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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
Public Works and Government Services Canada -
Pacific Region
800 Burrard Street, Room 219
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V6Z 0B9

Title - Sujet EGD South Jetty Reconstruction	
Solicitation No. - N° de l'invitation EZ899-172412/B	Amendment No. - N° modif. 007
Client Reference No. - N° de référence du client	Date 2017-07-11
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

Amendment 007 has been raised to:

- Provide clarification to the SUBMISSION REQUIREMENTS AND EVALUATION (SRE)
- Changes to the RFP
- Questions, Responses and Clarifications
- Incorporate Addendum No. 002

SUBMISSION REQUIREMENTS AND EVALUATION (SRE)

SRE 02 Clause 2.3.1: Prime Contractor Experience:

Identify that the Bidder Prime Contractor/Marine Construction Team for the Esquimalt Graving Dock South Jetty Reconstruction Project has, over the past twelve (12) years, participated in at least three (3) significant Marine Construction Infrastructure Projects, with at least one project being over \$10 Million, and all three projects located along the West Coast of North America, or in similar environment to EGD.

Questions / Comments:

Please confirm our interpretation that the Bidder – Prime Contractor/Marine Construction Team experience requirements can be fulfilled by any combination of experience from Contractors, Joint Venture partners, and Subcontractors comprising a Bidder – Prime Contractor/Marine Construction Team.

Response:

To properly evaluate the Prime Contractor experience, the intention is that the Bidder – Prime Contractor/Marine Construction Team experience requirements can be fulfilled by any combination of experience from the Prime Contractor alone or from the Joint Venture partners, but not from Subcontractors.

SRE 02 Clause 2.3.3: Prime Contractor Experience:

The Contractor (as defined in General Instructions GI 03) must have direct experience on the above projects. Past project experience from entities other than the Contractor will not be considered in the evaluation unless these entities form part of a joint venture Contractor.

Questions / Comments:

Please clarify the meaning of this clause. Is the Bidder - Prime Contractor required to have the requisite 3 project experience or will subcontractor/Marine Construction Team experience also be counted? I.e. does "Contractor" in this clause refer to the Bidder - Prime Contractor, or does it mean that each entity (Contractor, JV Partner, Subcontractor) must have the direct project experience cited by the entity?

Response:

The section evaluates the prime contractor experience, or the Joint Venture experience. Subcontractor experience will not be considered in this section. If the bidder has experience on less than three projects they will be rated lower than a bidder with three projects.

SRE 02 Clause 2.4: Prime Contractor Senior Personnel Expertise and Experience:

A demonstration that the Contractor has senior (over 5 years direct experience with the firm) in-house personnel with the capability and expertise to plan, manage and execute work identified in the attached drawings and specifications. To be considered senior in-house personnel for the purposes of this section, the individual should have over five (5) years of experience planning, managing and executing work with the Bidder/Prime Contractor firm.

Questions / Comments:

We request that this requirement be broadened to allow senior management with less than 5 years' experience with the firm, but more than 15 years of directly relevant marine construction experience. Our team would like to propose a highly qualified and experienced Marine Construction Manager for this project, but he has less than 5 years tenure with our company. We submit that experience and accomplishment are more important than tenure.

Suggested Revised Text: A demonstration that the Contractor has senior (over 5 years direct experience with the firm, over 15 years direct construction management experience) in-house personnel with the capability and expertise to plan, manage and execute work identified in the attached drawings and specifications. To be considered senior in-house personnel for the purposes of this section, the individual should have over five (5) years of experience planning, managing and executing work with the Bidder/Prime Contractor firm.

Response:

Bidder can submit names of personnel with less than 5 years tenure with the firm. The section evaluates the prime contractor experience, or the Joint Venture experience. If the person has less than 5 years tenure it will be rated lower than a bidder with senior personnel with at least 5 years tenure.

CHANGES TO THE RFP

GI 03 DEFINITIONS

REMOVE (h) "PWGSC Evaluation Board" and REPLACE with the following:

(h) "PWGSC Evaluation Board": The board established to evaluate and rate proposals. An evaluation team composed of representatives of Canada and Herold Engineering will evaluate the bids.

QUESTIONS, RESPONSES AND CLARIFICATIONS

Part A: BIDDERS CONFERENCE AND SITE INSPECTION:

Q1: Please provide clarification of sign in-sign out.

A1: Only 1 representative of the Prime Contractor Team bidding on the project is required to sign in/sign out. Mechanical/electrical (sub-contractors) are not required to sign in or sign out. Sign in and sign out is required for BOTH the conference AND the site walk through.

Q2: What does the yellow line along the East Jetty denote?

