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**REVISION 001 TO A
INVITATION TO TENDER**

**RÉVISION 001 À UNE
INVITATION À SOUMISSIIONER
DEMANDE D'OFFRES À
COMMANDES**

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

Ce document est par la présente révisé; sauf
indication contraire, les modalités de l'offre
demeurent les mêmes.

Issuing Office - Bureau de distribution :

Parks Canada Agency
National Contracting Services
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Title - Sujet : Illecillewaet Stone Arch Culvert – Glacier National Park	
Solicitation No. - N° de l'invitation : 5P420-19-0109/A	Date : June 24, 2019
Amendment No. - N° de modification : 001	
Client Reference No. - N° de référence du client : N/A	
GETS Reference No. N° de reference de SEAG : PW-19-00877005	
Solicitation Closes - L'invitation prend fin : At - à : 2 :00 PM On - le : June 26, 2019	Time Zone - Fuseau horaire MDT - HAR
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 demande de renseignements à : Rebecca Chen	
Telephone No. - N° de telephone : (587) 439-3529	Fax No. -N° de télécopieur : (866) 246-6893
Email Address – Courriel : rebecca.chen2@canada.ca	
Destination of Goods, Services, and Construction - Destination des biens, services, et construction : Glacier National Park See Herein – Voir ici	
TO BE COMPLETED BY THE BIDDER - À REMPLIR PAR LE SOUMISSIONNAIRE	
Vendor/ Firm Name - Nom du fournisseur/ de l'entrepreneur :	
Address - Adresse :	
Telephone No. - N° de telephone :	Fax No. - N° de télécopieur :
Name of person authorized to sign on behalf of the Vendor/Firm Nom de la personne autorisée a signer au nom du fournisseur/ de l'entrepreneur	
Signature :	Date :

Amendment 001

This amendment is being raised to extend the solicitation closing date and to distribute information from the optional site visit.

A. Bid Closing Date

The closing date for tender 5P420-19-0109/A is extended from June 25, 2019 to **June 26 2019 at 2:00PM Mountain Daylight Time (MDT)**.

B. Site Visit Information

1. Site Visit Attendees

Vendor	Representative's Name
Masse Environmental	Rachel Pennell
Dillon Consulting	Kevin Willis
Dillon Consulting	Lucas Warner
Speers Construction	Mark Becsham
Little Big Works	Rob Parkin

Contact information for the attendees are available upon request and approval from the vendors.

C. Tender Package Revisions

ADD: DSP2_19-0109.zip

Water-Level Summary 2016

D. Questions and Answers

Q1 What is the background of this structure?

A1 The Illecillewaet Stone Arch Culvert Bridge is a historic structure that spans the Illecillewaet River. It was part of the CPR rail grade through Rogers Pass. A timber bridge was constructed to span the Illecillewaet River around 1885, the timber structure was replaced by the culvert bridge around 1900. The culvert bridge was utilized until about 1916 when this portion of railway was bypassed by construction of the Connaught Tunnel. The stone arch culvert spans approximately 7.5 m across the Illecillewaet River and is approximately 8 m high (up to the trail surface). The culvert bridge is a parabolic stone arch supported by a vertical stone wall 2.5 m tall. The original structure also included skewed wing walls extending 9 m past the culvert ends. One of the wing walls has been replaced by a vertical gabion wall extending 18 m beyond the culvert entrance. The gabion wall was constructed in five levels, and is not structurally connected to the remaining stone structure. The pathway on the bridge is approximately 10.2 m wide and currently is used as a pedestrian and vehicle maintenance traffic crossing (source: Tetra Tech report 2017).

Q2 What are options for access to the site and in stream work?

A2 Main access to the site is through an active campground. There are a few options for access to the river channel:

- On the upstream side there is reasonable access on the south west bank with potential areas for laydown of material and equipment.

- On the downstream side, access would require significant vegetation removal including snags for both southwest and northeast sides. On the northeast side, there is also a stream & riparian zone that would be impacted.
- Please note that any vegetation removal or alterations to the site will require restoration.

Q3 How many hikers come through this potential construction zone daily?

A3 Hundreds of hikers pass over the bridge daily. Data for actual number of visitors are not available at this time. The construction site is at the back end of an active campground. The Illecillewaet Stone Arch Culvert provides public access to the Glacier House ruins and several trailheads. During construction, a public detour through “Meeting of the Waters” trail and bridge will be provided, however, this is more rugged access and **temporary closure** of the bridge is preferred, during active construction, to avoid prolonged disruption of visitor access to trailheads and glacier house ruins.

Q4 What is the timeframe for this project?

A4 Following Department of Fisheries and Oceans recommendations, to avoid impacts to potential fish-spawning habitat all in-stream work would need to take place before August 31. Water levels (see below: Site Photos August 2, 2016) will likely still be high in August. We are still awaiting final recommendations/decisions from Department of Fisheries and Oceans regarding this project. Ideal low-level water timeframe would be September to end of October (however this is in the fish-spawning window). While water levels are low in the spring, access at this time is not an option as access to the site is limited by snow and avalanche hazard.

Q5 What is the average water volume/velocity/flow through this channel?

A5 See DSP2_19-0109: *Water-Level Summary 2016*

From Tetra Tech field observations November 2016 (full report unavailable at this time):

- The flow in the Illecillewaet River at the Stone Arch during the field investigation was estimated to be between 3.5 and 4.0 m³/s
- Water velocity was measured as 2.8m/s during a field visit and the average water velocity was reported as 2.5-3.5 m/s (Tetra Tech, 2017)

E. Site Photos August 2, 2016



Figure 1&2: Left inlet August 2, 2016



Figure 2: Right inlet August 2, 2016



Figure 3: Upstream August 2, 2016

ALL OTHER TERMS & CONDITIONS REMAIN UNCHANGED