



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

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

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.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Electrical & Electronics Products Division
L'Esplanade Laurier
East Tower, 4th floor,
Ottawa
Ontario
K1A 0S5

Title - Sujet Fall Protection Equip. at Latchford	
Solicitation No. - N° de l'invitation EP168-193425/A	Date 2019-07-05
Client Reference No. - N° de référence du client 20193425	
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-336-77437	
File No. - N° de dossier hn336.EP168-193425	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-08-19	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Bisson, Phillipe	Buyer Id - Id de l'acheteur hn336
Telephone No. - N° de téléphone (613) 295-8641 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF PUBLIC WORKS AND GOVERNMENT SERVICES CANADA PORTAGE III 11 LAURIER ST Gatineau Quebec K1A0S5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement associated with the requirement.

1.2 Statement of Work

The contractor must provide the goods and/or services in accordance with the technical requirements stated at Annex A.

1.2.1 Delivery Requirement

Delivery is requested to be completed by October 15, 2019.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA) and the Canadian Free Trade Agreement (CFTA).

1.5 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2019-03-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 90 days

2.1.1 SACC Manual Clauses

SACC Reference	Section	Date
B1000T	Condition of Material	2014-06-26

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated in the bid solicitation.

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

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hn336.EP168-193425

Buyer ID - Id de l'acheteur

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CCC No./N° CCC - FMS No./N° VME

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (2 hard copies)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

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

- use 8.5 x 11 inch (216 mm x 279 mm) paper;
- 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 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
- 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.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment (Annex C).

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, identify which ones are accepted.

- ☐ VISA Acquisition Card;
- ☐ MasterCard Acquisition Card;
- ☐ Direct Deposit (Domestic and International);
- ☐ Electronic Data Interchange (EDI);
- ☐ Wire Transfer (International Only);
- ☐ Large Value Transfer System (LVTS) (Over \$25M)

If none are chosen, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

3.1.3 Pricing - Multi-Item Bid Solicitation

Bidders must quote a price for every item in the bid solicitation in order to be evaluated. Bidders may withdraw their entire after bid closing but prior to contract award by advising in writing the Contracting Authority.

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

You are reminded that this solicitation requires the compliance and/or completion of requirements attached as an Annex and forming part of this document.

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

4.1.1.1 Mandatory Technical Criteria

The following Mandatory requirements must be submitted with the bid for evaluation

- Technical compliance herein

4.1.2 Financial Evaluation

The following Mandatory factors will be taken into consideration in the evaluation of each offer:

- Compliance with Pricing Basis;

The Offer price will be determined by processing items at Annex C as follows:

- a. Sum of all items total price (unit price x qty.);

4.1.2.1 Pricing Basis

The bidder must quote firm unit prices in Canadian dollars, DDP Delivered Duty Paid (Latchford, ON), Applicable Taxes extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price on an aggregate basis will be recommended for award of a contract.

Please note: only (1) contract will be awarded.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 General Environmental Criteria Certification

The Bidder must select and complete one of the following two certification statements.

- A) The Bidder certifies that the Bidder is registered or meets ISO 14001.

Bidders' Authorized Representative Signature

Date

OR

- B) The Bidder certifies that the Bidder meets and will continue to meet throughout the duration of the contract, a minimum of four (4) out of six (6) criteria identified in the table below.

The Bidder must indicate which four (4) criteria, as a minimum, are met.

Green Practices within the Bidders' organization	Insert a checkmark for each criterion that is met
Promotes a paperless environment through directives, procedures and/or programs	

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All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	

Bidders' Authorized Representative Signature

Date

5.2.3 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/canada/esdc/labour's) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

5.2.4 Additional Certifications Precedent to Contract Award

5.2.4.1 Education and Experience

SACC Manual clause [A3010T](#) (2010-08-16) Education and Experience

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

There is no security requirement applicable to the Contract.

6.2 Statement of Work

The contractor must provide the goods and/or services in accordance with the technical requirements and quantities stated at Annex A.

