



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave. Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6  
Bid Fax: (780) 497-3510

**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  
ATB Place North Tower  
10025 Jasper Ave./10025 ave Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6

<b>Title - Sujet</b> Brandon Crop Services Facility	
<b>Solicitation No. - N° de l'invitation</b> ET025-170559/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> AAFC ET025-170559	<b>Date</b> 2016-08-05
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWU-107-10807	
<b>File No. - N° de dossier</b> PWU-6-39085 (107)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2016-08-12</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> Anthony, Mary	<b>Buyer Id - Id de l'acheteur</b> pwu107
<b>Telephone No. - N° de téléphone</b> (780) 237-7582 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Brandon Research Centre Grande Valley Road Brandon, Manitoba R7A 5Y3 CANADA	

**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>

**MODIFICATION DE L'INVITATION No. 004**

**VOIR LE DOCUMENT EN ANGLAIS POUR RÉPONSES AUX QUESTIONS DEMANDÉ**

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**Building 111, Brandon Research Centre**

05 August 2016

HDK Project No. 15083

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ADDENDA

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### ADDENDUM 003

This Addendum is issued prior to Bid due date to revise the Bid/Contract Documents and as such is part of those documents; value of all items shall be included in Bid. After acceptance of Bid, claims for costs will not be considered by reason of failure by Bidder to have read Addenda.

Drawing and Detail Sheets issued with this Addendum:

N/A

#### 1.1 ELECTRICAL BIDDER QUESTION

Reference: Drawing E7

- a) Question: Print E7 Feeder from CSTE to MD16A is shown as a 4C350MCM Tech good for 433Amps

This size meets the requirements of C22.1-15 D10, Detail 1, Table 10A, but does not meet code for Temperature limitations CEC 4-006.

The greater of the two must be used, in this case 4C 600 KCMIL Teck, or Parallel Feeders.

Answer: Revise power feeder cable from 4C#350MCM, Cu, Teck90 cable to 4C#600MCM, Cu, Teck90

- b) Question: Panels A, M, P, and 6M Feeders are all listed as 3 conductor feeders. They should all be 4conductor feeders.

Answer: Revise power feeder cable to 4C#4/0AWG,Cu, RW90 + GRD in 78mmC for panel 'A' & 'M' and 4C#1/0AWG, Cu, RW90, +GRD in 53mmC for Panel 'M'

- c) Question: Panel 6M could be 3 conductors if rated at only 600Volts.

Answer: Revise power feeder cable to 4C#1AWG, Cu, RW90 + GRD in 78mmC

#### 1.2 ITEM DESCRIPTION

Reference: Drawing

- a) Question: -Are you looking for horizontal liner on the outside of the building? The vertical channels shown on the plans won't allow for vertical metal to be installed, just horizontal. Please advise.
- b) Please see response in item 1.3 and 1.4 below.

- c) Question: On drawing C2 note is calling for “4. Unused excavated material shall be hauled away by the contractor to a local site location as directed by the departmental representative”. Can you please clarify the exact location of the local site?

Answer: Location of excavated material is within the confines of the Brandon Research Facility; the Brandon Research facility will identify a suitable location for excavated material during construction.

### 1.3 CHANGES TO PROJECT MANUAL

- .1 .1 SECTION 07 46 13 – PREFORMED METAL WALLS
  - .1 .1 Item 2.2.1 – PRODUCTS
    - .2 .1 ADD:
      - .1 .1 Hat Channels: Formed galvanized steel, thickness as noted, sized to suit application and resist loads as required.
  - .3 .2 Item 3.3.3 – INSTALLATION
    - .4 .1 ADD:
      - .1 .1 (Following .4 Insulation) Hat Channel: Install hat channels to vertical z-bar sub-girts.

### 1.4 CHANGES TO DRAWINGS

- .1 .1 DRAWING A3 – NEW CONSTRUCTION FLOOR PLAN, WALL TYPES, PLAN DETAILS & NOTES
  - .1 .1 WALL TYPES
    - .2 .1 AMEND Wall Type 1 and Wall Type 2 as follows:
      - .1 .1 13mm Horizontal Hat Channel to be installed between Metal Cladding and Extruded Rigid Insulation. Fasten Hat Channel to Vertical Z-Bar Sub-Girts.

### 1.5 BIDDER QUESTION

Reference: Drawing

- a) Question: Regarding building insulation can you please still clarify if we have to price roxul or if a standard fiberglass batt is acceptable?

