



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

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

Title - Sujet EGD South Jetty Reconstruction	
Solicitation No. - N° de l'invitation EZ899-172412/B	Amendment No. - N° modif. 005
Client Reference No. - N° de référence du client	Date 2017-06-29
GETS Reference No. - N° de référence de SEAG PW-\$PWY-026-8060	
File No. - N° de dossier PWY-6-39315 (026)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-07-26	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Yi (PWY), Patty	Buyer Id - Id de l'acheteur pwy026
Telephone No. - N° de téléphone (778) 919-2578 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC - South Jetty Reconstruction Esquimalt Graving Dock (EGD), Victoria, BC	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
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)	
Signature	Date

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Amendment No. 005 is raised to incorporate the following:

- 1. Updates to RFP document including PRICE PROPOSAL FORM – REVISED JUNE 28, 2017**
- 2. Questions and Answers**
- 3. Incorporate Pre-Bid #3**
- 4. Incorporate Addendum No. 001**

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

AMENDMENT 005

1. UPDATES to the RFP Document:
Please note the following changes:

1. **SUBMISSION REQUIREMENTS AND EVALUATION (SRE)**
SRE 02 SUBMISSION REQUIREMENTS AND EVALUATION
1.0 REQUIREMENT FOR PROPOSAL FORMAT

OMIT a) (2) and **REPLACE** with the following:

Submit four (4) bound copies of the proposal + one (1) original + one (1) CD of the proposal

2. **OMIT** the **PRICE PROPOSAL FORM** of the RFP document and **REPLACE** with the following labelled **PRICE PROPOSAL FORM – REVISED JUNE 28, 2017**:
The revised **PRICE PROPOSAL FORM – REVISED JUNE 28, 2017** must be used when submitting your proposal. Any proposal submitted on a previous version of the PRICE PROPOSAL FORM will be considered non-compliant and therefore disqualified.

2. **QUESTIONS, RESPONSES AND CLARIFICATIONS**

Q1: Section 35 90 00 (Corrosion Protection) Measurement and Payment 1.3.2 refers to costs to be paid under a Lump Sum tendered for CP SYSTEM CONNECTIVITY, however there does not appear to be a Bid Item for this. Please confirm this portion is within this scope of work, and if so, where it should be priced.

A1: See amended Priced Table.

Q2: Section 35 90 00 (Corrosion Protection) Clause 1.2.5 refers to Specification 26 05 05 Existing Building, Facilities and Site Conditions, however this does not appear to have been included in the package. Please provide.

A2: Answered in Addendum 001.

Q3: Section 01 11 55 (Schedule) clause 1.11.1.1 says the time to complete the Contract ready for work must be within twenty (20) months. Is this 20-month construction window expected to commence immediately after the 180-day bid acceptance period?

A3: The 20-month construction window commences after award of contract.

Q4: Section 02 21 13 (Survey) Measurement and Payment clause 1.2.1 says "No measurement or payment will be made under this section. Include all costs for closeout submittals in the tendered price for Demobilization." Specification 01 50 00 Mobilization and Demobilization under 1.1.3.1 does say that Demobilization shall include "Project closeout and require closeout submittals." However, on the Price Proposal Form there is Item No. 4 for Post Construction Submittals. Please clarify.

A4: Answered in Addendum 001.

Q5: Section 01 78 00 (Close Out Submittals) Measurement and Payment 1.2.1 says "No measurement or payment will be made under this section. Include all costs for closeout submittals in the tendered

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price for Demobilization. "Specification 01 50 00 Mobilization and Demobilization under 1.1.3.1 does say that Demobilization shall include "Project closeout and require closeout submittals." However, on the Price Proposal Form there is Item No. 4 for Post Construction Submittals. Please clarify.

A5: Answered in Addendum 001.

Q6: Section 35 59 29 (Bollards): In most places, the Bollards are called up as 100 Tonne, however Drawing S20 is titled "West Jetty Typical Reinforcement at 100 Ton Bollards" and Section 1 on this drawing also notes "100 Ton Bollard". Please confirm the drawing is in error and 100 Tonne Bollards are intended.

A6: Answered in Addendum 001.

Q7: Section 35 59 29 (Bollards): Please confirm the quantity of 13 each Bollards as shown on the Unit Price Table is correct. Drawing S28 notes 14 required, but we cannot find #14 on the plan drawings.

A7: Number of bollards required = 13. See updated DWG S28.

Q8: Section 09 97 19 Painting Exterior Metal Surfaces - What colour is expected for the pile coating?

A8: Pile coating colour should be black.

Q9: Detail 5 on Drawing S53 for the Tug Boat Float Gangway references "Gangway Bracket, See Dwg S52" however this detail does not exist on Drawing S52. Please provide.

A9: See updated DWG S53.