6.2.1 SACC Manual Clauses

SACC Reference	Section	Date
<u>B7500C</u>	Excess Goods	2006-06-16

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

2010A (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before _____ (Delivery as offered and as accepted will be inserted at contract award).

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Phillipe Bisson – Supply Specialist

Public Works and Government Services Canada - Acquisitions Branch
Logistics, Electrical, Fuel and Transportation Directorate - "HN" Division
Building L'Esplanade Laurier, East Tower 140 O'Connor St, 4th floor, Ottawa ON K1A 0R5

Telephone: 613-295-8641

E-mail address: Phillipe.bisson@tpsgc-pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Technical Authority

The Technical Authority for the Contract is: (will be inserted at contract)

Name: _____

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Buyer ID - Id de l'acheteur
hn336
CCC No./N° CCC - FMS No./N° VME

Telephone: _____
Facsimile: _____
E-mail address: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority; however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Procurement authority

The Procurement Authority for the Contract is: (will be inserted at contract)

Name: _____
Telephone: _____
Facsimile: _____
E-mail address: _____

The Procurement Authority is the representative of the department or agency for whom the Work is being carried out under the Contract. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract with the Procurement Authority however the Procurement Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

(Name and telephone number of the person responsible for: (will be inserted at contract)

General enquiries

Name: _____
Telephone: _____
Facsimile: _____
E-mail: _____

Delivery follow-up

Name: _____
Telephone: _____
Facsimile: _____
Facsimile: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit prices, as specified in Annex C for a cost of \$ _____ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

6.6.2 Limitation of Price

SACC Manual clause C6000C (2017-08-17) Limitation of Price

6.6.3 Multiple Payments

SACC Manual clause H1001C (2008-05-12) Multiple Payments

6.6.4 Insurance – Specific Requirements

The Contractor must comply with the insurance requirements specified in Annex A (5.3.2.1.a) . The Contractor must maintain the required insurance coverage for the duration of the Contract.

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.

The Contractor must forward to the Contracting Authority within ten (10) days after the date of award of the Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. For Canadian-based Contractors, coverage must be placed with an Insurer licensed to carry out business in Canada, however, for Foreign-based Contractors, coverage must be placed with an Insurer with an A.M. Best Rating no less than "A-". The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

6.6.5 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - (a) The original and one (1) copy must be forwarded to the following address for certification and payment (can be sent by email):
 - Brian Lamarche
Dams and Water Management Engineering Group
Infrastructure Assets Management Directorate
Real Property Branch
PSPC
Place du Portage Phase III Floor 8A1
11 Laurier Street
Gatineau, Quebec, K1A 0S5
Brian.Lamarche@tpsgc-pwgsc.gc.ca
 - (b) One (1) copy must be forwarded to the Contracting Authority identified under the Section 5. Authorities

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the

Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____ (*insert the name of the province or territory as specified by the Bidder in its bid, if applicable*).

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2018-06-21);
- (c) Annex A, Statement of Work;
- (d) Annex B, Mandatory Technical Criteria;
- (e) Annex C, Basis of Payment;
- (f) the Contractor's bid dated _____, as clarified on _____, as amended on _____

6.11 SACC Manual Clauses (Delivery)

SACC Reference	Section	Date
<u>D9002C</u>	Incomplete Assemblies	2007-11-30

6.12 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) to "2 McLeod Street, Latchford, Ontario, P0J 1P0" Incoterms 2000 for shipments from a commercial contractor.

ANNEX "A" - STATEMENT OF WORK **FALL PROTECTION AT LATCHFORD DAM**

1 SCOPE SUMMARY

The Contractor shall:

- 1) Design, supply, and install one horizontal, active, fall-restraint system (overhead fixed track type), complete with self-retracting lifeline devices, for the Damkeepers using the stoplog lifter at Latchford Dam.
- 2) Train the Damkeepers on the system.
- 3) Provide manuals from original equipment manufacturers for all installed equipment.
- 4) Undertake an annual inspection of the installed system for three years following installation.