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- A2: This denotes the fire lane as well as the boundary between the work site and fire lane. Contractor can place fence along this line.
- Q3: What is the main access route to the site?
- A3: Access to the site from main gate is as per the drawings.
- Q4: Is there parking available for Contractors vehicles?
- A4: There is no space for Contractor parking. See specifications – worksite is not intended for ‘employee’ vehicles.
- Q5: Must a Joint Venture bidder be signed in as such at the bidder’s meeting?
- A5: No, having a partner company of a future Joint Venture present is sufficient.
- Q6: What is the significance regarding the 180 day validity period of bids, is there an expected award date?
- A6: Expected award date is late October 2017, but no guarantees.
- Q7: Some capping is currently visible, is the capping the same everywhere?
- A7: Refer to the drawings.
- Q8: Contractor notices presence of large boulders at East End, and mentioned that they are also visible at the west end – how can they pile through these?
- A8: Refer to DWG G20 Rev3 issued under addendum 001, for details of Engineered Cap. Refer to Specification Appendix F9 – South Jetty Under Pier Sediment Remediation RECORD DRAWINGS issued with addendum 002. Refer to specifications for details on 300mm armour rock.
- Q9: Will a future addendum change the excavation to be a lump sum item?
- A9: See Amendment 005, new Priced Table has Item 62. Item 62 is measured by volume. Within the Unit Price Table, Tender Item #54 – Text is revised to “UPLAND OVERBURDEN BULK EXCAVATION AT EAST APPROACH RETAINING WALL: SEE TENDER ITEM #62”. Estimated quantity is changed to “NA”. Measurement and payment for completion of this work is now included as part of Tender Item #62 – Text is revised to “EAST END SLOPE EXCAVATION AND DISPOSAL (INCLUDES UPLAND OVERBURDEN EXCAVATION AT EAST APPROACH RETAINING WALL)
- Q10: Are there any existing utility trenches below existing “L-Shape” jetty?
- A10: Most of the “L-shape” jetty is supported by steel piles. Appendix D3 shows the location of the sheet pile wall separating the piled deck structure from the land side. Behind the sheet pile wall are a number of buried utilities. These are shown on the Mechanical drawings. Appendix D1 shows details of the buried timber crib at the west jetty.
- Q11: Are the existing pilings that are laying on the jetty included in Scope?
- A11: See Addendum 001. The contractor is to remove piles from site. Payment will be under Item 9: Structure Demolition. Also included under this item will be the disposal of the old tug float and ramp. Contractor to ensure that any 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’.
- Q12: Bidder Question – During the Bidder’s Conference (mandatory site visit), it was noted that some of the armour rock near the East Approach Retaining Wall was larger than 0.3m in size. The

Specifications call for placement of 0.15m Armour Material in this area of the site. Is larger armour rock required for placement?

- A12: Some larger armour material was placed in this area as part of the EGD Phase 2 Under-Pier Remediation Project. The Specifications for the South Jetty Reconstruction Project require placement of 0.15m Armour Rock in this area of the Work Site (see Section 35 37 10.01 – East End Slope Capping, Clause 2.3).

PART B: QUESTIONS AND RESPONSES, AND GENERAL CLARIFICATIONS

Q1: What is the grade of steel for the seismic joint?

A1: See DWG S41.

Q2: We not only manufacture but we are responsible for the design of our product. We need to do a design before we estimate and that takes time. Based on the site visit and lack of responses, I think an extension of bid closing to July 28 is necessary to get our best price to the market place...which are the General Contractors.

A2: See addendum 004 - closing has been extended to July 26, 2017.

Q3: There is considerable expense in design, shop drawings and form purchase prior to making any precast concrete. Would it be possible to have a mobilization pay item for the precast concrete where we can bill for this work?

A3: All mobilization to be priced under Item 5 of the Priced Table.

Q4: In section 31 61 13 of the specifications Item 3.6 refers to "Type 1 and Type 2 Driven Piles". We believe in reading the requirements that the specification is referring to "Type 1 and Type 3 Driven Piles". Could you please clarify

A4: Should be Type 1 and Type 3

Q5: Can you please confirm that with the extension of time provided in Addendum 02 the closing date for the Mechanical and Electrical subcontractors also changes to 2 days before the closing of Esquimalt Graving Dock South Jetty Reconstruction.

A5: Confirmed, the closing date for the Mechanical and Electrical subcontractors also changes to 2 days before the closing of Esquimalt Graving Dock South Jetty Reconstruction.

Q6: In the Table of Proposal Deliverables, Item 2. – Set-aside Program for Aboriginal Business (Appendix 4). Should this not be Appendix 3?

A6: Correct, it should be Appendix 3

Q7: Set-aside Program for Aboriginal Business has Annex A to Appendix 2. Should this read Annex A to Appendix 3?

A7: Correct it should be Appendix 3.

Q8: Drawing S19 indicates only 66 ea - 914mm diameter piles. The unit price table under item 15 indicates 67. Can you please clarify.

A8: This is covered under Addendum 001.

Q9: Drawing S19 indicates only 145 ea - 762mm diameter piles not including the displacement piles. The unit price table under item 16 and 18 indicates a total of 172 piles. Can you please clarify.

A9: This is covered under Addendum 001.