Q10: Section 31 62 16.20 (Steel Pile Piles) - In reference to Drawing S17 R2, what are piles 1-B, 1-N, 2-A, 2-B, 2-N, 2-P on drawing S17, R2 referring to? We don't see these piles on the plan drawings or the pile lists, only piles 1-A and 1-P appear to exist. Please clarify.

A10: The first section (RHS) refers to fender panel piles along the lines A and B, and along lines 1 and 2 and along lines P and N.

Q11: Section 31 62 16.20 (Steel Pile Piles) - At locations Pile 26-A, 28-A, 29-A, 30-A, and 31-A: all top of pile elevations are 2.55 m. However, 27-A is noted at a top of pile elevation of 2.75 m. Is this an error?

A11: This is not an error. There is no fender panel at this location. Pile Line 27 supports the electrical duct bank.

Q12: Section 31 62 16.20 (Steel Pile Piles) - In regards to the West Jetty, the following piles do not exist on the drawing S01, but exist on the table S19. Please clarify: Pile 1-D1, Pile 2-D1, Pile 2-E1[E2], Pile 4-G, Pile 5-M.

A12: See updated DWG S19.

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Q13: Section 31 62 16.20 (Steel Pile Piles) - In regards to the West Jetty, the following piles do not exist on the table on S19, but exist on the drawing S01. Please clarify: Pile 1-D, Pile 2-D, Pile 2-E1, Pile 4-F1, Pile 5-H.

A13: See updated DWG S19.

Q14: Section 31 62 16.20 (Steel Pile Piles) – In regards to the South Jetty, the following piles do not exist on the drawing S02, but exist on the table S19. Please clarify: Pile 11-D1, Pile 11-C1, Pile 12-D1, Pile 12-C1, Pile 13-D1, Pile 13-C1, Pile 14-D1, Pile 14-C1, Pile 15-D1, Pile 15-C1, Pile 16-D1, Pile 16-C1, Pile 17-D1, Pile 17-C1, Pile 18-D1 Pile 18-C1, Pile 19-D1, Pile 19-C1, Pile 20-D1, Pile 20-C1, Pile 21-D1, Pile 21-C1, Pile 22-D1, Pile 22-C1, Pile 23-D1, Pile 23-C1, Pile 24-D1, Pile 24-C1, Pile 25-D1, Pile 25-C1, Pile 26-D1, Pile 26-C1, Pile 27-D1, Pile 27-C1, Pile 27-B, Pile 28-D1, Pile 28-C1, Pile 29-D1, Pile 29-C1, Pile 30-C.

A14: See updated DWG S19.

Q15: Section 31 62 16.20 (Steel Pile Piles) – In regards to the South Jetty, the following piles do not exist on the table on S19, but exist on the drawing S02. Please clarify: Pile 11-D2, Pile 11-C2, Pile 12-D2, Pile 12-C2, Pile 13-D2, Pile 13-C2, Pile 14-D2, Pile 14-C2, Pile 15-D2, Pile 15-C2, Pile 16-D2, Pile 16-C2, Pile 17-D2, Pile 17-C2, Pile 18-D2, Pile 18-C2, Pile 19-D2, Pile 19-C2, Pile 20-D2, Pile 20-C2, Pile 21-D2, Pile 21-C2, Pile 22-D2, Pile 22-C2, Pile 23-D2, Pile 23-C2, Pile 24-D2, Pile 24-C2, Pile 25-D2, Pile 25-C2, Pile 26-D2, Pile 26-C2, Pile 27-D2, Pile 27-C2, Pile 28-D2, Pile 28-C2, Pile 29-D2, Pile 29-C2.

A15: See updated DWG S19.

Q16: Section 31 62 16.20 (Steel Pile Piles) - In regards to the West Jetty, the table on S02 describes Pile 2-E1[E2]. What does [E2] mean?

A16: See updated DWG S19.

Q17: Section 31 62 16.20 (Steel Pile Piles) – Measurement and Payment 1.3.2 says "For all costs associated with Pile Driving Analyzer testing and assistance thereof, see clause 1.3.13 of this Section." Clause 1.3.13 does not seem to exist. Please confirm this should read as "see clause 1.3.9" and there is not missing information.

A17: Answered in Addendum 001.

Q18: Section 31 62 16.20 (Steel Pile Piles) – Measurement and Payment 1.3.1 indicates that steel pipe piles will be measured in linear metres of pipe pile actually incorporated in the work, measured from tip elevation to cut-off elevation at pile cap. However, the Estimated Quantity for Items #68, #70, #71, #72 and #74 appear to be for the Fabricated Length of the piles, which includes the 3m cut-off allowance. Please clarify the intent here as we think the Estimated Quantity should be the Design Length of the piles.

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A18: See revised Price Table

Q19: Section 31 62 16.20 (Steel Pile Piles) – What is the length of the 762Ø x 22 Steel Pipe Pile from the Displacement Control Pile Cap to U/S Oil-Water Separator Platform as shown in Detail 4 on Drawing S48. Where should these be priced in the Unit Price Table?