2 SECURITY REQUIREMENT

There is no security requirement applicable to the Contract.

3 PROBLEM STATEMENT

The Latchford Dam, built in 2016 to replace an earlier structure, is located on the Montreal River at Bay Lake in Ontario. Access to the dam is off Highway 11 within the Town of Latchford, which is about 130 km north of North Bay.

The Latchford Dam consists of 14 sluices controlled by stoplogs and one vertical lift gate. Stoplogs are squared timbers stacked in slots called "gains" between the piers to form a variable-height overflow weir in each sluice. An electric-mechanical stoplog lifter travels from sluice to sluice on rails along the dam deck and places or removes stoplogs in the sluices through openings in the deck at each sluice.

To perform their stoplog operations, two Damkeepers remove the sluice grate that normally covers the opening in the deck in order to access the stack of stoplogs in a sluice. The Damkeepers must look down into the sluice to see the arms of the stoplog lifter and the stoplog as it is being manipulated, to make sure that the stoplog is properly lined-up. For this reason, the Damkeepers are at some risk of falling through these deck openings. There is currently no provision on the stoplog lifter for the two Damkeepers to tie-off when performing their operations.

The stoplog lifter has an upper machinery platform that extends the length of the stoplog lifter, located rather high overhead of where the Damkeepers move about during their work.

Canada wishes to install a fall protection system, rigid-beam style, underneath platform such that the Damkeepers have a place to tie-off.

4 TECHNICAL REQUIREMENTS

4.1 System Requirements

- 1) Fall-restricting system, including anchorages, must be designed by a Professional Engineer licensed to practice in Ontario to CAN/CSA Z259.16-04(R2014) *Design of Active Fall-Protection Systems*.
- 2) All system components must be able to operate at temperatures between -35°C and +35°C.

4.2 Track and Trolleys

- 1) Lifeline must be of the rigid track type, with dual-tracks having their own trolleys, allowing two Damkeepers to work simultaneously and to pass one another without disconnecting.
- 2) Track must run the full length of stoplog lifter's balcony, i.e. the track must be 10.622 metres long.

- 3) Tracks for trolleys must be resistant to ice build-up (i.e. shape must be closed and protected, so that the running surfaces are shielded from ice buildup).
- 4) Tracks and trolleys must be able to withstand the Damkeepers using steam for de-icing.
- 5) Track must be connected to the underside of the upper balcony on the stoplog lifter. The beam (see Figures) is a W 410 @ 85 x 10622 mm of CSA G40.21 350W steel (original equipment manufacturer's part no 6039-2P315).

4.3 Self-Retracting Lifeline (SRL) Devices

- 1) Provide a total of four identical self-retracting lifeline (SRL) devices. Install two of these on the trolleys and deliver the two other to the Latchford Dam site, where they will be kept as spares.
- 2) SRL devices must meet CSA Z259.2.2 *Self-Retracting Devices for Personal Fall-Arrest Systems*, Type 2.
- 3) Normal working length must be between 6.1 metres and 9.1 metres (i.e. between 20 feet and 30 feet).
- 4) SRL devices must have internal energy-absorbing mechanism and brake with a visible fall indicator where a visual red mark will pop open should an impact fall force occur.
- 5) Because track will be so far overhead from where the Damkeepers are working, SRL devices must be left connected to the track and supplied with a tagline long enough that the Damkeepers can pull down the cable for attaching to the dorsal D-rings on their harnesses. Hence, provide sealed units suitable for use outdoors with appropriately long taglines. Other configurations providing the same level of convenience for the Damkeepers will be acceptable if compliant with fall protection standards.

4.4 Delivery and Installation

- 1) Install track on the stoplog lifter according to designer's shop drawings and manufacturer's instructions.
- 2) Provide all tools, materials, ladders and other access devices necessary for installation process.
- 3) Track installation work and delivery of all other components must be complete by October 15, 2019.
- 4) Clean the dam site of all packing materials and other debris from installation after work is complete.
- 5) After installation, provide as-built record drawings (PDF format) sealed by the Professional Engineer who designed the system.

