



**RETURN BIDS TO:
RETOURNER LES SUBMISSION À :**

Parks Canada Agency Bid Receiving Unit
National Contracting Services
220 - 4 Avenue S.E., suite 720
Calgary, AB T2G 4X3

The maximum email file size that Parks Canada is capable of receiving is 6 megabytes. The Bidder is responsible for any failure attributable to the transmission or receipt of the emailed bid due to file size.

**REVISION 004 TO AN
INVITATION TO TENDER**

**RÉVISION 004 À UNE
INVITATION À SOUMISSIONNER
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
220 - 4 Avenue S.E., suite 720
Calgary, AB T2G 4X3

Title - Sujet : Hwy 93S Sinclair Creek Culvert Liner – Kootenay National Park	
Solicitation No. - N° de l'invitation : 5P420-19-0023/A	Date : April 26, 2019
Amendment No. - N° de modification : 004	
Client Reference No. - N° de référence du client : 1079-03	
GETS Reference No. N° de reference de SEAG : PW-19-00869961	

Solicitation Closes - L'invitation prend fin : At - à : 2 :00 PM On - le : May 1, 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 : Kootenay 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 004

This amendment is being raised to distribute questions and answers.

A. QUESTIONS AND ANSWERS

- Q6** The grout has been spec'd to have a 28 day compressive strength of 34MPa, this presents the following contradiction; The GRP appears to be designed as a type 2 liner which means the design assumes it will not be externally supported by the existing sewer or grout. Therefore the governing property of the grout is that it should be flowable, to effectively fill the annular space, as it has no structural purpose it is rather an annular space filler. 34 MPa grout is not flowable which will require numerous grout ports to be drilled throughout the GRP, which risks undermining the structural integrity of the GRP. Please confirm.
- A6** It has been specified in the drawings that the GRP liner to be designed using Type I Design Method not Type II which would require composite action between host culvert, proposed liner and grout. A higher grout strength (34 MPa) has been specified for this project for other considerations including future installation of fish baffles which would require anchoring baffles to the grout through drilled holes in the GRP liner. There are numerous methods available for grouting the annular spaces without compromising the structural integrity of the GRP liner.

ALL OTHER TERMS & CONDITIONS REMAIN UNCHANGED