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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

|   |  |
|---|--|
| <b>Title - Sujet</b> Keogh River Bridge Replacement   |  |
| <b>Solicitation No. - N° de l'invitation</b><br>EZ899-220114/A  | <b>Amendment No. - N° modif.</b><br>002      |
| <b>Client Reference No. - N° de référence du client</b>   | <b>Date</b><br>2021-07-16                    |
| <b>GETS Reference No. - N° de référence de SEAG</b><br>PW-SPWY-020-9011   |  |
| <b>File No. - N° de dossier</b><br>PWY-1-44030 (020)  | <b>CCC No./N° CCC - FMS No./N° VME</b>       |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b> Pacific Daylight Saving Time PDT<br><b>on - le 2021-07-27</b> Heure Avancée du Pacifique HAP  |  |
| <b>F.O.B. - F.A.B.</b><br><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><br>Ly, Ronny(PWY)   | <b>Buyer Id - Id de l'acheteur</b><br>pwy020 |
| <b>Telephone No. - N° de téléphone</b><br>(604) 318-5750 ( )  | <b>FAX No. - N° de FAX</b><br>(604) 775-6633 |
| <b>Destination - of Goods, Services, and Construction:</b><br><b>Destination - des biens, services et construction:</b><br>PWGSC - Keogh River - Port Hardy, BC             |  |

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><br><b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>   |  |
| <b>Telephone No. - N° de téléphone</b><br><b>Facsimile No. - N° de télécopieur</b>   |  |
| <b>Name and title of person authorized to sign on behalf of Vendor/Firm</b><br><b>(type or print)</b><br><b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b><br><b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b> |  |
| <b>Signature</b>   | <b>Date</b>                                  |

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This Amendment 002 is raised to:

- Extend the closing date of the solicitation
- Revise Appendix 1 – COMBINED PRICE FORM
- Issue Addendum 002

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## Extension of Time for Tenders

Keogh River Bridge Replacement  
Port Hardy, B.C.

Solicitation No: EZ899-220114/A

Notice is hereby given that the time for reception of proposals previously due at 2:00 p.m. PDT on 20 July 2021 is hereby extended to **2:00 p.m. PDT on 27 July 2021.**

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DELTE: Appendix 1 on page 13 of the Invitation to Tender in its entirety

INSERT: **Appendix 1 – COMBINED PRICE FORM REVISED JULY 16, 2021**

## **APPENDIX 1 - COMBINED PRICE FORM REVISED JULY 16, 2021**

- 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.

| Item                             | Class of Labour, Plant or Material                                   | Unit of Measurement | Estimated Quantity (EQ) | Price per Unit applicable tax(s) extra (PU) | Extended amount (EQ x PU) applicable tax(s) extra |
|----------------------------------|--|---------------------|-------------------------|---|---|
| <b>Section 1 - General Items</b> |  |                     |                         |   |   |
| 1.01                             | Mobilization, Demobilization, and General Conditions of Contract     | L.S.                | 1                       |   |   |
| <b>Section 2 - Civil</b>         |  |                     |                         |   |   |
| 2.01                             | 250mm Stripping, including disposal                                  | Cubic Metre         | 220                     |   |   |
| 2.02                             | 150mm Crushed Angular Rock Fill                                      | Tonnes              | 1210                    |   |   |
| 2.03                             | Select Granular Sub-base   | Tonnes              | 440                     |   |   |
| 2.04                             | Crushed Well Graded Base   | Tonnes              | 198                     |   |   |
| 2.05                             | Top Soil Placement and Grading                                       | Square Metre        | 300                     |   |   |
| 2.06                             | Hydraulic Seeding  | Square Metre        | 300                     |   |   |
| 2.07                             | Thrie Beam Guard Rail - Approaches                                   | Metre               | 100                     |   |   |
| 2.08                             | Signage  | Ea.                 | 6                       |   |   |
| 2.09                             | Removal of Existing Bridge and Abutments                             | L.S.                | 1                       |   |   |
| 2.10                             | Erosion Protection - Class 100 kg Riprap                             | Tonnes              | 834                     |   |   |
| <b>Section 3 - Bridge</b>        |  |                     |                         |   |   |
| <b>Precast Concrete</b>          |  |                     |                         |   |   |
| 3.01                             | Supply, Fabrication and Installation of Precast Concrete Headwalls   | L.S.                | 1                       |   |   |
| 3.02                             | Supply, Fabrication and Installation of Precast Concrete Deck Panels | L.S.                | 1                       |   |   |
| <b>Structural Steelwork</b>      |  |                     |                         |   |   |
| 3.03                             | Supply, Fabrication and Erection of Structural steel                 | L.S.                | 1                       |   |   |
| <b>Miscellaneous Steelwork</b>   |  |                     |                         |   |   |
| 3.04                             | Steel Bearing Plates   | L.S.                | 1                       |   |   |