4.5 Training

- 1) Provide training session for three Damkeepers after installation, explaining the limitations of the equipment, and demonstrating how the Damkeepers are to use, inspect, and maintain the system.
- 2) Provide minimum of two hours of training and allow each Damkeeper to practice hands-on.
- 3) Damkeepers will bring their own harnesses to the training session.
- 4) Damkeepers are bilingual, but more fluent in French. If possible, provide training in French.
- 5) Provide all end-user manuals from original equipment manufacturers containing manufacturer's serial number, name, and part number of each individual component used in the systems, and also providing ordering information for all replacement parts. Provide both English and French manuals whenever these are available.

4.6 Annual Inspections

- 1) Provide annual inspection and re-certification of anchor points for three years following installation. Inspection and re-certification must be provided during the month of July. Coordinate with Technical Authority for the exact date.

5 ADMINISTRATIVE REQUIREMENTS

5.1 Project Manager

Appoint a competent Project Manager to plan, direct, control, and make decisions for the Contractor and who must be the main point of contact between the Contractor and the Technical Authority.

5.2 Kick-Off Meeting

A kick-off meeting will be held at the Dam location within 3 weeks of Award of Contract.

The discussion must include, but not necessarily be limited to, a review of the project requirements and the Contractor’s schedule and identification of items on critical path.

5.3 Health & Safety Requirements

5.3.1 Responsibility

- 1) When on the dam site, the Contractor is responsible for health and safety of own personnel and all subcontractor.
- 2) Provide Competent Supervisor at the dam site, who is an employee of the Contractor. Assign responsibility and obligation to Competent Supervisor to stop Work when it is advisable to do so for reasons of health or safety.
- 3) Existing known hazards at the dam site include:
 - a) remote location
 - b) lack of bathroom facilities at Latchford Dam (there is a tourist office and a gas station nearby, but these are not particularly convenient)
 - c) working outdoors
 - d) working at heights
 - e) tripping hazards on the dam deck

5.3.2 Submittals

- 1) **Company information** (also submit for those sub-contractors who will be working at the dam site):
 - a) **Clearance Certificate** from the Workplace Safety Insurance Board (WSIB) or proof of disability insurance coverage from private company. This must be valid for duration of Contract.
 - b) Copy of **Company’s Health & Safety Policy Statement** meeting the requirement of the Ontario Occupational Health and Safety Act.
 - c) Copy of Company’s **Occupational Health and Safety Program** meeting the requirements of the Ontario Occupational Health and Safety Act.
- 2) **Site-Specific Hazard Assessment and Health and Safety Plan (SSHAHSP)**
 - a) Perform site-specific safety hazard assessment related to project and submit SSHAHSP no later than 2 weeks after the kickoff meeting
 - b) Develop written SSHAHSP based on hazard assessment, being a description of the measures and controls that will be used to protect employees and subcontract personnel and for ensuring compliance with Federal, Provincial, and Municipal laws and regulations when working at the dam.
 - c) Include name of person(s) responsible for ensuring adherence to SSHAHSP on site (this may be the Supervisor).
 - d) Implement and enforce plan during all work on site.
- 3) **Unforeseen hazards.**—Should any unforeseen or peculiar safety-related factor, hazard, or condition

become evident during performance of Work, and follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Ontario.

- 4) **Emergency Contact List.**—Submit a list of names, roles, and phone numbers, of people who will be on site. List must include all sub-contractors. Include name of nearest health facility, a map showing its location, and how it would be contacted during an emergency.

6 IMAGES



Figure 1 - Location of Latchford, Ontario.



Figure 2 - Stoplog lifter on Latchford Dam. Google Street View image.



Figure 3 - Stoplog lifter in operation.



