



<p><b>RETURN BIDS TO/RETOURNER LES SOUMISSIONS À:</b></p> <p><b>Bid Receiving - Environment Canada / Réception des soumissions – Environnement Canada</b></p> <p><b>Electronic Copy:</b> ec.soumissions-bids.ec@canada.ca</p> <p><b>BID SOLICITATION- INVITATION TO TENDER DEMANDE DE SOUMISSIONS – APPEL D’OFFRES</b></p> <p><b>PROPOSAL TO: ENVIRONMENT CANADA</b></p> <p>We offer to perform or provide to Canada the services detailed in the document including any attachments and annexes, in accordance with the terms and conditions set out or referred to in the document, at the price(s) provided.</p> <p><b>SOUSSION À:</b></p> <p><b>ENVIRONNEMENT CANADA</b></p> <p>Nous offrons d’effectuer ou de fournir au Canada, aux conditions énoncées ou incluses par référence dans le document incluant toutes pièces jointes et annexes, les services détaillés dans le document, au(x) prix indiqué(s).</p>	<p><b>Title – Titre</b></p> <p><b>CABLEWAY REPAIRS WATER SURVEY OF CANADA STATION GRAHAM RIVER ABOVE COLT CREEK, B.C. 07FA005</b></p>	
	<p><b>EC Bid Solicitation No. /SAP No. – N° de la demande de soumissions EC / N° SAP 5000052523</b></p>	
	<p><b>Date of Bid solicitation Y-M-D (2020-05-25) – Date de la demande de soumissions (2020-05-25) – May 25, 2020</b></p>	
	<p><b>Bid Solicitation Closes Y-M-D -(2020-06-15) - La demande de soumissions prend fin 2020-06-15)- June 15, 2020</b></p> <p>at – à 2:00 P.M.</p>	<p><b>Time Zone – Fuseau horaire</b></p> <p>1400h (2 p.m.) (Eastern Time)</p>
	<p><b>Address Enquiries to - Adresser toutes questions à</b></p> <p>Crystal.hendrickson@canada.ca</p>	
	<p><b>Telephone No. – N° de téléphone</b></p> <p>789-951-8653</p>	<p><b>Fax No. – N° de Fax</b></p> <p>N/A</p>
	<p><b>Delivery Required (YEAR-MM-DD) – Livraison exigée</b></p> <p>as per RFP</p>	
	<p><b>Destination - of Services / Destination des services-British Columbia</b></p>	
	<p><b>Security / Sécurité</b></p> <p>No security required</p>	
	<p><b>Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l’entrepreneur</b></p>	
<p><b>Telephone No. – N° de téléphone</b></p>	<p><b>Fax No. – N° de Fax</b></p>	
<p><b>Name and title of person authorized to sign on behalf of Vendor/Firm: (type or print) /</b></p>		
<p><b>Signature</b></p>	<p><b>Date</b></p>	



**INVITATION TO TENDER**  
**Graham River, B.C. – Cableway Decommissioning**

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**R2710T GENERAL INSTRUCTIONS - CONSTRUCTION SERVICES**

**(GI) (2019-05-30)**

The following GI's are included by reference and are available at the following Web Site  
<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

- GI01 Integrity Provisions - Bid
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## SPECIAL INSTRUCTIONS TO BIDDERS (SI)

### SI01    BID DOCUMENTS

1.        The following are the Bid Documents:
  - a.        Invitation to Tender - Page 1;
  - b.        Special Instructions to Bidders;
  - c.        General Instructions - Construction Services - Bid Security Requirements R2710T (2019-05-30)
  - d.        Clauses & Conditions identified in “Contract Documents”;
  - e.        Drawings and Specifications;
  - f.        Bid and Acceptance Form and related Appendix(s); and
  - g.        Any amendment issued prior to solicitation closing.

**Submission of a bid constitutes acknowledgement that the Bidder has read and agrees to be bound by these documents.**

2.        General Instructions - Construction Services - Bid Security Requirements R2710T is incorporated by reference and is set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Services and Procurement Canada. The SACC Manual is available on the PWGSC Web site: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

The General Instructions R2710T are modified as follows:

At GI02 (2014-03-10) Completion of Bid  
**DELETE:** In its entirety.

At GI10 (2010-01-11) Revision of bid  
**Delete:** In its entirety.  
**Insert:**

1.        A bid submitted in accordance with these instructions may be revised provided the revision is received at the office designated for the receipt of bids, on or before the date and time set for the closing of the solicitation. The revision shall be on the Bidder's letterhead or bear a signature that identifies the Bidder.
2.        A revision to a bid that includes unit prices must clearly identify the change(s) in the unit price(s) and the specific item(s) to which each change applies.

At GI13 (2019-05-30) Procurement Business Number  
**Delete:** In its entirety.

At GI16 (2010-01-11) Performance evaluation  
**DELETE:** 2.

