



## 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 aux: 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

<b>Title-Sujet</b> Replacement of Warf at Lower Nicholson's Lock Stations		
<b>Solicitation No. - No. de l'invitation</b> 5P300-17-5407/A		<b>Date:</b> October 25, 2017
<b>GETS Reference No. - No de reference de SEAG</b>		<b>Client Ref. No. - No. de réf du client.</b> 1371
<b>Solicitation Closes:</b>		
<b>at - á</b> 02:00 PM	<b>on - le</b> October 31, 2017	<b>Time Zone - Fuseau horaire</b> EDT - HAE
<b>F.O.B. - F.A.B.</b>		
<b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> X <b>Other-Autre:</b> <input type="checkbox"/>		
<b>Address Inquiries to: - Adresser toute demande de renseignements à :</b> Patrick Alguire - patrick.alguire@pc.gc.ca		
<b>Telephone No. - No de téléphone</b> (613) 938-5955		<b>Fax No. - No de FAX:</b> (877) 558-2349
<b>Destination of Goods, Services, and Construction:</b> <b>Destinations des biens, services et construction:</b>		
See Herein - Voir en ceci		

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

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

**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 1

Delete:

1	35 20 24	Dredging	Cubic Metre (m <sup>3</sup> )	650
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Replace with:

1	35 20 24	Dredging	Cubic Metre (m <sup>3</sup> )	<b>900</b>
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1.2 Unit Price Table, Line Item 2

Delete:

2	31 23 33.01	Earth Excavation for Structure	Cubic Metre (m <sup>3</sup> )	20
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Replace with:

2	31 23 33.01	Earth Excavation for Structure	Cubic Metre (m <sup>3</sup> )	<b>120</b>
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**2. Change in the DSP**

**In:** DSP 5P300-17-5407A 2017-10-05.zip,  
L\_Nicholson's\_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.

### 3. Questions and Answers

- Question 1:** Part 1.1.1 of spec section 01 11 00 states that the work “comprises the complete replacement of the upper and lower wharves at the Black Rapids Lock Station.” We assume this is a typo as the contract is for the Lower Nicholson's Lock Station?
- Answer 1:** This is a typo, **replace** "includes complete replacement of upper and lower docks at Black Rapids Lockstation" **with** "includes complete replacement of lower dock at Lower Nicholson's Lockstation".
- Question 2:** Part 6f) Project Components (page 14) of the Basic Impact Analysis, lists “Installation of Cofferdam” under Lower Nicholson's. Are cofferdams required on this contract? Cofferdams are not shown on the drawings or detailed in the specifications? The contract includes 650m<sup>3</sup> of dredging, indicating that the work is to be completed in water?
- Answer 2:** No cofferdam is required at Lower Nicholson Lock Station.
- Question 3:** Spec part 2.1.1.1.2 of spec section 31 37 00 states “Rip Rap scour protection at base of cribs (outside of cribs): Gabion Stone G-3 “. Unit price item 4 states “Scour Protection (G-10 Gabion Stone)”. Should item 4 be priced as G-3 or G-10?
- Answer 3:** Item 4 shall be G-10.
- Question 4:** Spec part 2.1.1.1.1 of spec section 31 37 00 states “Rock Fill Mattresses (Below Timber Cribs): Gabion Stone G-3“. Drawing S-03 indicates “G-10 Gabion Stone Fill” below the timber cribs? Please clarify.
- Answer 4:** Gabion stone fill below the timber crib shall be G-10.
- Question 5:** Spec part 1.2 of spec section 31 37 00 states how the Rock Fill Mattress and Scour Protection are measured. It does not indicate how the Timber Crib Ballast as specified in part 2.1.1.1.3 of spec section 31 37 00, is measured.
- Answer 5:** Timber Cribs' Ballast is to be included in the Lump Sum Amount.
- Question 6:** Part 1.2.1 of spec section 35 01 40.92 states to “obtain work permits from governing Federal, Provincial and/or Municipal Conservation authority”. Please advise what permits if any are required?
- Answer 6:** A permit to execute the work will issued by PCA after review and acceptance of the contractor's EMP.
- Question 7:** Can you please confirm that cofferdam installation is not necessary to complete this job? Can you as well explain under what conditions?
- Answer 7:** No cofferdam is required. Work to be completed in water.
- Question 8:** Can you please issue well record details for the borehole decommissioning?
- Answer 8:** 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 9:** We are missing specifications and requirements for Gabion Matresses.
- Answer 9:** 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 10:** Unit Price Table Item 1: Dredging. Does the volume of 650 m<sup>3</sup> include crib removal and shoring excavation below water line or is the crib removal under the lump sum?
- Answer 10:** Dredging does not include the volume of existing cribbing that will be removed as part of Lump Sum. The 650 m<sup>3</sup> is the volume estimated that will be required to carry out construction and install shoring/protection system.