Figure 5 - Underside of beam to which track must be attached.



Figure 4 - Stoplog lifter. Arrow shows beam to which track must be connected.

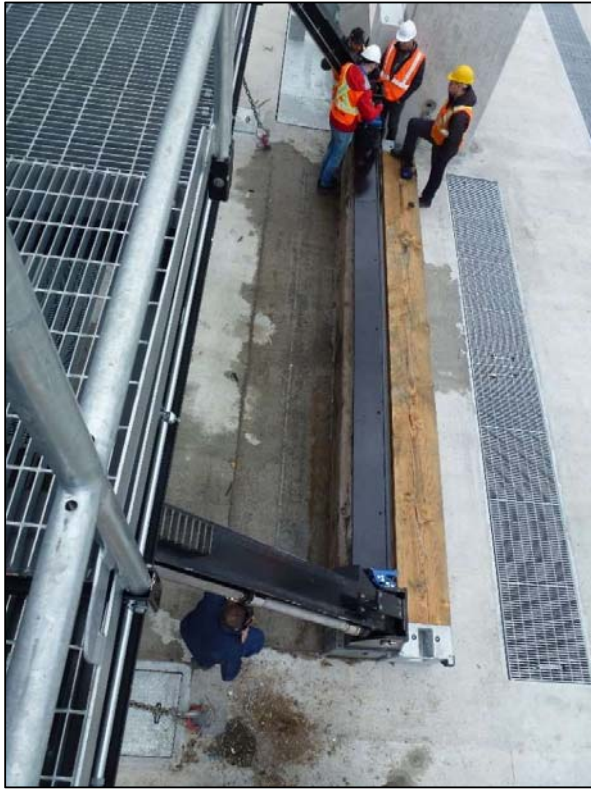


Figure 6 - View looking down from balcony.



Figure 7 - Stoplog lifter, drone view.