### SI02    ENQUIRIES DURING THE SOLICITATION PERIOD

1.        Enquiries regarding this bid must be submitted in writing to the Contracting Authority named on the Invitation to Tender - Page 1 [at e-mail address crystal.hendrickson@canada.ca](mailto:crystal.hendrickson@canada.ca) please reference 5000052523 Except for the approval of



alternative materials as described in G115 of R2710T, enquiries should be received no later than 7 business days prior to the date set for solicitation closing to allow sufficient time to provide a response. Enquiries received after that time may result in an answer NOT being provided.

2. To ensure consistency and quality of the information provided to Bidders, ECCC will examine the content of the enquiry and will decide whether or not to issue an amendment.
3. All enquiries and other communications related to this bid sent throughout the solicitation period must be directed ONLY to the Contracting Authority named in paragraph 1. above. Failure to comply with this requirement may result in the bid being declared non-compliant.

#### **SI03 MANDATORY/OPTIONAL SITE VISIT**

1. There is no site visit for this requirement.

#### **SI04 REVISION OF BID**

A bid may be revised in accordance with G110 of R2710T.

#### **SI05 INSUFFICIENT FUNDING**

In the event that the lowest compliant bid exceeds the amount of funding allocated for the Work, Canada in its sole discretion may

- a. cancel the solicitation; or
- b. obtain additional funding and award the Contract to the Bidder submitting the lowest compliant bid.

#### **SI06 BID VALIDITY PERIOD**

1. Canada reserves the right to seek an extension to the bid validity period prescribed in BA04 of the Bid and Acceptance Form. Upon notification in writing from Canada, Bidders will have the option to either accept or reject the proposed extension.
2. If the extension referred to in paragraph 1. above is accepted, in writing, by all those who submitted bids, then Canada will continue immediately with the evaluation of the bids and its approvals processes.
3. If the extension referred to in paragraph 1. above is not accepted in writing by all those who submitted bids then Canada will, at its sole discretion, either
  - a. continue to evaluate the bids of those who have accepted the proposed extension and seek the necessary approvals; or
  - b. cancel the invitation to tender.
4. The provisions expressed herein do not in any manner limit Canada's rights in law or under G111 of R2710T.



## SI07 Bid Preparation Instructions

Bids must be prepared and submitted in accordance with GI09 (2014-03-01) Submission of Bid.

In addition, Canada requests that bidders follow the format instructions described below in the preparation of their hard copy bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- (1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- (2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders, must not contain any materials composed of plastic; and
- (3) print on both sides of the paper.

### Note for electronic submission of bids:

In order to be considered, bids must be received no later than 1400h (2 p.m.) (Eastern Time) on the date and time indicated on the cover page to herein as the “Closing Date.” Bids received after the Closing Date will be considered non-responsive and will not be considered for contract award. Bids submitted by email must be submitted ONLY to the following email address:

Email Address: [ec.soumissions-bids.ec@canada.ca](mailto:ec.soumissions-bids.ec@canada.ca)

Attention: Crystal Hendrickson

Solicitation Number: 5000052523

Bidders should ensure that their name, address, Closing Date of the solicitation and Solicitation Number are clearly indicated in the body of their email. Bids and supporting information may be submitted in either English or French.

The total size of the email, including all attachments, must be less than 15 megabytes (MB). It is each Bidder’s responsibility to ensure that the total size of the email does not exceed this limit.

Bids sent by fax will not be accepted.

It is important to note that emails systems can experience systematic delays and, at times, large attachments may cause systems to hold or delay transmission of emails. It is solely the Bidder’s responsibility to ensure that the Contracting Authority receives a bid on time, in the mailbox that has been identified for bid receipt purposes. Date stamps for this form of transmission are not acceptable.

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of

the hard copy will have priority over the wording of the soft copy.

## SI10 LISTING OF SUBCONTRACTORS AND SUPPLIERS

R2710T, GI07 has been amended to the following:

### **GI07 (2015-02-25) Listing of Subcontractors and Suppliers**

The Bidder must submit the names of Subcontractors and Suppliers for the part or parts of the Work listed (estimated at 25% or more of project value). See APPENDIX 3. **Failure to do so will result in the disqualification of its bid.**

## S11 Green Procurement

To support the mandate and commitments of ECCC and the Government of Canada as a whole, Bidders that do business with ECCC are expected to have a Corporate Environmental Policy that addresses water conservation, greenhouse gas (GHG) reduction, waste reduction, air quality, and supports biodiversity and protection of wildlife.

## SI12 WEB SITES

The connection to some of the Web sites in the solicitation documents is established by the use of hyperlinks. The following is a list of the addresses of the Web sites:

Treasury Board Appendix L, Acceptable Bonding Companies

<http://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=14494&section=text#appl>

Buy and Sell

<https://www.achatsetventes-buyandsell.gc.ca>

Canadian economic sanctions

[https://www.international.gc.ca/world-monde/international\\_relations-relations\\_internationales/sanctions/index.aspx?lang=eng](https://www.international.gc.ca/world-monde/international_relations-relations_internationales/sanctions/index.aspx?lang=eng)

Bid Bond (form PWGSC-TPSGC 504)

<http://www.tpsqc-pwgsc.gc.ca/app-acq/forms/documents/504.pdf>

Performance Bond (form PWGSC-TPSGC 505)

