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**Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
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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> Fire Alarm System Replacement	
<b>Solicitation No. - N° de l'invitation</b> EZ899-182295/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b>	<b>Date</b> 2018-01-31
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWY-031-8273	
<b>File No. - N° de dossier</b> PWY-7-40321 (031)	<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 2018-02-08</b>	
<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> Leung, Janie	<b>Buyer Id - Id de l'acheteur</b> pwy031
<b>Telephone No. - N° de téléphone</b> (778) 919-3273 ( )	<b>FAX No. - N° de FAX</b> (604) 775-6633
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> CSC - Mission Institution - Mission, 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</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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**Les documents français seront disponibles sur demande.**

This Amendment #001 is raised to post the site visit attendees list, to address questions, to issue Addendum #1, and to include Appendix C – Fire Alarm Inspection Report.

**Site Visit Attendees**

Northfort  
Phoenix Fire  
JCI – Simplex  
Sasco  
Status Electric

**Questions and Answers**

- Q1) Will a location be provided for trailers and or sea cans? Temporary Power available?  
A1) A location will be provided for a reasonable number of trailers or sea cans. Some temporary power will be available; pay for connection costs.
- Q2) Count times, do we have to stop work? how long is the count?  
A2) The count time applicable to this contract is 1100 am to 1200 noon (one hour). At that time, workers may not be inside inmate-occupied living areas. The inmate-occupied living areas includes (a) the entire building for units A1 to A23 and (b) the six inmate bedroom areas of Building LU24. An example of one of the six inmate-occupied bedroom areas in Building LU24 includes rooms E100 to E116. Make prior arrangements at least 24 hours in advance with the Departmental Representative for work in Building LU24 during the count time in non inmate-occupied living areas where alarmed doors may be opened. The count time work restrictions are applicable in inmate-occupied living areas and not in other buildings. Work in an empty living unit (A1 to A23) is exempt from count time work restrictions.
- Q3) What are the conduit sizes and current fill of U/G conduits shown on E-01?  
A3) Typically conduits routed from buildings are dedicated 53mm fire alarm conduits with approximately 10% fill. Conduits between manholes are typically 103mm with approximately 30% fill. Conduits for Building 1 are typically 103mm and 25% fill.
- Q4) Confined Space requirements for pull pits? What is the depth of the pull pits?  
A4) Typically the pull pits are 1.2 x 1.2 x 1.2 and are pre-cast cubes. Comply with industry-standard confined space requirements. Some pull pits have round cast iron lids, others have hinged square lids.
- Q5) Has a confined space hazard assessment been completed for pull pits?  
A5) Yes.
- Q6) Confirming that the living units will be empty during the work.  
A6) One of the living units (A1 to A23) will be empty with no inmates. All work shall be completed in each living unit before the next living unit will be emptied.
- Q7) Can the existing verification report be supplied for reference?  
A7) The latest Annual Test Report is attached to Addendum No. 1 as Appendix C.
- Q8) Is Fiber required from Main network panel to computer, drawing E-19. If not required, what is the requirement.  
A8) A dedicated fibre cable is required from the Main Network Panel in Building 1 to the computer (network annunciator workstation) in Building LU-24. The drawing incorrectly shows a direct connection from the computer to the local fire alarm panel.
- Q9) On drawing E-00, Note 3. Please clarify. Drawing E-02 location shows a bell. Is this supposed to be an audible/ visual notification appliance. How are we to know what is required if not on the drawing? Are all Bells being changed to audible/ visual notification appliance.  
A9) Refer to General Note 9 on Drawing E-00 where it states all existing bells, chimes and visual appliances shall be replaced with new audible/visual notification appliances.