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- Q10: Further, in Section 31 61 13, Item 3.14 could you please confirm that this testing section is for a "Type 2" pile.
- A10: Confirmed that it is for a Type 2 pile.
- Q11: Drawing S19 does not match Drawing G06 entirely. There appears to be multiple errors when it comes to piling in bay lines C, C1, D, D1. S19 corrected in previous addendum.
- A11: This is covered under Addendum 001.
- Q12: The unit price table under item 67 indicates 2844 linear meters of pile. Based on drawing S19 we calculated 2769 linear meters.
- A12: This is covered under Addendum 001.
- Q13: The unit price table under item 68 indicates 3478 linear meters of pile. Based on drawing S19 we calculated 3560 linear meters.
- A13: This is covered under Addendum 001.
- Q14: The unit price table has Precast Items 26-39 duplicated as items 40-53.
- A14: This is covered under Addendum 001.
- Q15: In the bidders meeting on June 14th, 2017 it was confirmed that if a company will be submitting a tender as a joint venture that they don't need to sign in as the joint venture. Also all members of the team don't need to have a representative sign in. One member is adequate. Please confirm.
- A15: Confirmed, only one member of the JV team needs to sign in.
- Q16: The Datum Conversion table shown on drawing G01 appears to be incorrect. Please review.
- A16: On the datum conversion table, in column PWGSC, the HHWL should be 3.276
- Q17: The pipe specified calls for API 5L X52 pipe. Please be aware that there is a substantial premium in terms of anti-dumping tariffs imposed by Canada Border Services on this specific specification of pipe to have it shipped from overseas. Please consider ASTM A252 Grade 3 specification as an alternative.
- A17: Bid on supplying pipe that meets API 5L X52. The design loads and seismic loads have been based on these specifications.
- Q18: General Instructions, 01 11 55, Description of Work 1.1.5.5 instructs to remove the existing impressed cathodic protection system from under the existing dock. Where should this be priced as it does not seem to be noted on the Demolition drawings, or addressed in the Measurement and Payment section of Specification 02 41 16.01 Structure Demolition or under 35 90 00 Corrosion Protection.
- A18: The corrosion protection system was replaced after the dock demolition and seabed remediation was completed, in 2017. See the revised Appendix D6d for the Cathodic Protection Re-Commissioning Report dated March 9, 2017. All work related to the new corrosion protection system, including the removal of the existing system, is covered under the Lump Sum price tendered as CP SYSTEM in Section 35 90 00 Clause 1.3.1.
- Q19: General Instructions, 01 11 55, 1.28.1 reads like there are existing ladders and kiosks to be reused in the work. Please clarify.
- A19: Kiosks will be reused and are to be pressure washed by the contractor (see note 10 on DWG M-1). The kiosks are stored on the EGD site.
New safety ladders are to be provided as shown in DWG S46. Measurement and payment for

the safety ladders will be as per Section 05 50 00 METAL FABRICATIONS Item 1.3.1.

In Section 01 11 55 clause 1.1.5.7, delete the words "safety ladders and cleats."

In Section 01 11 55 clause 1.28, delete the words "ladders and."

Q20: Corrosion Protection, 35 90 00, Please provide details on the existing impressed cathodic protection system

A20: See the revised Appendix D6d: Cathodic Protection Re-Commissioning Report dated March 9, 2017.

Q21: Lightweight Concrete, 03 52 16, Measurement and Payment 1.3.1 indicates cellular concrete will be measured in cubic metres, but does not indicate where it will be paid. Please clarify.

A21: This is covered under Addendum 001.

Q22: Lightweight Concrete, 03 52 16, We cannot find cellular concrete or "foamed concrete" called up on the drawings. Please clarify where this exists.

A22: Lightweight concrete is to be used to fill the precast utility trenches UT1 to UT6, after the electrical ducts have been installed in the utility trench. The pull boxes are excluded.

Q23: Mechanical, Division 22, Is the Kiosk Baseplate shown on drawing S43 part of the Mechanical scope?

A23: DWG S43 shows the typical kiosk concrete slab. The kiosk base plates are to match the openings shown on DWG S43. Kiosks are to pressure washed prior to installation.

Q24: Pile Foundations General Requirements, 31 61 13, In reference to Existing Conditions 1.9.5 clarify where the "area of the rubble mound foundation for the existing timber crib (as indicated on the Drawings)" as we do not see this description on the drawings.

A24: The timber crib is shown on DWG S18 Section 2. The piles shown in Detail 1 are in the vicinity of the rubble mound.

Q25: Pile Foundations General Requirements, 31 61 13, ASTM D1143 is the Specification for the Standard Test Method for Piles Under Axial Static Compressive Load. 3.14 calls for a compression pile test on Type 3 Piles. The only Type 3 piles listed in the Pile Table are the Tug Float mooring piles, which we believe would not normally be subject to loading in compression. Please confirm the intent is to do a static test on one of these piles.

A25: This should be Type 2 piles.

Q26: Precast Concrete, 03 41 00, The structural precast drawings for the Deck Panels has the note: "Maximum weight per precast element not to exceed 14 kPa."

Kilopascals are a unit of pressure, not weight not mass. Please supply either the maximum mass (kg) or the definition of the surface area of interest?

A26: This can be calculated using the projected area of the slab.

Q27: Precast Concrete, 03 41 00, The structural precast drawings for the Pile Caps also a pressure unit for the maximum weight of S DCP1. Please clarify as per the previous question.

A27: This can be calculated using the projected area of the slab.

Q28: Precast Concrete, 03 41 00, On drawing S DP5-7, is there a line missing along the slanted edge of the plan view of Deck panels 7A, 7B? That is, does the notch at the top right corner of Section A still apply?

