Please see the attached Addendum No. 1 and the Pre-Bid Interpretation 2.

**All other terms and conditions remain unchanged.**

*The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project, to the extent referenced and shall become a part thereof. No considerations will be allowed for extras due to the Contractor, or to any Subcontractors or Supplier, not being familiar with this Addendum.*

**Response to Inquiries:**

1. Do you want us to install all the branch wiring in EMT and RW90 or can we use NMD90 or AC90?  
**Response: All branch wiring shall be in EMT and RW90.**
2. Is the covered inspection lane going to be part of this contract?  
**Response: Structures as per Appendix A 3.1.3 will be design built by Contractor.**
3. Is the rain water harvesting system shown on dwg C-008 fully engineered? If yes, will the EOR be taking responsibility for field review and associated documentation? If no, please fully detail outstanding required engineering.  
**Response: Yes, rain water harvesting system is fully engineered and EOR will perform field review and associated documentation.**
4. Same for civil/structural: will the EOR be providing field reviews and sched SBs etc? If no, please fully detail outstanding required engineering.  
**Response: Civil engineer engaged by Canada will provide field reviews and Schedules. Structural engineer engaged by Canada will provide field reviews and Schedules for foundation only. Contractor's consultants will provide signoffs on all components prescribed in Appendix A Section 3.1.3.**
5. Has the rain water harvesting system equipment shown on C-008 within the equipment room been laid-out to suit the equipment room? If yes, please provide schematic showing equipment placement. If no, do we require an engineer to design the equipment room layout? Or can we place equipment wherever we want within the room?  
**Response: The equipment has not been laid out and the Contractor can place equipment within the room to suit. If additional space is required, refer to General Notes #2 on A-001.**
6. In regards to the secondary buildings (covered parking, sewage treatment, generator shed, etc) are these designed/engineered? If yes, please provide drawings. If no, please provide additional information such that we can have design done as part of our SOW. Are we supposed to have these structurally engineered as well?  
**Response: The tender is based on design-bid-build contract with a lump sum fixed price, with design build components included as detailed in the Appendix A Section 3.1.3. Generally, those design build components shall be designed and engineered by the Contractor. All other work has been designed and engineered unless otherwise noted.**
7. Drawings note relocation of hydro poles by BCH. We want to confirm that there is no scope related to relocation or modification in any way to the existing poles or associated with the new ones. Please confirm.  
**Response: Contractor shall provide site coordination with BC Hydro. Relocation will not be within the scope of the project.**

8. What permits are required to be supplied by GC vs what permits will be supplied by owner.  
**Response: Contractor shall apply and bear all costs for all permit with Authorities Having Jurisdiction. Building permit shall be obtained by Contractor.**
9. Scope / limit of design – please confirm if the general contractor is responsible for the design of the civils, roads, buried water chambers, exterior electrical, exterior lighting and exterior security not attached to the structures or is the design responsibility limited to the covered canopy, the modular office above the foundations, the generator enclosure and the drive through inspection enclosure including the PIL booth.  
**Response: The design responsibility is limited to the covered canopy, the modular office above the foundations, the generator enclosure and the drive through inspection enclosure including the PIL booth as mentioned in Appendix A Section 3.1.3. Also, refer to item 6 above.**
10. As this is a design build tender, is any type of technical submittal required along with the single line item price – for example confirmation of BIM Level of design 500 and previous experience of BIM, consultants information, modular supplier, previous DB experience, schedule, cost break down etc., to allow a full understanding of the DB included scope and experience.  
**Response: No technical submittal is required. The Contractor shall fulfill all requirements identified in the tender documents and include all prescriptive as well as performance requirements as applicable. Contractor will only be required to provide a lump sum price for the Work. See also item 6 above.**
11. Please confirm if a building or mechanical permit or any associated fees are required.  
**Response: Refer to Question 9.**
12. Please confirm if “building permit drawings” are to be supplied to the town under the “good neighbour policy” and if the local building inspector is involved with on site inspections.  
**Response: Contractor shall obtain building permit from the local District and follow all related procedures and processes. Any delays attributable to the District in the issuance of a permit shall be immediately communicated to the Departmental Representative for consideration.**
13. Please confirm if the owners consultants will require field reviews at the modular assembly facility prior to drywall closure and shipping.  
**Response: Yes, owner inspection at modular assembly facility will be required. Photographic documentation maybe requested to expedite the inspection process. Timing of the site visit will be discussed with the Contractor upon award.**
14. The wall between the building and the covered inspection lane seems to indicate 2 windows but also indicates a solid wall on the inspection lane. Please advise if there are to be windows here.  
**Response: Yes there are two windows at the inspection lane.**
15. Does Room 115 – Traveller Processing C or S or any other areas require detention doors?  
**Response: Refer to Appendix A Section 3.14.**