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|  |                                  |                 |    |  |  |
|--|----------------------------------|-----------------|----|--|--|
| 3.05   | Steel Guard Rail                 | L.S.            | 1  |  |  |
|  | <b>Piles</b>                     |                 |    |  |  |
| 3.06   | Supply of Steel Pipe Piles       | Linear<br>Metre | 44 |  |  |
| 3.07   | Installation of Steel Pipe Piles | Linear<br>Metre | 44 |  |  |
|  | <b>Bearings</b>                  |                 |    |  |  |
| 3.08   | Elastomeric Bearings             | L.S.            | 1  |  |  |
| TOTAL BID AMOUNT<br>Excluding applicable taxe(s) |                                  |                 |    |  |  |

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See Addendum 002 below.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**

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

## **Tender Questions and Responses**

Question 01      In the General Instructions 01 11 55 page 5 item 1.12.1 it mentions “building permits, certificates, licenses, and other permits required by municipal, provincial or federal authority’s”. Just to be clear we assume that the building permits, DFO permits and all other permits necessary for this new structure has already been taken care of and obtained by public works? If that is not the case the bridge construction can and probably will be delayed at no fault of the contractor.

**Response 01      Permits for the new structure have been initiated by Public Works. All other permits as required to carry out the works shall be obtained by the Contractor.**

Question 02      In the General Instructions 01 11 55 page 6 item 1.16.3 indicates that shop drawings are needed for relative positions of various services and equipment. Does this included underground services and if it does we will need that information provided in order to document it.

**Response 02      There are no records of underground utilities within the areas that require ground disturbance at this site. However, it remains the contractor responsibility to perform underground locates prior to any subsurface works.**

Question 03      In the General Instruction 01 11 55 page 8 item 1.19.2.1 it stipulates to “coordinate drawings, structural elements, service lines, rough in points, and indicate location of services entrance to site”. In order to do this we will need a detailed General Arrangement drawing of all the stipulations as above.

**Response 03      There are no records of underground utilities within the areas that require ground disturbance at this site. However, it remains the contractor responsibility to perform underground locates prior to any subsurface works.**

Question 04      In the Demolition for Civil Works section 02 41 99 item 3.1.2 it indicates to “protect utilities, preserve active utilities traversing site in operating condition”. We will need to know what those utilities are on site and where they are located in order to provide the protection necessary

**Response 04      There are no records of underground utilities within the areas that require ground disturbance at this site. However, it remains the contractor responsibility to perform underground locates prior to any subsurface works.**

Question 05      In the Special Procedures Airport use section 01 35 13 page 4 item 3.6.2 This item specifically puts all the responsibility on the contractor for all existing underground power and communication cables. With that said there has been very limited to no information provided with regards to what exactly is on site for the contractor to be able to put a dollar value to this. More information is needed

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**Response 05**      **There are no records of underground utilities within the areas that require ground disturbance at this site. However, it remains the contractor responsibility to perform underground locates prior to any subsurface works.**

Question 06      in the Quality Control section 01 45 00 Item 1.4.1 it indicates "Appoint and pay for services of third party Independent quality control and quality assurance".. We need to understand how this relates to items such as the steel girder fabrication and ndt testing as well precast testing. If the contractor is hiring a third party and required to test then we'll need to know what level of inspector do you want and what is the testing criteria in order to bid this appropriately.

**Response 06**      **.1 Steel Girder Fabrication**

**The contractor is required to be compliant with CSA G40.21 as specified in Contract Specification - Section 05 12 33, Page 5, §2.3.1. Copies of all test quality documentation shall be provided to the Departmental Representative.**

**.2 Precast Concrete**

**In accordance with the requirements of A23.4-16 Precast concrete — Materials and construction §19.3.1.2:**

***"...a minimum of two cylinders from each type of concrete mix each day or a minimum of two cylinders for each 30 m3 of any one mix when daily production exceeds 30 m3."***

**The contractor is required to be compliant with all specified in Contract Specification - Section 05 12 33, §1.7 Quality Assurance. Copies of all test reports performed under the CPCQA Certification Program and the precaster's Quality Control Plan shall be provided to the Departmental Representative.**

Question 07      Drawing C6 top left of the page "Thrie beam guardrail elevation" doesn't appear to have the spacing for the posts provided. It indicates see transition beam detail below as well see structural drawings for w-beam details". There is no additional information available in either of these items so we will need to know the spacing of the posts

**Response 07**      **The posts are to be spaced at 1,905mm centres, in accordance with BC MoTI requirements.**

Question 08      The top flange of the girders is called out as 22mm (7/8"). This particular thickness is not normally a thickness we see on girder bridges, can we opt to increase the top flange to 25.4mm thick if we cannot find the 22mm?

