



**RETURN BIDS TO /  
RETOURNER LES SOUMISSIONS Á:**

**Parks Canada Agency, Bid Receiving Unit  
National Contracting Services**

**BID FAX : 1-855-983-1808**

**Bid Email / Courriel de soumission:**  
[soumissionsami-bidsrpc@pc.gc.ca](mailto:soumissionsami-bidsrpc@pc.gc.ca)

This is the only acceptable email address for responses to bid solicitation. Bids submitted by email directly to the Contracting Authority or to any other email address will not be accepted.

The maximum email file size is 15 megabytes. Parks Canada Agency (PCA) is not responsible for any transmission errors. Emails with links to bid documents will not be accepted.

**INVITATION TO TENDER**  
**APPEL D'OFFRES**

**Proposal 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.

**Issuing Office :**

Parks Canada Agency  
National Contracting Services  
Cornwall, Ontario, K6H 6S2

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<b>Title-Sujet</b> <b>Boundary Swing Bridge Replacement for Trent Severn Waterway National Historic Site</b>		
<b>Solicitation No. - No. de l'invitation</b> <b>5P468-22-0092/A</b>		<b>Date:</b> <b>August 25, 2022</b>
<b>GETS Reference No. – No de référence de SEAG</b> PW-22-01003050		<b>Client Ref. No. – No. de réf du client.</b> RPA 344
<b>Solicitation Closes – L'invitation prend fin :</b>		
<b>at – à</b> <b>2:00 PM</b>	<b>on – le</b> <b>Sept 08, 2022</b>	<b>Time Zone - Fuseau horaire</b> <b>HAE - EDT</b>
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine: <input type="checkbox"/>    Destination: <input checked="" type="checkbox"/>    Other-Autre: <input type="checkbox"/></b>		
<b>Address Inquiries to: - Adresser toute demande de renseignements à :</b> <b>Sheldon Lalonde <a href="mailto:sheldon.lalonde@pc.gc.ca">sheldon.lalonde@pc.gc.ca</a></b>		
<b>Telephone No. - No de téléphone</b> <b>343-585-3836</b>		<b>Fax No. – No de FAX:</b> <b>1-855-983-1808</b>
<b>Destination of Goods, Services, and Construction:</b> <b>Destinations des biens, services et construction :</b>		
See Herein – Voir aux présentes		

**TO BE COMPLETED BY THE BIDDER  
À ÊTRE COMPLÉTÉ PAR LE SOUMISSIONNAIRE**

<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>Nom de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur</b>	
<b>Titale - Titre</b>	
<b>Telephone No. - N° de téléphone:</b>	_____
<b>Facsimile No. - N° de télécopieur:</b>	_____
<b>Signature</b>	<b>Date</b>

## **AMENDMENT #3**

**THE PURPOSE OF THIS AMENDMENT IS TO GIVE EFFECT TO THE FOLLOWING CHANGE;**

### **1. QUESTIONS AND RESPONSES:**

#### **1) Question**

Drawing S6A notes state that "Removals have occurred on the north abutment". Please confirm whether demolition under the water line has been carried out?

**Answer:**

**The extent of demolition at the North Abutment will require confirmation as indicated on the drawings. It is possible that additional above or below waterline removals may be required. For the purposes of bidding, assume no additional below water removals are required at the North Abutment.**

#### **2) Question**

In order to design a suitable cofferdam solution, please provide a geotechnical report for the project?

**Answer:**

Geotechnical reports and concrete data for the roadway approaches, abutments and centre pier are attached.

Geotechnical information other than immediately adjacent to the centre pier and detailed bathymetry within the river bed are not available. The contractor shall conduct any necessary investigations to support their cofferdam design. Any in-water activities including diving or drilling must be scheduled and included in the Contractor's site specific health and safety and environmental management plan (EMP) submissions. Investigations taking place prior to Navigation Season closure must occur outside of PCA navigation season operational hours available at the following link <https://www.pc.gc.ca/en/lhn-nhs/on/trentsevern/visit/heures-hours>

As it relates to cofferdam design, to support the contractor's planning and implementation of the Boundary Road Bridge replacement construction work, Parks Canada advises of the following expected water levels and flows at the Boundary Road Bridge.