A19: Appendix F6 shows the seabed bathymetry after placement of the Engineered Capping. The pile lengths can be determined from this. Measurement and payment is as per 31 62 16.20 (Steel Pile Piles) clause 1.3.2.1 JETTY SUPPORT PIPE PILES (762 DIA, COATED).

Q20: Section 31 62 16.20 (Steel Pile Piles) – Drawing S17 shows a Typical Shear Ring Detail - Interior required for both the 762Ø and 914Ø pipe, which calls up a 1/4" fillet weld top & bottom to install a 6 x 12.7 shear ring 600 mm down the pipe from the cut off location. We believe this weld is a safety concern and ask that an alternative 3/8" weld top be approved.

A20: A 10mm weld is acceptable.

Q21: Section 31 61 13 (Pile Foundations General Requirements) - How much time should be allowed for each PDA test?

A21: PDA test time will vary with project conditions. Contractor to estimate a reasonable amount of time.

Q22: Section 31 61 13 (Pile Foundations General Requirements) - If additional piles are selected for PDA testing above the 30 each described, how will these be paid?

A22: PWGSC is paying for the PDA. Any additional PDA testing that may occur will be determined by the Departmental Representative and Awarded Contractor.

Q23: Section 31 61 13 (Pile Foundations General Requirements) - Please provide clarification on Drawing S18. In section 2 & 3, the bond lengths seem to show beyond the length of the pile socket. In Section 2 for DCP-1 it shows a bond length of 3.2 m, when the socket length on the S19 Pile Table is 3 m. In Section 3 for DCP-2 it shows a bond length of 3.2 m and a minimum length of 6.8 m, when the socket length on the S19 Pile Table is 6 m. What is the 6.8 m minimum versus the 3.2 m minimum bond length referring to?

A23: See revised DWG S18.

Q24: Section 03 20 00 (Concrete Reinforcing) - In regard to the Unit Price Form, Items #15, #16, #17 & #18 for the reinforcing cages in pipe piles shows a total quantity of 253 each. We count 225 piles on the pile table on S19. Please clarify the difference.

A24: Some piles have reinforcing cages top and bottom.

Q25: Section 03 20 00 (Concrete Reinforcing) - In regards to the Unit Price Form, for payment of Item #19 how will the concrete volume less the reinforcing steel cage volume be determined?

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A25: Concrete volume is determined using the inside diameter of the pile, and the length of the concrete column, from the seabed to the top of pile. The volume displaced by steel reinforcement is ignored.

Q26: 03 30 00 (Cast-in-Place Concrete) - Please provide an updated Drawing S19 Pile Table which includes mudline elevations for all piles detailed on Drawing S17 that are noted to have concrete fill to mud line.

A26: Bid item 19 gives the estimated quantity from mud line to top of pile. This quantity was based on the coated length of the piles in the pile table.

Q27: DWG S-DP1 and S-DP2: In regards to the precast deck panels on drawings S DP1 and S DP2 etc. The width is shown as 709mm for the single cell deck panel and 1194mm for the double cell deck panel. We are to design the precast prestressed deck panels for loads specified by Herold Engineering Ltd on the drawings. We would like to change the width of the deck panel to suit our formwork and for economy. We will supply the same plan area of deck panel but fewer pieces to install because they would be wider. We note there are precast storm drain panels running East to West on the drawings. We would endeavor to keep the location the same but we might have to move it 300mm or so to suit revised panel width. Please advise if you have any objection to wider deck panels and moving the location of the storm drain perhaps by 300mm. We note you have a deck drainage plan to work with. We would revise down the 441 pieces to new number as well.

A27: As the precast fabricator is responsible for the design of the precast deck panel, changing the width is acceptable provided the design meets the intent of the project, it conforms to the constraints of the other trades (Electrical, Mechanical and Corrosion Protection), and meets performance and design criteria.

Q28: Bid items 26 to 38 and 40 to 52. Bid items 26 to 38 seem to be repeated on 40 to 52. Perhaps bid items 26 to 38 are the supply and fabricate pay item at the precast manufacturer's plant and bid items 40 to 52 are the ship and install pay items as the General Contractor ships and install the precast concrete components...please clarify.

A28: See New Priced Table

Q29: DWG S-DP5-7. The Precast Concrete Deck Panels DP 5A, 5B, 5C, 6A, 6B...there is no bearing for the West end of the box girder on the precast cap for the outside box girder...see red circles. We suggest making the precast deck panels longer and have them bear on the utility trench and delete the outside box girder. Would you be agreeable to this proposal?

A29: As the precast fabricator is responsible for the design of the precast deck panel, changing the width is acceptable provided the design meets the intent of the project, it conforms to the constraints of the other trades (Electrical, Mechanical and Corrosion Protection), and meets performance and design criteria.