**Question 11:** Unit Price Table Item 2: Earth Excavation for Structure. The specs say it is for excavation to waterline. The volume given is 20 m<sup>3</sup>. On the cross sections, the volume given appears to be short. Please verify.

**Answer 11:** Quantity revised to 120 m<sup>3</sup>.

**Question 12:** Unit Price Table Item 3: Rock fill Mattress. Is the volume of 600 Tonnes given just for the stone below the cribs or does it include the stone in the cribs?

**Answer 12:** Timber Crib Ballast including gabion stone and clear stone at top is to be included in the Lump Sum Price. The 600 tonnes is a combined quantity of gabion stone and clear stone under the crib.

**Question 13:** 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 13:** 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 14:** There is no item for the 50 mm clear stone levelling pad. As the other stone items are listed on the unit price table, should this not be included as an item on the unit price table?

**Answer 14:** The 300mm thick 50mm clear stone levelling pad is part of the gabion mattress and is measured for payment as part of the Rock Fill Mattress Tender Item of 600 tonnes under one unit price.

**Question 15:** 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 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 15:** The date indicated is regulated and must be considered as such for the purposes of bidding. However, exceptional and unforeseeable circumstances causing delays would be considered and could justify an exemption which cannot be requested or granted in advance. In any case it could not be extended beyond April 30<sup>th</sup>.

**Question 16:** Please advise what the approximate budget is for this project.

**Answer 16:** PCA does not disclose the project budget in the bidding process.

**Question 17:** Please confirm that the bollards are painted and not galvanized.

**Answer 17:** Bollards to be painted to match existing, galvanizing not specified.

**Question 18:** Please advise if the steel connections plate and smooth wall steel pipe at the catch basin outlet drain are galvanized or painted?

**Answer 18:** Hot-Dip-Galvanized components are specified.

**Question 19:** Part 2.1.7.3 of spec section 09 91 99 "Painting for Minor Works", has a paint (stain) spec for lumber. Is the cribwork lumber to be stained as per this spec?

**Answer 19:** This spec does not apply to the cribwork preservative treatment, the painting specifications covers only the blue lines painted on concrete and bollards.

**Question 20:** Can you please provide us with details for the timber cribs end connections to the lock wall?

**Answer 20:** No connection to the lock wall are specified or required.

- Question 21:** Can you please provide us with details for the corner sections of the timber cribs?  
**Answer 21:** The corner sections at downstream end shall be connected to the remainder of the crib in similar way as per "Timber Plan and Connection" detail on drawings S-03.
- Question 22:** Can you please specify the hydro connection point on site? Who will be the costs charged to? (Same question for Black Rapids Wharf Replacement)  
**Answer 22:** Provide your own power, there will be no power provided to the Contractor.
- Question 23:** 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 23:** The staging areas, temporary access road area and negative impact on the entire area should be minimized and utilities (septic, well, catch basins protected and trees trimming minimized).
- Question 24:** Please specify the areas and conditions for winter maintenance?  
**Answer 24:** The road from highway, snow and ice clearing and maintenance is sole responsibility of the Contractor; Normally, PCA will clear snow up to the gate.
- Question 25:** 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 25:** Specifications to be followed.
- Question 26:** 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 26:** See B&S web site for file newly posted.
- Question 27:** Section A of Drawing S-03 indicates "250mm clear stone" at the top of the crib below the concrete deck. Is this 19mm clear stone or 50mm clear stone? Is this stone measured and paid under the lump sum or the unit price table?  
**Answer 27:** This is 19mm clear stone and paid as part of the Lump Sum price.
- Question 28:** 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 28:** The quantity for top soil and sod are only for areas excavated for replacement of crib and work on catch basins and these are the only quantities which will be measured. Placement of top spoil and sod in all other areas as disturbed will not be measured for payment and such costs are part of the Lump Sum component of the project.
- Question 29:** Is there any creosote in the wood?  
**Answer 29:** Assume that the existing timber cribs contain creosote treated wood members. Handle and dispose of treated wood accordingly.
- Question 30:** The large tree at the north end of the wharf will pose a safety concern, can we remove it?  
**Answer 30:** Based on the information available, it is the right thing to do. Contractors are to include in their bid the removal and disposal of the tree and plant back on site at the end three nursery grown and supplied trees of the same species as the one removed with a diameter of trunk between 80mm and 100mm. Lower quality trees nearby as directed by the Departmental Representative can be removed and replaced with the new trees. Include all costs in Lump Sum price component.
- Question 31:** Are there any road restriction?  
**Answer 31:** The Contractor shall be aware that half load restrictions will be in place on local roads in spring and that the swing bridge at Burritts Rapids and the nearby Andrewsville bridge have very low load posting and allow only passenger cars.