16. The Bid form currently notes that the work is to be Completed by December 15, 2015 however; at the site visit it was noted that some site works can be done in spring. Please clarify this.  
**Response: Should inclement weather prevents the completion of weather sensitive installations, the Contractor may submit a request for contract extension to complete the outstanding items as deficiencies at a later date. The work shall nevertheless be substantially complete by December 15, 2015.**
17. Please confirm all wall finishes in the covered inspection lane.  
**Response: Drawing 3/A-005 shows the interior finishes of Covered Inspection Lane and is a continuation of the finishes of the Main Building. All other walls will have E4 painted finish.**
18. Please provide elevations and details for the covered parking structure and the generator shed.  
**Response: Contractor shall provide design to meet performance specifications and as per Appendix A Section 3.1.4.**
19. The EB drawings have a line around the covered inspection lane and indicate not in contract by electrical. Please confirm that all work is to be included by the BOB's Electrical Company. EB Drawings 002 to 005 carry the same note.  
**Response: See Eletrical Addendum #1 item 1. Electrical work called for in EB series drawings shall be completed by the the General Contractor as part of the design build component of the Work. The division of work between the modular company and the General Contractor shall be determined by these two parties themselves. Bob's Electrical shall include all work called for in E series drawings unless otherwise noted.**
20. Please confirm that cameras, fire alarm, all mechanical water treatment connections and comms within the modules are by BOB's contractor. Only conduits will be provide by the modular company.  
**Response: Cameras, fire alarm, all electrical and mechanical water treatment connections and comms within the modules are by the Contractor as part of the design-build component of the Work. The division of work between the modular company and the General Contractor shall be determined by these two parties themselves.**
21. Please confirm if the transfer switches & incoming mains are to be by the BOB's contractor.  
**The incoming mains are called out on the E series of drawings and shall be carried out by the BOB's Electrical. Transfer switch is called out on the EB series of drawings and shall be carried by the General Contractor. (The division of work between the modular company and the General Contractor shall be determined by these two parties themselves.)**
22. Please confirm the foundations of the existing structure.  
**Response: Please make the following assumptions. Existing foundation walls are around the perimeter of the existing structure. The concrete slab (protruding from the existing structure) is the foundation of the previous building structure and occupies 50% of the current existing building.**
23. Spec section 28 16 00 security systems general requirements para 1.7.1.: please confirm that this is to be deleted and all is to be new as per the spec section.  
**Response: Delete Section 28 16 00 Section 1.7.1**
24. Review design submittal stages. Can this be reduced from 2-3? Suggest 75% and 100%.  
**Response: Yes Design Development submittal stages shall be at 75% and 100% completion.**

25. Can the review period be reduced from 10 days to five days due to the overall schedule duration.  
**Response: Review period can be reduced to 5 business days if the submission date is accurately identified three weeks prior.**

**Architectural Addendum #1**

1. **Delete** Section 28 16 00 Section 1.7.1
2. **Add 3.13.11 (f)**  
Interior Drywall: MPI #138 X-GREEN Latex, Interior, High Performance Architectural, (MPI Gloss Level 4)  
Exterior Drywall: MPI #315 Latex, Exterior, High Performance Architectural, Low Sheen (MPI Gloss Level 4)  
Detention Block: MPI # 215 Epoxy-Modified Latex, Interior, Semi-Gloss (MPI Gloss Level 5)
3. **Replace 3.24.1(j)**  
Hand dryers: surface mounted, cast metal or ABS Polycarbonate cover, high speed, tap mounted hands free operation. To be provided in addition to the paper towel dispensers.
4. Contractor shall provide GPR scan as required for the project. As built drawings shall provide documentation to all new and existing services.
5. Contractor's queries shall not be directed to CBSA personnel. All questions shall be directed to PWGSC Contracting officer. Do not visit the site without prior approval for the purpose of this tender.

