



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Regional Manager/Real Property
Contracting/PWGSC
Ontario Region, Tendering Office
12th Floor, 4900 Yonge Street
Toronto, Ontario
M2N 6A6
Ontario

INVITATION TO TENDER

APPEL D'OFFRES

**Tender 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.

**Soumission 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 et 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

Regional Manager/Real Property Contracting/PWGSC
Ontario Region, Tendering Office
12th Floor, 4900 Yonge Street
Toronto, Ontario
M2N 6A6
Ontario

Title - Sujet Jones Falls Lock Rehab & Replacemen	
Solicitation No. - N° de l'invitation EQ754-190325/A	Date 2018-07-23
Client Reference No. - N° de référence du client R.079800.009	GETS Ref. No. - N° de réf. de SEAG PW-\$PWL-037-2385
File No. - N° de dossier PWL-8-41028 (037)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-09-04	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
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 questions à: Dhillon, Ambreen	Buyer Id - Id de l'acheteur pwl037
Telephone No. - N° de téléphone (416) 590-8253 ()	FAX No. - N° de FAX (416) 512-5862
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC/TPSGC Joseph Shepard Building 32 4900 Yonge Street Toronto, ON M2N 6A6 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

INVITATION TO TENDER
Jones Falls Lock Rehab and Timber Bridge Replacement
Elgin, ON

IMPORTANT NOTICE TO BIDDERS

TWO-ENVELOPE BID

This Bid shall be submitted following a “two-envelope” procedure. Refer to SI05 of the Special Instructions to Bidders.

PROMPT PAYMENT IN THE CONSTRUCTION INDUSTRY

Prompt Payment Principles

Public Services and Procurement Canada advocates that construction-related payments should follow these three principles:

- Promptness: The department will review and process invoices promptly. If disputes arise, Public Services and Procurement Canada will pay for items not in dispute, while working to resolve the disputed amount quickly and fairly
- Transparency: The department will make construction payment information such as payment dates, company names, contract and project numbers, publicly available; likewise, contractors are expected to share this information with their lower tiers
- Shared responsibility: Payers and payees are responsible for fulfilling their contract terms including their obligations to make and receive payment, and to adhere to industry best practices.

For more information: <http://www.tpsgc-pwgsc.gc.ca/biens-property/divulgate-disclosure/psdic-ppci-eng.html>

PWGSC UPDATE ON ASBESTOS USE

Effective April 1, 2016, all Public Works and Government Services Canada (PWGSC) contracts for new construction and major rehabilitation will prohibit the use of asbestos-containing materials. Further information can be found at <http://www.tpsgc-pwgsc.gc.ca/comm/vedette-features/2016-04-19-00-eng.html>

THE FOLLOWING MUST BE REQUESTED FROM THE CONTRACTING OFFICER:

Annex “C” Video (CD) - Underwater video of Locks 39 and 42.

TABLE OF CONTENTS

SPECIAL INSTRUCTIONS TO BIDDERS (SI)

- SI01 Introduction
- SI02 Bid Documents
- SI03 Enquiries During the Solicitation Period
- SI04 Optional Site Visit
- SI05 Submission of Bid
- SI06 Revision of Bid
- SI07 Opening of Bids
- SI08 Completion of Submission
- SI09 Insufficient Funding
- SI10 Debriefings
- SI11 Bid Validity Period
- SI12 Construction Documents
- SI13 Web Sites

R2710T GENERAL INSTRUCTIONS TO BIDDERS - CONSTRUCTION SERVICES - BID SECURITY REQUIREMENTS (GI) (2017-09-21)

The following sections of clause R2710T are set out in Web site;

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

- GI01 Integrity Provisions - Bid
- GI02 Completion of Bid
- GI03 Identity or Legal Capacity of the Bidder
- GI04 Applicable Taxes
- GI05 Capital Development and Redevelopment Charges
- GI06 Registry and Pre-qualification of Floating Plant
- GI07 Listing of Subcontractors and Suppliers
- GI08 Bid Security Requirements
- GI09 Submission of Bid
- GI10 Revision of Bid
- GI11 Rejection of Bid
- GI12 Bid Costs
- GI13 Procurement Business Number
- GI14 Compliance with Applicable Laws
- GI15 Approval of Alternative Materials
- GI16 Performance Evaluation
- GI17 Conflict of Interest-Unfair Advantage
- GI18 Code of Conduct for Procurement—bid

CONTRACT DOCUMENTS (CD)

SUPPLEMENTARY CONDITIONS (SC)

- SC01 Industrial Security Related Requirements, Document Safeguarding
- SC02 Insurance Terms

BID AND ACCEPTANCE FORM (BA)

- BA01 Identification
- BA02 Business Name and Address of Bidder
- BA03 The Offer
- BA04 Bid Validity Period
- BA05 Acceptance and Contract
- BA06 Construction Time
- BA07 Bid Security
- BA08 Signature

APPENDIX 1 COMBINED PRICE FORM

APPENDIX 2 INTEGRITY PROVISIONS

APPENDIX 3 LISTING OF SUBCONTRACTORS

Solicitation No. - N° de l'invitation
EQ754-190325

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
pwl037

Client Ref. No. - N° de réf. du client
R.079800.009

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

APPENDIX 4 VOLUNTARY CERTIFICATION TO SUPPORT THE USE OF APPRENTICES
APPENDIX 5 QUALIFICATION FORMS

ANNEX A CERTIFICATE OF INSURANCE
ANNEX B VOLUNTARY REPORTS FOR APPRENTICES EMPLOYED DURING THE CONTRACT
ANNEX C UNDERWATER VIDEO OF LOCKS 39 AND 42

SPECIAL INSTRUCTIONS TO BIDDERS (SI)

SI01 INTRODUCTION

1. Public Works and Government Services Canada (PWGSC) intends to retain a Contractor to provide construction services for the project as set out in this Invitation to tender (ITT).
2. Bidders responding to this ITT are requested to submit a full and complete quotation refer to SI05 'Submission of Bid'.