**Response 08**      **There is no objection to a potential increase in top flange thickness from 22mm to 25.4mm. However, this is subject to the following:**

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- **Top flange should remain 400mm as marked on the Contract Drawings**
- **There will be no additional allowable cost due to this contractor driven change**
- **The web depth is to reduce and the overall girder depth is to remain the same (1249mm)**

Question 09      How many existing underground cables are there? (2? -10?)

**Response 09      There are no records of underground utilities within the areas that require ground disturbance at this site. However, it remains the contractor responsibility to perform underground locates prior to any subsurface works.**

Question 10      Do we have to lower boom when aircraft is using runway?

**Response 10      WSP note all construction equipment shall remain below the Obstruction Limitation Surface in accordance with the Contract Specification – Appendix A – Plan of Operations. Booms are required to be lowered whenever a crane operator is off-site, however there is no requirement for booms to be lowered for aircraft activity.**

Question 11      You have given us until December 15<sup>th</sup> to complete the bridge. Does that mean there is no Fisheries window to be concerned about for instream works?  
a. Is there any reason we could not work 6 or 7 days per week including Saturday and Sunday? (Section: 01-14-00)

**Response 11      The Contractor shall complete all inwater works within the Reduced Risk Window of June 15 to September 15, 2021 where possible. Inwater works shall not occur under any circumstances after October 31, 2021 and the Contractor should be aware that as the timing moves into September and October, there is a high likelihood of increased flows and / or increased fish presence which may require further mitigations and / or work stoppages as determined by the Qualified Environmental Professional**

Question 12      What testing and inspections would you be requiring so we can carry compensation for such?

**Response 12      As above, see Response 06.**

Question 13      What operational requirements could be required (3.3.2) which will cause construction delays?

**Response 13      WSP note the reference is to the Contract Specification - Section 01 14 00, §3.3.2 Use of Site and Facilities. WSP note the purpose of the clause is in relation to the perimeter road.**

**Specifically, clear right of way is required to the perimeter road at all times. The contractor will have use of the road, but not exclusive access. It will**

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**need to be kept open for other users, including in relation to airport operations, with no parking permitted.**

Question 14 Is the client providing security escorts? (3.3.6)

**Response 14 WSP note the reference is to the Contract Specification - Section 01 14 00, §3.3.6.2 Special Requirements.**

**For the contract, it is proposed that for the initial walk-through security escorts will be provided to direct the contractor to site. Thereafter contractor access will be available via the secured speed gate and Gate 9 with gate clickers, with no requirement for security escorts on a daily basis.**

Question 15 Section 01-35-00: If this is not a public road, is there a need for traffic control plan?

**Response 15 The Contractor is responsible for traffic management and site safety. Full closure of the road is permitted for replacement of the bridge. You are correct in that this is not a public road; however, there are stakeholders and agencies that have access to this road. The traffic control plan shall communicate what measures the Contractor will employ during the road closure.**

Question 16 Section 01-45-00: 1.4 is quite vague on what inspections you are requiring. Can you be more specific on what testing you will require

**Response 16 As above, see Response 06.**

Question 18 Section 31-61-13: 1.2 Pile measurement is based on lineal meter installed yet bid sheet 3.07 is Lump Sum for install.

- What if the pile goes further than shown on the drawing S5? How are we compensated for splicing and supplying more pipe?
- What if the pile hits refusal before estimated pile tip elevation? Are we expected to include drilling in the cost for pile driving?
- Are you saying the estimated tip elevation is the required tip elevation thus drilling would be necessary?
- Who pays for PDA testing?

**Response 18 Refer to the revised Unit Price Table attached to this Addendum. Each of the pile items will be paid on a per metre basis. Measurement will be based finished length installed, measured from pile tip to finished cut off elevation. Pile shall be driven to refusal as defined in the Specifications. The tip elevations provided are estimated depths for refusal, actual refusal may occur at a shallower or deeper elevation. Drilling of the piles is not required. The cost for PDA testing is the responsibility of the Contractor and shall be included in the bid price.**

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Question 19      How many square meters of hydraulic seeding are you anticipating?

**Response 19      As noted in the Invitation to Tender Document – Appendix 1 – Unit Price Table, the estimated quantity is 300 square metres for hydraulic seeding.**

Question 20      Plan of Construction Operations:  
                         a. 2.1.1 This window has expired. What is the new window.  
                         b. 3.5 Will excavator and cranes be allowed, when not working, to be left at bridge site with booms down?

**Response 20      a)            As above, see Response 11  
                         b)            See Response 10, excavator and cranes can be left at the bridge site with booms down whenever an operator is off-site on the condition that they remain out of the Obstruction Limitation Surface.**

**END OF SECTION**

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