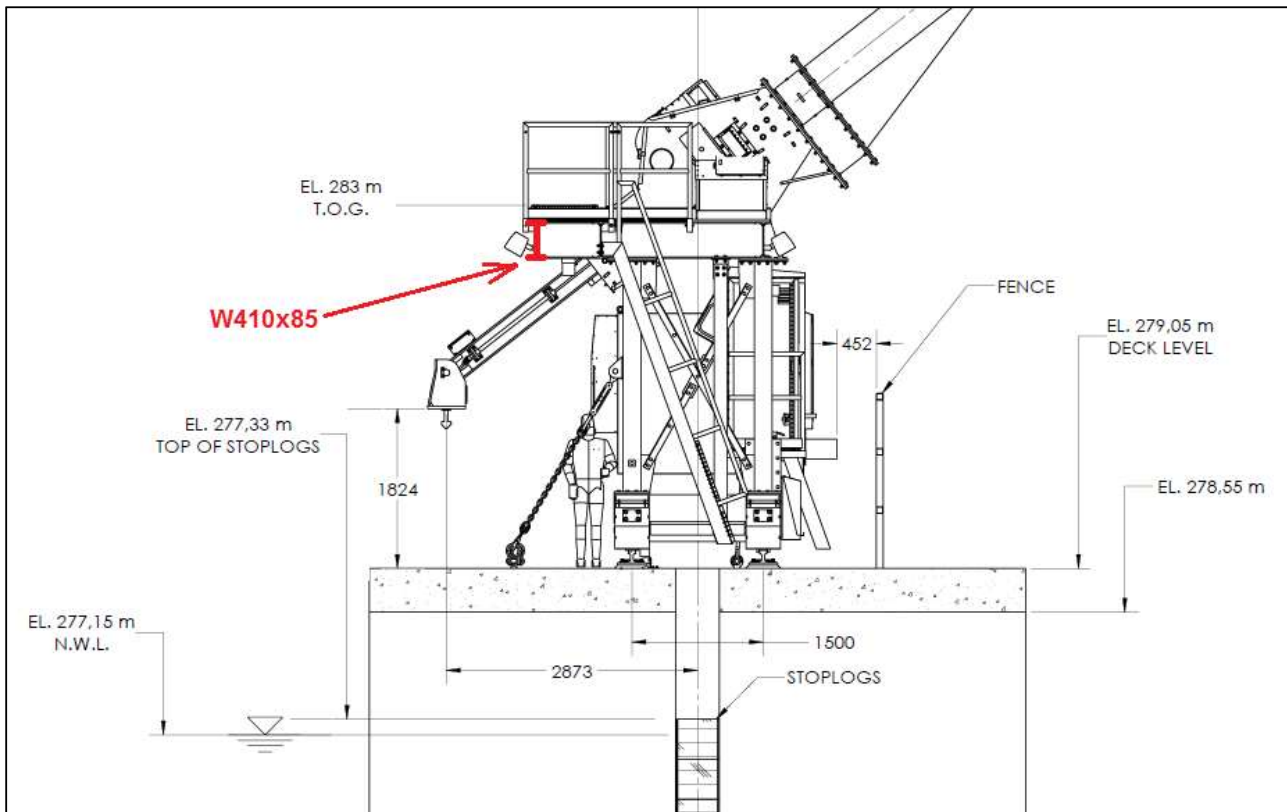


Figure 8 - From General Arrangement drawing #6039-0D001 REV 1 showing overall dimensions. Beam to which track is to be connected is shown in red.