SI02 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 (2017-09-21)
 - 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 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/5/R>

SI03 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 or at e-mail address ambreen.dhillon@tpsgc-pwgsc.gc.ca as early as possible within the solicitation period. Except for the approval of alternative materials as described in G115 of R2710T, enquiries should be received no later than five 5 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, the Contracting Authority will examine the content of the enquiry and shall 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.

SI04 OPTIONAL SITE VISIT

1. There will be a site visit on Thursday August 9th at 11:00am. Interested bidders are to meet at Jones Falls Lockstation in Elgin ON K0G 1E0

SI05 SUBMISSION OF BID

Section G109 of R2710T is replaced by the following:

1. The bid shall be submitted following a "two-envelope" procedure both envelopes shall be enclosed and sealed together in a third envelope, the bid envelope. All envelopes are to be provided by the Bidder.
2. The bid envelope shall be addressed and submitted to the office designated on the Front Page "Invitation to Tender" for the receipt of the bids. The bid must be received on or before the date and time set for solicitation closing. The Bidder shall ensure that the following information is clearly printed or typed on the face of the bid envelope:

- a. Solicitation Number;
 - b. Name of Bidder;
 - c. Return address; and
 - d. Closing Date and Time.
3. The Qualifications Form, and any required associated document(s), shall be enclosed and sealed in an envelope with the following information clearly printed or typed on the face of the envelope:
- a. ENVELOPE 1 - QUALIFICATIONS;
 - b. Solicitation Number; and
 - c. Name of Bidder.
4. The Bid and Acceptance Form (BA), and Bid Security if applicable, shall be enclosed and sealed in an envelope with the following information clearly printed or typed on the face of the envelope:
- a. ENVELOPE 2 - PRICE;
 - b. Solicitation Number; and
 - c. Name of Bidder.
5. Timely and correct delivery of bids is the sole responsibility of the Bidder.

SI06 REVISION OF BID

Paragraphs 1 and 3 of GI10 of R2710T are replaced by the following;

A bid submitted in accordance with these instructions may be revised by physically delivering a new price envelope, 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. It shall be enclosed and sealed in an envelope with the following information clearly printed or typed on the face of the envelope:

- a. REVISED ENVELOPE 1- QUALIFICATION and/or REVISED ENVELOPE 2 – PRICE,
- b. Solicitation Number, and
- c. Name of Bidder

SI07 OPENING OF BIDS / EVALUATION

1. There will be no public opening at bid deposit time.
2. Envelope 1 - Qualifications - will be opened privately. This envelope will be opened first to evaluate the submittal requirements. Requirements will be evaluated on a Pass or Fail basis. Failure to meet any or all of the mandatory requirement(s) will render the bid non-compliant and no other consideration will be given to the bid. Envelope 2 will be returned to the bidder.
3. Envelope 2 Price -:Submittals will be evaluated against the mandatory requirements, failure to comply with any or all of the mandatory requirement(s) will render the bid non-compliant and no other consideration will be given to the bid.
4. The responsive bid carrying the lowest price will be recommended for contract award.
5. Bid results may be obtained from the Contracting Authority named on the cover page of the Invitation to tender following completed evaluation.

SI08 COMPLETION OF SUBMISSION

The Bidder shall base the Bid on the applicable bid documents listed in the Special Instructions to Bidders. It is the responsibility of the Bidder to obtain clarification on any terms, conditions or technical requirements contained in this document.

SI09 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.

SI10 DEBRIEFINGS

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

SI11 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 shall 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 GI11 of R2710T.

SI12 CONSTRUCTION DOCUMENTS

The successful Contractor will be provided **with one electronic** of the sealed and signed drawings, the specifications and the amendments upon acceptance of the offer. Additional copies, up to a maximum (**insert amount**), will be provided free of charge upon request by the Contractor. Obtaining more copies will be the responsibility of the Contractor including costs.

SI13 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§ion=text#appl>

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

Canadian economic sanctions
<http://www.international.gc.ca/sanctions/index.aspx?lang=eng>

Contractor Performance Evaluation Report (Form PWGSC-TPSGC 2913)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/2913.pdf>

Bid Bond (form PWGSC-TPSGC 504)

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

Performance Bond (form PWGSC-TPSGC 505)

http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/505_eng.pdf

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

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

Standard Acquisition Clauses and Conditions (SACC) Manual

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

PWGSC, Industrial Security Services

<http://ssi-iss.tpsgc-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	R2810D	(2017-11-28);
GC2 Administration of the Contract	R2820D	(2016-01-28);
GC3 Execution and Control of the Work	R2830D	(2017-11-28);
GC4 Protective Measures	R2840D	(2008-05-12);
GC5 Terms of Payment	R2850D	(2016-01-28);
GC6 Delays and Changes in the Work	R2860D	(2016-01-28);
GC7 Default, Suspension or Termination of Contract	R2870D	(2008-05-12);
GC8 Dispute Resolution	R2880D	(2016-01-28);
GC9 Contract Security	R2890D	(2014-06-26);
GC10 Insurance	R2900D	(2014-06-26);
Allowable Costs for Contract Changes under GC6.4.1	R2950D	(2015-02-25);
Supplementary Conditions		
 - e. Any amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
 - f. Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and acceptance of the bid; and
 - g. 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/5/R>
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, DOCUMENTS SAFEGUARDING

There is no security requirement applicable to this Contract.