[http://www.tpsqc-pwgsc.gc.ca/app-acq/forms/documents/505\\_eng.pdf](http://www.tpsqc-pwgsc.gc.ca/app-acq/forms/documents/505_eng.pdf)

Labour and Material Payment Bond (form PWGWSC-TPSGC 506)

<http://www.tpsqc-pwgsc.gc.ca/app-acq/forms/documents/506.pdf>

Standard Acquisition Clauses and Conditions (SACC) Manual

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

PWGSC, Industrial Security Services

<http://ssi-iss.tpsqc-pwgsc.gc.ca/index-eng.html>



PWGSC, Code of Conduct and Certifications

<http://www.tpsgc-pwgsc.gc.ca/app-acq/cndt-cndct/contexte-context-eng.html>

Construction and Consultant Services Contract Administration Forms Real Property Contracting

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>

Declaration Form

<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>

Trade agreements

<https://buyandsell.gc.ca/policy-and-guidelines/Policy-and-Legal-Framework/Trade-Agreements>





## CONTRACT DOCUMENTS (CD)

1. The following are the Contract Documents:
  - a. Contract Page when signed by Canada;
  - b. Duly completed Bid and Acceptance Form and any Appendices attached thereto;
  - c. Drawings and Specifications;
  - d. General Conditions and clauses

GC1	General Provisions – Construction Services	R2810D (2017-11-28);
GC2	Administration of the Contract	R2820D (2016-01-28);
GC3	Execution and Control of the Work	R2830D (2018-06-21);
GC4	Protective Measures	R2840D (2008-05-12);
GC5	Terms of Payment	R2850D OR R2550D;
GC6	Delays and Changes in the Work	R2860D (2019-05-30);
GC7	Default, Suspension or Termination of Contract	R2870D (2018-06-21);
GC8	Dispute Resolution	R2880D OR R2884D;
GC9	Contract Security	R2890D (2018-06-21);
GC10	Insurance	R2900D (2008-05-12);
GC11	Allowable Costs for Contract Changes Under GC6.4.1	R2950D (2015-02-25);

  - e. Supplementary Conditions
  - f. Any amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
  - g. Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and
  - h. Any amendment or variation of the contract documents that is made in accordance with the General Conditions.
2. The documents identified by title, number and date above are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>
3. The language of the contract documents is the language of the Bid and Acceptance Form submitted.



## **SUPPLEMENTARY CONDITIONS (SC)**

### **SC01 INDUSTRIAL SECURITY RELATED REQUIREMENTS, DOCUMENT SAFEGUARDING**

There is no document security requirement applicable to this Contract.

### **SC02 LIMITATION OF LIABILITY**

GC1.6 of R2810D is deleted and replaced with the following:

GC1.6 Indemnification by the Contractor

1. The Contractor shall indemnify and save Canada harmless from and against all claims, demands, losses, costs, damages, actions, suits, or proceedings whether in respect to losses suffered by Canada or in respect of claims by any third party, brought or prosecuted and in any manner based upon, arising out of, related to, occasioned by, or attributable to the activities of the Contractor in performing the Work, provided such claims are caused by the negligent or deliberate acts or omissions of the Contractor, or those for whom it is responsible at law.

The Contractor's obligation to indemnify Canada for losses related to first party liability shall be limited to:

- a. In respect to each loss for which insurance is to be provided pursuant to the insurance requirements of the Contract, the Commercial General Liability insurance limit for one occurrence as referred to in the insurance requirements of the Contract
- b. In respect to losses for which insurance is not required to be provided in accordance with the insurance requirements of the Contract, the greater of the Contract Amount or \$5,000,000, but in no event shall the sum be greater than \$20,000,000.

The limitation of this obligation shall be exclusive of interest and all legal costs and shall not apply to any infringement of intellectual property rights or any breach of warranty obligations.

3. The Contractor's obligation to indemnify Canada for losses related to third party liability shall have no limitation and shall include the complete costs of defending any legal action by a third party. If requested by Canada, the Contractor shall defend Canada against any third party claims.
4. The Contractor shall pay all royalties and patent fees required for the performance of the Contract and, at the Contractor's expense, shall defend all claims, actions or proceedings against Canada charging or claiming that the Work or any part thereof provided or furnished by the Contractor to Canada infringes any patent, industrial design, copyright trademark, trade secret or other proprietary right enforceable in Canada.
4. Notice in writing of a claim shall be given within a reasonable time after the facts, upon which such claim is based, became known.
- 5.



## **SC03 INSURANCE TERMS**

### **Minimum Insurance Requirements:**

Contracts with an estimated value of less than \$100,000:

Commercial General Liability

**Contracts valued at \$100,000 or more:**

**Corporate liability insurance.**

**Site insurance and installation risks (generally not required for contracts that do not involve work or property to be insured, such as paving, asbestos removal, dredging).**

#### **1) Insurance Contracts**

- (a) The Contractor must, at the Contractor's expense, obtain and maintain insurance contracts in accordance with the requirements of the Certificate of Insurance. Coverage must be placed with an Insurer licensed to carry out business in Canada.
- (b) Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract. The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

#### **2) Period of Insurance**

- (a) The policies required in the Certificate of Insurance must be in force from the date of contract award and be maintained throughout the duration of the Contract.
- (b) The Contractor must be responsible to provide and maintain coverage for Products/Completed Operations hazards on its Commercial General Liability insurance policy, for a period of six (6) years beyond the date of the Certificate of Substantial Performance.