**Electrical Addendum #1**

1. **Delete the following note from EB-002 to EB-005**  
"CANOPY BUILDING IS N.I.C. CONTRACTOR SHALL PROVIDE EMPTY CONDUITS c/w PULL CORD CAPPED AND SEALED FOR ELECTRICAL PROVISIONS IN CANOPY BUILDING."
2. Drawing EB-001 to EB-006: Delete all instances of the wording "BY OTHERS"
3. Supply and install 2 units of Flowtron Model BK-80D Electronic Insect Killer - 1-1/2 Acres.
4. Provide assistance speaker telephone system and barrier gate control system in accordance with the attached specification section 27 32 26 - ASSISTANCE TELEPHONE.

**END OF ADDENDUM No. 1**

**Part 1            General**

**1.1               RELATED WORK**

- .1       This Section of the Specification forms part of the Contract Documents and is to be read, interpreted and coordinated with all other parts.
- .2       Refer to Section 26 05 00 Common Work Results.
- .3       Refer to Section 26 05 21 Wire and Cables.

**1.2               REFERENCES**

- .1       CSA C22.1 Canadian Electrical Code, Part 1 - 2012.
- .2       National Building Code / Provincial Building Code
- .3       BICSI Telecommunications Distribution Method Manual - most current edition.

**1.3               SYSTEM DESCRIPTION**

- .1       Provide a complete assistance speaker telephone system consisting of field devices, control panels, conduits, outlet boxes, cover plates, pull boxes, pull strings, wiring, curb side pedestal, and all other mounting hardware and trim items required to complete the systems function as indicated in the specified herein.
- .2       Provide two externally powered assistance speaker telephone for direct two-way voice communications with a Canada Border Services Agency (CBSA) agent located at a remote site. The unit shall be activated with a single push button, and shall establish direct voice communication with a preprogrammed remote voice telephone location. The communications shall be established through analog PTSN line. One assistance speaker telephone to be provided north of the highway gates to allow remote highway gate control and the other assistance speaker telephone to be provided at the south corner of the pre-fabricated building to allow remote control for the south and north canopy overhead doors. The two controls are to be independent with separate DTMF control tones to operate either the highway barrier gate or building overhead doors. Confirm exact locations prior to installation.
- .3       Provide isolated control outputs from the assistance speaker telephone located at the highway barrier gate to activate relay solenoid for remote operation of the Barrier Gate Operator. The output shall be capable of being remotely controlled via an appropriate DTMF command by the remote CBSA agent.
- .4       Provide isolated control outputs from the assistance speaker telephone located at the building to activate relay solenoid for remote operation of the building overhead door Operators. The output shall be capable of being remotely controlled via an appropriate DTMF command by the remote CBSA agent. Provide in-ground inductive loop at the north exit of the canopy to provide signal to close the overhead doors once a vehicle exists the canopy. Sensor loop to operate doors only when the site is unoccupied as set by a

switch located at the building's control station. Provide all necessary control panel to accommodate operation. Confirm location of loop prior to installation.

- .5 Provide all required interfacing hardware, wiring, and programming from the assistance speaker telephone system to the Barrier Gate Operator. Refer to "Appendix C – Barrier Gate Specification" for the gate operator product info, and coordinate with the gate operator manufacturer/integrator/contractor for the hardware and installation requirement.
- .6 Provision of programming and commissioning of the assistance speaker telephone systems shall be by qualified pre-approved contractor/vendor.

#### **1.4 SHOP DRAWINGS**

- .1 Submit shop drawings in accordance with Section 26 05 00.
- .2 Include:
  - .1 Overall system wiring diagram identifying equipment initiating signaling circuits; identifying terminations, terminal numbers, conductors and raceways.
  - .2 Details for devices.
  - .3 Details and performance specifications for control and peripherals with item by item cross reference to specification for compliance.