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- A28: For the Precast deck panels -7A and 7B plan: Add a line 370mm in from the slanted edge, similar to the adjacent panel plans.
- Q29: Cast-in-Place Concrete, 03 30 00, In reference to Drawing S07, gridline 10, between J & K, please confirm that Section 3 on Drawing S15 is called up correctly (everywhere else on this drawing call up Section 4).
- A29: Section 3 call up is correct. This section refers to the closure pour between two PC11 pile caps, which are 2000mm wide, whereas Section 4 is for the other closure pours, which are 1800mm wide.
- Q30: Precast Concrete, 03 41 00, Dimensions for P/C Displacement Pile Caps on Drawings S18 and S PCD1 have a number of contradictions for the width dimension of the Pile Cap, varying from 1800mm (Plan, S PCD1) to 1500 (S18) to 1132 (Section B, S PCD1). A distance of 9mm between the cylindrical void and the outside, vertical surface on Section B seems awry. Please provide clarification. Section A also has a very small diameter for the left cylindrical void. Can we assume that the diameter matches the one on the right?
- A30: See S PCD1 Rev.3 for the correct dimensions. The width of the pile cap in Section 6, on drawing S18 is 1800mm.
- Q31: Oil Water Separator, Drawing S10, Drawing S10 has the note "Access hatches to Oil Water Separator - See S49" however S49 does not further detail the access hatches. Please provide these details
- A31: The reference to S49" should be M-8".
- Q32: Cast-in-Place Concrete, 03 30 00, In reference to the closure pours shown on Drawings S07 & S08, as this concrete type is not specifically called up in the description of concrete mixes under 2.2.4, would it be correct to assume these closure pours are "other reinforced concrete structures not identified as Type A to C" and therefore the closure pours should be mix Type D?
- A32: Use concrete Type D for closure pours.
- Q33: Cast-in-Place Concrete, 03 30 00, Is mix Type D the correct assumption for the concrete infill/closure above the pile infill inside the void in the precast pile cap?
- A33: Use concrete Type D for the concrete infill/closure above the pile infill inside the void in the precast pile cap.
- Q34: Cast-in-Place Concrete, 03 30 00, On Detail 1 on Drawing S25, is UT3 set up right against BG3 and BG4? Or is there a gap?
- A34: There is a gap between UT3 and BG3 and BG4, similar to the gap between UT1 and BG1, as shown on DWG S21.
- Q35: Cast-in-Place Concrete, 03 30 00, Drawing S07 calls up a Detail 2 on Drawing S27. Drawing S08 calls up a Detail 3 on Drawing S27. Detail 2 & Detail 3 does not appear to exist on Drawing S27, but there is a Detail 1 referencing Drawing S09. Drawing S09 does not appear to call up a Detail 1 on S27. Please confirm Drawing S07 and S08 should call up Detail 1 on Drawing S27
- A35: This is covered under Addendum 001, in a revised DWG S27.
- Q36: Cast-in-Place Concrete, 03 30 00, Please confirm Section 2 along GL 24 on Drawing S08 should call up Section 5 on S15

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- A36: Section 2 along GL 24 on Drawing S08 should call up Section 5 on S15. Sections 1, 3 and 5 on S15 refer to closure pours where the pile caps are 2000mm wide (i.e. PC 11 to PC16). Sections 2, 4 and 6 refer to closure pours where the pile caps are 1800mm wide.
- Q37: Cast-in-Place Concrete, 03 30 00, In reference to Drawing S07, gridline 10 & E1 - the note says a 1400 wide closure pour, however right underneath it calls up Section 2 on S24, which appears to show a closure pour width of 1365. Please clarify
- A37: The closure pour should match the width of the pile cap. Use 1400mm.
- Q38: Grout, 04 05 12, What is the thickness of grout anticipated under precast members? The sections on Drawing S20 appear to allow for 20mm, however, this allowance has not been accounted for in the sections on Drawing S15 (which in turn would deepen the closure pours)? Please provide clarification on these points.
- A38: The precast pile caps are shown as having a depth of 800mm minimum. The closure pours should match the pile caps depth. Assume 20mm minimum grout under all precast elements bearing areas.
- Q39: Precast Concrete, 03 41 00, Can the contractor designed temporary support of precast structures to piles stay in place permanently?
- A39: Contractor temporary support staying in place permanently may be acceptable, provided it does not degrade or fall off into the water or become a hazard of any sort, and it does not require ongoing maintenance, and is fixed integrally to the structure
- Q40: Precast Concrete, 03 41 00, Please confirm the angle of the vertical wall for all Precast Fender Supports between the sloped part and the horizontal:
- A40: The outer angle between the sloped part and the horizontal can be calculated as 62 deg. 33 min, using a width of 3600mm for the bottom of the panel.
- Q41: Cast-in-Place Concrete, 03 30 00, In reference to Drawing S07, please confirm the width of the closure pours around the FP5 panels.
- A41: From top closure pour down, the widths are 635mm, 914mm and 635mm.
- Q42: Under Section 03 39 00 GENERAL CONCRETE REQUIREMENTS, page 11 of 14, 3.7 CURING OF CONCRETE, 3.7.1 The specs referenced are outdated. CAN/CSA – A23.1-.09 is specified for cast in place work and should be CAN/CSA – A23.1-.14 The new precast specification is CAN/CSA – A23.4-.16 and is shown incorrectly as CAN/CSA – A23.4-.04 on page 7 of 14, clause 2.2.4.8.1.
- A42: Change specification references to the latest versions.
- Q43: Under Section 03 39 00 GENERAL CONCRETE REQUIREMENTS, page 6 of 14, Table 1 – CONCRETE PROPERTIES. The precast concrete is type B. We would prefer a “performance” specification for the precast concrete rather than a “prescriptive” specification in regard to silica fume and fly ash...please see clause 2.4.8.2 on page 7 of 14 calls up a minimum of 15% fly ash and 5 % silica fume. The time frame for the Chloride Ion Penetrability Requirements have changed and the coulomb rating is now measured at 91 days and not 56 days. We suggest for durability and long service life, if the precast concrete has a Coulomb rating less than 1,000 Coulombs at 91 days, then you have durable concrete. We do not feel there is a need to be prescriptive on the silica fume and fly ash to meet this requirement or at least in the minimum percentages they are specified.
- A43: Leave specification as is.

