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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
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

Title - Sujet Upscheek Tashee Trail Construction	
Solicitation No. - N° de l'invitation 5P437-190013/B	Amendment No. - N° modif. 005
Client Reference No. - N° de référence du client 5P437-190013	Date 2019-04-01
GETS Reference No. - N° de référence de SEAG PW-\$PWY-019-8566	
File No. - N° de dossier PWY-8-41204 (019)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-04-18	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: Ngan, Ken (PWY)	Buyer Id - Id de l'acheteur pwy019
Telephone No. - N° de téléphone (604) 671-0219 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Parks Canada (PCA) - Upscheek Tashee Trail - Pacific Rim National Park - Ucluelet, 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

Solicitation No. - N° de l'invitation
5P437-190013/B
Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif
005
File No. - N° du dossier
PWY-8-41204

Buyer ID - Id de l'acheteur
PWY019
CCC No./N° CCC - FMS No./N° VME

Les documents français seront disponibles sur demande.

This Solicitation Amendment 005 is raised to incorporate Addendum 4, which did not upload correctly in Solicitation Amendment 004.

Please find following Addendum 4.

All other terms and conditions remain unchanged.

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

1.0 SPECIFICATION 03 30 00, CAST IN PLACE CONCRETE:

In specification 03 30 00, clause 1.7, Protection, the following requirement is added as sub-clause .8:

The Contractor must provide a carbon dioxide (CO₂) tank with regulator, hose and gas diffuser on site and readily available during all concrete work to neutralize pH levels should a spill occur. All staff must be trained in its use.

2.0 CONTRACT TENDER DRAWINGS, Sheet W-4.3 – Site D Wall.

On the typical section delete reference to Envirogrid walls. Wall 4 shall be concrete block such as Allan Block, Lock Block, or approved equal.

3.0 PAY ITEMS 66 and 67, Trail Waste Excavation and Tail Embankment:

Items 66 and 67, of the Unit Price Table - Specification Reference is revised from 31 14 13 to 31 24 13.

4.0 QUESTIONS RECEIVED FROM PROSPECTIVE BIDDERS:

- 1. Question:** Regarding Pay Items 147 through 152 Pipe Culverts c/w 300 mm Fisheries Gravel or Native Organics. The total count of these is 118. According to sheet D2, a total of 27 culverts are listed as Amphibian Modification or Fish Bearing Water Crossing. As these numbers do not match what is the intent? Do all culverts get modified for fish or amphibians per the pay item, or do we follow D2? Also, if the intent is to modify all culverts for fish or amphibians, do they need to be done in the applicable windows?

Answer: On Drawing D-2, the table for “Proposed New HDPE Culvert Crossings” has 17 amphibian modified culverts, 12 fish bearing watercourse culverts (8 single + 2 double) and 77 watercourse drainage culverts, and 16 culverts around retaining walls, a total of 122 culverts. The timing on the 17 amphibian culverts (with organics filled invert) need to comply with construction windows provided in Specification 01 35 43, Environmental Procedures, Clause 1.9, Amphibian Habitat Protection and Salvage. The timing on the 12 fish bearing stream culverts plus 27 other streams need to comply with construction windows provided in Specification 01 35 43, Environmental Procedures, Clause 1.7, Watercourses and Wetlands. The remaining watercourse culverts (50) and wall related culverts (16) will need to be “done in the dry.” They can be done outside of the fish window, but no silt or other debris can enter flowing water. In the ‘Unit Price Table’ 118 culverts with fisheries gravel or organics are shown. The wall culverts will not require gravel or organic fill and will be paid under pay items 140 to 146. The quantities in the unit price table provides for 12 additional fisheries and amphibian culverts of various diameters to permit additional culverts to be added at the direction of the Departmental Representative if additional water courses are required during construction.

- 2. Question:** Is the rip rap shown on drawing D5 paid for under Item 82?
-

Answer: Yes, this rip rap will be paid under item 82.

3. Question: Please confirm the locations of Pipe Culverts Items 140 through 146. We cannot find them on D2 or on the plans.

Answer: The culverts paid under items 140 through 146 are at the wall locations. An additional quantity allowance is included in these items where the Departmental Representative directs that an additional culvert be installed that was not shown on the design drawings.

4. Question: Regarding retaining wall drainage, is the intent to have one perforated pipe running perpendicular to the wall or is there perforated pipe running the length of the walls, and teeing into the perpendicular pipe. The drawings are not clear on this point.

Answer: That is correct. A 100mm diameter perforated PVC pipe, shown only in the typical wall section, shall drain the wall fill. This shall be included in the price bid for the walls.

5. Question: Item 75 – Geotextiles, woven high survivability, what does this payment item include? Is it for the retaining walls, trail, and temporary accesses?

Answer: This pay item for woven geotextiles is for the geotextile placed on the subgrade of the trail before placing the subbase material. The uniaxial grid in the walls shall be included in the wall price. Geotextiles for the access points shall be included in the lump sum price for the temporary accesses.

6. Question: Drawing w1.1 refers to W1.6 which does not exist. Please confirm.

Answer: Delete the reference to sheet W-1.6.

7. Question: In the 75 mm minus spawning gravel gradation does the 15 % pit run refer to the large rounded cobble up to 300 mm in size?

Answer: That is correct. The spawning gravels shall consist of the percentage of gradations shown in the tables plus approximately 5 % of rounded cobble between 100 mm and 300 mm diameter.