#### **1.5 SCOPE**

- .1 For the purposes of these specifications CBSA shall mean CBSA or their appointed representative PWGSC (Public Works and Government Services Canada).
- .2 Provide new assistance speaker telephone system devices (pedestal and concrete base) at the following locations:
  - .1 10m north of highway gate at west side of road to allow control of the highway barrier gate.
  - .2 South corner of the pre-fabricated building to allow control of both north and south canopy overhead doors.
- .3 Provide 1-15A #12 circuit in 50mm R.PVC conduit from the building panel to each of the assistance speaker telephone system devices location. Provide 24VAC power supplies as required.
- .4 Provide PTSN cable from the building communications room to each assistance speaker telephone system devices in 50mm R.PVC conduit via the communications vault located to the south of the building.
- .5 Provide 2#12 in 50mm from highway barrier gate assistance speaker telephone system device to the communication junction box located at the east or west side of the highway gate and connect assistance device dry contacts to the gate controller.
- .6 Provide 2#12 in 50mm from building canopy assistance speaker telephone system device to the communications room. connect assistance device dry contacts to the canopy overhead door controller.



- .7 Division 26 is to provide all necessary conduit rough in materials and labor to support the assistance speaker telephone system components.
- .8 Program the assistance speaker telephone with requirements of the CBSA as described herein.
- .9 Integrate the assistance speaker telephone for remote barrier gate operations as per the requirements of the CBSA.

#### **1.6 OPERATING MANUALS**

- .1 Operating manuals to be furnished as specified in Section 26 05 00 - Common Work Results.

#### **1.7 GENERAL REQUIREMENTS**

- .1 All new system components are to match existing system components. Contractor shall confirm on site all system component used prior to bid submission.
- .2 Systems to be complete with all necessary components to provide functions required whether or not each and every item is necessarily mentioned. All components to be production proven models. System to be supplied and installed by an established firm that is approved by the Owner and vendor.
- .3 Selection of system to be made on the basis of quality and suitability of equipment, service facilities available, experience, capabilities, and past performance of the contracting firm.
- .4 Before proceeding with installation, successful system installer to submit to the consultant for approval a complete detailed proposal as outlined in Section 26 05 00 - Common Work Results.
- .5 All wiring for systems to be PVC insulated, shielded, twisted pair, multi conductor or coaxial, as called for or as required. All wiring for systems to be plenum rated where required.
- .6 Selection of type of cable to be at discretion of system installer but the system, when complete, must perform to the complete satisfaction of the Consultant and must be free of all interference from cross-talk, hum, switch and relay noise, etc. All wiring to be terminated on terminal strips or blocks, and to be neatly installed, laced and tagged where required. All terminals in terminal panels and junction boxes to be made with solderless connectors to terminal blocks with a separate terminal for each conductor.
- .7 Contractor shall be fully trained and factory certified on the system as required by this document.
- .8 All hardware required to make programming changes to the system(s) shall be included with the system.
- .9 All systems shall be locally managed and may require the ability to be remotely controlled and configured.

- .10 CBSA will have complete control of the operation of the system(s) while the building is occupied by CBSA or its tenants.
- .11 All equipment shall remain the sole property of CBSA and the installing company will not retain ownership or control of the system.
- .12 All systems shall be configured to be managed onsite. Certain systems may require the ability to be remotely controlled and configured (as specifically identified on a site by site basis).
- .13 Coordinate and cooperate with other trades for timely completion of the Work.
- .14 All exceptions to these standards and specifications (including the determination of equivalencies) shall be at the sole discretion of CBSA.

#### **1.8 LICENCES, APPROVALS, PERMITS, & STANDARDS**

- .1 The contractor shall be responsible for all permits, licenses, inspections and related fees.
- .2 Prior to execution of work, the Contractor shall obtain all necessary permits and licenses for compliance with Federal, Provincial and Municipal laws and regulations.
- .3 The contractor shall not sub-contract any portion of the installation without prior approval of CBSA or PWGSC.

#### **1.9 CLOSEOUT SUBMITTALS**

- .1 Provide operation and maintenance data for the system for incorporation into manual specified in Section 26 05 00.
- .2 Include:
  - .1 Instructions for complete each system to permit effective operation and maintenance.
  - .2 Technical data - illustrated parts lists with parts catalogue numbers.
  - .3 Copy of approved shop drawings with corrections completed and marks removed except review stamps.
  - .4 List of recommended spare parts for system.

#### **1.10 TRAINING**

- .1 Training shall be provided for each individual system as required by this document. Training shall include a minimum of two (2) hours per individual system and shall be conducted at a time that is mutually agreeable to both the contractor and CBSA.

#### **1.11 WARRANTY**

- .1 The warranty period with respect to the Contract is one (1) year from the certified date of Substantial Performance of Work.

- .2 Defective equipment to be repaired at site, and failing this a suitable replacement unit shall be supplied to keep the system operational until the original unit is returned.
- .3 Warranty certificate must include all Company contact information (address, contact person(s), telephone (regular hours and emergency after hours, fax and email) with master Maintenance Manuals.

## **1.12 WASTE MANAGEMENT AND DISPOSAL**

- .1 In accordance with Section 26 05 00 and Division 01.

## **Part 2 Products**

### **2.1 OPERATIONAL REQUIRMENTS**

- .1 Assistance speaker telephone systems installed in Canada Border Services Agency (CBSA) facilities shall operate on a 24-hour basis throughout the year.
- .2 All systems shall include sufficient back up power supply to operate all devices simultaneously without drawing more than 80% of the capacity of the power supply. The backup power system shall have sufficient capacity to operate the entire system for a minimum of 24 hours under normal operating conditions. (All batteries to be minimum 7 amp hour).
- .3 Each system shall have sufficient power supply to operate the system and the manufacturers' recommended power for the system shall be less than 80% of the power supply rated power output.

### **2.2 PRODUCTS - GENERAL**

- .1 All products being delivered shall be from reputable industry recognized manufacturers regularly engaged in the production of models and types of equipment used in the industry. Products shall be quality control tested and verified for the intended operation prior to installation at site.
- .2 Products shall conform to the standards of the Canadian Standards Association or CSA recognized approved equivalent. All materials, including hardware and software being supplied, shall be new and of the latest version or production model.
- .3 Equipment specifications are intended to provide a baseline reference for the type of materials that are to be installed. Contractor shall insure that all equipment being offered meets or exceeds the minimum requirements for intended operation.
- .4 Reference manufacturer's products have been approved as standard equipment for installation at CBSA facilities and shall not be substituted or replaced with unapproved alternates without written approval from CBSA.

## **2.3 ASSISTANCE SPEAKER TELEPHONE**

- .1 The unit shall be a vandal-resistant, high quality DSP-based full duplex analog speakerphone, intercom and paging device. It shall have user programming capabilities, reliability, auxiliary functions, fault monitoring and reporting, and Public Address System control. Standard touch sensitive buttons, cast bezels with Braille signage, dual call progress indicators and conformal coated PCBs set the industry standard for an emergency communications device.
- .2 Construction
  - .1 The faceplate shall be constructed of at minimum 2.6mm (0.104") thick stainless steel with custom-designed, vandal-resistant microphone and speaker openings. Minimum NEMA/Type 3R rated.
  - .2 A stainless steel screen shall be mounted between the faceplate and speaker for additional vandal resistance and weatherproofing.
  - .3 An 88.9mm (3.5") weatherproof speaker and optional keypad shall be mounted via 12.7mm (.50") stainless steel studs, locking washers and lock nuts.
  - .4 Piezoelectric buttons that are self-monitoring and contain no mechanical parts shall be mounted in a cast aluminum bezel via locking nut and rubber washer.
  - .5 Button bezels shall be made of cast aluminum and mounted via stainless steel studs, locking washers and lock nuts.
  - .6 One red LED light and one green LED light will be utilized beneath CALL PLACED and CALL RECEIVED signals.
  - .7 Aluminum stand offs and locking washers shall be utilized to mount conformal coated electronics. A molded plastic housing shall be secured with aluminum standoffs, locking washers and stainless steel screws. Weatherproof modular connectors shall be utilized for external power, auxiliary, PAS control, communication, audio output connectivity.
  - .8 Faceplate shall have an optional four-coat paint process, with zinc-rich primer for corrosion resistance and baked-on polyurethane enamel for maximum gloss and shine.
  - .9 Optional clear coating process available to provide additional environmental protection.
- .3 Features
  - .1 The enclosure shall be capable of using interchangeable faceplates: single button, two button or two button with keypad.
  - .2 The unit shall have nine number storage capabilities, and nine digital messages with up to 30 seconds each.
  - .3 The unit shall have four button inputs.
  - .4 The unit shall also have two auxiliary inputs/three auxiliary outputs.
  - .5 Three Normally Open/Three Normally Closed
  - .6 The unit's sleep mode < 4 mA power draw
  - .7 The unit shall have multiple programming options, including silent monitoring from a remote location, immediate PAS mode and programmable ring time.