SC02 INSURANCE TERMS

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 on the form attached herein.
- (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.

Solicitation No. - N° de l'invitation
EQ754-190325

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
pwI037

Client Ref. No. - N° de réf. du client
R.079800.009

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

BID AND ACCEPTANCE FORM (BA)**BA01 IDENTIFICATION**

Jones Falls Lock Rehab and Timber Bridge Replacement
Elgin, ON
R.079800.009

BA02 LEGAL NAME AND ADDRESS OF BIDDER

Legal Name: _____

Operating Name (if any): _____

Address: _____

Telephone: _____ Fax: _____ PBN: _____

E-Mail address: _____

Industrial Security Program Organisation Number (ISP ORG#) _____
(when required)

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 60 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 185 weeks from the date of notification of acceptance of the offer.

BA07 BID SECURITY

The Bidder must enclose bid security with its bid in accordance with GI08 - R2710T - General Instructions - Construction Services - Bid Security Requirements.

BA08 SIGNATURE

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

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.

LUMP SUM

- 1) The Lump Sum Amount designates Work to which a Lump Sum Arrangement applies.
 - (a) Work included in the Lump Sum Amount represents all work not included in the unit price table.

LUMP SUM AMOUNT (LSA) Excluding applicable tax(es)	\$
--	----

UNIT PRICE TABLE – Part A

- 1) The Unit Price Table designates the Work to which a Unit Price Arrangement applies.
 - (a) The Price per Unit and the Estimated Total Price must be entered for each item listed.
 - (b) Work included in each item is as described in the referenced specification section.
 - (c) The Price per Unit shall not include any amounts for Work that is not included in that unit price item.

	Specification Reference	Class of Labour, Plant or Material	Unit	Estimated Quantity (EQ)	Price per Unit Applicable tax(es) extra (PU)	Extended amount (EQ x PU) applicable tax(es) extra
U1	02 41 18	Concrete Removal - Horizontal Surface	m3	339		
U2	02 41 18	Concrete Removal - Vertical Surface	m3	149		
U3	02 41 18	Concrete Removal - Slab on Grade	m3	53		
U4	02 41 18	Concrete Removal - Sluice Tunnels	m3	10		
U5	02 41 21	Remove and Reinstall Sluice Tunnel Valves and Frames	Each	8		
U6	02 41 21	Remove Sluice Gate Winches and Salvage	Each	5		
U7	02 41 21	Remove and Salvage Flagstone Pavers	m2	251		
U8	02 41 21	Remove Railings	m	48		
U9	02 41 21	Remove Trees	each	3		
U10	02 41 21	Remove Access Ladders	each	16		
U11	02 41 21	Remove and Salvage Upper Anchorage for Mooring Lines	each	20		
U12	02 41 21	Remove and Salvage Lower Anchorage for Mooring Lines	each	104		
U13	02 42 01	Removal and Reinstallation of Lock Gates - Short	Each	2		
U14	02 42 01	Removal and Reinstallation of Lock Gates - Tall	Each	4		
U15	03 00 99	Water Blast Cleaning	m2	1938		
U16	03 00 99	Water Blast Cleaning - Sluice Tunnels	m2	205		
U17	03 20 00	Galvanized Reinforcing Steel	t	39		
U18	03 20 00	Galvanized Reinforcing Steel - Allowance (15M Bar)	t	5		
U19	03 20 00	Galvanized Welded Wire Fabric	m2	39		
U20	03 20 00	Form Saver Couplers	Each	1646		
U21	03 30 00	Cast-in-Place Concrete - Floors	m3	363		
U22	03 30 00	Cast-in-Place Concrete - Fill in Breast Wall	m3	15		

	Specification Reference	Class of Labour, Plant or Material	Unit	Estimated Quantity (EQ)	Price per Unit Applicable tax(e)s extra (PU)	Extended amount (EQ x PU) applicable tax(e)s extra
U23	03 30 00	Cast-in-Place Concrete - Wall Trial Repairs - Lock 41	m3	4		
U24	03 30 00	Cast-in-Place Concrete - Sluice Tunnel Walls	m3	27		
U25	03 30 00	Cast-in-Place Concrete - Sluice Tunnel Soffit	m3	2.4		
U26	03 30 00	Cast-in-Place Concrete - Sluice Tunnel Floors	m3	4.6		
U27	03 30 00	Concrete Hand Patching - Sluice Tunnels	m3	2.4		
U28	03 30 00	Concrete Slab-on-Grade (allowance)	m3	5		
U29	03 30 00	Partial Depth Concrete Repairs - Horizontal	m3	6.2		
U30	03 30 00	PVC Waterstop	m	314		
U31	03 30 00	Reinforced Concrete Curtain Wall	m3	91		
U32	03 30 00	Concrete Finishing - Floors	m2	1210		
U33	03 03 09	Install Grout Tubes	Each	3688		
U34	03 03 09	Install Deep Grout Tubes	Each	1844		
U35	03 03 09	Install Grout Tubes - Sluice Tunnels	Each	256		
U36	03 03 09	Install Deep Grout Tubes - Sluice Tunnels	Each	224		
U37	03 03 09	Install Grout Tubes Underwater	Each	40		
U38	03 03 09	Install Deep Grout Tubes Underwater	Each	20		
U39	03 03 09	Install Deep Grout Tubes for Leaking Areas	Each	60		
U40	03 03 09	Install Deep Grout Tubes for Additional Leaking Areas	Each	36		
U41	03 03 09	Inject Grout in Walls	m3	98		
U42	03 03 09	Inject Grout - Sluice Tunnels	m3	1.8		
U43	03 03 09	Inject Grout in Walls - Underwater	m3	2		
U44	03 03 09	Formed Grout Repair - Lock 39 Downstream Wingwall	m3	1.96		
U45	03 03 09	Additional Grout Injection	m3	3		
U46	04 43 04	Raking Joints - Finish	m	5753		
U47	04 43 04	Raking Joints - Back	m	4314.75		
U48	04 43 04	Raking Joints - Deep Back	m	2157.375		
U49	04 43 04	Finish Pointing	m	5753		
U50	04 43 04	Back Pointing	m	4314.75		
U51	04 43 04	Deep Back Pointing	m	2157.375		
U52	04 43 04	Raking Joints - Finish - Sluice Tunnels	m	940		
U53	04 43 04	Raking Joints - Back - Sluice Tunnels	m	940		
U54	04 43 04	Raking Joints - Deep Back - Sluice Tunnels	m	470		
U55	04 43 04	Finish Pointing - Sluice Tunnels	m	940		
U56	04 43 04	Back Pointing - Sluice Tunnels	m	940		
U57	04 43 04	Deep Back Pointing - Sluice Tunnels	m	470		
U58	04 43 04	Underwater Joint Raking	m	20		
U59	04 43 04	Underwater Pointing	m	20		
U60	04 43 05	Stone Removal	m3	96		