Answer: CONFIRMATION: ITEM 2.2.1 – Semi-rigid batt insulation requirements apply as originally specified; no change to specification for semi-rigid batt insulation is required nor accepted

### 1.6 BIDDER QUESTION

Reference: Drawing

- a) Question: I’m bidding on the Brandon research Centre. Plan T2 shows access control and cameras. But what I am looking for is who bids the system that you show in the specs. There is no

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one that I have found that will bid this in Manitoba. Please let me know who looks after the system in Brandon so I get a price from them for this project.

Answer: Access Control System is PCSC provided by Honeywell to match existing system at the research facility as specified and identified in section 28 13 00 Item 2.4. Video Surveillance Cameras are rough-in only as identified on drawing T2

## **1.7 ELECTRICAL DRAWING CLARIFICATION TO BIDDER**

Reference: Drawing

- a) Question” On Print E7, the Feeder CSTE>MD16A does not meet CEC 4-006 Temperature limitations, and must be a 4C600MCM instead of a 350MCM. Should the contractor price the 350 MCM that is on the plan or should he price the upgrade to the 4C600MCM.

Answer: Revise power feeder cable from 4C#350MCM, Cu, Teck90 cable to 4C#600MCM, Cu, Teck90

- b) Question” On print E7 it lists Feeders SD12A> Panels A, M, P, 6M as 3 conductors. They should be listed as 4 conductors.

Answer: Revise power feeder cable to 4C#4/0AWG,Cu, RW90 + GRD in 78mmC for panel ‘A’ & ‘M’ and 4C#1/0AWG, Cu, RW90, +GRD in 53mmC for Panel ‘M’

- c) Question: Should the contractor price the 3 conductor as shown or price the upgrade to a 4 conductor? ‘

Answer: Revise power feeder cable to 4C#1AWG,Cu, RW90 + GRD in 78mmC

## **1.8 REQUEST FOR EQUAL**

Reference: Section 08 71 00

### **.1 SECTION 08 71 00 – DOOR HARDWARE**

.1 Item 2.2.7.1 – Door Operators – Power assist and low energy power operated doors.

.1 These products are acceptable for use in this project:

- .1 Nabco GT710 standard duty door operator.
- .2 Nabco GT8500 heavy duty door operator.

**1.9 QUESTION FROM BIDDER**

Reference: Question from Bidder

ITEM NO.	DOC. REF.	ORIGIN OF REQUEST	DESCRIPTION
1.0	Bid Drawing A3, Wall Types		Wall Type 3 in the Wall Types schedule on page A3 doesn't mention the spacing of the metal furring channels. Please advise.
2.0	Bid Drawings, A3, Wall Types		There is no required gauge given for the non-structural metal framing. Please advise.
3.0			We would like to request an extension to this bid as we have not received the expected addendum with several revisions and Monday is a holiday.
			<b>REASON FOR REQUEST</b> Information required for estimating.

- a) Answer: 1.0 - Spacing of metal furring channels to be determined by Pre-engineered structure manufacturer. Gauges of furring and liner panel is provided in Section 07 46 13.  
 2.0 - Non-structural metal framing is to comply with ASTM C645, see Section 09 22

**1.10 QUESTION FROM BIDDER**

Reference: Question from Bidder

- a) Section 26 05 34  
 .4 Conduit Fittings  
 .3 Watertight connectors and couplings for EMT.  
 .1 Set-screws are not acceptable.  
 is this spec intentional, or a carryover from another project?

Answer: Watertight connectors will be required in wet areas cold storage and outdoor installations only.

- b) Question: Is AC90 (BX) Drops permitted in concealed walls for switching and receptacles?  
 I cannot find any restrictions in the spec's, I assume AC90 is NOT permissible for drops in walls, and that Conduit must be used.  
 But can we confirm this. If AC90 is not permitted, can that be addressed in a future Addendum.

Answer: EMT is to be concealed conduits, except in mechanical and electrical rooms. Although AC90 (BX) installation in concealed walls meets code, the design AC90 (BX) is only approved only for wiring from EMT conduit on the ceiling to luminaires recessed in dropped ceilings only.

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## **1.11 BIDDER QUESTION**

Reference: Drawing

- a) Question: We have a Contractor that is having an issue with amendment #2 drawing A10 (attached page 11). The one posted on Buy & Sell is very blurry. Do you have a better copy of this drawing that you could provide?

Answer: Please see attached