- .8 The unit shall have self-monitoring capability and fault reporting for loss of power, low battery voltage and PAS speaker/amplifier.
- .9 There will be multiple password protection levels for security.
- .10 It shall be built with powerful DSP technology.
- .11 It shall have an operational temperature of -40° to 70° Celsius (-40° to 158° Fahrenheit).
- .4 Power
  - .1 12-24V AC/DC primary power supply
  - .2 12V DC auxiliary power supply
  - .3 SLA/AGM battery backup:
  - .4 504 hours standby
  - .5 40 hours talk time
  - .6 Non-volatile memory ensures programming is retained during power loss.
- .5 Product Manufacturer and Model (Analog / IP)
  - .1 Code Blue IA4100 / IP5000
  - .2 Gai-Tronics 393AL-00xAD / 393AL-700
  - .3 Talk-A-Phone ETP-400C / VOIP-500C

## **2.4 CURBSIDE PEDESTAL**

- .1 The unit shall be a vandal-resistant communications device that is a multi-functional, freestanding pedestal with an angled top and constructed of carbon steel. It shall include a high quality, hands-free communications device illuminated by a high intensity faceplate light that serves to easily identify it from a distance.
- .2 Construction
  - .1 The unit shall be a cylinder constructed of ASTM A500 seamless carbon steel structural tube, schedule 20, 325mm (12.75") outside diameter x 6.4mm (0.25") thick wall, at a height of 1524mm (60"). It shall be manufactured with a 30-degree backward slope to the top.
  - .2 The unit shall have an internal anchor base plate that is MIG welded and fabricated with a minimum of 12.7mm (0.50") thick A-36 grade steel plate. It shall have a 127mm (5") diameter center hole for electrical conduit access. The base plate shall have four oblong holes on a 203mm (8") circular bolt pattern for attachment.
  - .3 An access door will be placed 278mm (10.94") from the bottom of the base to provide access for mounting to the anchor bolts and connectivity to electrical facilities. The opening shall have a cover plate, which mounts flush and is the same steel and radius as the unit. The cover plate shall fit into the opening and have a weather-resistant gasket.
  - .4 A recessed opening shall be cut at a point beginning 930mm (36.6") above the bottom of the unit. The opening shall be 384mm (15.1") tall at the forward edge and 305mm (12") tall at the rear edge, creating a 25-degree angle from the horizontal and an arc of 160 degrees in the face.

- .5 The opening shall be enclosed by a 7 gauge steel plate with a single opening for a communication device.
- .3 Mounting
  - .1 The unit shall be mounted onto four anchor bolts that are set 6.4mm (0.25") above the concrete. Standard 0.75" x 24" galvanized steel anchor bolts, nuts and washers shall be supplied.
  - .2 The concrete foundation shall measure 610mm x 610mm (24" x 24") minimum and the anchor bolts shall protrude 6" from the foundation.
  - .3 Unit shall include a weather-resistant, vented rubberized gasket mounted into the base to prevent entry of sediment and pests.
- .4 Electrical
  - .1 All electrical components shall have a modular plug for easy service and replacement, and will be equipped with a fuse for protection from transient voltage conditions.
  - .2 Requires 0.5 ampere at 24V AC.
  - .3 Voltage options shall include: 12-24V AC/DC; 120, 240, 277 and 347V AC.
  - .4 The unit shall have the option for Power over Ethernet for connectivity to a VoIP network switch with 802.3af (minimum) capabilities.
- .5 Lights
  - .1 Faceplate light: LED will direct light onto the communications device and be vandal resistant.
  - .2 The light shall have a lifetime of 100,000 hours and a rating of 100 Lumens.
- .6 Communications
  - .1 The unit shall have a speakerphone communication device with Analog PTSN or VoIP communications.
  - .2 TIA, ANSI, CSA and BICSI cabling or similar standards shall be adhered to for proper operation of devices connected to copper or fiber infrastructure.
- .7 Finish
  - .1 Four-coat paint process, with zinc-rich primer for corrosion resistance and baked-on polyurethane enamel for maximum gloss and shine.
  - .2 Optional clear coating process available to provide additional environmental protection.
  - .3 The polyurethane finish shall be Safety Yellow.
  - .4 Minimum coverage thickness of 2.0 mils.
- .8 Compliance
  - .1 Americans with Disabilities Act (ADA) compliant
  - .2 UL 60950-1 and UL 2017 listed
  - .3 NFPA 72 Chapter 24 (2010) compliant
  - .4 Meets NEMA 4X and IP56 requirements

