



AMENDMENT #2 MODIFICATION #2

RETURN BIDS TO:

RETOURNER LES SOUMISSIONS Á:

**Parks Canada Agency
National Contracting Services
Bid Receiving Unit
111, Water Street East
Cornwall ON K6H 6S3**

Tender To: Parks Canada Agency

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Soumission à: l'Agence Parcs Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du Chef du Canada, aux conditions énoncées ou incluses par référence dans la présente at aux annexes ci-jointes, les biens, services et construction énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Issuing Office - Bureau de distribution

Parks Canada Agency
111, Water Street East
Cornwall ON K6H 6S3

Title-Sujet Replacement of Warves at Black Rapids Lock station		
Solicitation No. - No. de l'invitation 5P300-17-5408/A		Date: October 25, 2017
GETS Reference No. - No de reference de SEAG		Client Ref. No. - No. de réf du client. 1371
Solicitation Closes:		
at - á 02:00 PM	on - le October 31, 2017	Time Zone - Fuseau horaire EDT - HAE
F.O.B. - F.A.B.		
Plant-Usine: <input type="checkbox"/> Destination: X Other-Autre: <input type="checkbox"/>		
Address Inquiries to: - Adresser toute demande de renseignements à : Patrick Alguire - patrick.alguire@pc.gc.ca		
Telephone No. - No de téléphone (613) 938-5955		Fax No. - No de FAX: (877) 558-2349
Destination of Goods, Services, and Construction: Destinations des biens, services et construction:		
See Herein - Voir dans la présente		

**TO BE COMPLETED BY THE BIDDER (type or print)
À ÊTRE COMPLÉTER PAR LE SOUMISSIONNAIRE (taper ou écrire en caractères d'imprimerie)**

Vendor/Firm Name - Nom du fournisseur/de l'entrepreneur	
Address - Adresse	
Name of person authorized to sign on behalf of the Vendor/Firm	
Titale - Titre	
Telephone No. - N° de téléphone:	
Facsimile No. - N° de télécopieur:	
Email - Courriel:	
Signature	Date

THE FOLLOWING AMENDMENT TO THE TENDER DOCUMENTS IS EFFECTIVE IMMEDIATELY. THE AMENDMENT SHALL FORM A PART OF THE CONTRACT DOCUMENTS.

1. Appendix 1 Price Form has been revised.

Bidders are to use the revised quantities as identified below when submitting a bid. If a bidder submits pricing using the original quantities, Canada, on behalf of the bidder, will use the revised quantities below to determine the total bid price. The bidders shall use the original pricing table and cross out the old quantity and write in the revised quantity.

If you have already submitted your bid, you are invited to send us your revisions by fax to 1-877-558-2349. Please indicate the number of the invitation to tender on all correspondences.

1.1 Unit Price Table, Line Item 5

Delete:

5	03 99 00	Rock Anchors	Each (ea)	185
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Replace with:

5	03 99 00	Rock Anchors	Each (ea)	76
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2. Change in the DSP

In: DSP 5P300-17-5408A.zip,
161-08318-00_Black Rapids_Drawings_TENDER_20170908.pdf
Drawing: S-03

In all notes referring to rock anchors replace “@600 (TYP.)” with “In back corner of each crib bin.”

Drawing: S-04

In all notes referring to rock anchors replace “@600 (TYP.)” with “In back corner of each crib bin on concrete.”

In: DSP 5P300-17-5408A.zip, Blk_Rapids_Specs_For_Tender_20170907.pdf
Section, Part: 02 81 01 Hazardous Materials, Part 2 Products

Add:
2.1.4 The timber on-site that is to be removed may also have been treated with creosote or other type of wood preservatives used in past.”

Section, Part: 02 81 01 Hazardous Materials, Part 3 Execution

Add:
3.1.3 Handle treated wood with appropriate precautions and dispose of as per provincial legislations.

Section, Part: 06 08 99 Rough Carpentry For Minor Works

Delete:

3.2.2.1 All timbers to be pre-cut and pre-bored prior to preservative treatment

Replace with:

2.1.4 All field cuts and bores in wood used for staircase and retaining wall shall be treated with hand applied wood preservative in a manner providing equivalent protection to pressure treatment.

Section, Part: 00 01 10 Table of Contents

Delete:

31 32 19.01 GEOTEXTILES

Replace with:

31 32 19.16 GEOTEXTILES

Section, Part: 31 32 19.16

Delete header:

31 32 19.16 GEOTEXTILES SOIL STABILIZATION

Replace header with:

31 32 19.16 GEOTEXTILES

Section, Part: All Sections

Any references to soil stabilization shall be removed from this specification.

3. Questions and answers

Question 1: Request the make and model and part number for the new steel pedestals – Drawing E-02 – note 4 (No Specs).

Answer 1: An example part number would be Crouss Hinds – Condulet Conduit Bodies – Form 7 - 670FG – 2 inch – to come with integral gaskets and solid gaskets with Covers – GASK576 for Form 7 -2inch condulet. Twist lock receptacle to be mounted inside the condulet. Condulet is to be used as a stub out pedestal.

Question 2: Request model and kA rating of the Square D panel feeding the pedestal receptacles – Drawing E-02 – note 2.

Answer 2: The existing panel is a – “Square D” cat. No.: NQOD430L225CU, Series E2, 10kA.

Question 3: Are there any in ground pull boxes at the foot of the existing pedestals to coil the existing wiring to be reused?

Answer 3: There are no hand hole boxes or pull boxes that can be visually seen on site. There may be an existing transition box where the existing feeders at present turn into the existing pedestal, however, this cannot be visually confirmed. Govern yourself accordingly.

Question 4: If there aren't, to what point should we pull back the existing wiring?

Answer 4: Existing cable to be coiled back sufficiently and made safe sufficiently that the wharf construction will not cause damage. They are not to cause a safety issue on the construction site. At least to the limit of any and all excavations for removal and

construction of wharf, be coiled, wrapped, protected and salvaged for reuse. Any damage to the wiring will require watertight/underwater splicing.

Question 5: Do we need to install new buried or embedded conduit to the new pedestals?

Answer 5: The wiring at the new footing, the existing wiring will need to be threaded through new concrete encased ducting. Refer to structural drawing for additional information. All efforts are to be made to reuse existing buried wiring and ducts if present.

Question 6: Are the new pedestals stubbed out of the new concrete Wharf E-02 – note 3 or on concrete footings as per S-08?

Answer 6: We have separate and distinctive sonotube reinforced concrete footings specified on S-08 for each of the pedestals, we are not attaching/stubbing to the concrete. Pedestal to be a galvanized steel assembly consisting of base plate with central opening accepting the wiring, steel column pipe that will accept the wiring and a top section that will allow permanent attachment of the conduit and receptacle boxes. The pedestals will require to be rigid and secure and will be will be completed by wooden decorative and protective enclosures.

Question 7: Do you have any specifications for the new 30A 1P 120V receptacles?

Answer 7: Receptacles are to be GFI type, CSA type TT-30R, see spec "Wiring Devices 26 27 26", Section 2.2.

Question 8: The new electrical pedestals are they supplied by client, if not could you provide details of type required.

Answer 8: Pedestal to be a galvanized steel assembly consisting of base plate with central opening accepting the wiring, steel column pipe that will accept the wiring and a top section that will allow permanent attachment of the conduit and receptacle boxes. The pedestals will require to be rigid and secure and will be will be completed by wooden decorative and protective enclosures.

Question 9: Can we use galvanized threaded rod cut to fit with zinc coating applied to the ends instead of manufactured bolts? All bolts will require special order at a premium cost.

Answer 9: Bolts are required as per specs.

Question 10: The Basic impact analysis, page 30 section 9.A.3, requires that a qualified professional prepare an EMP in accordance with Environmental standards Guidelines for Ontario Waterways 2017. Please confirm that this is a requirement for the contractor? If so please provide a copy of the Environmental Standards Guidelines for Ontario Waterways 2017.

Answer 10: See B&S web site for file newly posted

Question 11: Please confirm the number and locations of the Rock Anchors?

Answer 11: Sheet S-03: For Rock Anchors Notes replace "@600 (TYP.)" with "In back corner of each crib bin".

Sheet S-04: For Rock Anchors Notes replace "@600 (TYP.)" with "In each corner of each crib bin on concrete".

Question 12: Please also confirm the type of anchor required? Epoxy coated standard 35m bars?

Answer 12: 35M reinforcing bar. Epoxy coated as a minimum. Galvanized or stainless steel is also acceptable.

Question 13: Please confirm the gradations requirements for all gabion and stone fill.

