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**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**

TPSGC-PWGSC

601-1550, Avenue d'Estimauville

Québec

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<b>Title - Sujet</b> Nouveau havre à Harrington Harbour	
<b>Solicitation No. - N° de l'invitation</b> F3731-170101/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> F3731-170101	<b>Date</b> 2017-11-08
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$QCM-032-17241	
<b>File No. - N° de dossier</b> QCM-7-40184 (032)	<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 2017-11-22</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Heure Normale du l'Est HNE
<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> Girard, Isabelle	<b>Buyer Id - Id de l'acheteur</b> qcm032
<b>Telephone No. - N° de téléphone</b> (418) 649-2847 ( )	<b>FAX No. - N° de FAX</b> (418) 648-2209
<b>Destination - of Goods, Services, and Construction:</b> <b>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</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/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## AMENDMENT 004

### Title: Development of a Fishing Harbour, Harrington Harbour

Included in the present amendment:

1. Invitation to tender - Extension of closing date.
2. Questions and Answers 20 to 57
3. Addendum 1

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### INVITATION TO TENDER – EXTENSION OF CLOSING DATE:

Please note that the solicitation date has been delayed to November 22, 2017 at 2:00 PM.

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### QUESTIONS AND ANSWERS:

**Question 20 :** Plan EL-000 has no plan scale. As this is the plan we use to calculate cable length, can it be submitted with scale?

**Answer 20 :** Yes, it will be reissued in Addendum 1 with a scale.

**Question 21 :** On plan EL-000, on trench detail. Is the work (concrete sawing, excavation, refill, and concrete repair) executed by the general contractor? If we have to do it, what is the length of the trench?

**Answer 21 :** A scale will be added to plan EL-000 to determine Trench length.  
This item is to be provisioned on item 9.2.3 of the quotation form.

**Question 22 :** On plan EL-000, on detail A, the detail shows a new service mast but the location seems to be inside. Is there an error on the mast location?

**Answer 22 :** The new service mast is truly on the exterior. The building shown has a second level that doesn't go the complete length of the building. To help figure out the service mast location, look at the photo in Addendum 1.

**Question 23 :** On plan EL-000, there is 3 cables (one for TX-1, one for DFO-DP-3, one for the hoist) that run along the fish factory. How do we install these cables, on wall surface or in cable trays? If its cable trays, are they already in place or do we supply them.

**Answer 23 :** The cables are to be attached to the wall surface along the building.

**Question 24 :** Since the electrical work is to be done over and under the wharf, are there any specific training that our employees will be required to follow? If so, please specify.

**Answer 24 :** See section 01 35 29.06 attached to the quote.

**Question 25 :** Which security equipment, other than the standard ones, will be required?

**Answer 25 :** See section 01 35 29.06 attached to the quote.

**Question 26 :** For electrical work under the wharf, will the necessary equipment be supplied by the general contractor? If not, which hourly rate is to be provisioned for?

**Answer 26 :** To be coordinated with the general contractor.

**Question 27 :** What is the light post height? Will equipment such as lifting platform be needed and who supplies these equipment?

**Answer 27 :** The light post height is 24 ft. For equipment supply, see with general contractor.

**Question 28 :** On plan EL-001, the cable on the gangway is not that same type at the two extremities (SOOW and W) please specify which one to use.

**Answer 28 :** The cable type to use is Type W.

**Question 29 :** On EL-001, detail B, is the cable going to DFO-DP-1 in a conduit? If so, there is an error on the one-line diagram on plan EL-002.

**Answer 29 :** See answer of question #48.

**Question 30 :** On plan EL-001, detail B, Meltric connector, DSN is a series, please specify the complete model number of all the components.

**Answer 30 :** You can offer equivalent products. The desired qualities are a robust connector with integrated disconnecter and weathertight.

Still, here is the list of components for a Meltric connector set:

Receptacle (female): 63-94167-NC

Receptacle (male): 63-98167

Handle: 9PH2

Junction box: 31-9A053-080-2

**Question 31 :** On plan EL-001, Detail F, is the drilling done by the general contractor? Please specify the hole diameter. What is the depth of concrete to be drilled?

**Answer 31 :** The hole to be drilled is 100 mm, see the civil plans for the thickness of the wharf concrete slab. Coordinate with the general contractor to determine who does the drilling.

**Question 32 :** On plan EL-001, detail F, according to the electrical code, article 12-614, radii of bends in armored cable must not exceed 6 times the diameter of the cable. It is impossible to do this in a 50mm hole. Please specify the installation method.

**Answer 32 :** In order to respect the radii of curvature, the hole in the slab will be at 45 ° and its diameter will increase to 100mm.

**Question 33 :** On plan EL-002, on the one-line diagram, there is a disconnect switch that is not represented on the other plans, Please specify a location.

**Answer 33 :** The connector model proposed in the plan has a built-in disconnect switch.

**Question 34 :** On plan EL-002, cables from DS-5 to DFO-DP-1 and between DP-1 and DP-2 are not TECK, are they to be installed in conduit?