	Specification Reference	Class of Labour, Plant or Material	Unit	Estimated Quantity (EQ)	Price per Unit Applicable tax(e)s extra (PU)	Extended amount (EQ x PU) applicable tax(e)s extra
U61	04 43 05	Stone Removal for Salvage	m3	12		
U62	04 43 05	Stone Removal for Dutchman Repairs	m3	126		
U63	04 43 05	Stone Removal - Sluice Tunnel Walls	m3	15		
U64	04 43 05	Stone Removal - Sluice Tunnel Soffit	m3	3		
U65	04 43 05	Stone Removal - Sluice Tunnel Floors	m3	4.6		
U66	04 43 05	Underwater Stone Removal for Dutchman Repairs	m3	8		
U67	04 43 06	Cut Stone - Full Dutchman	m3	84		
U68	04 43 06	Cut Stone - Full Dutchman - Special	m3	20		
U69	04 43 06	Cut Stone - Partial Dutchman	m3	9		
U70	04 43 06	Cut Stone - Full Stone	m3	93		
U71	04 43 07	Install Stone - Full Dutchman	m3	84		
U72	04 43 07	Install Stone - Full Dutchman - Special	m3	20		
U73	04 43 07	Install Stone - Partial Dutchman	m3	9		
U74	04 43 07	Install Stone - Full Stone	m3	93		
U75	04 43 07	Install Stone - Underwater - Full Dutchman	m3	8		
U76	04 43 07	Install Stone - Underwater - Partial Dutchman	m3	1		
U77	05 05 20	Anchor Type B1	Each	637		
U78	05 05 20	Anchor Type B2	Each	1047		
U79	05 05 20	Anchor Type B3	Each	182		
U80	05 05 20	Anchor Type B4	Each	234		
U81	05 05 20	Anchor Type B5	Each	144		
U82	05 05 20	Anchor Dowel Type D1	Each	1233		
U83	05 05 20	Anchor Dowel Type D2	Each	26		
U84	05 05 20	Anchor Dowel Type D3	Each	806		
U85	05 05 20	Anchor Dowel Type D4 (not used)	Each	0		
U86	05 05 20	Anchor Dowel Type D5	Each	80		
U87	05 05 20	Anchor Dowel Type D6	Each	700		
U88	05 05 20	Anchor Dowel Type D7	Each	500		
U89	05 50 00	Reinstall Salvaged Sluice Gate Winches	Each	5		
U90	05 50 00	Reset Mooring Line Top Anchorage	Each	20		
U91	05 50 00	Replace Mooring Line Lower Anchorage Assembly	Each	104		
U92	05 50 00	Re-Furbish Tunnel Vent Covers	Each	16		
U93	05 50 00	New Railings	m	48		
U94	05 50 00	Supply and Install Pressure Relief Valves	Each	24		
U95	05 50 00	Supply and Install Access Ladders	Each	16		
U96	31 23 15	Common Excavation	m3	1670		
U97	31 23 15	Backfill - Granular A	t	1500		
U98	31 23 15	Backfill - Granular B	t	3000		
U99	31 23 15	Bedding - Sand	t	100		
U100	31 23 15	Backfill - Native Material	m3	1500		

	Specification Reference	Class of Labour, Plant or Material	Unit	Estimated Quantity (EQ)	Price per Unit Applicable tax(e)s extra (PU)	Extended amount (EQ x PU) applicable tax(e)s extra
U101	31 32 19	Geotextile	m2	600		
U102	31 37 00	Rip-Rap	t	60		
U103	31 37 00	Clear Stone	t	40		
U104	31 62 16	Steel Sheet Piling	m	20		
U105	31 63 20	Secant Wall	m	14		
U106	32 13 11	Supply and Install Flagstone Pavers (60mm thick)	m2	251		
U107	32 13 11	Supply and Install Flagstone Pavers (100mm thick)	m2	143		
U108	32 13 11	Supply and Install Flagstone Pavers (300mm thick)	m2	14		
U109	33 41 99	Catch Basin (OPSD 705.010)	Each	3		
U110	33 41 99	200mm Dia. HDPE, Perforated Pipe wrapped in Geotextile	m	266		
U111	33 41 99	T Connections for HDPE Pipes	Each	7		
U112	33 41 99	300mm Dia. HDPE, Non-Perforated Pipe	m	140		
U113	33 41 99	400mm Dia. HDPE, Non-Perforated Culvert	m	13		
U114	33 41 99	600mm Dia. HDPE, Non-Perforated Culvert	m	55		
Part A - TOTAL EXTENDED AMOUNT (TEA)						
Excluding applicable tax(e)s						

UNIT PRICE TABLE – Part B

- 2) The Unit Price Table designates the Work to which a Unit Price Arrangement applies.
- (a) The Price per Unit and the Estimated Total Price must be entered for each item listed.
- (b) Work included in each item is as described in the referenced specification section.
- (c) The Price per Unit shall not include any amounts for Work that is not included in that unit price item.

	Specification Reference	Class of Labour, Plant or Material	Unit	Estimated Quantity (EQ)	Price per Unit Applicable tax(e)s extra (PU)	Extended amount (EQ x PU) applicable tax(e)s extra
U115	31 62 16.19	Tubular Steel Piles	m	350		
U116	31 62 16.19	Tubular Steel Pile Concrete Fill	m3	25		
Part B - TOTAL EXTENDED AMOUNT (TEA)						
Excluding applicable tax(e)s						

TOTAL BID AMOUNT (LSA + TEA(Part A) + TEA(Part B))						
Excluding applicable						

Note: Bidders are reminded that it is their responsibility to include in their bid all work as described in the drawings and specifications.

APPENDIX 3 - LISTING OF SUBCONTRACTORS

- 1) In accordance with GI07 - Listing of Subcontractors and Suppliers of R2710T- General Instructions - Construction Services - Bid Security Requirements, the Bidder should provide a list of Subcontractors with his Bid.
- 2) The Bidder should submit the list of Subcontractors and for any portion of the Work valued at 20% or greater of the submitted Bid Price.

	Subcontractor	Division
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

APPENDIX 4 - VOLUNTARY CERTIFICATION TO SUPPORT THE USE OF APPRENTICES

(page 1 of 2)

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA APPRENTICE PROCUREMENT INITIATIVE

1. To encourage employers to participate in apprenticeship training, Bidders bidding on construction and maintenance contracts by Public Works and Government Services Canada (PWGSC) are being asked to sign a voluntary certification, signaling their commitment to hire and train apprentices.
2. Canada is facing skills shortages across various sectors and regions, especially in the skilled trades. Equipping Canadians with skills and training is a shared responsibility. The Government of Canada made a commitment to support the use of apprentices in federal construction and maintenance contracts. Contractors have an important role in supporting apprentices through hiring and training and are encouraged to certify that they are providing opportunities to apprentices as part of doing business with the Government of Canada.
3. The Government of Canada is encouraging apprenticeships and careers in the skilled trades. In addition, the government offers a tax credit to employers to encourage them to hire apprentices. Information on this tax measure administered by the Canada Revenue Agency can be found at: www.cra-arc.gc.ca. Employers are also encouraged to find out what additional information and supports are available from their respective provincial or territorial jurisdiction.
4. Signed certifications on page 2 of 2 will be used to better understand contractor use of apprentices on Government of Canada maintenance and construction contracts and may inform future policy and program development.
5. The Contractor hereby certifies the following:

In order to help meet demand for skilled trades people, the Contractor agrees to use, and require its subcontractors to use, reasonable commercial efforts to hire and train registered apprentices, to strive to fully utilize allowable apprenticeship ratios* and to respect any hiring requirements prescribed by provincial or territorial statutes

The Contractor hereby consents to this information being collected and held by PWGSC, and Employment and Social Development Canada to support work to gather data on the hiring and training of apprentices in federal construction and maintenance contracts.

To support this initiative, a voluntary certification signaling the Contractor's commitment to hire and train apprentices is available on page 2 of 2.

If you accept fill out and sign page 2 of 2

** The journey-person-apprentice ratio is defined as the number of qualified/certified journeypersons that an employer must employ in a designated trade or occupation in order to be eligible to register an apprentice as determined by provincial/territorial (P/T) legislation, regulation, policy directive or by law issued by the responsible authority or agency.*

Voluntary Certification
(To be filled out and returned with bid on a voluntary basis)
(page 2 of 2)

Note; The contractor will be asked to fill out a report every six months or at project completion as per sample "Voluntary Reports for Apprentices Employed during the Contract" provided at Annex C

Name: _____

Signature: _____

Company Name: _____

Company Legal Name: _____

Solicitation Number: _____

Number of company employees: _____

Number of apprentices planned to be working on this contract: _____

Trades of those apprentices:

APPENDIX 5 - QUALIFICATIONS FORM

MANDATORY QUALIFICATIONS AND SUBMISSIONS

Any Bid that fails to submit the required information or fails to meet any of the mandatory qualifications herein shall be declared non-compliant and shall receive no further consideration. In the event that a bid is non-compliant with all mandatory qualifications and submissions, Envelope Two – PRICE, will be returned unopened.

1. Bidder's Qualifications

- a. Each bidder must provide, with their bid, certification that they have successfully completed the construction of similar projects within the last ten (10) years where they managed and provided the majority of the contract services or used subcontractors, or by his proposed subcontractor(s).
- b. Similar projects are defined as construction projects that include the following type of works:
 - i. Heritage stone masonry restoration including cut and shaped stones.
 - ii. Marine Heritage stone masonry restoration including cut and shaped stones.
 - iii. Heavy Civil works including sheet piling, and secant piles.
 - iv. Cofferdam construction of similar size and height and temporary dewatering
 - v. General Concrete Work
 - vi. Bridge Construction with piling
- c. Bidders must provide sample projects for each of work above by himself or by proposed subcontractor that demonstrate their previous experience.
- d. Each project must have individually have a contract value greater than \$500,000 excluding taxes for Form 1A and Form 2A. Each project for Forms 2 through 5 must individually have a contract value greater than \$1,000,000.
- e. Bidders must complete the following forms included herein or a facsimile that includes all the information contained therein. These forms must be included as part of the bid submission in "Envelope One - QUALIFICATIONS."
 - i. "Form No. 1A and 1B (project one, project two) – Bidder's Experience – Previous Heritage Stone Masonry Project", that includes
 - a. Heritage stone masonry restoration including cut and shaped stones, and /or
 - b. Marine Heritage stone masonry restoration including cut and shaped stones, and
 - c. Pressure grouting related to masonry restoration
 - ii. "Form No. 2 – Bidder's Experience – Heavy Civil Works Project", that includes sheet piling and secant piles.
 - iii. "Form No. 3 – Bidder's Experience – Cofferdam Construction Project", that includes cofferdam construction of similar size and height and temporary dewatering.
 - iv. "Form No. 4 – Bidder's Experience – General Concrete Work"
 - v. "Form No. 5 – Bidder's Experience – Bridge Construction Project", that includes piling construction for permanent foundation that supports the bridge structure.

2. Project Manager's Experience

- a. Each bidder must demonstrate that the Project Manager assigned to this project:
 - i. has substantially completed, in the last 10 years, a minimum of two (2) projects, one (1) masonry construction project with a minimum contract value of \$500,000 and one (1) heavy civil construction project with a minimum contract value of \$1,000,000
- b. Bidders must complete "Form No. 6A and 6B (Project #1, #2)– Project Manager Experience – Previous Construction Project" included herein or a facsimile that includes all of the information contained therein. This form must be included as part of the bid submission in "Envelope One - QUALIFICATIONS."

-
- c. In addition to the above requirement, each Bidder must provide with their bid a curriculum vitae (C.V.) for their assigned Project Manager specifically limited to the requirements of this project. The C.V. should be a maximum of 2 pages long and should clearly indicate the name of the projects, their scope of work and year undertaken, role played and contract value in order demonstrate the years of experience the Project Manager has in managing masonry construction projects. The C.V. must be included as part of the bid submission in "Envelope One – QUALIFICATIONS".
3. Site Superintendent's Experience
- a. Each bidder must provide with their bid a certification that the Site Superintendent assigned to this project:
- i. has supervised a minimum of 2 projects with multi-year, multi-disciplinary work and in the last 10 years; and
- ii. has supervised, a minimum of two (2) projects, one (1) masonry construction project with a minimum contract value of \$500,000 and one (1) heavy civil construction project with a minimum contract value of \$1,000,000, and
- iii. Will be fully dedicated to the project and on site for the entire duration of the construction work.
- b. Bidders must complete "Form No. 7A and 7B (Project #1, #2)– –Site Superintendent's Experience – Previous Construction Project" included herein or a facsimile that includes all of the information contained therein. This form must be included as part of the bid submission in "Envelope One - QUALIFICATIONS."
- c. In addition to the above requirement, each Bidder must provide with their bid a curriculum vitae (C.V.) for their assigned Site Superintendent specifically limited to the requirements of this project. The C.V. should be a maximum of 2 pages long and should clearly indicate the name of the projects, their scope of work and year undertaken, role played and contract value in order demonstrate the years of experience the Site Superintendent has in managing Masonry construction projects. The C.V. must be included as part of the bid submission in "Envelope One – QUALIFICATIONS".
4. Heritage Stone Masonry Lead Experience
- a. Each bidder must provide with their bid a certification that the Heritage Stone Masonry Lead assigned to this project:
- i. has supervised/overseen a minimum of 2 masonry projects in the last 10 years;
- b. Bidders must complete "Form No. 8A and 8B (Project #1, #2)– –Heritage Stone Masonry Lead's Experience – Previous Masonry Project" included herein or a facsimile that includes all of the information contained therein. This form must be included as part of the bid submission in "Envelope One - QUALIFICATIONS."
- c. In addition to the above requirement, each Bidder must provide with their bid a curriculum vitae (C.V.) for their assigned Site Superintendent specifically limited to the requirements of this project. The C.V. should be a maximum of 2 pages long and should clearly indicate the name of the projects, their scope of work and year undertaken, role played and contract value in order demonstrate the years of experience the Site Superintendent has in managing Masonry construction projects. The C.V. must be included as part of the bid submission in "Envelope One – QUALIFICATIONS".
5. Bidder's Technical Support Team
- a. Each Bidder must have a Technical support team to assist the bidder with the project. The Technical Support Team must have experience in the design and monitoring and protection existing structure and temporary works including but not limited to: pre condition surveys, stability assessments; heritage stone masonry techniques and methodology; shoring systems at excavations and other in-water dewatering systems; coffer dam design and installation, environmental controls (including erosion, sediment, dust, and noise and water diversion systems) and professional commercial divers.
- b. The Bidder's Technical Support Team may include members of the Bidder's own team or a Subcontractor to perform the work.
- c. As a minimum the Bidders Technical Support Team needs to include the following key personnel:
- i. Civil/structural engineer;
- ii. Environmental specialist;