Q44: Drawing S19: Pile Table: Please provide the Piles Tables as an Excel spreadsheet so we can work with the pile information more easily.

A44: The table is not available as an Excel Spreadsheet.

Q45: Is having a registered professional designation in BC (e.g. R.P.Bio. or P.Eng.) the only way to meet the QEP requirement?

A45: Yes.

Q46: Is the QEP responsible for supervising staff conducting the work required to be on site during all monitoring activities, or can monitoring staff report on field activities to the QEP off site?

A46: Monitoring staff may report on field activities to the QEP off site. However, the QEP shall be responsible for the quality and accuracy of the environmental monitoring conducted.

Q47: Are any other monitoring staff besides the supervisor required to be registered professionals (i.e. have QEP designation)?

A47: No, however; curriculum vitae shall be provided for all staff, clearly indicating the years of experience the project personnel have in the provision of the services specified in the Statement of Work (SOW) section. Skills and expertise for the personnel completing monitoring activities shall be applicable to the tasks they are completing; these shall include direct experience with projects occurring in and adjacent to Marine foreshore and near shore environments involving pile driving, drilling, concrete works including specific experience conducting workplace inspections, water quality monitoring, underwater acoustic monitoring and marine mammal observation.

IMPORTANT NOTE: The Statement of Work (SOW) includes:

a) Request For Proposal Sec 2.15 Project Professional for Environmental Compliance

b) Applicable sections of the Specifications and Drawings

c) Applicable Appendices, including the Environmental Management Plan (EMP)

Q48: We would also like to know whether the 10 years of direct experience for the QEP (Section 2.15.1) refers to requiring 10 years of construction monitoring experience.

A48: Environmental monitoring for construction projects specifically related to compliance with the federal *Fisheries Act* is considered to be the most direct experience. It is not mandatory that the 10 years of direct experience be construction monitoring; however, less direct experience will be scored lower in the evaluation.

Q49: Under Appendix 3 – there is a requirement to declare whether or not an Aboriginal Business has more or less than six full time employees. In the event that an Aboriginal Business has less than 6 full time employees at the date of submitting the bid, if it meets all the other eligibility requirements, would it still meet the requirements to qualify to bid on the EGD South Jetty Reconstruction Aboriginal Set Aside Tender?

A49: This question is there to insure that the requirement of 33% of the employees is maintained when there are 6 or more employees in the business structure, as pointed out in CPM - 1996-2 (<http://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=13706>).

Aboriginal Business

An Aboriginal business is an enterprise that is:

1. a sole proprietorship, limited company, cooperative, partnership, or notforprofit organization
 - o in which Aboriginal persons have majority ownership and control meaning at least 51 percent, and
 - o in which, in the case of a business enterprise with six or more fulltime employees, at least 33 percent of the fulltime employees are Aboriginal persons,
- or
2. a joint venture or consortium in which an Aboriginal business or Aboriginal businesses as defined in (a) have at least 51 percent ownership and control, and
3. which certifies in bid documentation that it meets the above eligibility criteria, agrees to comply with required Aboriginal content in the performance of the contract, and agrees to furnish required proof and comply with eligibility auditing provisions.

Required Aboriginal Content

Required Aboriginal Content means at least 33 percent of the total value of the work to be performed under a contract is performed by an Aboriginal business contractor or by a combination of that contractor and other Aboriginal businesses.

Q50: If the Aboriginal Business has less than 6 full time employees does it have any employment level reporting requirements if awarded the contract?

A50: They need to maintain the PSAB eligibility criteria throughout the contract and notice INAC and the contracting authority of any changes to their business structure. If there are reporting requirements from the contracting authority for the awarded contract they will need to abide by that.

Q51: In the event that the Aboriginal Business has more than 6 full time employees at the time of submitting the bid does the "at least thirty-three percent of them must be Aboriginal Persons and this ratio must be maintained throughout the duration of the contract." apply only to the Aboriginal Business within a joint venture where the second party to the joint venture is a non-Aboriginal business?

A51: If the Aboriginal Business has more than six employees they must ensure that 33% of their employees are Aboriginal, in accordance with CPN 1996-2:

An Aboriginal business is an enterprise that is:

1. a sole proprietorship, limited company, cooperative, partnership, or notforprofit organization

- in which Aboriginal persons have majority ownership and control meaning at least 51 percent, and
- in which, in the case of a business enterprise with six or more fulltime employees, at least 33 percent of the fulltime employees are Aboriginal persons,

In the case of the joint venture they need to ensure that 33% of the value of the work is conducted by performed by the Aboriginal business as CPN 1996-2 states that:

" at least 33 percent of the total value of the work to be performed under a contract is performed by an Aboriginal business contractor or by a combination of that contractor and other Aboriginal businesses."