For the same cables, should all three be of the same type? Either SOOW or W?

**Answer 34 :** See answer # 28.

Type W is used because a 5c # 1/0 cable does not exist in SOOW. On the other hand, a 5c # 8 cable is available in SOOW.

**Question 35 :** Please specify a detail for DFO-DP-4. It is not shown on EL-003.

**Answer 35 :** See drawing EL-003 issued in Addendum A. Detail D is the detail for DFO-DP-4.

**Question 36 :** On plan EL-003, detail C and D, we see Hubbell outlets model #HBL69W33, should it be #HBL60W33?

**Answer 36 :** Yes, it should be #HBL60W33. The model number will be changed in Addendum 1.

**Question 37 :** On plan EL-03, detail D, are the conduit going to TX-2 supplied and installed by the electrical contractor, if so, are they PVC or galvanized steel? Concerning these conduits, two (2) are shown on detail D but only there is only cable is going to TX-2, what is the correct quantity?

**Answer 37 :** The concrete base and the conduit will be provided by the general contractor. For drilling, see sheet 17 of the civil plans.

**Question 38 :** On EL-002, on the one line diagram, only one (1) light post is represented, should there be two (2)?

**Answer 38 :** Yes, the second light post will be added in Addendum 1.

**Question 39 :** On Plan EL-000, on detail G, there is no typical indication, does the detail repeat itself for each pontoon?

**Answer 39 :** Yes, this is a typical, this detail is repeated at all sections of pontoons.

**Question 40 :** On plan EL-002, panel DFO-DP-3 detail, we see 3 outlets, but on detail D we see 4 outlets for the same panel, What is the correct number of outlet for DFO-DP-4

**Answer 40 :** Detail D is for panel DFO-DP-4, Detail C is for DFO-DP-2 and DFO-DP-3. The drawing will be modified in Addendum 1.

**Question 41 :** On plan EL-003, the disconnect DFO-DS-2 is identified as being with a fuse in detail A and on plan EL-002 on the one-line, it is identified without fuse. Please specify.

**Answer 41 :** The disconnect DFO-DS-2 is without fuse.

**Question 42 :** On Plan EL-03, on the pedestal details, it says: "BAB breaker for hoist and lighting... » while on plan EL-000 the hoist power comes from the fish factory. Also, specify if the existing hoist breaker is to be reused. Please specify the type of breaker (standard or GFI) for the feeder going from DFO-DP-1 to DFO-DP-2 and DFO-DP-3?

**Answer 42 :** The hoist will be powered by the electrical room of the fish factory. The hoist circuit breaker must be reused. The contractor must install a new power cable. Use standard circuit breaker for powering pedestal DFO-DP-2 and DFO-DP-3.

**Question 43 :** Panels specified on plan EL-02 and EL-03 are main lug type. While DFO-DP-02 and DFO-DP-03 are protected by the breaker from DFO-DP-1, DFO-DP-1 and DFO-DP-4 are protected the fused disconnect. We propose to change panels DFO-DP-1 and DFO-DP-4 from 3CBL118CU to 3CBM118CU which is the same size but with a main breaker.

**Answer 43 :** The proposed modification is accepted and will be on the Addendum 1 plans.

**Question 44 :** On plan EL-02, on the one line diagram, the Meltric connector is identified as a disconnect switch. Is the disconnect switch integrated in the connector or do we have to supply a separate disconnect switch.

**Answer 44 :** The Meltric connector has an integrated disconnect switch.

**Question 45 :** The 3c#10 TECK cable is powering the hoist at its new location, is the panel located in the fish factory?

**Answer 45 :** Yes, the panel is located in the fish factory

**Question 46 :** Should the detail named DFO-DP-3 be named DFO-DP-4? On the same detail there is a BAB type breaker for the hoist, is this a mistake?

**Answer 46 :** Yes, the detail should be named DFO-DP-4 and there should be no mention for a circuit breaker to power the hoist.

**Question 47 :** On plan EL-000 the drawing indicates 2 light fixture per lighting post, but on the note, there is a mention of only one light fixture.

**Answer 47 :** There is only one (1) light fixture per lighting post. Pan EL-000 will be modified in Addendum 1.

**Question 48 :** On detail B of plan EL-001, we see a galvanized steel conduit on the gangway and on the pontoon. What is the size of this conduit? Do these conduits go all the way to DFO-DP-1, DFO-DP-2 and DFO-DP-3? If so, on the one line diagram it is only mention Type W and type SOOW cable.

**Answer 48 :** The conduit goes all the way to the DFO-DP-1, DFO-DP-2 and DFO-DP-3. The conduits must be installed on the pontoons as shown in detail G.

The ducts must have a diameter of 102 mm for W type cables and 53mm for SOOW type cables.

The conduit information will be added to the single-line Addendum 1.