#### **Cofferdam Design Data**

- 1/20-year flow rate - 60cms
- 1/20 water level - 241.6m

#### **Normal Water Data**

- Summer Navigation High 214.25m
- Summer Navigation Low 241.15m
- Winter Navigation High 241.1m
- Winter Navigation Low 240.4m

The above data comes from the historical rule curve found below for the water levels gauged at Bolsover Dam 37. Note that upstream of the bridge water levels may be slightly higher but the variance should not be extreme.

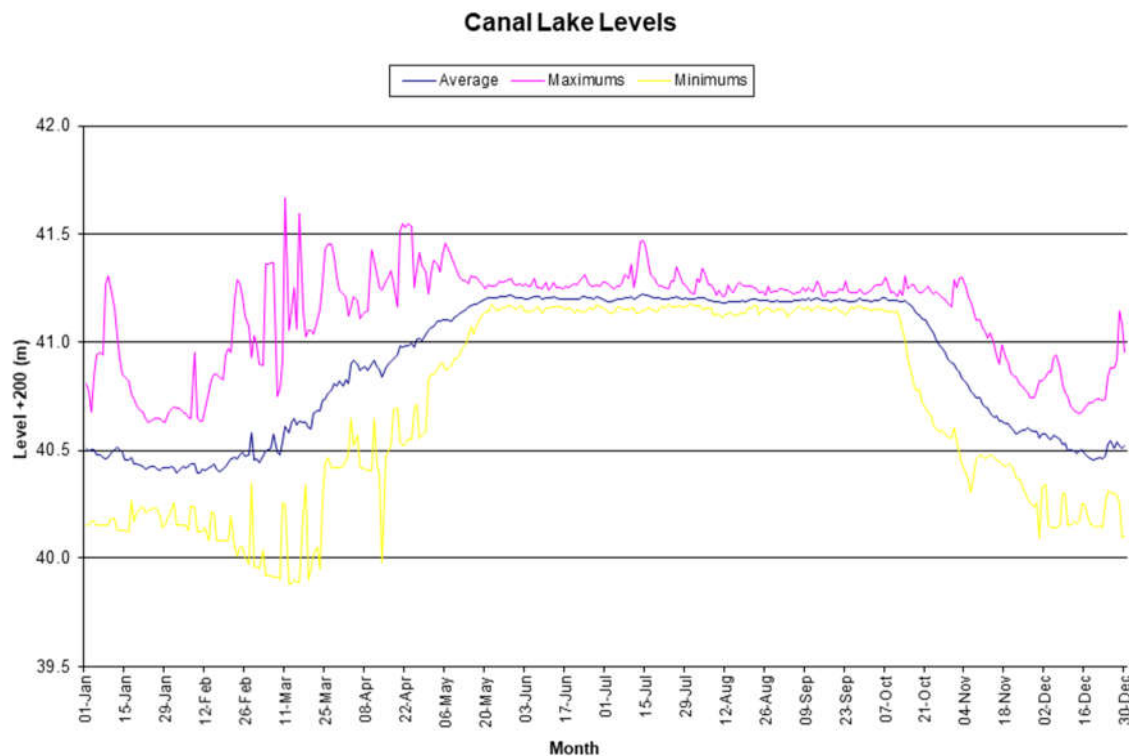
Parks Canada requests a minimum cofferdam crest elevation of 241.9m however the freeboard allowance shall be subject to the design engineer's discretion and submitted rationale. Boats that proceed rapidly through the bridge can generate a significant wake. Waves should be calculated by the Contractor's Engineer. The US Army Corps of Engineers dimensionally homogeneous equation is a common acceptable method. Climatic Data for wind speed in the area is available in sources such as the highway bridge design or building codes.

Note that the 1/20-year flow rate is most likely to occur during the annual spring Freshet period which occurs in March and April most years.

Given the downstream dam's hydraulic capacity, the 60cms flow should be assumed possible at navigation low water level to produce a conservative velocity and corresponding shear stress/drag force on the cofferdam.

PCA observed a high water level of 241.466 during a rain event in July 2021 emphasizing the importance of designing for the 1/20-year flood plus ample freeboard.

The Contractor is cautioned that ice thickness and level on the river varies and will generally be higher than water level. Ice conditions at the site are generally thin to completely absent and should not be relied upon to support work operations. This does not alleviate any requirements to maintain the water free of ice around cofferdams and turbidity curtains as the Contractor's accepted EMP may require.



**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED**