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**REVISION 002 TO AN
INVITATION TO TENDER**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions remain the same.

Issuing Office:

Parks Canada Agency
National Contracting Services
Gatineau, QC

Title: Rehabilitation of Spillway 2, Canal Lachine National Historic Site	
Solicitation No.: 5P201-20-0086/A	Date: December 18, 2020
Amendment No.: 002	
Client Reference No.: 1452	
GETS Reference No.: PW-20-00930900	

Solicitation Closes: At: 2:00PM On: <u>January 14, 2021</u>	Time Zone: EST/HNE
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F.O.B.: Plant: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other: <input type="checkbox"/>	
Address Enquiries to: Christine Piché	
Telephone No.: 873-355-8841	Fax No.: 1-877-558-2349
Email Address: Christine.piche2@canada.ca	
Destination of Goods, Services, and Construction: See Herein	

TO BE COMPLETED BY THE BIDDER

Vendor/ Firm Name:	
Address:	
Telephone No.:	Fax No.:
Name of person authorized to sign on behalf of the Vendor/ Firm (type or print):	
Signature:	Date:

Solicitation No.:
5P201-20-0086/A

Amendment No.:
002

Contracting Authority:
Christine Piché

Client Reference No.:
1452

Title:
Rehabilitation of Spillway 2, Canal Lachine National Historic Site

Amendment 002

The following is hereby amended:

- A. Extend the solicitation closing date;
- B. Answer questions from bidders.

A. SOLICITATION CLOSING DATE

The closing date for solicitation 5P201-20-0086/A, titled "Rehabilitation of Spillway 2, Canal Lachine National Historic Site", is extended from January 7, 2021 at 2:00 PM until **January 14, 2021 at 2:00PM.**

If you have already submitted your bid, you are invited to send us your revisions, where necessary, by email, to pc.soumissionsest-bidseast.pc@canada.ca. Please indicate the solicitation number on all correspondence.

B. QUESTIONS AND ANSWERS

Q1. : Equipment [2.2.3.1](#)

Do the piston strokes of the injection equipment need to be counted? Our cementitious grout injection pumps are not equipped with pistons but rather with screws like the Bunker 100 or Chem Grout Can we use them?

A1: Reference Section 036000 – art. 2.2.3.1 – Yes as long as the grout pumping system is equipped with appropriate automatic recording devices to calculate the pumping rate and the volume injected. Calibration of instruments is required.

Q2a: The top rail is a DN50 XS pipe, which to me is a 2" sch 80 pipe. This gives us an outer diameter of 2.375" therefore 60.32 mm without taking into consideration the galvanization and the paint. This leads me to believe that it will difficult to insert it without damaging the paint.

A 2a: Adjust the diameter of the hole (60mm) of the post according to the dimension of the pipe : 60.32mm + galvanization thickness + tolerance 1 mm

Q2b: The 2 lower rails are a DN40 XS pipe , which to me is a 1 ½" sch 80 pipe. This gives us an outer diameter of 1.900" therefore 48.26 mm without taking into consideration the galvanization and the paint finish.

A2b: Adjust the diameter of the hole (48mm) of the post according to the dimension of the pipe : 48.26mm + galvanization thickness + tolerance 1 mm

Q3: For the 2 existing guardrail sections that are to be repainted, and repaired if required, do we need to supply as requested for the new catwalk guardrails?

A3: The contractor must repaint, repair if required, protect during the work and reinstall existing guardrails, no provision of new guards is required.

Q4: With regards to the new catwalk, the structure is galvanized, do the cast iron post need to be galvanized and painted according to the specification? The horizontal rail from what I saw, galvanized and painted according to the specification? And finally, for the architectural grating there are various models for the 5mm x 50 x 150, there is the harmony, architectural omega, eco omega, the elite, the

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evolution, the secur which should be used and for this item, it is supposed to be galvanized and electrolytic powder paint?

A4: We understand from the contractor's question that it is the guardrail of the new catwalk (not the new support structure). The guardrail posts are made of non-galvanized cast iron, refer to the technical sheet appended to the specifications. The rails are in galvanized steel, painted black. The mesh will be of architectural Omega type or approved equivalent.

Q5: With regards to the existing geomembrane on which we must perform a weld with the new geomembrane, can you confirm the following points :

- o The type existing geomembrane
- o The thickness of the existing geomembrane
- o The age of the existing geomembrane

A5: The existing geomembrane is made of high density polyethylene (HDPE) and is at least 1.5 mm thick. It is possible that it is thicker. This geomembrane is approximately 30 years old.

Q6: In addendum 1, it is indicated that no surcharge is permitted within less than 3.5m of the edge of the top of the wall, however in order to perform the injection drilling, we must be within this limit with the drill. Is it possible to give a constraint that will allow the execution of this work with a drill?

A6: The Contractor must make sure to position himself so that the drill is as far from the edge as possible. The Contractor will be responsible for ensuring the stability and integrity of the existing wall during the work. The Contractor will present in his Execution methodology the measures to be taken (shoring, calculations, arrangement of equipment, etc.) in order to protect the existing structures.

Q7: On drawing C8, the dimensions of the rails for the catwalk guardrails are indicated. The top rail specifies a DN50 XS pipe, the exterior dimension of this pipe is 60.325 mm. According to the drawing of the posts, the opening is 60 mm. Knowing that there will be galvanization and painting, it is impossible the insert the rail into the post. There is a similar issue for the other rails.

Q7a: are the dimensions or the type of rail correct?

Q7b: should the holes in the posts be bored?

A7: Bore the holes (60mm) of the new posts according to the dimension of the pipe: 60.32mm + galvanization thickness + tolerance 1 mm

Q8: In note 3 on drawing C7, the specifications of the type of mesh required are incomplete. Is it possible to specify the make and model requested? (ex : make Omega model)

A8: The mesh will be Architectural Omega type or approved equivalent.

Q9: Our metal fabricator informs us that the mesh requested in the drawing is not available at any of his suppliers (Rigid mesh panel, plan C7). He proposed, as an alternative, a mesh having openings of 50 mm x 102 mm with a 6 mm wire. Is this alternative acceptable ?

A9: Yes

ALL OTHER TERMS & CONDITIONS REMAIN UNCHANGED