#### **3) Proof of Insurance**

- (a) Before commencement of the Work, and no later than thirty (30) days after contract award, the Contractor must deposit with Canada a Certificate of Insurance.
- (b) Upon request by Canada, the Contractor must provide originals or certified true copies of all contracts of insurance maintained by the Contractor pursuant to the Certificate of Insurance.

#### **4) Insurance Proceeds**

In the event of a claim, the Contractor must, without delay, do such things and execute such documents as are necessary to effect payment of the proceeds.



5) **Deductible**

The payment of monies up to the deductible amount made in satisfaction of a claim must be borne by the Contractor.



**BID AND ACCEPTANCE FORM (BA)**

**BA01 IDENTIFICATION**

**BA02 LEGAL NAME AND ADDRESS OF BIDDER**

Legal Name: \_\_\_\_\_

Operating Name (if any): \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

**BA03 THE OFFER**

The Bidder offers to Canada to perform and complete the Work for the above named project in accordance with the Bid Documents for the

**TOTAL BID AMOUNT INDICATED IN APPENDIX 1.**

**BA04 BID VALIDITY PERIOD**

The bid must not be withdrawn for a period of **120 days** following the date of solicitation closing.

**BA05 ACCEPTANCE AND CONTRACT**

Upon acceptance of the Bidder’s offer by Canada, a binding Contract will be formed between Canada and the Bidder. The documents forming the Contract will be the Contract Documents identified in “Contract Documents (CD)” section.

**BA06 CONSTRUCTION TIME**

The Contractor must perform and complete the Work within **6** weeks from the date of notification of acceptance of the offer.

**BA07 SIGNATURE**

Name and title of person authorized to sign on behalf of Bidder (Type or print)

**Name & Title** *(printed):*

**Signature:**

**Date:**



**APPENDIX 1 - COMBINED PRICE FORM**

- 1) The prices per unit will govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

Item	Equipment Price	Material Price	Disposal Price	Labour Price	Total Price
Mobilize and demobilization	\$	\$	\$	\$	\$
Installation of four steel plate anchors, two each side	\$	\$	\$	\$	\$
Relocation of home side A-frame and its steel footing	\$	\$	\$	\$	\$
Replacement of main cable	\$	\$	\$	\$	\$
Installation of ladder, marker support bracket, safety loop, and decking	\$	\$	\$	\$	\$
Restoration of the area back to its original condition	\$	\$	\$	\$	\$
				Total Tender Amount Tax not included	\$



## APPENDIX 2 - INTEGRITY PROVISIONS

Environnement et Changement climatique Canada a adopté le régime d'intégrité développé et mis en place par Services publics et Approvisionnement Canada. Les fournisseurs acceptent, en soumettant une proposition, de se conformer aux dispositions du régime d'intégrité et la [Politique d'inadmissibilité et de suspension](#) ainsi que le [Code de conduite pour l'approvisionnement](#). / Environment and Climate Change Canada has endorsed the Integrity Regime developed and implemented by Public Services and Procurement Canada. By submitting a quote, Contractors agree to comply with the provisions of the Integrity Regime and [Ineligibility and Suspension Policy](#) as well as the [Code of Conduct for Procurement](#).

Selon la [Politique d'inadmissibilité et de suspension](#) de TPSGC (maintenant SPAC), les renseignements suivants doivent être fournis lors d'une soumission ou de la passation d'un marché.<sup>1</sup> / In accordance with the PWGSC (now PSPC) [Ineligibility and Suspension Policy](#), the following information is to be provided when bidding or contracting.<sup>1</sup>

\* Informations obligatoires / Mandatory Information

<b>*Dénomination complète de l'entreprise / Complete Legal Name of Company</b>		
<b>* Nom commercial / Operating Name</b>		
<b>* Adresse de l'entreprise / Company's address</b>	<b>* Type d'entreprise / Type of Ownership</b>	
	<input type="checkbox"/> Individuel / Individual <input type="checkbox"/> Corporation / Corporation <input type="checkbox"/> Coentreprise / Joint Venture	
<b>* Membres du conseil d'administration<sup>2</sup> / Board of Directors<sup>2</sup> (Ou mettre la liste en pièce-jointe / Or provide the list as an attachment)</b>		
<b>Prénom / First name</b>	<b>Nom / Last Name</b>	<b>Position (si applicable) / Position (if applicable)</b>

<sup>1</sup> **Liste des noms** : Tous les fournisseurs, peu importe leur situation au titre de la Politique, doivent présenter les renseignements ci-dessous au moment de prendre part à un processus d'approvisionnement:

- les fournisseurs constitués en personne morale, y compris ceux qui présentent une soumission à titre de coentreprise, doivent fournir la liste complète des noms de tous les administrateurs actuels ou, dans le cas d'une entreprise privée, des propriétaires de la société;
- les fournisseurs soumissionnant à titre d'entreprise à propriétaire unique, y compris ceux soumissionnant en tant que coentreprise, doivent fournir la liste complète des noms de tous les propriétaires;
- les fournisseurs soumissionnant à titre de société en nom collectif n'ont pas à soumettre une liste de noms.