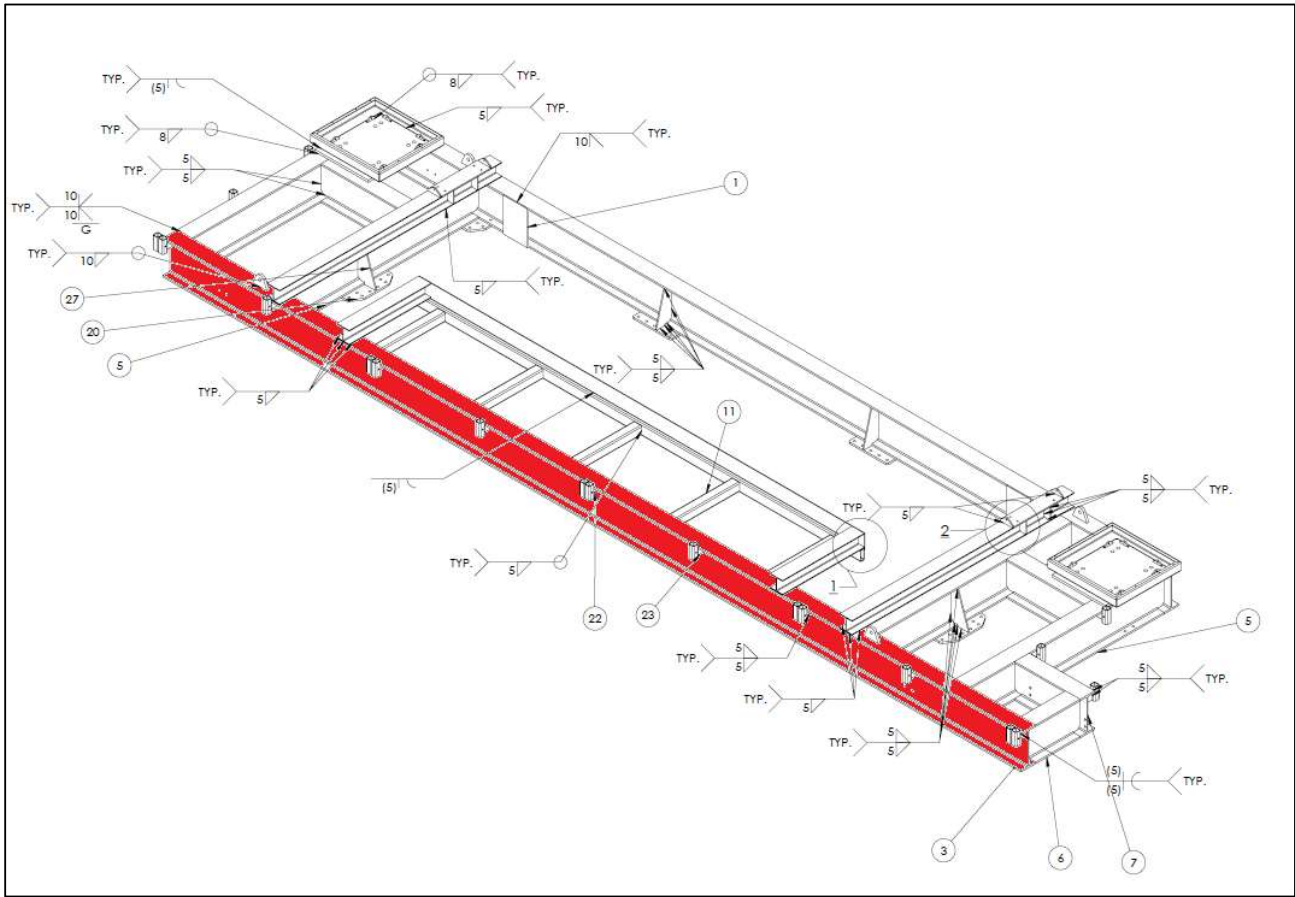


Figure 9 - Isometric of platform, from stoplog lifter's drawing 6039-2D304 REV 0 Deck Platform Welded Assembly. Beam to which track must be attached is shown in red.