-
- iii. Qualified Surveyor
 - iv. A sufficient number of experienced heritage stone masons on staff dedicated to this project
 - v. Heavy Civil Specialist/Engineer
 - vi. Bridge Construction Supervisor
 - vii. Commercial divers; and
 - viii. Health and safety specialist
- d. Bidders must complete "Form No. 9 – Technical Support Team" included herein or a facsimile that includes all of the information contained therein. This form must be included as part of the bid submission in "Envelope One - QUALIFICATIONS."
- e. Engineers on the Bidders Support Team must be licensed to practice in the Province of Ontario
6. Bidders Information
- a. Each bidder must provide with their bid contact information for the General Contractor.
 - b. Where the Bidder plans on using Subcontractor to perform portions of the work, the Bidder must provide the SubContractor's information.
 - c. Bidders must complete the following forms, regardless if Subcontractors are being used, included herein or a facsimile that includes all the information contained therein. These forms must be included as part of the bid submission in "Envelope One - QUALIFICATIONS."
 - i. "Form 10A – Bidders Information"
 - ii. "Form 10B – Masonry Subcontractor Information"
 - iii. "Form 10C – Heavy Civil Subcontractor Information"
 - iv. "Form 10D – Sheet Pile/Secant Wall Subcontractor Information"
 - v. "Form 10E – Cofferdam and Temporary Dewatering Subcontractor Information"
 - vi. "Form 10F – General Concrete Work Subcontractor Information"
 - vii. "Form 10G – Bridge Subcontractor Information"
 - viii. "Form 10H – Piling Subcontractor Information"
 - ix. "Form 10I – Commercial Divers Information"
 - x. "Form 10J – General Acknowledgements"
7. Bidders must provide a letter from their stone supplier(s) / quarry(s) confirming the specified stone type, characteristics and quantities are available for each year of work.
8. PSPC will be the final and sole judge of compliance with the prequalifying requirements. It is possible that PSPC may request clarification but sufficient information must be submitted at the time of tender to satisfy PSPC that it is likely that the contractor has the necessary experience and that any clarifications requested after tenders are submitted are only to ensure and verify the correct interpretation of the submitted material. PSPC is under no obligation to ask for clarification and can eliminate the tenderer summarily with or without clarification.
9. Any staff changes after the submission of the tender will require written approval from the Departmental Representative, prior to any such change. All change submissions will require a formal written change request and approval by the departmental representative. Submission will include both the resume of the original designated individual and the proposed individual prior to substitution and prior to the original individual leaving or changing their role in the project in any way, including reducing availability, hours or access or taking on non-designated tasks. Qualifications and experience of the staff proposed for replacement must be equivalent or better than the staff identified in the evaluated bid documents.
- .1 Should proposed staff substitutions not be deemed to be equivalent or better at the sole discretion of the departmental representative than the staff originally identified two personnel shall be temporarily assigned the duties and departmental costs will be assessed in addressing the deficiency with both the additional cost of consulting time and departmental time charged to the contractor.

In the event that a bid is non-compliant with all mandatory qualifications and submissions, Envelope Two – PRICE, will be returned unopened.

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 1A – Bidder's Experience – Previous Stone Masonry Construction Project

Project One

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Company Name (include Subcontractor if used) _____

Role on this project (General Contractor or Subcontractor) _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work(include Heritage and/or Marine Heritage Stone Masonry Restoration and Pressure Grouting): _____

Final Completion Date: _____

Volume Cut/Placed Stone (m3): _____

Final Value of all Work: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

This is to certify that the Bidder acted as the Contractor who managed and executed the project referenced above. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 1B – Bidder's Experience – Previous Stone Masonry Construction Project

Project Two

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Company Name (include Subcontractor if used) _____

Role on this project (General Contractor or Subcontractor) _____

Title of Project Two: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work(include Heritage and/or Marine Heritage Stone Masonry Restoration and Pressure Grouting): _____

Final Completion Date: _____

Volume Cut/Placed Stone (m3): _____

Final Value of all Work: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

This is to certify that the Bidder acted as the Contractor who managed and executed the project referenced above. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 2 – Bidder's Experience – Heavy Civil Works Construction Project

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Company Name (include Subcontractor if used) _____

Role on this project (General Contractor or Subcontractor) _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of Heavy Civil Work: _____

Final Total Value Cost: _____

Name of Project Engineer: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

This is to certify that the Bidder acted as the Contractor who managed and executed the project referenced above. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 3 – Bidder's Experience – Cofferdam and Temporary Dewatering Construction Project

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Company Name (include Subcontractor if used) _____

Role on this project (General Contractor or Subcontractor) _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of Dewatering/ Cofferdam Work: _____

Final Total Value Cost _____

Name of Project Engineer: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

This is to certify that the Bidder acted as the Contractor who managed and executed the project referenced above. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 4 – Bidder's Experience – General Concrete Work Construction Project

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Company Name (include Subcontractor if used) _____

Role on this project (General Contractor or Subcontractor) _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of Concrete Work: _____

Final Total Value Cost _____

Name of Project Engineer: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

This is to certify that the Bidder acted as the Contractor who managed and executed the project referenced above. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 5 – Bidder's Experience – Bridge Construction Project including Permanent Piling Work.

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Company Name (include Subcontractor if used) _____

Role on this project (General Contractor or Subcontractor) _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of Bridge Work: _____

Name of Project Engineer: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

This is to certify that the Bidder acted as the Contractor who managed and executed the project referenced above. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 6A - Project Manager's Experience – Previous Construction Project #1

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Name of Project Manager: _____

Years of Experience in managing / overseeing masonry/construction projects _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Construction Years/ Final Completion Date: _____

Final Value of Work: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

Project Manager's C.V. also required with submission.

This is to certify that the Project Manager named above will act as project manager for this project. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 6B - Project Manager's Experience – Previous Construction Project #2

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Name of Project Manager: _____

Years of Experience in managing / overseeing masonry/construction projects _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Construction Years/ Final Completion Date: _____

Final Value of Work: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

Project Manager's C.V. also required with submission.