**Question 49 :** What is the size of the conduit on the pontoons?

**Answer 49 :** See answer #48.

**Question 50 :** Can we use an equivalent product for the eaton panels.

**Answer 50 :** Yes, you can use an equivalent product. The proposed product must have the same characteristics as that indicated in the plans.

**Question 51 :** On plan EL-003, detail A, Do the equipment shown need to be Nema 1, 12, 4 or 4X?

**Answer 51 :** These equipments are installed inside the building. NEMA 1 is sufficient.

**Question 52 :** What fees must be included in Article 9.2.2 of the Price Breakdown?

**Answer 52 :** Cost in item 9.2. includes all costs related to the transportation of equipment required for electrical work, including specific materials, equipment, machinery, etc. everything that is strictly necessary for electrical work.

**Question 53 :** In plan EL-000, the two (2) lighting post on the wharf show two (2) light fixtures on each lighting post but in the note it says only one ( ) lighting fixture.

**Answer 53 :** See answer #47.

**Question 54 :** On plan EL-000, detail B, le cable attached to the gangway is Type W or Type SOOW ?

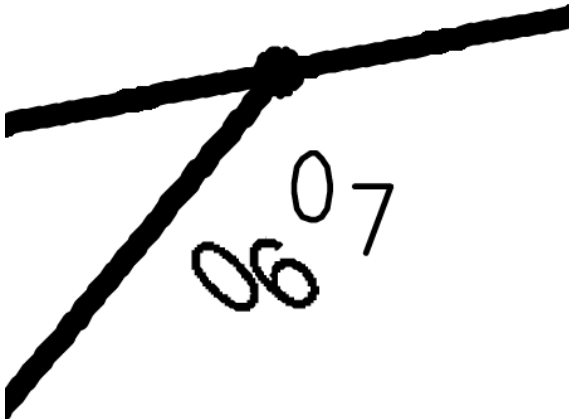
**Answer 54 :** See answer #28.

**Question 55 :** There appears to be an inconsistency between the drilling reports and the bathymetry provided.

Take the drill F-A13:

Thus, the consistency between drilling results and bathymetry does not seem to be consistent. Given the monetary and execution importance of this element, we want to have valuable data on hand.

Also, there are several points where rock bathymetry is encountered before the sediment layer or other material.



Several holes present this problem and the interpretation and calculations of sediment and gravel dredging are very annoying.

Given the situation, is it possible to know the quantities of each dredged material, including contaminated soil, to be able to establish a price reflecting the actual composition of the soil in place to excavated?

**Answer 55 :** We are aware of the inconsistencies between the geotechnical report and the bathymetry in the plans.

For your information, the consultant who did the geotechnical study did not use the chart datum to establish the bathymetries that are indicated in the drilling logs, whereas the bathymetric sounding on plans has been realized referenced to the chart datum.

To circumvent this situation, we have indicated the quantities of rock and sediment to be dredged in the specifications in section 01 29 00 (item 3.1). It consists of 1200 m<sup>3</sup> of sediment and 2900 m<sup>3</sup> of rock for a total of 4100 m<sup>3</sup>.

The contractor must establish its unit price with these quantities regardless of his interpretation of the drilling logs. Drilling logs are indicated for the main purpose of characterizing the rock. Note that only one unit price is required for both classes of materials.

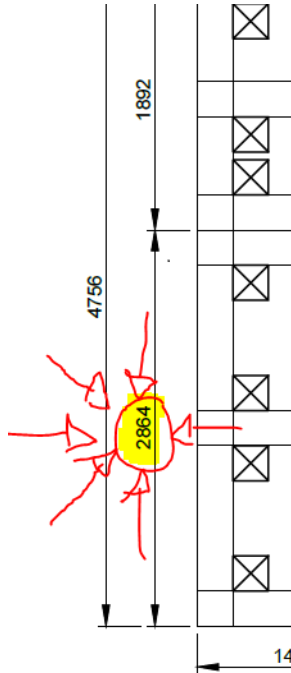
The quantity of contaminated sediment to be dredged and disposed (> CEF) is indicated on the schedule in item 3.2, ie 1000 tm (or approximately 500 m<sup>3</sup>).

**Question 56 :** In connection with answer # 7 answered like this: "Is the question really about the dimensions 1893 versus 1892 and 2263 versus 2264? If so, consider that the dimensions are 1893 and 2263. Note that these dimensions will probably still adjust to the site. "

The dimension 2264 mm does not exist in the plane page 13 (Gateway block detail), It is rather 2864 than we compare to 2263.

Please confirm me the right measurement.





**Answer 56 :** In fact previous answer # 7 was not exactly right, but the answer remains the same, ie 1893 mm and 2263 mm.

**Question 57 :** Can you confirm that the 42 weeks allowed to complete the work do not include the winter months?

**Answer 57 :** In fact, we confirm that the 42 weeks allowed to complete the works do include the 2017-18 winter months.

#### **ADDENDUM 1 :**

Addendum 1 has been added to the Tender Notice, Attachments Section.

**\*\*\* All the other clauses and conditions remain unchanged \*\*\***