Please review the Interpretation Bulletin regarding Aboriginal Content to get more detailed information: <http://www.aadnc-aandc.gc.ca/eng/1100100032811/1100100032822>

Q52: In regards to security clearance, the RFP document states the following:

At bid closing, the Bidder must hold a valid Security Clearance as indicated in section SC01 of the Supplementary Conditions. Failure to comply with this requirement will render the Bid non-compliant and no further consideration will be given to the Bid.

And

SC01 INDUSTRIAL SECURITY RELATED REQUIREMENTS

The following security requirement (SRCL and related clauses) applies and form part of the Contract.

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must **EACH** hold a valid **RELIABILITY STATUS**, granted or approved by CISD/PWGSC. Until the security screening of the Contractor personnel required by this Contract has been completed satisfactorily by the CISD, PWGSC, the Contractor personnel **MAY NOT ENTER** sites **without an escort**.
3. Subcontracts, which contain security requirements, are **NOT** to be awarded without the prior written permission of CISD / PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:
 - a) *Security Requirements Check List* and Security Guide (if applicable), attached at Annex A;
 - b) *Industrial Security Manual* (Latest Edition).

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- If all companies in the Joint Venture have DOS clearance does that mean the Joint Venture Company is cleared?
 - Does the Joint Venture company named on the bid need to obtain its own clearance?
 - If only one of the joint venture companies has clearance, is the JV company cleared?
- A52: The "Bidder" has to have the required security clearance. In the case of a joint venture, the legal entity or entities comprising the joint venture must have security clearance(s).

For example, if the Bidder is a joint venture comprised of two or more corporations, each corporation must hold the requisite security clearance. If there is a joint venture company named on the bid, it only has to have its own security clearance if it is a separate legal entity. If the Bidder is listed as Company X and Company Y acting in joint venture as XY joint venture, it is likely that XY joint venture is the business or operating name the companies has given to the joint venture and not a separate legal entity that would require a security clearance. If the joint venture company named on the bid appears to be its own corporation (e.g. XY Joint Venture Canada Ltd.), it would require its own security clearance.

Example (1) – assuming Company A and B simply named themselves X Constructors (and didn't incorporate a separate company), Company A and Company B together are the bidders and would each need the appropriate security clearances.

Example (2) – assuming Company C and Company D did not incorporate a separate joint venture company, each company would have to have the security clearance but YY Company would not (as it is not a separate legal entity but the business/operating name given to the Company C and D joint venture).

Example (3) – this answer is the same as Example 2. Company J will also need the clearance but ZKJ Team will not if it is not a separate legal entity.

All other terms and conditions remain unchanged.

ADDENDUM No. 002

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

UPDATES TO THE “APPENDICES TO THE SPECIFICATIONS”

1. Specification Appendix C2 – Environmental Management Plan, Keystone September 2016: DELETE, and replace with Environmental Management Plan, Keystone June 2017.
Note the updated plan is red lined to indicate which sections have been changed.
2. Specification Appendices - Appendix F9 - South Jetty Under Pier Sediment Remediation Issued for Tender Drawings C28, C29, C30, C32, and C33 dated 2014Dec19. (PDF pages 1,651 – 1,656) - DELETE, and replace with RECORD DRAWINGS dated 2017Mar29.
3. Specification Appendices - Appendix C3 - DFO Decision Letter, 2014: DELETE this Appendix.
4. Specification Appendices – Appendix D6b – Modifications to Cathodic Protection, Klohn Crippen Berger, 2014Mar31. DELETE, and replace with Modifications to Cathodic Protection RECORD DRAWING, Klohn Crippen Berger, 2017Mar29.
5. Specification Appendices – Appendix D6d – Cathodic Protection Study, Corrosion Service 2017Jan25. DELETE and REPLACE with: Cathodic Protection System Re-Commissioning, Corrosion Service 2017Mar09.

REVISIONS TO DRAWING

Omit drawing C1 and replace it with drawings C1A Rev. 1 and C1B Rev.1.
Omit drawing S PCD1 Rev. 2 with drawing S PCD1 Rev.3

REVISIONS TO SPECIFICATIONS

1. References to stockpiling of excavated soils by the Contractor, and testing of soils by the Departmental Representative, shall be removed from the tender documents. Stockpiling of excavated soils is not permitted on-site. Contractor shall assume responsibility and include all costs for excavation, testing (as necessary), transport and disposal of all excavated soils as part of the project. For bidding purposes, all excavated soil shall be considered to be classified for disposal as Industrial IL+ waste material. The Contractor shall be responsible for all testing of soils as necessary for health and safety, transport, disposal, and compliance with Laws and Regulations. In-situ testing or test-pitting prior to excavation will be permitted. Revisions have been made to the following Specification sections:
 - a. Section 01 11 55 (General Instructions), clauses 1.1.5, 1.1.6, 1.1.9, 1.5.27 & 1.7.2
 - b. Section 01 35 13.43 (Special Project Procedures for Contaminated Sites), clause 1.11
 - c. Section 01 74 21 (Waste Management and Disposal), clause 1.7
 - d. Section 02 41 16.01 (Structure Demolition), clause 3.4.5 & 3.5
 - e. Section 02 55 10 (Dust Control) clause 3.1.1 & 3.1.10
 - f. Section 31 23 33.01 (Excavation, Trenching and Backfilling), clause 1.1.3, 3.5