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- Q10) E-00 note 20, states to use liquid tight on all new sprinkler devices. Please confirm that there are no new sprinkler devices.  
A10) There are no new sprinkler devices. Provide liquid tight conduit where wiring to sprinkler devices is replaced.
- Q11) E-00 note 35. Is the generator currently connected to the fire alarm panel? What contacts are currently monitored?  
A11) The generator is currently connected to the fire alarm system. Engine run and a common alarm are monitored.
- Q12) Are there currently any flush mounted F/A Panels?  
A12) The fire alarm panel in Building 27 and the annunciator in Building LU-24 are flush mounted.
- Q13) Can a blank cover plate be used to cover existing devices that had to be moved?  
A13) Yes.
- Q14) In the mechanical rooms in the living units, the new pull stations being installed, can they be surface mounted with surface mounted conduit in to the ceiling space?  
A14) Yes the pull stations may be surface mounted. Refer to specification 260534.3.02.2.
- Q15) Please confirm height of pull station. Section 8.1.1 of the 2014 national standard of fire alarm systems states that "pull stations shall be mounted at a height of 1050mm to 1150mm above finished floor to the center"  
A15) Pull station electrical device boxes shall be installed 1150mm above finished floor to the centre of the box.
- Q16) Are living units 1-23 required to have control module for stove shut down?  
A16) No.
- Q17) Are the furnaces required to shut down?  
A17) Furnace shutdown is not required.
- Q18) Smoke/CO detectors, what is the requirement for the CO annunciation and notification? Sounder bases for CO notification?  
A18) Sounder bases are required for all combination Smoke/CO detectors. Upon CO detection, sounder bases to activate, alarm to be annunciated in local panel, main annunciators in Building 1 and in network annunciator workstation in Building LU-24. CO detection not to activate bells.
- Q19) Length of time to move the residents of a living unit back into a living unit.  
A19) Provide the Departmental Representative with at least 48 hours notice when work in each living unit will be finished. A second empty living unit is being reserved to allow for swing space. Allow for 50% of the transitions from one living unit to another to be seamless with no delay time and allow for 50% of the other transitions to be one working day delay. Plan to work in other areas of the institution while waiting to get into a new living unit. The answer above for Question 19 applies to living units A1 to A22. For Living Unit LU24, inmates will be removed from their bedrooms while work is done in each specific inmate-occupied area.
- Q20) Fire alarm spec item 2.16.6 and drawing E-19 mention that the computer work station must be a node on the fire alarm network. Is the intent of this item to ensure that the failure of any node and or the malfunctioning of a section of fibre will not impact performance of the work station?  
A20) Yes.
- Q21) Note 3 on drawing E-10 calls for duct detectors with weather proof enclosures. Is the weather proof enclosure required to be ULC listed for use the duct detector?  
A21) The enclosure does not require ULC approval.
- Q22) Note 28 on drawing E-00 calls for weather proof ULC listed annunciator enclosures. I don't believe that any are called for in the documents. However, in case I missed one or more, I have been informed that no fire alarm manufacturer offers a ULC listed enclosure. In the event that there is need for one, can the annunciator be located inside to avoid ULC issues?  
A22) There are no outdoor annunciators.
- Q23) Are the smaller network FA panels required to utilize LED annunciation in addition to the standard LCD display?

- A23) All fire alarm panels in buildings other than the fire alarm panel for Building 1 require LCD annunciation and not LED annunciation. The remote annunciator for Building LU24 shall have LCD display and LED annunciation (at least 30 zones) and programmable LED push buttons (at least 6).
- Q24) Drawing E-18. Building 4 (recreation) is not included on the existing one-line, could you provide which distribution panel this building is fed from.
- A24) Building 4 (recreation) is shown on Drawing E-18 at the top centre of the drawing and is shown connected to Building 1.

Please see Addendum #1 as attached.

Please see Appendix C – Fire Alarm Inspection Report under Attachments.

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

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

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## **SPECIFICATIONS**

### **.1 Section 01 01 50 – General Instructions**

#### **Clause 11 – Quality Control**

- (1) **Add:** New paragraph .4.2 “Provide progress photographs every two weeks showing important elements of work. Store photos on FTP or equivalent secure internet web site. Organize photographs by date and location. At end of project provide electronic copy of all photographs with close out documents. Provide permission to allow selected Departmental Representative-approved staff to upload documents to the FTP site and to copy documents from the site. Use the FTP site to store minutes of meetings, photographs, reports, monthly summaries and similar project documentation.”
- (2) **Add:** New paragraph .4.3 “Provide monthly summaries of work.”