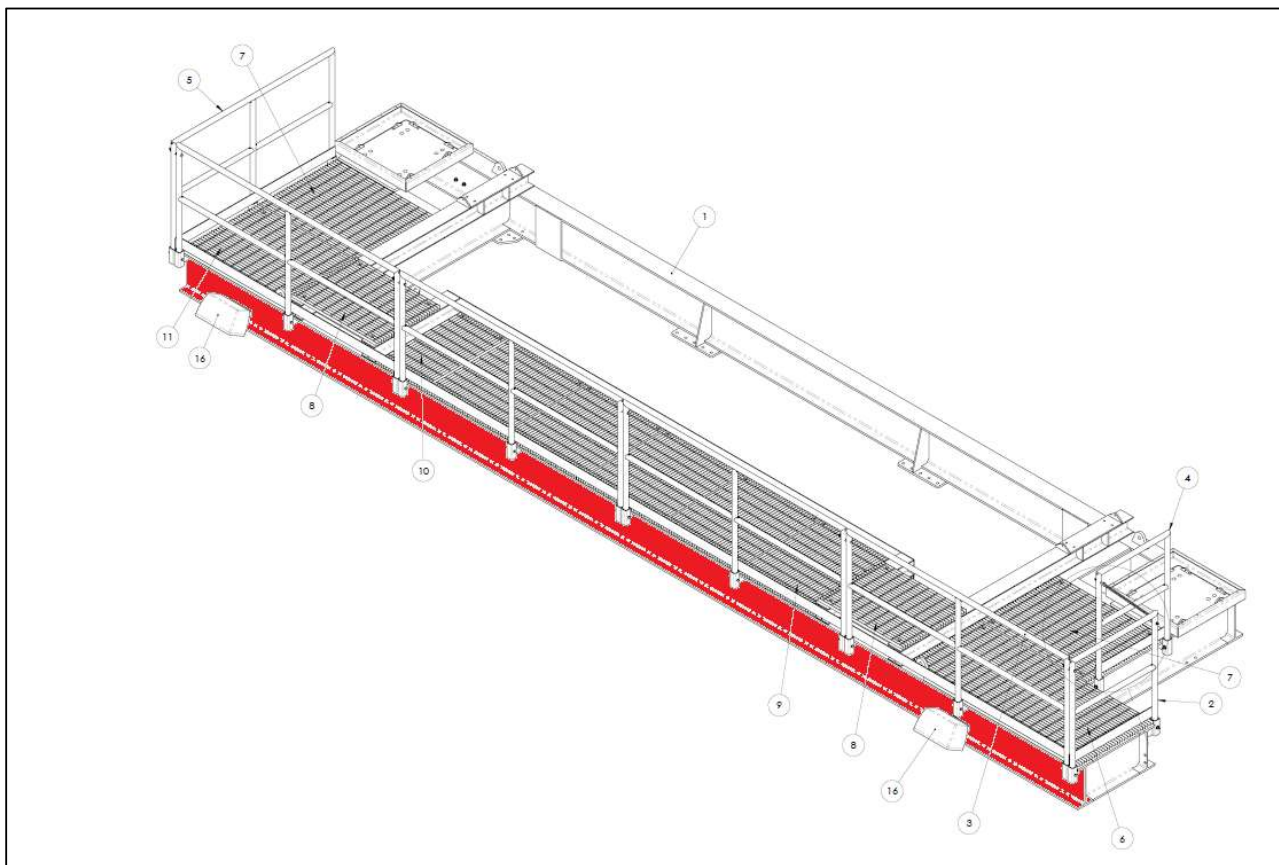


Figure 10 - Isometric of platform from stoplog lifter's drawing 6039-2D303 REV 0 Deck Assembly Details. Beam to which track must be attached is shown in red.

7 DRAWINGS

6039-2D003 REV 1 Structural Assembly Details

6039-2D303 REV 0 Deck Assembly Details

6039-2D304 REV 0 Deck Platform Welded Assembly

ANNEX "B" - MANDATORY TECHNICAL CRITERIA

- 1) In order to facilitate the evaluation of the bid, Canada requests that bidders address and present topics in the order of the evaluation criteria under the same headings.
- 2) Bidders should complete column C. Column D will be filled out by Canada during the bid evaluation.

A	B	C	D
No.	Criterion	Technical Bid Ref. (Page or Section Number)	Bid Meets Requirement Yes / No
M-1	Corporate Experience. —Bidders must provide details of one (1) contract completed within the last five (5) years where they have designed and installed active fall protection systems (overhead fixed-track type) in an outdoors environment. The contract must include: description of system, installation date, contract value, and photograph of installation. Provide client contact information (Canada may contact directly to confirm the information provided).		
M-2	Delivery Date and Schedule. —Bidder must have submitted a draft schedule of work, showing major milestones of work. Delivery should be on or before October 15, 2019.		
M-3	Technical Requirements – System. —Proposed fall protection system and its components must meet all technical requirements of SOW sections 4.1- 4.5		
M-4	Technical Requirements – Delivery and installation. —Proposed method of delivery and installation must meet requirements of SOW section 4.4 Delivery and Installation		
M-5	Technical Requirements – Training. —Bidders proposed training must meet requirements of SOW section 4.5 Training		
M-7	Annual Inspections. —Bidder must offer three annual inspections that meet 4.6 Annual Inspections		

ANNEX "C" – BASIS OF PAYMENT

Financial Bid Presentation Table

#	Description	Price
A	For the work as described in Annex A, Sections 4.1 to 4.8 inclusive, and all work described in Annex A, Section 5: a FIRM PRICE of (applicable taxes excluded):	\$_____
B	For the 2020 Annual Inspection as described in Annex A, Section 4.9: a FIRM PRICE of (applicable taxes excluded):	\$_____
C	For the 2021 Annual Inspection as described in Annex A, Section 4.9: a FIRM PRICE of (applicable taxes excluded):	\$_____
D	For the 2022 Annual Inspection as described in Annex A, Section 4.9: a FIRM PRICE of (applicable taxes excluded):	\$_____
E	Evaluation Price (applicable taxes excluded): The sum of lines [A + B + C + D]	\$_____
F	Applicable taxes on line E GST/HST	\$_____
G	Total Price The sum of lines [E + F]	\$_____