



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving Public Works & Government Services  
Canada/Réception des soumissions Travaux publics et  
Services gouvernementaux Canada  
1713 Bedford Row  
Halifax, N.S./Halifax,(N.E.)  
B3J 1T3  
Halifax  
Bid Fax: (902) 496-5016

**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**  
Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.E.)  
B3J 3C9  
Halifax  
Nova Scot

<b>Title - Sujet</b> BIO - Water Infrastructure Renewal	
<b>Solicitation No. - N° de l'invitation</b> EB144-180894/A	<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b> EB144-18-0894	<b>Date</b> 2017-09-05
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWA-310-5635	
<b>File No. - N° de dossier</b> PWA-7-78054 (310)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-09-06</b>	<b>Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT</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> Stevenson, Jacquelyn	<b>Buyer Id - Id de l'acheteur</b> pwa310
<b>Telephone No. - N° de téléphone</b> (902) 403-3520 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<b>Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:</b>	

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

## AMENDMENT 005

Amendment 005 is being raised for the following reasons:

## Closing Date

Bidders are advised that the closing date is being extended from September 6, 2017 to **Tuesday, September 12 2017 @ 1400hrs.**

## Specifications

**DELETE** Spec entitled 645564-0001-T-30-SPE-000-0005\_C01 – posted to [www.buyandsell.gc.ca](http://www.buyandsell.gc.ca) on September 5, 2017  
**INSERT** Spec entitled **645565-0001-T-30-SPE-000-0005\_C02**

## Questions & Answers

- Q1: Please provide information as to what areas/buildings are effected due to the shutdown required to make the cross connection at station 1+130 on drawing C05.**
- A1: The Argo Building (see Dwg C01, southeast corner of viewport) will be the only building that will require complete shut-down. It is the understanding that all remaining buildings can be re-fed from redundant campus supply.
- Q2: Please provide information as to what areas/buildings are effected due to the shut down and replacement of the water main for the lower court yard work shown on drawing C06. If temporary water supply is required to maintain water service, the contractor needs to know the effected buildings and areas within BIO to price any temporary water work. If temporary water is required are we to include temporary sprinkler service as well? If so what buildings would require temporary sprinkler service?**
- A2: The Van Steenburgh Building, the Vulcan Building, and the Strickland Building (See Dwg C01, southern edge of viewport) will be affected by the replacement of the water main. Interruption of water service shall be in accordance with sub-section 1.6 of Specification Section 33 11 16. If interruption exceeding these limits is required, provide temporary water service to those affected buildings.

**Q3: Please provide information as to what areas/buildings are effected due to the shut down and replacement of the 150mm water main work shown on drawing C02 near the southwestern corner of the Vulcan Building.**

A3: The Fish Laboratory Building will Building (See Dwg C01, southern edge of viewport) will be affected by the replacement of the water main, as well as the fire hydrants on the projecting jetty. Refer to previous response for temporary supply requirements.

**Q4: Regarding the temporary force main bypass piping, what is the incoming flow rate that is required to be maintained via the temporary bypass?**

A4 Incoming flow is unknown. Provide temporary bypass consistent with existing piping.

**Q5: Section 01 29 00 Measurement and payment lists item .17 Temporary force main bypass. Should there be a corresponding item in the unit price table for this?**

A5: Please refer to Item 1.3.17 in the unit price table.

**Q6: Can you confirm the pay quantity for item 25 in the bid form for connections to existing pressure pipe is in fact 19. There are only 2 connections shown on the drawing.**

A6: Estimated quantity confirmed, which includes all new connections to all existing pressure pipe, including water and sanitary.

**Q7: Section 01 29 00 Measurement and payment lists item .19 Storm Main. IS there any storm main work to be priced? Should there be a corresponding item in the unit price table for this?**

A7: Please disregard Item 1.3.19 under Section 01 29 00.

**Q8: Regarding the pipe support note 3 on drawing C10, are we to include the price of 100 clamps in our price or is the bidder responsible to allow only the quantity we think is required?**

A8: Include 100 pipe clamps. Final locations and numbers to be confirmed in the field to suit installed conditions.

**Q9: Drawing E01 Note 3---Will Electric Heat Trace be required on two water systems? Domestic Water & Fire Water.**

A9: No fire water system is indicated on drawings. Apply heat tracing to system as indicated.

**Q10: Specification section 01 10 10 General Instructions Page 1----Part 1 General. Paragraph 1.1.----.1 .11---The heat trace conduits provided by insulation manufacture, please clarify. Will all heat trace equipment be provided by electrical contractor?**

A10: All heat trace equipment is to be supplied and installed in contract.

**Q11: Please provide a manufacturer & model # for Heat Trace controller & heating cable.**

A11: Controller and heat trace cable to be in accordance with the product requirements provided in sub-section 2.8 of Specification Section 33 07 16.

**Q12: Our understanding of Electrical Scope to include:**

- a) Provide underground power conduit & RTD conduit to new heat trace on Domestic Water Line at jetty as per drawings E01 & E02
- b) Supply & install heat trace cable & RTD Sensors on Domestic Water line, supply & install heat trace controller, power connection box, RTD connection box
- c) Heat trace to be installed at 3 Hose Bib locations along jetty & on flanges, sillcocks as per drawing E01.
- d) Test & commission system

A12: Correct. For clarity, complete project scope also includes supply and installation of insulated (c/w heat trace conduit as required), jacketed and structurally supported water service.

**Q13: Will parking & lay down work area be provided?**

A13: Contractor will be provided a minimum of 750m2 laydown area on the BIO Campus. Exact locations will be determined following award once schedule and construction methodology has been provided."

**Q14: Regarding temporary water if required, are there any special requirements/considerations regarding providing temporary water service for the daily operations of the facilities/buildings beyond drinking water and sprinkler service?**

A14: There are no special water requirements above and beyond building potable and fire protection water service. Contractor should adhere to Section 33 11 16 1.6 Scheduling of Work for any temporary water service.