**List of names:** All suppliers, regardless of their status under the Policy, must submit the following information when participating in a procurement process:

- suppliers that are corporate entities, including those bidding as joint ventures, must provide a complete list of the names of all current directors or, for a privately owned corporation, the names of the owners of the corporation;
- suppliers bidding as sole proprietors, including sole proprietors bidding as joint ventures, must provide a complete list of the names of all owners; or
- suppliers that are a partnership do not need to provide a list of names.

<sup>2</sup> Conseil des gouverneurs / Board of Governors; Conseil de direction / Board of Managers; Conseil de régents / Board of Regents; Conseil de fiducie / Board of Trustees; Comité de réception / Board of Visitors



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### APPENDIX 3 - LISTING OF SUBCONTRACTORS AND SUPPLIERS

The Bidder must submit the list of Subcontractors and Suppliers for any division of the Work as listed in the table below. If “own forces” of the General Contractor are planned to be used to execute certain division(s) of work it must also be indicated in the table below.

	Subcontractor and Suppliers	Division
1		<i>To be filled out by the PM</i>
2		<i>To be filled out by the PM</i>
3		<i>To be filled out by the PM</i>
4		<i>To be filled out by the PM</i>





## ANNEX A – STATEMENT OF WORK

### Title: CABLEWAY REPAIRS WATER SURVEY OF CANADA STATION GRAHAM RIVER ABOVE COLT CREEK 07FA005

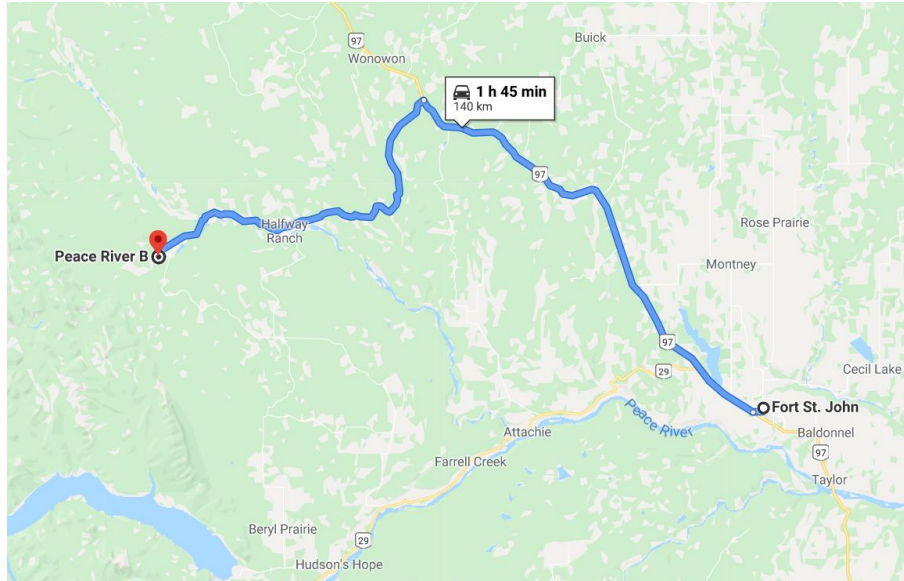
#### BACKGROUND

Environment and Climate Change Canada (“ECCC”) maintains a cableway system across **Graham River**, British Columbia, for the purpose of collecting hydrometric data. Safety deficiencies have been identified at the station and repair work is deemed necessary.

#### 1.0 Site Location and Access

##### Station: Graham River above Colt Creek

The subject cableway systems spans the Graham River approximately 95km North-West of Fort St. John, BC (Figure 1). The coordinates of the station are 56°27’35.5”N and 122°21’16.3”W. The left bank (home side) is accessible by vehicle via trail branching from Upper Halfway Road. The right bank (away side) is accessible by vehicle via private property. ECCC has notified the property owner of upcoming construction work. The Contractor must notify ECCC prior to accessing the land (Figure 2).



**Figure 1: Graham River relative to Fort St. John**

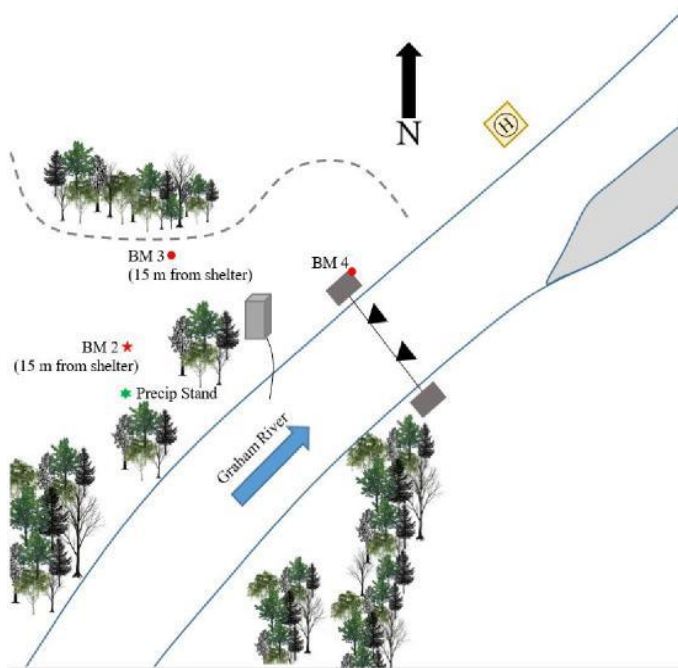


Figure 2: Graham River Site Map

## 2.0 Scope of Requested Services

### Station: Graham River above Colt Creek

The existing cableway (Figure 3) spans approximately 62m across Graham River. Both banks consist of steel pipe A-frames supporting a 1" IWRC 6x26 IPS main cable and a 3/8" IWRC 6x19 marker cable. The marker cable supports three aircraft markers. The A-frames are 14ft and 16ft in height on the left (home) and right (away) side, respectively. The A-frames are supported on hinges allowing free rotation towards and away from the river. They are supported by pipe foundations extending downwards into the ground 5ft, see drawing 3136-7. The anchorage on each bank consists of a single plate anchors holding the main cable, the messenger cable, and a single tieback 1/2" cable stabilizing the A-frame. The plate anchors are steel plate anchors with a 14ft long rod and a 3ft x 5ft plate in the ground, see drawing 2812. Refer to As-Built cableway drawings 2978-1.

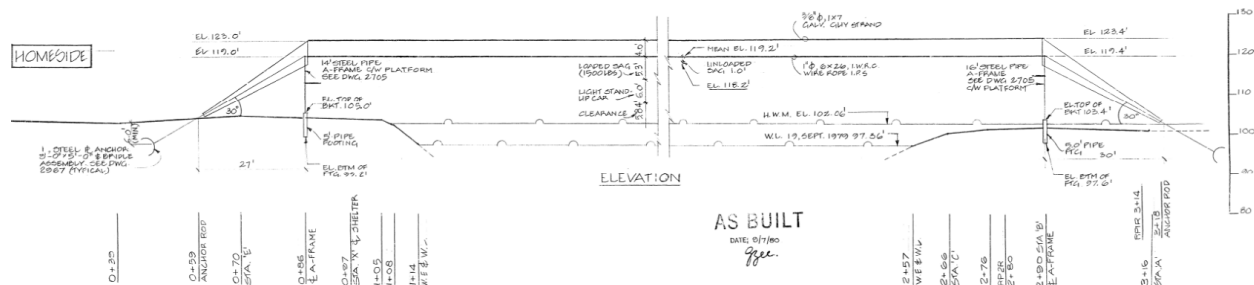


Figure 3: Graham River As-Built

### 3.0 Scope of Requested Services

The scope of the requested services for the Graham River cableway includes the following items:

- Provide two (2) additional steel plate anchors on both banks with double anchor system, as per drawings 2812 - Steel Plate Anchor and 2863 - Dual Plate Anchor and Bridle System;
  - The existing steel plate anchor will remain to be used for the marker cable and the tieback cables
  - Compaction of the soil on the steel plate anchors after installation
  - ECCC Project Manager will layout the anchor position
- Replacement of the main cable with 7/8" IWRC 6x26;
  - ECCC estimated 97m of cable required. To be verified by the Contractor;
- Replacement of tieback cables with one 1/2" IWRC tieback cable on each bank;
  - ECCC estimated two (2) 14m lengths of cable required. To be verified by the Contractor;
- Relocate the existing A-frame and its leg steel pipe footing on the home side 6m away from the bank edge.
  - A-frame must be installed in parallel with river edge and perpendicular to main cable in-line with far side system
  - A-frame must be installed level and plumb at the new location
  - ECCC Project Manager will layout the new position
- Installation of new ladder per ECCC standards on far side, see drawings 3136-10 and 3136-11, lowest rung to be 12" above ground level;
- Replacement of marker cable support bracket on far side per drawing 2705 sheet 2 items 1 and 2;
- Installation of A-frame Safety Loop per "Safety Loop Sketch";
- Replacement of decking on home side platform, per drawing 2705 sheet 3;
- The site must be restore to its original state.
- The Contractor is responsible for fabrication or procurement of all required components or materials.
  - Material list and components' shop drawings needs to be approved by ECCC Project Manager before ordering.

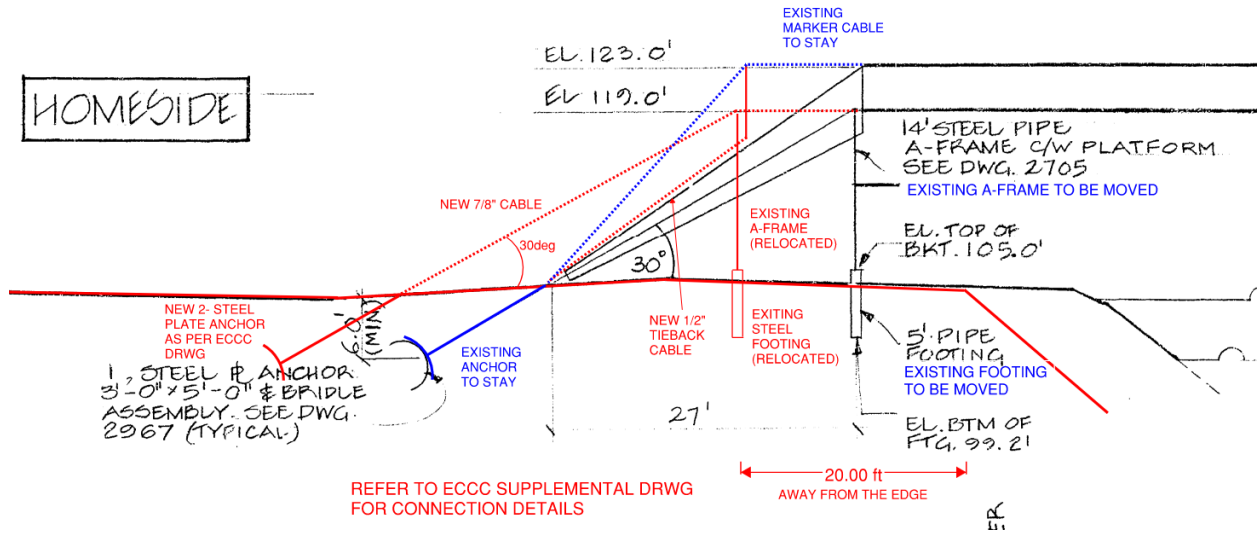


Figure 4: Graham River Homeside Scope of Work

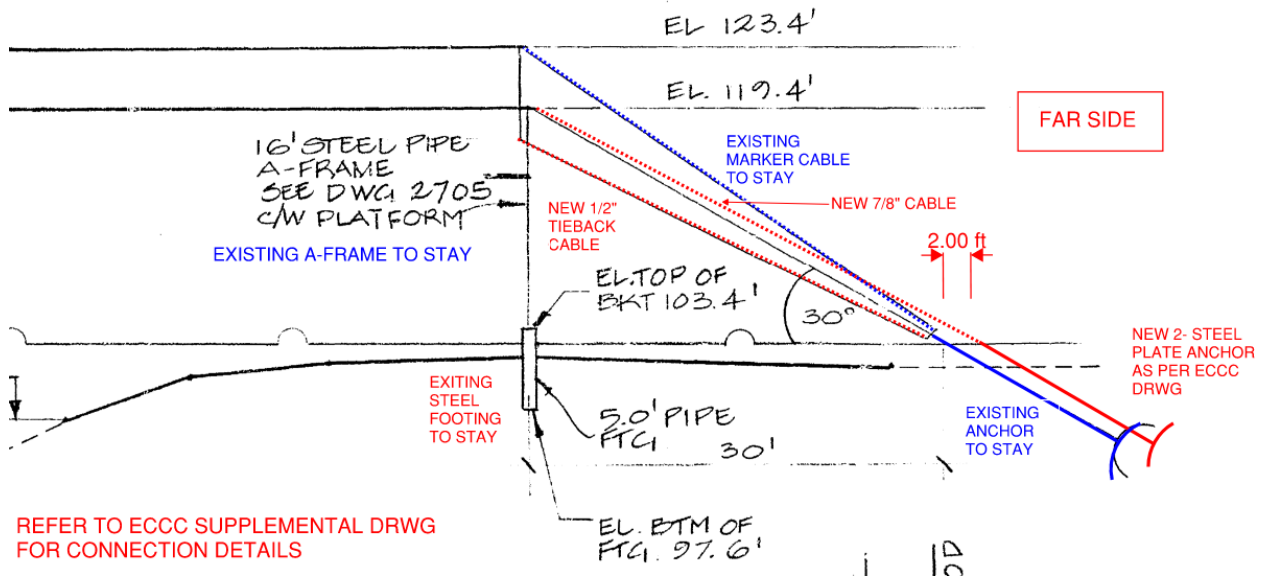


Figure 5: Graham River Farside Scope of Work

### **3. 1 Pre-Construction**

The Contractor must fully understand all the attached and relevant documents. The Contractor is required to provide ECCC with all requested pre-construction documents per section 4.0 and 5.0 two (2) weeks prior to mobilization and commencement of work.

The Contractor will attend a teleconference pre-construction meeting held within five (5) business days prior to mobilization.

### **3. 2 Construction**

The above noted cableway is **out of service** and **should not** be used under any circumstance for transportation of people and/or goods. Main cable is damaged and poses a safety risk.

The Contractor must clearly state their work plan methodology on how to:

- Installation of the new steel plate anchors;
- Re-location of the A-frame and the pipe footings on the home side;
- Lowering and replacing the main cable; the cable **must not** be left in the river for an extended duration;
- Stabilizing or lowering A-frame; the A-frame **cannot** impact the river bank or be placed in the stream;
  - The steel A-frames have a pin base; if main cable or tieback cable are released the A-frame becomes unstable
- Contractor's "Chance find procedures" for Archaeological Materials;
- Contractor's safety plan and project specific safety plan.

