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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

All enquiries are to be submitted in writing to the Contracting Authority, Crystal Bysterveldt, either by facsimile or by e-mail at:  
crystal.bysterveldt@pwgsc.gc.ca.

**Vendor/Firm Name and Address**  
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<b>Title - Sujet</b> Reconstruction - Grahram's Pond, PE	
<b>Solicitation No. - N° de l'invitation</b> ED001-201142/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> ED001-201142	<b>Date</b> 2019-08-26
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWC-024-4460	
<b>File No. - N° de dossier</b> PWC-9-42020 (024)	<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 2019-09-04</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Daylight Saving Time ADT
<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> Bysterveldt (PWC), Crystal	<b>Buyer Id - Id de l'acheteur</b> pwc024
<b>Telephone No. - N° de téléphone</b> (902) 940-7122 ( )	<b>FAX No. - N° de FAX</b> (902) 566-7514
<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>	
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<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>

THE FOLLOWING CHANGES IN THE TENDER DOCUMENTS ARE EFFECTIVE IMMEDIATELY. THIS ADDENDUM WILL FORM PART OF THE CONTRACT DOCUMENTS.

THIS ADDENDUM IS RAISED TO PROVIDE THE FOLLOWING ANSWERS TO QUESTIONS PROVIDED BY BIDDERS.

1. **Question:** As indicated within the Structural Steel notes of Drawing M15: All exposed steel shall be Hot Dipped Galvanized with the exception of H-Piles and Misc. Steel Sections embedded or cast into concrete. Please confirm that the steel sheet piles, wales, bearing plates, wale splices, steel pipes, capping channels, support angles and other misc. steel related to the SSP that they are not galvanized. It is noted that within the Steel Sheet Pile specification (Section 31 62 16.13) the material is not galvanized.

**Answer:** Reference Drawing M15 - Structural Steel Note #7:

**Revise to read:**

All exposed steel shall be Hot Dipped Galvanized with the exception of H-Piles, Miscellaneous Steel Sections embedded or cast into concrete, steel sheet piles, and all miscellaneous steel related to the steel sheet pile construction (wales, bearing plates, wale splices, steel pipes, capping channels, and support angles).

2. **Question:** Please advise on the extent of the "Blackout" period between April 15<sup>th</sup> to July 15<sup>th</sup> of any given year as detailed within Section 1.9.5 of the Instruction to Bidders (Section 01 10 10). The contractor's current assumption is that any work prior to April 15<sup>th</sup> will need to be substantially complete prior to April 15<sup>th</sup> of any given year and readily accessible. It is also assumed that during this time period the contractor will not be allowed to perform any work on site as the materials and equipment will need to be located off site. Please advise if there is any permissible work fronts during the blackout period on either structures 304, 305 or 306 or if the contractor's assumptions above are incorrect.

**Answer:** Grahams Pond is an active working harbour and the channel between 304/305 and 412/306 must be maintained and accessible to the harbour users at all times through-out the construction period. Upon award of the construction tender and a construction schedule is submitted, the department representative will coordinate meetings with DFO and the harbour authority to discuss and review in order to make arrangements to accommodate the construction and harbour users in the best possible ways for all parties.

There is no true "Blackout" period in the sense of no work or having to be substantially complete during those times. There will be areas that will have limited access at times due to harbour activities.

3. **Question:** Within drawing M3 there is a note stating to include 3 ladders along the piled wharf structure, while on drawing there is a note detailing an additional 4 ladders along the SSP wharf structure. These are detailed further in drawings M6 and M7. The table of quantities however indicate only 4 ladders to be installed on line 14. Please advise if the total amount of ladders should be 7 as per the drawings.

**Answer: SEE REVISED UPT AT END OF Q & A's**

Reference Unit Price Table: Line Item 14

1. Revise Safety Ladders total quantity from 4 to 7.

4. **Question:** Item 13 within the unit price table stipulates the installation of 18 X Bracing @ H-Pile. However on drawing M10 Detail 1 and Detail A there is both Steel Bracing as well as Transverse Cross Bracing. It is noted that the transverse cross bracing only starts at Gridline 18. The total quantity of cross bracing should therefore be 18 Steel Bracing and 9 Transverse Cross Bracing for a total of 27. Please advise on the correct total for the unit Price Table as well as whether or not the contractors understanding above is correct.

**Answer: SEE REVISED UPT AT END OF Q & A's**

Reference **Unit Price Table:** Line Item 13

Revise total number of cross bracing from 18 to 28 (18 longitudinal cross bracing and 10 transverse at bents 1, 3, 5, 7, 9, 11, 13, 15, 17 and 18).

5. **Question:** The specifications (Section 35 31 24) concerning Armor stone type A2 indicate 3 to 5 tonnes however within drawing M8 the same type of armor stone is referred to as 2 to 4 Tonnes. Please advise which governs between the Specifications and the Drawing.

**Answer:** Reference **Specifications:**

Section 35 31 24, Paragraph 2.1.1.4.1.3

**Revise** to read: Armor Stone A2: 2 to 5 tonnes each by weight.

6. **Question:** Within the Unit Price Table, line item 3 stipulates 59 LM of Selective Demolition – Remove Steel Sheet Piling (200m.). Please confirm that this 59m. is the full removal of the SSP Wall along structure 304 while partial removal of the SSP wall (to elevation -1.8) along structures 304, 305 and 306 falls within Line Item 2? Also please confirm the intent of the (200m.) within the description of the line item.