8. Question: In Drawing W2.4 200 mm diameter swale drain there are 22-degree bends, where do these get paid for?

Answer: Bends on smaller diameter pipe, 200 mm and less, shall be included in the unit rates bid for the matching diameter of pipe.

9. Question: The drawings on the walls refer to Erosion Control Matting. Is this the same as Item 78 Erosion Control Blanket?

Answer: Correct. Erosion Control Matting and Erosion Control Blanket are the same material.

10. Question: According to the definition of Select Granular Subgrade fill this material will come from within the right of way or designated borrow locations. Is this the intent, or is it to be contractor supplied?

Answer: Select Granular Subgrade Fill shall be supplied by the Contractor from an off-site pit. If suitable material is obtained during the highway or trail excavation and is reused it shall be paid as Highway Embankment (Item 69) or Trail Embankment (Item 67.)

11. Question: For Sheet F-8 and sheet F-11 there is no corresponding pay item under Fisheries Work in the schedule of quantities. Please advise.

Answer: The work shown on both drawings will be paid under the appropriate unit rates including culverts, Envirogrid retaining walls, subgrade fills, geotextiles, and trail construction.

12. Question: In wall 8 Station 0+230 to 0+240 there is an elevated Envirogrid wall. Can you provide details or a typical of this wall?

Answer: These walls will be the same as the typical Envirogrid wall shown on sheet W-8.3, Typical Fill Section with granular subgrade fill, placed back to back. The wall drainage pipe will not be required.

13. Question: How is the fill material behind the retaining walls paid for? The specifications state crushed granular subbase is to be used (323234 section 2.2.3.5), and some typicals show pit run gravel. The measurement for payment states that it will be paid for under the excavation and disposal of unsuitable material and backfill under embankment material. It appears these three are in conflict. Please clarify.

Answer: Fill material behind the walls shall be paid at the cubic metre price bid for that material. The material used to fill the Envirogrid prisms shall also be paid at the unit rate bid for the material used. The additional cost for placing the material in the Envirogrid prisms shall be included in the price bid for the Envirogrid wall face. Materials used for backfilling behind walls may include suitable material excavated on site (paid as trail embankment) and select granular subgrade fill.

14. Question: Question on precast concrete beams for bridge structures: Can roller hold downs be used in place of hold down method proposed?

Answer: This strand arrangement has been used in other projects and was accepted by the Authority. However, alternative approach and strand arrangement proposed by girder supplier is acceptable with their Engineers seal and signature.

15. Question: Question on precast concrete beams for bridge structures: In place of the top and bottom mesh can a mat of 10m bars be used (with engineered drawings submitted?)

Answer: Alternative girder top reinforcement details is acceptable with their Engineers seal and signature.

16. Question: Question on precast concrete beams for bridge structures: In place of 15m MMFX rebars can stainless steel bars be used?

Answer: Using stainless steel rebar to replace MMFX bar is acceptable.

17. Question: Question on precast concrete beams for bridge structures: In place of the 15m MMFX bar configuration shown can a double camel bars be used?

Answer: The detail proposed using a double camel bar configuration (sketch was provided) is acceptable.

18. Question: Question on precast concrete beams for bridge structures: The dimensions of the box girders are 1206mm top and 1190mm bottom. Can this be revised to 1194mm constant width to match MoTI standards?

Answer: Changing girder dimension will change bridge design. The supplier and Contractor shall be responsible for the costs of design changes.

19. Question: Question on precast concrete beams for bridge structures: 3 box girders (1206mm top dimension) are shown on the drawings. Would 2 box girders 1790 mm wide be considered? This saves on freight cost reducing shipments by 1 load. We can design the alternate and stamp it for the loads specified by you.

Answer: Changing girders from three to two will substantially change bridge design. The supplier and Contractor shall be responsible for the costs of design changes and take this into consideration in the price tendered. The new design must be substantially the same visually, meet all Parks Canada requirements and be in accordance with the tender specifications.

20. Question: Can you please provide a high level summary of Canada's (Parks Canada) engagement with Tla-o-qui-aht and Yuuthlu-ilth-ath /Ucluelet First Nations that has taken place prior

to the RFP for the project. What commitments, if any have been made? What was the Nations' involvement in Phase 1 of the project?

Answer: For all projects or initiatives, such as ʔapsčiiik ʔašii, PCA has a legal duty to consult. The consultation process with both First Nations began immediately at the start of the project and there has been continuous engagement throughout the project. Through the engagement and consultation process, the First Nations provide guidance, direction and support for the ʔapsčiiik ʔašii project. In response to the request for summary of engagement, this occurs regularly.

The first Request for Information (RFI) occurred in November of 2017 which included a site meeting. The second RFI occurred from January 4, 2019 to January 21, 2019, as per the Request for Information (RFI) (file #5P437-190013/A). The RFI asked for voluntary participation from industry and the local indigenous community to respond to the published questions and “to submit whatever information it feels would make a useful and relevant contribution to PSPC and Parks Canada analysis of this project and the development of solicitation documents to procure a solution to fulfill its requirements.” As stated in the RFI all responses are “confidential, subject to the provisions of the Access to Information Act (R.S. 1985, c. A-1) and the Privacy Act (R.S., 1985, c. P-21).” Additionally, “The issuance of this RFI is not to be considered in any way a commitment by the Government of Canada, nor as authority to potential respondents to undertake any work that could be charged to Canada.”