2. References to requirement for compliance with the Fisheries Authorization are removed from the Specifications as it has been determined that the environmental compliance process will be performed through the Department of Fisheries and Oceans (DFO) self-assessment tool. The primary reference for environmental requirements is the Environmental Management Plan (EMP) provided in the Specification Appendices. Revisions have been made to the following Specification sections:
 - a. Section 01 11 55 (General Instructions), clause 1.5.17 & 1.11.2.2
 - b. Section 01 35 13.43 (Special Project Procedures for Contaminated Sites), clause 1.1.2, 1.7.5.3 & 3.3.1
 - c. Section 31 61 13 (Pile Foundations General Requirements), clause 1.3.7, 1.3.8, 1.8.2, 3.5.1 & 3.5.12
 - d. Section 35 13 43.01 (Silt Curtain), clause 2.1.2 & 33.6
3. References to Contractor Off-Site Offloading Facility are removed from the Specifications as excavated materials and other debris will be removed from the EGD facility via truck transport. Revisions have been made to the following Specifications:
 - a. Section 01 11 55 (General Instructions), clause 1.7.2
 - b. Section 01 35 13.43 (Special Project Procedures for Contaminated Sites), clause 1.8.1
 - c. Section 01 45 00 (Quality Control), clause 1.8.1 & 1.8.2
 - d. Section 35 20 23.01 (East End Slope Excavation Upland Transportation and Disposal), clause 1.1.4 & 1.1.5
4. References to completion of dredging activities are removed (or revised to be associated with excavation) from the Specifications as dredging activities are not required for implementation of this project. Revisions have been made to the following Specifications:
 - a. Section 01 11 55 (General Instructions), clause 1.27.3
 - b. Section 01 35 13.43 (Special Project Procedures for Contaminated Sites), clause 3.3.4
 - c. Section 01 35 43 (Environmental Procedures and Sustainability), clause 1.1.5 & 1.5.6.5.6.
 - d. Section 02 21 13 (Survey and Position Control), clause 1.1.6, 1.1.13, 1.1.14, 1.3.2, 1.5.5, 3.2.1, 3.4.1, 3.4.2 & 3.4.3
5. References to “sediment” and “soil” in the tender documents shall be understood to include sediment AND soil. All specified requirements applying to either sediment or soil shall apply to the other.
6. Within Section 01 11 55 (General Instructions), add clause 1.5.46 regarding definition of a Disposal Facility as follows: *“Disposal Facility: An existing facility located in Canada where waste is placed in or on land and that is designated, constructed, and operated to prevent any pollution from being caused by the facility outside the area of the facility. The facility must hold a valid and subsisting permit, license, certificate, approval, or other form of authorization issued by a province or territory for the disposal of soil or other material that is not suitable for industrial, commercial, urban park, residential, agricultural, wildlands, or any other land use specified in the*

British Columbia Contaminated Sites Regulation. The facility must comply with Laws and Regulations.”

7. Within Section 01 11 55 (General Instructions), add clause 1.5.47 regarding definition of a Treatment Facility as follows: *“Treatment Facility: An existing off-site facility located in Canada that is designated, constructed, and operated for the handling or processing of waste in such a manner as to change the physical, chemical, or biological character or composition of the waste. The facility must hold a valid and subsisting permit, license, certificate, approval, or other form of authorization issued by a province or territory for the treatment of soil or other material that is not suitable for industrial, commercial, urban park, residential, agricultural, wildlands, or any other land use specified in the British Columbia Contaminated Sites Regulation. The facility must comply with Laws and Regulations.”*
8. Within Section 01 11 55 (General Instructions), add clause 1.5.48 regarding definition of a Laws and Regulations as follows: *“Laws and Regulations: All laws, regulations, by-laws, orders, codes, rules, standards, guidelines, or other lawful requirements of any federal, provincial, municipal, local, or other government authority.”*
9. Within Section 01 32 16.06 (Construction Progress Schedule – Critical Path Method), replace clause 1.17.8 with: *“Provide a short-term ‘2-week look ahead schedule’ based on the updated construction Detail Schedule at weekly intervals. The short-term ‘2-week look ahead schedule’ shall be submitted in paper and electronic formats (source file and PDF formats).”*
10. Within Section 01 35 13.43 (Special Project Procedures for Contaminated Sites), replace clause 1.6.1 with: *“Do not commence work involving contact with potentially contaminated or hazardous materials until all environmental controls (including, but not limited to, silt fences and decontamination facilities) are operational and accepted by the Departmental Representative.”*
11. Within Section 01 35 13.43 (Special Project Procedures for Contaminated Sites), delete clause 1.19.8.
12. Within Section 01 35 43 (Environmental Procedures and Sustainability), delete clause 1.19.8.
13. Within Section 02 21 13 (Survey and Position Control), replace clause 1.1.6, with: *“Contractor shall perform the Pre-Construction Survey prior to conducting in-water activities.”*
14. Within Section 02 21 13 (Survey and Position Control), replace clause 1.1.13, with: *“Contractor shall conduct Post-Construction Surveys for each Contractor-defined subarea after Contractor has completed work in a subarea and the Post-Construction Surveys will be used as the basis for acceptance of the work.”*
15. Within Section 02 21 13 (Survey and Position Control), replace clause 1.1.14, with: *“Contractor shall calculate completed in-situ quantities for cap material placement, based on survey results, for progress reporting.”*
16. Within Section 02 21 13 (Survey and Position Control), replace clause 1.3.2, with: *“Section 35 20 23 (East End Slope Excavation).”*
17. Within Section 02 21 13 (Survey and Position Control), replace clause 3.4.1.1, with: *“Contractor shall conduct a pre-construction multi-beam bathymetric survey and supplemental surveys as necessary to fully identify pre-construction elevations and grades throughout the EGD Work Site.”*

Bathymetry survey equipment may not be suitable for surveying the upper slope areas, and Contractor may have to conduct a supplemental topographic survey. This Pre-Construction Survey shall be completed and submitted to the Departmental Representative at least ten (10) working days prior to the start of in-water activities."