**Answer: SEE REVISED UPT AT END OF Q & A's**

Reference **Unit Price Table**

## Line Item 2

1. Clarification: partial removal of the Steel Sheet Piling Walls (to elevation -1.8m) along structures 304, 305 and 306 shall be included under Line Item 2 "Demolition and Removal..."

## Line Item 3

1. Delete (200m) under column "Class of labour plant or material"
  2. Clarification: the 59 LM of Selective Demolition refers to full Removal of Steel Sheet Piling Wall along structure 304.
7. **Question:** Clarification of tender item #3 Selective Demolition - Remove Steel Sheet Piling (200m) has a qty of 59LM. What is the 200m referencing?

**Answer:** Answered in question 6.

8. **Question:** Tender Item #22 - Geogrid - please provide details (location and material specifications).

**Answer:** Item 23 – Geogrid. Refer to notes in Section B/M4/M10 for Geogrid location and material specifications.

9. **Question:** Please provide Electrical Service removal and relocation details/scope of work.

**Answer:** There is no electrical service removal and relocation except for the removal and disposal of abandoned power poles as indicated.

10. **Question:** Specification: Section 03 30 00 CAST-IN-PLACE CONCRETE Page 5. Under "Concrete for pile jackets (Tremie Concrete): .7 "Additional Class Fiber to mix at a rate of 2% of volume." In talking with one of concrete plants interested in bidding the opportunity, they weren't sure what was meant by the additional class fiber? We thought maybe it was a typo and was meant to be glass? The plant came back and said "It is possible, but there are multiple options with fiberglass fibers as well. Micro Fibers which are the most common usually have a dosage rate of 1 bag (900 g's) per m3 and Macro Fibers usually have a dosage rate of 1 bag (1.8kg's) per m3.

**Answer:** Reference Specifications Section 03 30 00 CAST-IN-PLACE CONCRETE Paragraph 2.2.1.2.7 - Replace "Class" with "Glass".

11. **Question:** Drawing: Section B/M10: On the edge beam rebar longitudinal there is no quantity or size given. It does say 15M ties @ 200, Please advise. In the same section, it says the bar in the deck is 15M @ 200 Both ways Top & Bottom, but on the dredge pile cap detail on drawing M12

says deck rebar 20m @ 200 Top & Bottom and 15M @ 200 Top & Bottom? Please advise what rebar is required in deck 304 and dredge platform.

**Answer:** Reference Drawing M10 – Section B/M10 (304):

Edge Beam (over Steel Sheet Pile) longitudinal rebar reinforcing shall be (3) 15M top & bottom.  
Deck reinforcing rebar as indicate: 15M @ 200mm O.C. Both Ways Top & Bottom.

Reference Drawing M10 & M12:

Deck on Drawing M10 is a slab-on-grade and Deck on Drawing M12 is a structural slab.

**REVISED: AUGUST 27, 2019****APPENDIX 1 - PRICE FORM**

- 1) The prices per unit will govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

**UNIT PRICE TABLE**

The Unit Price Table designates Work to which a Unit Price Arrangement applies.

- (a) Work included in each item is as described in the referenced specification section.
- (b) The Price per Unit shall not include any amounts for Work that is not included in that unit price Item.

	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable taxe(s) extra (PU)	Extended amount (EQ x PU) applicable taxe(s) extra
1	01 10 10	Project layout and General Requirements	LS	1		
2	02 41 13	Demolition and Removal (Concrete Deck, tie rods, concrete blocks, etc.)	LS	1		
3	02 41 13	Selective Demolition -Remove Steel Sheet Piling	LM	59		
4	02 41 13	Excavation and Disposal	CM	1,695		
	<b>03 30 00</b>	<b>Concrete Cast-In-Place (S.O.G)</b>				
5		304 Bulkhead	CM	93.8		
	<b>03 30 00</b>	<b>Concrete Cast-In-Place Structural</b>				
6		Deck	CM	111		
7		Dredge Platform Caps	CM	60.5		
8		Pile Jackets	CM	33		
	<b>06 14 00</b>	<b>Concrete Anchor Blocks/Walls</b>				
9		304 Bulkheads	CM	34.7		
10		400mm Retaining Wall	CM	11		
11		Navigation Light Base	CM	5.8		
	<b>05 50 00</b>	<b>Structural Steel</b>				
12		Tie Rods	Each	22		
13		X Bracing @ H-piles	Each	28		
14		Safety Ladders	Each	7		

15		Double Wale (SSP)	LM	75		
16		Angles & Plates (top of SSP)	LM	75		
17		Wheel Guard (HSS 203x203x9.5)	LM	180		
18	31 23 10	Select Borrow Sandstone Base	CM	2,980		
19	31 23 10	Granular base – Class A	Tonnes	964		
20	31 23 10	Granular base (100mm minus) behind SSP	Tonnes	1200		
21	31 23 10	Granular base – Crushed Stones	Tonnes	300		
22	31 32 21	Geotextile Filter Fabric	SM	5,190		
23		Geogrid	SM	390		
		<b>Steel Sheet Piles</b>				
24	31 62 16.13	Supply	SM	880		
25	31 62 19.16	Drive	SM	830		
		<b>Steel H Piles (36 Piles HP 310x152)</b>				
26	31 62 16.13	Supply	LM	565		
27	31 62 19.16	Drive	LM	540		
28	32 12 16	Asphalt Paving	SM	1100		
	<b>35 31 24</b>	<b>RipRap - Imported</b>				
30		305 Breakwater	Tonnes	22,400		
31		306 Breakwater	Tonnes	17,900		
32		Dredge Platform Service Road	Tonnes	190		
<b>TOTAL EXTENDED AMOUNT (TEA)</b>						
Excluding applicable taxe(s)						