Q30: DWG S-PC13. We have a question on Drawing S PC13...but the question can apply to all Precast Pile Caps as well. In the plan view of the Precast Pile Cap, all rebars in top and bottom flange stop at end

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of the concrete, and there are lapping rebars extending out the ends. In elevation view or Section A, the top and bottom rebars project out the ends AND there are additional lapping rebars extending out the ends as well. In general, it is not clear what the extending rebars are in size and number in to the closure pour. In our opinion, we would assume ALL top and bottom rebars shown in cross section to extend out the ends for the closure pour and no additional lapping rebars. These rebars to have hooks or headed studs for development as you specified. First question...is this assumption correct?

A30: All bars can extend and do not have to be lapped, provided development lengths are met.

Q31: DWG S-PC13. Do you want the rebars in the side walls to extend as well in to the closure pour...2 rebars of 20m each face?

A31: All bars extend into closure pour.

Q32: Section 35 59 13.19 Marine Fenders - Foam Filled Fenders are not rubber. Why include the option for an alternative floating fender? Testing section incorrect. Quality control spec to be updated. Fender Skin Shall be a minimum of 30mm thick. Interconnect Fender End Fittings. The size of chain specified, minimum 44mm is much larger than standard for this size of fender. Small utility fenders, such as the D-Fenders, are generally not designed.

A32: Replace Section 35 59 13.19 with revised specification 35 59 13.19 dated June 2017.

Q33: 35 59 29 Mooring Devices - Spec calls out a sole source manufacturer/distributor for the bollards and cleats. Can Canada accept a typical 100 tonne horn bollard and 34 tonne cleat from any manufacturer who could meet the technical requirements and experience, as outlined in section 1.6.4.

A33: Answered in Addendum 001.

Q34: Package "B" - Protective Wrap to Existing Piles - The wrap system as specified does not allow for the monitoring of the rate of corrosion inside of the wrap system. Please clarify whether the ability to open and inspect the piles, and verify the rate of corrosion inside the wrap, is important to Canada, and should be included in the specifications.

A34: Maintenance and monitoring can be done with a wrap system.

Q35: Package "B" - Protective Wrap to Existing Piles - 2.3 Quality Assurance - Contractor shall select a system that has been successfully protecting steel pilings from corrosion in the intertidal and splash zones within 1,000km of the contractors for site. Please consider removing this requirement from the specification.

A35: Answered in Addendum 001.

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PRICE PROPOSAL FORM – REVISED JUNE 28, 2017

PROJECT IDENTIFICATION

Description: ESQUIMALT GRAVING DOCK (EGD) SOUTH JETTY RECONSTRUCTION
CONSTANCE COVE OF ESQUIMALT HARBOUR ON VICTORIA ISLAND, BC CANADA

Project No.: R.026729.003

BUSINESS NAME AND ADDRESS OF BIDDER

Name: _____

Address: _____

Telephone: _____ Fax: _____ PBN: _____

E-mail address: _____

Industrial Security Program Organisation Number (ISP ORG#) _____

THE OFFER

The Bidder hereby offers to Canada, represented by the Minister of Public Works and Government Services, to perform and complete the Work for the above named project in accordance with the Contract Documents which are more particularly described in Appendix 1 – Terms and Conditions, at the place and in the manner set out therein for the TOTAL PRICE PROPOSAL AMOUNT INDICATED BELOW.

- 1) The prices per unit shall govern in establishing the Total Price. Any arithmetical errors in this section 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.

A) UNIT PRICE TABLE

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

- (a) The Price per Unit shall not include any amounts for Work that is not included in that unit price Item.

The following are the Unit Prices for work, including all labour, material, tools, equipment, overhead, and profit, required to complete the works as described in the attached Specifications and Drawings. These

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Unit Prices may be used to adjust the Contract price as the scope of work increases or decreases as required by the Departmental Representative.

Item No.	Spec. Section	Description of Work	Unit	Estimated Quantity	Unit Price (GST extra)	Total Price (GST extra)
1	01 11 55	Directed Move	ea	2		
2	01 11 55	Stand-by Time	Hours	60		
3	01 33 00	Pre-Construction Submittals	LS	1		
4	01 33 00	Post-Construction Submittals	LS	1		
5	01 50 00	Mobilization	LS	1		
6	01 50 00	Demobilization	LS	1		
7	01 11 55	Pre-Construction Survey	LS	1		
8	01 91 13	Commissioning	LS	1		
9	02 41 16.01	Structure Demolition: Navigation Piles and Timber Piles, used piles stored on deck and old tug boat float and ramp	LS	1		
10	02 41 16.01	Structure Demolition: Concrete demolition at seismic joint	cu. m	18		
11	02 41 16.01	Structure Demolition: Concrete base under asphalt paving	cu. m	47		
12	02 41 16.01	Structure Demolition: Concrete parapet wall	cu. m	52		
13	02 41 16.01	Structure Demolition: Concrete retaining wall	cu. m	43		
14	02 41 13.14	Asphalt Paving Removal	cu. m	30		
15	03 20 00	Concrete Reinforcing: Reinforcing in Pipe Piles	each	63		