### **.2 Section 28 31 00 – Fire Alarm**

- (3) **Modify:** Formatting of text for Clause 2.18 as follows:

#### **2.18 FREEZER/COOLER DEVICES**

- .1 Suitable for low temperature, below 0 deg C operation in a freezer.
- .2 Non sub-zero degree-rated electronics not permitted within freezers or coolers.
- .3 Low-profile devices.

## **DRAWINGS**

### **.1 Drawing E-00 – Cover Sheet**

- (4) **Add:** General Note #37:  
37. A COPY OF THE LATEST FIRE ALARM INSPECTION REPORT HAS BEEN INCLUDED AS AN APPENDIX WITHIN THE SPECIFICATION. DEFICIENCIES LISTED IN THE REPORT ARE NOT CONSIDERED WITHIN THE SCOPE OF THIS CONTRACT UNLESS SPECIFICALLY INCLUDED IN THE SPECIFICATIONS OR DRAWINGS. ONE OF THE MAIN PURPOSES OF INCLUDING THE REPORT AS AN APPENDIX IS TO ESTABLISH THE NUMBER OF FIRE ALARM DEVICES INCLUDED WITHIN THE SCOPE OF THIS
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CONTRACT. WHERE THERE IS A DISCREPANCY BETWEEN THE REPORT AND THE DRAWINGS REGARDING THE NUMBERS OF FIRE ALARM DEVICES, THE MAXIMUM NUMBER SHALL BE USED. FOR EXAMPLE, IF THE DRAWINGS SHOW 30 FIRE ALARM DEVICES IN ONE BUILDING AND THE REPORT INDICATES 32 DEVICES, ALLOW FOR 32 FIRE ALARM DEVICES. DEVICES INCLUDE BELLS, CHIMES, SMOKE DETECTORS, DUCT SMOKE DETECTORS, HEAT DETECTORS, PULL STATIONS, FLOW SWITCHES, TAMPER SWITCHES, PRESSURE SWITCHES AND SIMILAR FIRE ALARM EQUIPMENT.

## .2 Drawing E-07 – Floor Plans – Group F

Building 4

- (5) **Change:** floor plan as follows:  
“Add an existing fire alarm bell in each of rooms 100 and 101 for a total of two existing fire alarm bells in the building.”

## .3 Drawing E-14 – Floor Plans – Group M

Building 10

- (6) **Add:** Note B:  
Fire alarm equipment shall be suitable for a dusty environment.
- .1 NEMA 4X, vented with filters for heat dissipation, powder-coated to match red colour of other fire alarm panels, window, quarter-turn locking door closures (3), quarter-turn locking handle, keyed same as other panels, hidden hinges and meeting other specifications of fire alarm panel enclosures.
  - .2 Pull stations, weatherproof
  - .3 Notification appliance, weatherproof
  - .4 Heat detectors, moisture resistant
  - .5 Addressable modules for heat detectors and pull stations.

## .4 Drawing E-19 – New Single Line Diagram

- (7) **Change:** fibre connection for Network Annunciator Workstation as follows:  
“Provide a dedicated fibre cable routed from the Network Annunciator Workstation to the Main Network Panel in Building 1.”
- (8) **Clarification:** for fibre connections to the Main Network Panel in Building 1:  
“All fibre connections to the Main Network Panel in Building 1 shall be a direct connection to the panel and not looped, except where specifically indicated otherwise.”
- (9) **Clarification:** for looped fibre connections to the Main Network Panel in Building 1:
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“For fibre connections for the following groups of buildings (a) 28 to 29b (b) A13 to A23 and (c) A1 to A11, provide separate dedicated Class A fibre loops (3 separate loops).”

- (10) **Clarification:** for looped fibre connections to the Main Network Panel in Building 1: “For cabling from A9 Distribution Centre to the Main Network Panel in Building 1, provide two separate fibre cables.”
- (11) **Clarification:** for looped fibre connections at A9 Distribution Centre: “A9 Distribution Centre is a physical telecom room and is not a fire alarm panel. Loop the fibre cables via patch cables in this room.”

#### **OTHER DOCUMENTS**

- .1 (12) **Add:** Appendix C – Fire Alarm Inspection Report (121 pages)

**END OF ADDENDUM No. 1**

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