**Question 32:** What is "Weholite" pipe?

**Answer 32:** A question was raised on specified "Weholite" pipe. Equivalent polyethylene corrugated flexible drainage pipe from different manufactures will be considered.

**Question 33:** Further to the site visit, is the Ministry aware of any hazardous material that might be encountered with the existing wharf demolition?

**Answer 33:** Refer to Section 02 81 01. Assume that the timber in the crib has creosote treatment. Treat the wood accordingly during removal and dispose of it as per provincial environmental regulations.

**Question 34:** Does the survey monument have to be reinstated and verified by a licensed OLS?

**Answer 34:** There is no monument at Lower Nicholson wharf.

**Question 35:** 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 35:** The bolts shall be as per specifications.

**Question 36:** 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 36:** Cribwork timber to be treated as per specification. All holes, bores and cuts shall be made prior to preservative treatment. The Shop Drawings submitted by contractor shall indicate the exact location of all holes, bores and cuts to assure the correct assembly of the cribs on-site.

**Question 37:** Drawing S-03, - 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 37:** Three rows of bolts at top, bottom and middle are required.

**Question 38:** As discussed at the site meeting, it was indicated by the engineer that the tree close to the existing wharf may be too close to the excavation and need to be replaced. Since type 4 soil is present, can the Owner specify size and type of tree for replacement?

**Answer 38:** The replacement trees shall have a diameter between 80 and 100mm.

**Question 39:** Section 35 59 29, Mooring Devices. Can the mooring posts be galvanized not painted?

**Answer 39:** The Mooring Devices or bollards are to be painted.

**Question 40:** Section 35 59 29, Mooring Devices. The pipe for the bollards they are asking for 4" O.D. x 1/2" wall we don't know if we can find it. Could we use 4" O.D. x .313" wall?

**Answer 40:** The proposed use of 0.313 inch wall thickness is acceptable.

**Question 41:** "Timber Crib Plan and Connection" detail sections. The hardware Spec. is for A307 that's a Hex bolt spec. can you use Threaded rod? If so Grade 5 or B7?

**Answer 41:** The bolts to be bolts as per Contract and not threaded rods, 60 ksi tensile strength, Grade A or B is acceptable.

**Question 42:** We respectfully request a time extension to the tender opening. Having Black Rapids and Lower Nicholson close same time and same day makes it hard for the contractors bidding both projects to sort subs and vendors when prices arrive too close to tender closing time.

**Answer 42:** Closing date was already postponed.

- Question 43:** Section 35 20 24 – Dredging. Will the contractor be allowed to dewater the site with cofferdams as opposed to dredging?
- Answer 43:** Alternative approach to construction will be considered as per General Conditions of Contract.
- Question 44:** Please confirm the gradation requirements for the rock fill ballast within the wood cribs.
- Answer 44:** 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 45:** 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 45:** The Granular A, B and rock fill in cribs is part of the Lumps Sum and will not be measured for payment.
- Question 46:** Will either of these tenders be extended considering no addendums issued to date plus having a number of question sent as of today?
- Answer 46:** The closing date for this tender was already postponed.
- Question 47:** Can you please clarify that we have to use the Ogee Washer instead of a standard flat Washer? (Same question for Black Rapids Wharf Replacement)
- Answer 47:** Ogee washers are required.
- Question 48:** Is rough finish acceptable for all timber? (Same question for Black Rapids Wharf Replacement)
- Answer 48:** Finish is a traditional finish on Douglas Fir for marine Construction.
- Question 49:** What is the minimum offset of the Sheet pile wall from the new Timber Crib construction? Drawing S-02 shows the Gabion stone fill slope ending almost at Elevation 83.137 which would drive the Sheet pile wall in the line of existing trees. (Question for Black Rapids Wharf Replacement only)
- Answer 49:** The offset of sheet pile wall or other form of protection is to be designed by Contractor as it suits its methodology.
- Question 50:** 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 50:** All cribs and all walls longitudinal and transverse are to be of solid construction
- Question 51:** 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 aliper "diameter" of the trees required.
- Answer 51:** The diameter of the trunk to be between 80 and 100 mm.
- Question 52:** Will Parks Canada be installing any stop logs or drawing down the water level in the lock area to reduce water flow?
- Answer 52:** All drawdowns are now complete.
- Question 53:** 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 53:** There is no such information available. At Lower Nicholson's the water fluctuate only slightly.

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.**