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Item No.	Spec. Section	Description of Work	Unit	Estimated Quantity	Unit Price (GST extra)	Total Price (GST extra)
		914mm diameter				
16	03 20 00	Concrete Reinforcing: Reinforcing in Pipe Piles 762mm diameter, lines A, B, N, P, 1 & 2	each	83		
17	03 20 00	Concrete Reinforcing: Reinforcing in Pipe Piles 762mm diameter, displacement piles	each	14		
18	03 20 00	Concrete Reinforcing: Reinforcing in Pipe Piles 762mm diameter, remainder	each	61		
19	03 30 00	Cast-in-Place Concrete: Pipe Pile Infill (excluding reinforcing)	cu. m	2,185		
20	03 30 00	Cast-in-Place Concrete: Closure Pours	cu. m	934		
21	03 30 00	Cast-in-Place Concrete: Jetty Deck Slab	cu. m	2,350		
22	03 30 00	Cast-in-Place Concrete: East Approach Retaining Wall	cu. m	66		
23	03 30 00	Cast-in-Place Concrete: Concrete base at asphalt paving	cu. m	70		
24	03 30 00	Cast-in-Place Concrete: Other Reinforced Concrete Structures	cu. m	10		
25	03 37 26	Underwater Placed Concrete: Displacement Control Piles	cu. m	50		

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Item No.	Spec. Section	Description of Work	Unit	Estimated Quantity	Unit Price (GST extra)	Total Price (GST extra)
SUPPLY AND FABRICATION OF PRECAST MEMBERS: Items 26-39						
26	03 41 00	Precast Concrete: Pile Caps PC1 to PC 16	each	76		
27	03 41 00	Precast Concrete: Corner Caps CC1 and CC2	each	2		
28	03 41 00	Precast Concrete: Fender Supports (wide) FS1, FS2, FS2A, FS2B, FS2C, FS4	each	34		
29	03 41 00	Precast Concrete: Fender Supports (narrow) FS3, FS3A, FS3B	each	6		
30	03 41 00	Precast Concrete: Deck Panels DP1 To DP4	each	441		
31	03 41 00	Precast Concrete: Deck Panels DP5A, DP5B, DP5C, DP6A, DP6B, DP7A, DP7B	each	7		
32	03 41 00	Precast Concrete: Utility Trench UT1, UT2, UT4, UT6, UT6A	each	37		
33	03 41 00	Precast Concrete: Utility Trench Corner UT3 and UT5	each	2		
34	03 41 00	Precast Concrete: Storm Drain Panels: SD1, SD1A, SD2	each	33		
35	03 41 00	Precast Concrete: Box Girders BG1 to BG8	each	40		
36	03 41 00	Precast Concrete: Flat Panels FP1, FP2, FP3, FP3A, FP4, FP5, FP6	each	11		
37	03 41 00	Precast Concrete Panels: Displacement Pile Caps DCP A-	each	7		

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Item No.	Spec. Section	Description of Work	Unit	Estimated Quantity	Unit Price (GST extra)	Total Price (GST extra)
		G				
38	03 41 00	Precast Concrete Panels: Oil Water Separator Support Beam	each	1		
39	03 41 00	Precast Tug Boat Float Box Girder, including polystyrene foam, bullrail, rubrail and pile guides	each	1		
SHIPPING AND ERECTION OF PRECAST CONCRETE MEMBERS: Items 40-53						
40	03 41 00	Precast Concrete: Pile Caps PC1 to PC 16	each	76		
41	03 41 00	Precast Concrete: Corner Caps CC1 and CC2	each	2		
42	03 41 00	Precast Concrete: Fender Supports (wide) FS1, FS2, FS2A, FS2B, FS2C, FS4	each	34		
43	03 41 00	Precast Concrete: Fender Supports (narrow) FS3, FS3A, FS3B	each	6		
44	03 41 00	Precast Concrete: Deck Panels DP1 To DP4	each	441		
45	03 41 00	Precast Concrete: Deck Panels DP5A, DP5B, DP5C, DP6A, DP6B, DP7A, DP7B	each	7		
46	03 41 00	Precast Concrete: Utility Trench UT1, UT2, UT4, UT6, UT6A	each	37		
47	03 41 00	Precast Concrete: Utility Trench Corner UT3 and UT5	each	2		
48	03 41 00	Precast Concrete: Storm Drain	each	33		