- Answer 13:** Rip Rap scour protection, stone fill below cribs, and ballast within cribs shall all be G10-Gabion stone. G-10 Gabion Stone gradation is provided in OPSS 1004 – Table 8. 90% has to be larger than 10 kg and smaller than 15 kg, which is equivalent to stone size of 150 to 200mm cube.
The clear stone under cribbing to be 50 mm clear stone that is paid separately.
The clear stone for backfill to be 19 mm that is paid separately.
- Question 14:** Please confirm scope of work related to the survey monument located in the upper wharf.
- Answer 14:** Carefully remove and reset in new concrete in the same location.
- Question 15:** G-10 Gabion Stone. Please clarify what size of stone you actually want as gabion stone is normally 100 to 125 mm in size.
- Answer 15:** G-10 Gabion Stone gradation is provided in OPSS 1004 – Table 8
- Question 16:** The tender gives a completion date of May 30, 2018. We are also aware of the “in water works” limit of March 14, 2018. Assuming the tender is awarded by mid November 2017 and we have approved timber shop drawings by the end of November 2017. Our suppliers have indicated they need approx. 90 days to the get the material, cut to lengths, pre drill (for bolts, counter sinking), kiln dry and pressure treat. This takes us to the end of February 2018, leaving 2 weeks to install the system which is unrealistic. As we are working inside a turbidity curtain can you get an exemption on the March date for in water work and allow us to work in water into May 2018?
- Answer 16:** The indicated date is regulated and must be considered as such for bidding purpose. However, exceptional and unforeseeable circumstances causing delays would be considered and could justify an extension which cannot be requested or granted in advance. In any case it could not be extended beyond April 30th.
- Question 17:** Section 06 08 99-Timber Retaining Wall .1 – “All timbers to be pre-cut and pre-bored prior to preservative treatment.” Is it the intent of the owner to have the contractor build the retaining wall on site to accommodate the existing/final grade drill and bolt/pin it together, then take the wall apart and send for the preservative treatment?
- Answer 17:** Commercially available treated wood to be used. Cut and bores to be treated with hand applied preservative.
- Question 18:** Section 31 32 19.16 - Soil Stabilization. Where is it indicated that the soil stabilization is required in this contract?
- Answer 18:** No soil stabilization is specified in Contract. Clarification only. The title of the section should not include words “Soil Stabilization” In table of content the number of Section 31 32 19.01 shall be changed to 31 32 19.16.
- Question 19:** Section 31 53 13.01 – Crib Construction. “Precut and pre-bore timber prior to preservative treatment.” Is it the intent of the owner to have the contractor build the timber cribs on site to accommodate the existing/final grade figure out the required angles/orientation and bolt/pin the cribs together, then take the cribs apart and send for the preservative treatment?
- Answer 19:** The timer drills, cuts and bores to be treated on site with matching wood preservative.
- Question 20:** Drawing S-03, - Please clarify location and quantity of rock anchors to avoid striking the floor timbers in the new cribs. Are the rock anchors only located on the fill side within the cribs as shown in section A (Upper Wharf)?
- Answer 20:** Sheet S-03: For Rock Anchors Notes replace “@600 (TYP.)” with “In back corner of each crib bin”

Sheet S-04: For Rock Anchors Notes replace “@600 (TYP.)” with “In each corner of each crib bin on concrete”

Question 21: Drawing S-04, - There appears to be a discrepancy between the “Typical Timber Crib Plan” and “Timber Crib Plan and Connection” detail sections on this drawing. What bolt lengths are to be used and at which location when joining two cribs together?

Answer 21: Nine bolts, three per row, top bottom and middle.

Question 22: As discussed at the site meeting, it was indicated by the engineer that the contractor could utilize wood steps at the Upper Wharf in lieu of concrete steps. Is this correct?

Answer 22: Concrete stairs are required.

Question 23: Wood Steps. If wood steps at the Upper Wharf can be used, can the handrail be fabricated of wood similar to the Lower Wharf steps/staircase?

Answer 23: Concrete stairs are required and metal railing is required.

Question 24: Drawing S-09, it is not clear which timber tie backs correlate to the “L” numbers as indicated on the drawing? There are currently 9 rows of tie backs (indicated on the elevation drawing) yet only 5 tie back lengths given.

Answer 24: The length of tiebacks that have no code shall be average of tieback above it and below it.

Question 25: Drawing S-04, Rock Anchors. Are the 35M rock anchors to be plain or coated steel?

Answer 25: 35M reinforcing bar. Epoxy coated as a minimum. Galvanized or stainless steel is also acceptable.

Question 26: Section 35 59 29, Mooring Devices. Can the mooring posts be galvanized not painted?

Answer 26: Painted bollards are required.