- .9      **Warranty**
  - .1      The pedestal shall be warrantied against any defects in material and workmanship, under normal use, for a period of 2 years from date of installation. If system is found by manufacturer to be defective within the warranty period, manufacturer shall repair and/or replace any defective parts, provided the equipment is returned to manufacturer.
- .10     **Product Manufacturer and Model**
  - .1      Code Blue (CB9-S)
  - .2      Gai-Tronics
  - .3      Talk-A-Phone

**Part 3           Execution**

**3.1           INSTALLATION**

- .1      Installation shall be in accordance with the manufacturer's specifications and installation procedures and fully comply with all applicable Codes & Regulations.
- .2      Contractor shall test and commission fully operational and functional systems prior to turnover to the CBSA. CBSA reserves the right to verify the contractor's test results to determine if system operation is satisfactory and contractor will be responsible to correct any deficiencies at no additional cost to CBSA.
- .3      All cables shall be permanently identified and listed on as-built drawings as follows:
  - .1      Cable number
  - .2      Source
  - .3      Destination
- .4      Electrical panel circuit number shall be clearly identified on all system panels.
- .5      All work shall be installed in a neat and workmanlike manner. The contractor is responsible for clean-up and disposal of all garbage and debris caused as a result of their work.
- .6      Wiring penetrating any horizontal or vertical assembly required to have a fireresistance rating shall be in accordance with the local AHJ. Conduits or cables shall be tightly fitted and fire stopped where necessary to maintain fire rating.
- .7      Contractor shall repair at no cost to CBSA, any surfaces, finishes, equipment or structures damaged by the execution of their contract to its original condition.

**3.2           PATHWAYS**

- .1      Unless otherwise specified, CBSA assistance speaker telephone systems wiring shall be run in conduits and concealed unless otherwise authorized by SSBC.

- .2 All wiring and cable installed and connected shall be installed in conduit or protective covering. Conduit connecting to field devices and enclosure shall be terminated and secured up to the enclosure to conceal all wiring and connections. Where applicable, the contractor shall coordinate installation of conduit and raceways with electrical contractor to meet these requirements. Conduit not to be filled past 40% capacity.

**END OF SECTION**



## **PRE-BID INTERPRETATION No. 2**

**Date:** June 24, 2015  
**To:** All Plan Holders  
**Project:** Stewart Port of Entry Redevelopment  
**Bid Calling Authority:** Public Works and Government Services Canada

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As allowed under Rule 1. F. Pre-Bid Interpretations, we are hereby issuing the following clarification to all plan holders. Unless defined herein the Standard Exclusions will apply; *General Contractors are responsible to include all work that may be excluded from a BidCentral Online Bidding for Subcontractor's (BOBS) Bid as they deem necessary.* This document does not imply a requirement to include work not specified:

### **1. Closing Date, Time and Location**

Amended: The BidCentral Online Bidding for Subcontractors (BOBS) closing will be up to 3:00 PM local time on July 6, 2015. For information refer to the BidCentral website at [www.bidcentral.ca/bobs](http://www.bidcentral.ca/bobs)

### **2. BOBS Scope of Work**

Pre-Bid Interpretations as defined in Rule 1.F. of the Rules of Procedure will be issued as required to define scope of work clarifications for the extent to which work specified in the Project Documents is included or excluded in the Trade Contractor's Bid.

Pre-Bid Interpretations will be available on-line through BOBS under the 'Documents' tab. It is the responsibility of the Users to ensure they check for this information and are aware of the requirements.

Scope of work questions are to be referred to Warren Perks, Provincial Administrator at:

Phone: 250-475-1077  
Fax: 250-475-1078  
Email: [warrenp@bccassn.com](mailto:warrenp@bccassn.com)

END  
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BidCentral Online Bidding for Subcontractors per;



Warren E. Perks, Administrator

<b>All Plan Holders should insure that copies of this Pre-Bid Interpretation are forwarded to all those to whom they have issued copies of the project documents.</b>
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