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Item No.	Spec. Section	Description of Work	Unit	Estimated Quantity	Unit Price (GST extra)	Total Price (GST extra)
		Panels: SD1, SD1A, SD2				
49	03 41 00	Precast Concrete: Box Girders BG1 to BG8	each	40		
50	03 41 00	Precast Concrete: Flat Panels FP1, FP2, FP3, FP3A, FP4, FP5, FP6	each	11		
51	03 41 00	Precast Concrete Panels: Displacement Pile Caps DCP A-G	each	7		
52	03 41 00	Precast Concrete Panels: Oil Water Separator Support Beam	each	1		
53	03 41 00	Precast Tug Boat Float Box Girder, including polystyrene foam, bullrail, rubrail and pile guides	each	1		
54	31 23 33.01	Upland Overburden Bulk Excavation at East Approach Retaining Wall: See Item No. 62	N/A			
55	31 24 15	General Fill	cu. m	400		
56	32 11 16.01	Granular Sub-Base	cu. m	75		
57	32 11 23	Granular Base	cu. m	75		
58	32 12 16	Asphalt Paving	sq. m	455		
59	32 17 23	Pavement Marking: Bull Rails	lin. m	550		
60	32 17 23	Pavement Marking: Concrete Deck	sq. m	500		
61	32 17 23	Pavement Marking: Solid or Dotted Lines	lin. m	1000		
62	35 20 23	East End Slope Excavation and	cu. m	925		

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Item No.	Spec. Section	Description of Work	Unit	Estimated Quantity	Unit Price (GST extra)	Total Price (GST extra)
		Disposal (Includes upland overburden excavation at east end approach retaining wall)				
63	35 37 10.01	East End Slope Capping	LS	1		
64	35 37 10	Displacement Control Pile Cap Leveling	cu. m	100		
65	35 37 10	Sand Material, Filter Material and Armour Rock - Navigation Pile Holes	cu. m	15		
66	35 90 00	Corrosion Protection (CP) System	LS	1		
66.1	35 90 00	CP System Connectivity	LS	1		
67	31 62 16.20	Jetty Support Pipe Piles (762 dia, coated)	lin. m	2,753		
68	31 62 16.20	Jetty Support Pipe Piles (762 dia, uncoated)	lin. m	3,540		
69	31 62 16.20	Jetty Support Pipe Piles (914 dia, coated)	lin. m	1013		
70	31 62 16.20	Jetty Support Pipe Piles (914 dia, uncoated)	lin. m	1,371		
71	31 62 16.20	Displacement Control Piles (762 dia, uncoated)	lin. m	276		
72	31 62 16.20	East End Retaining Wall Piles	lin. m	108		
73	31 62 16.20	Tug Boat Wharf Piles (914 dia, coated)	lin. m	28		
74	31 62 16.20	Tug Boat Wharf Piles (914 dia, uncoated)	lin. m	24		
75	31 63 19.13	Drilling Rock Sockets	lin. m	189		
76	33 41 00	Storm Utility Drainage	L.S	1		

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Item No.	Spec. Section	Description of Work	Unit	Estimated Quantity	Unit Price (GST extra)	Total Price (GST extra)
77	33 11 16	Fire Water Main	L.S	1		
78	22 15 00	Compressed Air	L.S	1		
79	22 13 18	Drainage Waste and Vent Piping - Plastic	LS	1		
80	Division 22	Mechanical Kiosks and Freeze Protection Station	LS	1		
81	Division 26	Electrical	LS	1		
82	05 50 00	Metal Fabrications: Miscellaneous	LS	1		
83	05 50 00	Seismic Joint	lin. m	290		
84	35 59 13.19	Floating Fenders	ea.	34		
85	35 59 13.19	Rubbing Strip Fenders	lin. m	178		
86	35 59 29	Mooring Bollards: 100 tonne	ea.	13		
87	35 59 29	Mooring Cleats: 37.5 tonne	ea.	12		
88	Package B	Protective Wrap to Existing Piles	lin. m	650		
89	03 52 16	Lightweight Concrete	cu. m	800		
Total Bid Amount (Applicable taxes extra)						

B) OPTIONAL WORK

The following work shall be considered an optional addition to this tender package and will be part of the price evaluation. Any bid without the inclusion of the following will be considered non-compliant and therefore disqualified.

The Bidder grants to Canada the irrevocable option to acquire the goods and /or services described below under the same conditions of the Contract. The exercise of any option will be at Canada's sole discretion, the options may only be exercised by the Contracting Authority and will be evidenced through a contract amendment.

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The Contracting Authority may exercise the option within one (1) year after contract award by sending a written notice to the Contractor.