Question 27: Please confirm that all topsoil and sod reinstatements will be measured and paid under the unit price items listed for both of these tender?

Answer 27: Top soil and sod will be measured and paid only for areas necessary for excavation for construction. All other top soil and sod to be part of Lump Sum.

Question 28: Can you please specify the hydro connection point on site? Who will be the costs charged to?

Answer 28: No hydro will be made available for Contractor.

Question 29: Can you please issue Well record details for the borehole decommissioning?

Answer 29: The monitoring well to be decommissioned is a borehole. The water level in the well matches the water level in the river at all time. No well records are available.

Question 30: We are missing specifications and requirements for Gabion Matresses.

Answer 30: Any references to gabion mattresses refer to gabion stone fill and 300mm thick clear stone levelling pad below cribs and paid under the Rock Fill Mattress Tender Item.

Question 31: Are there any limitations (length, width, location...) for the temporary access road? Can a temporary staging area be built near the wharf as well?

Answer 31: All the disturbance to the site shall be minimized and reinstated to perfect conditions.

Question 32: Please specify the areas and conditions for winter maintenance.

Answer 32: The maintenance of access and winter condition will be full responsibility of Contractor and includes access road from Prince of Wales Drive.

Question 33: Do the existing timbers contain creosote?

Answer 33: Assume that the existing timber cribs contain creosote treated wood members. Treat and dispose of accordingly.

Question 34: Is the existing upper wharf anchored to bedrock?

Answer 34: The existing upper wharf sits on concrete footings. Hoe ram removal of the concrete footings may be required if the concrete footings are anchored to bedrock.

Question 35: Further to the site visit, is the Ministry aware of any hazardous material that might be encountered with the existing wharf demolition?

Answer 35: Refer to Section 02 81 01. Assume that the timber in retaining wall at the staircase and crib has creosote treatment and the timber in staircase is treated with old type preservative that will contain arsenic, copper and chromium. Treat the wood accordingly during removal and dispose of it as per provincial environmental regulations.

Question 36: Does the survey monument have to be reinstated and verified by a licensed OLS?

Answer 36: The monument needs to be carefully removed, preserved and reinstalled in similar location. Parks Canada will survey and assign topographic elevation.

Question 37: Can the bolt, nut and washer specification be relaxed from galvanized Drift bolts and Ogee washers to galvanized threaded rod with oversize nuts and washers?

Answer 37: The bolts shall be as per specs.

Question 38: Please confirm the gradation requirements for the rock fill ballast within the wood cribs.

Answer 38: Rock Ballast within timber cribs shall all be G10- Gabion stone. G-10 Gabion Stone gradation is provided in OPSS 1004 – Table 8. 90% has to be larger than 10 kg and smaller than 15 kg, which is equivalent to stone size of 150 to 200mm cube.

Question 39: Also please confirm that the granular A, Granular B and the rock fill ballast within the wood cribs are or are not measured for payment under the unit price table.

Answer 39: The Granular A, B and rockfill in cribs is part of the Lumps Sum and will not be measured for payment.

Question 40: Will either of these tenders be extended considering no addendums issued to date plus having a number of question sent as of today?

Answer 40: Closing date has already been postponed.

Question 41: The drawings are not clear on whether the longitudinal and transverse members cross each other so that there is a space of the thickness of 1 timber as we construct the cribs. Is the intent to have a solid wall both longitudinally and transverse on each crib?

Answer 41: The drawings are clear and the requirement is to have solid walls in crib in longitudinal and transverse direction.

Question 42: As it would appear some trees are going to have to be removed and we've been asked to replace the trees with same type and in groups of 3. Please confirm the calliper "diameter" of the trees required.

Answer 42: The diameter of the trunk to be between 80 and 100 mm.

Question 43: Will Parks Canada be installing any stop logs or drawing down the water level in the lock area to reduce water flow?

Answer 43: The canal and river are already drawn for winter. The water levels can raise up unexpectedly subject to weather conditions.

Question 44: Can Parks Canada provide the average water depth in proximity to the upper and lower wharf locations as this will assist in designing a cofferdam system required to mitigate the construction activities?

Answer 44: There is no such information as the water level can raise in this area to the top of wharf.

Question 45: Can you please clarify that we have to use the Ogee Washer instead of a standard flat Washer?

Answer 45: Ogee washers are required.

By submission of its tender, the Tenderer confirms that it has read and understands the requirements expressed in all addenda and has included all costs of these requirements in its Total Tender Amount.

All other terms & conditions remain unchanged.