The Contractor must ensure the cableway is setup as per ECCC design and specifications, taking into consideration ECCC recommendations. The main cable is required to be installed at the design unloaded sag and tensioned correctly and secured per ECCC standards upon completion of construction.

The Contractor is required to have sufficient equipment and experience to carry out the plate anchor installation. Anchors must be installed at an adequate depth and correct angles per ECCC structural drawings 2812 and 2863. Full documentation, including survey data and photographs, must be provided.

Property belonging to ECCC or a private entity on-site or related to project must not be damaged. Any damage must be repaired prior to demobilization at the Contractor's expense. Care shall be taken to notify ECCC/land owners when the Contractor or subcontractors are on-site.



### **3.3 Material**

The Contractor is responsible of procurement and transportation of the required materials and components to the project site. All shop drawings and mill certificates must be provided to ECCC for review. It is the Contractor's decision to determine the most efficient and cost-effective method of transporting the equipment and materials to either side of the cableway. Removed material and components must be disposed of at an approved disposal facility. Project documentation must be provided to ECCC.

ECCC estimates that 97m of 7/8" IWRC cable will be required for the replacement of the main cable and two (2) 14m 1/2" IWRC cable will be required for the tieback cable. It is the Contractor's responsibility to verify that this length is adequate.

### **4.0 Deliverables**

The Contractor must ensure that all pre-construction deliverables, including a detailed outline of all work, schedule, shop drawings, mill-certificates, and items related to Section 5.0 are provided prior to the mobilization and commencement of work. Upon completion, the Contractor must provide field records and survey results to confirm the cables and towers have been re-installed in accordance to ECCC drawings and guidelines. ECCC representative will be on-site to provide direction for the survey.

Prior to procurement of material, all shop drawings and specifications must be submitted to ECCC for review. ECCC has **5 business days** to review and provide comments or approval.

Per section 3.2, a construction methodology for all parts of work must be submitted to ECCC for review prior to beginning of work. ECCC has **5 business days** to review and provide comments.

The Contractor must ensure they provide photos of their work at the site before, during, and after. This includes photos of all major installations and changes on the construction site. Extra measures must be taken for installation of the steel plate anchors to meet the adequate depth and angle. Photos are required of the material being disposed at an approved facility. Photos must be supplied within **5 business days** from completion of work.

### **5.0 Safe Work Procedures**

The Contractor must remain in compliance with the Canada Labour Code, National Joint Council Occupational Health and Safety Directive, and Worker's Compensation Board guidelines. The Contractor must provide ECCC with details of a safe work plan for each construction task.

All guidelines and regulations provided by the Government of Canada, the Province of BC, WorkSafeBC, and the British Columbia Construction Association relating to the COVID-19 pandemic must be practiced throughout construction. A plan outlining mitigation efforts must be provided to ECCC by the Contractor prior to mobilization.

## 6.0 Documents

The following documents and drawings are intended to be read with this statement of work:

- (1) 2705 – Pipe A-Frames
- (2) 2812 – Steel Plate Anchors
- (3) 2863 – Dual Plate Anchors
- (4) 2978-1 – Graham River above Colt Creek
- (5) 2978-1 Modified – Graham River Proposed Changes (KHA Markup)
- (6) 3136-7 – Pipe Foundations
- (7) 3136-10 – Ladder Requirements
- (8) 3136-11 – Ladder Requirements 2
- (9) Safety Loop Drawing
- (10) Graham River Archaeology Assessment
- (11) SAMPLE – Chance Find Procedure
- (12) Supporting Photos
- (13) Graham River - GENERAL STRUCTURAL NOTE

## 7.0 Schedule

Due to the COVID-19 pandemic, ECCC field operation is suspended until further notice. The Contractor must honour their price and commitment for the above noted project for the 2020/2021 (April 1 2020 – April 1 2021) fiscal year.

It is highly recommended that the construction be completed as soon as possible once deemed safe by ECCC. In the event where work is not completed due to COVID-19 pandemic, ECCC will cancel or extend the project.

A kick-off meeting between ECCC and the Contractor shall be conducted within **5 business days** of contract award. Meeting to be arranged and led by representative of ECCC.

Unless otherwise agreed upon, the work must be completed no later than **March 01, 2021**. Window of low environmental risk to in-stream fish species ranges from July 15<sup>th</sup> to August 15<sup>th</sup>.

## **8.0 Environment Canada Responsibilities**

ECCC will include the following:

- Point of communication with the involved Land Owner;
- Acquisition of relevant permits and background information with the Province of BC and Department of Fisheries and Oceans;
  - BC Water Act Notification;
  - Archaeological Assessment;
  - Desktop Study - Environmental Assessment;
  - Working around Water Permit, as applicable;
- Providing drawings and description of all components related to the work;
- Will provide on-site and remote support during all phases of the project;
  - Will be on-site at the beginning of construction, at key points during construction, and to conduct a final sign-off and survey upon completion