Item No.	Spec. Section	Description of Work	Unit	Estimated Quantity	Unit Price (GST Extra)	Total Price (GST Extra)
88	Package B	Protective Wrap to Existing Piles	Lin.m	650		
Total Optional Work Amount (Applicable taxes extra)						

C) APPROVED CHANGES TO THE CONTRACT

1. The Bidder agrees that if there are any approved changes to the Contract or the work, including any extra work or deletions from the work that it will charge or give credit for, as the case may be, for trades which will be employed on the work or equipment used in the performance of the work or other additions or deletions set out in the schedule of unit prices at the rates set out in the following schedules:

a. Schedule of Labour Rates:

The following labour rates shall apply to approved changes, extra work and errors or omissions to or in the Contracts. This schedule shall cover all classes of trades which will be employed on the work of the Contract

TRADE/CLASSIFICATION	REGULAR WAGE	OVERTIME: X 1.5	OVERTIME: X 2

Note:

- i) All rates are inclusive of applicable payroll burdens, fringes and benefits, overhead and profit.
- ii) Overtime rates apply for all hours worked in excess of **8** hours per day and **40** hours per week

b. Schedule of Rental Equipment Required

The following rates for equipment shall apply to approved changes, extra work and errors or omissions to or in the Contract.

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DESCRIPTION	MODEL/MFG'ER	PRESENT LOCATION	DAILY RATE	HOURLY RATE

TOTAL PRICE PROPOSAL

Total Bid Amount (A)	\$
Optional Work (B)	\$
TOTAL PRICE PROPOSAL	\$

BID (PROPOSAL) VALIDITY PERIOD

The bid (Proposal) shall not be withdrawn for a period of one hundred and eighty (180) days following the date of solicitation closing.

AMENDMENT(S)

By submission of its proposal, the Bidder confirms that it has read and understands the requirements expressed in all amendments and has included all costs of these requirements in its Total Price Amount.

ACCEPTANCE AND CONTRACT

Upon acceptance of the Bidder's offer by Canada, a binding Contract shall be formed between Canada and the Bidder. The documents forming the Contract shall be the contract documents identified in Contract Documents (Appendix 1 – Terms and Conditions).

CONSTRUCTION TIME

The following schedule conditions are fundamental to the Contract:

- .1 Complete the work of this Contract (Esquimalt Graving Dock South Jetty Reconstruction) ready for use within **twenty (20) months**
- .2 The marine fisheries timing windows when in-water construction is permitted are as follows:
 - a. July 1st through September 30th (in the same year); December 1st through February 15th (of the following year).
 - b. In accordance with the Fisheries Act Authorization, which includes the EMP, in-water works may also be undertaken in some areas during the following two periods:

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- i. February 15th up to, and including, March 31st (in the same year);
- ii. October 1st through to December 1st (in the same year).
- iii. Bidders shall not contact Fisheries and Oceans Canada about any aspect of this project during the tender period.

- .3 The abovementioned schedule conditions have been made with the EGD facility. The successful Bidder is expected to complete all activities as described in the Contract documents within these dates.

PROPOSAL (BID) FINANCIAL SECURITY

Proposal security is enclosed herewith in accordance with GI 20 of the General Instructions to Bidders.

The Bidder understands that if a security deposit is furnished as proposal security and the Bidder refuses to enter into a contract when called upon to do so, its security deposit shall be forfeited.

The Bidder understands that if the security furnished is not in the approved form or provided by an approved institution as described in GI 21 of the General Instructions to Bidders, its proposal will be disqualified.

CONTRACT FINANCIAL SECURITY

Within fourteen (14) days after receipt of written notification of the acceptance of its Offer, the Bidder shall furnish contract security in accordance with GC9, CONTRACT SECURITY, of the Terms and Conditions of the Contract Documents.

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SIGNATURE OF BIDDER OR JOINT VENTURE

The Bidder agrees to provide ALL services requested in the Request For Proposal.

.....
Name

.....
Signature

.....
Title

I/We have authority to bind the Corporation / Partnership / Sole Proprietorship / Joint Venture

.....
Name

.....
Signature

.....
Title

I/We have authority to bind the Corporation / Partnership / Sole Proprietorship / Joint Venture

END OF PRICE PROPOSAL FORM – REVISED JUNE 28, 2017

PRE-BID INTERPRETATION No. 3

Date: June 26, 2017
To: All Plan Holders
Project: South Jetty Reconstruction – Tender ,
Esquimalt Graving Dock, Esquimalt BC

BC Bid Calling Authority: Public Works and Government Services Canada

As allowed under Rule 1. F. Pre-Bid Interpretations, we are hereby issuing the following clarification to all plan holders. Unless defined herein the Standard Exclusions will apply; *General Contractors are responsible to include all work that may be excluded from a BidCentral Online Bidding for Subcontractor's (BOBS) Bid as they deem necessary.* This document does not imply a requirement to include work not specified:

1. Closing Date, Time and Location

Amended: The BidCentral Online Bidding for Subcontractors (BOBS) closing will be up to 3:00 PM local time on July 24, 2017. For information refer to the BidCentral website at www.bidcentral.ca/bobs.

2. General Contractors Information for BOBS

General Contractors, Intention to Bid Procedures: *General Contractors must confirm no later than two working days prior to the BOBS closing as per the BOBS Rules of Procedure.* At this time the deadline is 3 PM, July 20, 2017.