18. Within Section 02 21 13 (Survey and Position Control), delete clause 1.5.5 regarding quantity calculations.
19. Within Section 31 23 33.01 (Excavation, Trenching and Backfilling), add clause 1.2.10 as follows: *"Section 35 20 23 (East End Slope Excavation)."*
20. Within Section 31 23 33.01 (Excavation, Trenching and Backfilling), revise clause 1.3.1 as follows: *"No separate measurement or payment will be made for excavation associated with the work of Sections 33 05 13 (Manholes and Catch Basins), 33 11 16 (Water Utility Distribution Piping), and 33 41 00 (Storm Utility Drainage Piping). Measurement and payment for bulk excavation of overburden materials at the East Approach Retaining Wall will be made under Section 35 20 23 (East End Slope Excavation and Disposal)."*
21. Within Section 35 20 23 (East End Slope Excavation), revise Table 35 20 23-1 to 350 m² surface area and 925 m³ excavation volume.
22. Within Section 35 20 23 (East End Slope Excavation), add clause 1.1.11 as follows: *"Contractor shall conduct excavation activities in a manner that minimizes the generation of excavation residuals and potential for accumulation of excavation residuals within the excavation area. If removal of excavation residuals is required to facilitate placement of the engineered capping materials, then removal of these materials shall be considered incidental to the work and will not be considered for additional cost to the Contract."*
23. Within Section 35 20 23 (East End Slope Excavation), revise 1.2.1 as follows *"Payment for excavation shall be made on a Cubic Meter basis, as a part of the price tendered for EAST END SLOPE EXCAVATION AND DISPOSAL (Includes upland overburden excavation at east end approach retaining wall), once all required excavation and certified disposal has been accepted (upon comparison of Contractor's pre-and post-construction surveys and excavation plan) by the Departmental Representative."*
24. Within Section 35 20 23 (East End Slope Excavation), add clause 3.2.10 as follows: *"Following completion of Required Excavation activities, and after the Departmental Representative accepts that all Required Excavation has been completed, the Departmental Representative will conduct post-excavation confirmation sampling and testing. The Contractor shall make safe and allow access for the post-excavation confirmation sampling. The time required for the Departmental Representative to complete the post-excavation confirmation sampling shall not be a basis for the contractor to request additional costs to the Contract."*
25. Within Section 35 20 23.01 (East End Slope Excavation Upland Transportation and Disposal), add clause 1.1.2 as follows: *"Contractor is responsible for all testing/characterization of excavated soils, as required for transport and disposal in accordance with Laws and Regulations."*
26. Within Section 35 20 23.01 (East End Slope Excavation Upland Transportation and Disposal), add clause 1.1.9 as follows: *"Contractor shall provide name(s) and location(s) for all Disposal"*

Facilities to be used as part of the project and copies of valid/current permits indicating the facility is permitted to accept the waste material.”

27. Within Section 35 20 23.01 (East End Slope Excavation Upland Transportation and Disposal), revise clause 1.2.1 as follows: *“All costs associated with excavation of upland overburden material and intertidal materials at the East Approach Retaining Wall, and transport and disposal of the materials at the Disposal Facility shall be measured and paid for as part of the volume tender item EAST END SLOPE EXCAVATION AND DISPOSAL.”*
28. Within Section 35 37 10 (Existing Engineered Capping), revise clause 2.5.3 as follows: *“The Contractor shall provide information regarding the source of the sand material to the Departmental Representative. The Contractor shall also collect one representative sample of sand material imported to the EGD Work Site and analyze the sample for metals, LEPH, and HEPH. The frequency of testing may be increased or decreased by the Departmental Representative if considered appropriate based on the results of testing or visual assessment of imported material.”*
29. Within Section 35 37 10.01 (East End Slope Capping), revise clause 2.4.3 as follows: *“The Contractor shall provide information regarding the source of the sand material to the Departmental Representative. The Contractor shall also collect one representative sample of sand material imported to the EGD Work Site and analyze the sample for metals, LEPH, and HEPH. The frequency of testing may be increased or decreased by the Departmental Representative if considered appropriate based on the results of testing or visual assessment of imported material.”*
30. Within Section 31 61 13 (Pile Foundations General Requirements) delete “(including dive video)” from clause 1.9.2.
31. Within Section 31 61 13 (Pile Foundations General Requirements) add clause 3.6.17 as follows
“All pile tips shall be provided with a fabricated sacrificial pile shoe that is flush with the outside face of the pile as shown on the drawings.”
32. Within Section 31 61 13 (Pile Foundations General Requirements) add clause 3.13.10 as follows:
“Perform 1 tension pile load test and prepare reports in accordance with ASTM D3689 except as specified. Department Representative will select the location of the pile load tests.

END OF SECTION