END

BidCentral Online Bidding for Subcontractors per;



Warren E. Perks, Administrator

<p>All Plan Holders should insure that copies of this Pre-Bid Interpretation are forwarded to all those to whom they have issued copies of the project documents.</p>
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Addendum No. 001

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

REVISIONS TO DRAWINGS

Omit the following drawings:

G02, G03, G04, G05, G06, G08, G09, G20, D01, S04, S18, S19, S20, S22, S23, S24, S27, S28, S29, S41, S42, S43, S48, S53, S FP1-6, E1 and E2,

and **replace** with:

G02 Rev. 3, G03 Rev. 3, G04 Rev. 3, G05 Rev. 3, G06 Rev. 3, G08 Rev. 3, G09 Rev. 3, G20 Rev. 3, D01 Rev. 3, S04 Rev. 3, S18 Rev. 3, S19 Rev. 3, S20 Rev. 3, S22 Rev. 3, S23 Rev. 3, S24 Rev. 3, S27 Rev. 3, S28 Rev. 3, S29 Rev. 3, S41 Rev. 3, S42 Rev. 3, S43 Rev. 3, S48 Rev. 3, S53 Rev. 3, S FP1-6 Rev. 3, E1 Rev. 3, E2 Rev. 3.

REVISIONS TO SPECIFICATIONS

1. Section 35 59 13.19 Marine Fenders, omit specification 35 59 13.19 and replace with specification Section 35 59 13.19 -Addendum 001, dated July 2017.
2. Section 01 11 55 GENERAL INSTRUCTIONS, Clause 1.1.5.8 – add the words “and timber fender piles” after the words “navigation piles”, in both sentences.
3. Section 01 11 55 GENERAL INSTRUCTIONS, after Clause 1.1.5.8 add 1.1.5.29 with the wording: “Remove and dispose off-site the used piles stored on the concrete deck of the jetty, and remove and dispose off-site of the old tug boat flat and ramp moored adjacent to the east jetty.”
4. Section 02 21 13 SURVEY AND POSITION CONTROL, Clause 1.2.2 – delete this clause.
5. Section 02 41 16.01 STRUCTURE DEMOLITION:
 - a. Clause 1.1.1.3 – Add the following to the end of the sentence in 1.1.1.3: “, including removal and disposal of existing steel bollards within the work area, and cutting off steel bolts flush with concrete surface.”
 - b. Clause 1.1.3 – In first sentence, add the words “and timber fender piles” after the words “temporary steel piles”. In second sentence add the words “and timber fender piles” after the words “The steel piles”.
 - c. After Clause 1.1.4 add “Clause 1.1.5 - Remove and dispose off-site the used steel piles stored on the concrete jetty deck, and remove and dispose off-site, the old tug boat float and ramp.”
 - d. Clause 1.3.1 – add the words “and timber fender piles” after the words “disposal of navigation piles” and after the words “STRUCTURE DEMOLITION: NAVIGATION PILES”. Remove the word “steel” from the forth sentence.
 - e. At the end of Clause 1.3.1 add: Removal and disposal off-site of the used steel piles stored on the concrete jetty deck, and the removal and disposal off-site of the old tug boat float and ramp will be paid for at the Lump Sum prices tendered as STRUCTURE DEMOLITION: NAVIGATION PILES. Contractor to ensure that any

Addendum No. 001

hazardous materials (lead paint, creosote etc.) are identified and dealt with in an appropriate manner. The piles are all 24" diameter and the lengths are approximately 63', 65', 68', 74'.

6. Section 32 17 23 PAVEMENT MARKINGS, Clause 1.2.2 – remove the word [units] and replace with "NUMBER".
7. Section 01 32 16.06 Clause 1.17.8, Revise "4 week look ahead schedule" to "2 week look ahead
8. Section 35 90 00 (Corrosion Protection) delete Clause 1.2.5
9. : Section 02 21 13 (Survey) delete clause 1.2.2.
10. Section 01 78 00 (Close Out Submittals) delete Clause 1.2.1, and replace it with "No measurement or payment will be made under this Section. Include all costs for closeout submittals in the tendered price for POST-CONSTRUCTION SUBMITTALS, as described in 01 33 00 (Submittal Procedures)." In addition, in Section 01 50 00 (mobilization and Demobilization) delete clauses 1.1.2.1 and 1.1.3.1.
11. Section 31 62 16.20 (Steel Pile Piles) in Measurement and Payment clause 1.3.2, the reference to clause 1.3.13 should be changed to clause 1.3.9.
12. Section 35 59 29 (Mooring Devices) – delete Clauses 2.1.1.1 and 2.1.1.2
13. Package "B" - Protective Wrap to Existing Piles - 2.3 Quality Assurance delete "within 1,000km of the contractors work site."

END OF ADDENDUM