This is to certify that the Project Manager named above will act as project manager for this project. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 7A - Site Superintendent's Experience – Previous Construction Project #1

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Name of Site Superintendent: _____

Years of Experience overseeing Masonry
Projects _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Construction Years/ Final Completion Date: _____

Final Value of all Work: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

Site Superintendent's C.V. also required with submission.

This is to certify that the site superintendent named above will act as site superintendent for this PWGSC project. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 7B - Site Superintendent's Experience – Previous Construction Project #2

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Name of Site Superintendent: _____

Years of Experience overseeing Masonry
Projects _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Construction Years/ Final Completion Date: _____

Final Value of all Work: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

Site Superintendent's C.V. also required with submission.

This is to certify that the site superintendent named above will act as site superintendent for this PWGSC project. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 8A – Heritage Stone Masonry Lead’s Experience – Previous Masonry Project #1

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Name of Site Superintendent: _____

Years of Experience overseeing Masonry Projects _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Construction Years/ Final Completion Date: _____

Final Value of all Work: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

Site Superintendent’s C.V. also required with submission.

This is to certify that the heritage stone masonry lead named above will act as heritage stone masonry lead for this PWGSC project. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 8B – Heritage Stone Masonry Lead’s Experience – Previous Masonry Project #2

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

Name of Site Superintendent: _____

Years of Experience overseeing Masonry Projects _____

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Construction Years/ Final Completion Date: _____

Final Value of all Work: _____

Contact Name of Project Client: _____

Client E-mail address & Telephone: _____

Site Superintendent’s C.V. also required with submission.

This is to certify that the heritage stone masonry lead named above will act as heritage stone masonry lead for this PWGSC project. Please be advised PWGSC reserves the right to contact the person named above to verify the information contained herein.

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 9 – Bidder's Certification of the Technical Support Team

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

The Bidder hereby certifies that they will have a Technical Support Team to assist them with the project.

The Technical Support Team:

1. Has experience in the design and monitoring and protection existing structure and temporary works including but not limited to: pre condition surveys, heritage stone masonry techniques and methodology; stability assessments; shoring systems at excavations and other in-water dewatering systems; coffer dam design and installation; environmental controls (including erosion, sediment, dust, and noise and water diversion systems.); and
2. Has a minimum, but not limited to, the following key personnel:
 - i. Civil/structural Engineer;
 - ii. Environmental specialist;
 - iii. Qualified Surveyor;
 - iv. A sufficient number of experienced heritage stone masons on staff dedicated to this project;
 - v. Heavy Civil Specialist/Engineer
 - vi. Bridge Construction Supervisor;
 - vii. Commercial divers; and
 - viii. Health and safety specialist.
3. Engineers on the Bidders Support Team to be licensed to practice in the province of Ontario
4. The Technical Support Team will be available for the entire duration of the construction period

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10A – Bidder's Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN
ENVELOPE 1 - QUALIFICATIONS)

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10B – Masonry Subcontractor Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

This is to confirm that the General Contractor will or will not be doing the masonry work himself for the project. If the masonry work is being done by the General Contractor, the remainder of this form, apart from the signature below, is to be left blank

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10C – Heavy Civil Subcontractor Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

This is to confirm that the General Contractor will or will not be doing the Heavy Civil work himself for the project. If the Heavy Civil work is being done by the General Contractor, the remainder of this form, apart from the signature below, is to be left blank

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10D – Sheet Pile / Secant Wall Subcontractor Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

This is to confirm that the General Contractor will or will not be doing the Sheetpile / Secant Wall work himself for the project. If the Sheetpile / Secant Wall work is being done by the General Contractor, the remainder of this form, apart from the signature below, is to be left blank

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10E – Cofferdam and Temporary Dewatering Subcontractor Subcontractor Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN
ENVELOPE 1 - QUALIFICATIONS)

This is to confirm that the General Contractor will or will not be doing the Cofferdam and Temporary Dewatering work himself for the project. If the Cofferdam and Temporary Dewatering work is being done by the General Contractor, the remainder of this form, apart from the signature below, is to be left blank

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10F – General Concrete Work Subcontractor Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN
ENVELOPE 1 - QUALIFICATIONS)

This is to confirm that the General Contractor will or will not be doing the General Concrete work himself for the project. If the General Concrete work is being done by the General Contractor, the remainder of this form, apart from the signature below, is to be left blank

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10G – Bridge Subcontractor Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN ENVELOPE 1 - QUALIFICATIONS)

This is to confirm that the General Contractor will or will not be doing the Bridge work himself for the project. If the Bridge work is being done by the General Contractor, the remainder of this form, apart from the signature below, is to be left blank

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10H – Piling Subcontractor Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN
ENVELOPE 1 - QUALIFICATIONS)

This is to confirm that the General Contractor will or will not be doing the Bridge piling work himself for the project. If the Bridge piling work is being done by the General Contractor, the remainder of this form, apart from the signature below, is to be left blank

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS

FORM No. 10I – Commercial Divers Information

(THIS FORM OR A COPY IDENTICAL IN CONTENT & FORMAT, MUST BE INCLUDED IN
ENVELOPE 1 - QUALIFICATIONS)

This is to confirm that the General Contractor will or will not be doing the Diving work himself for the project. If the Diving work is being done by the General Contractor, the remainder of this form, apart from the signature below, is to be left blank

Company Name: _____

Full Address: _____

Telephone Number: _____

Fax Number: _____

E-mail Address: _____

Contact Name: _____

Title: _____

Firm's Main Field of Activity: _____

Name (printed)

Signature

APPENDIX 5 - QUALIFICATIONS FORMS
FORM No. 10J – General Acknowledgements

The Bidder hereby certifies that they have taken into consideration and have carefully reviewed the pertinent requirements of the tender documents (specifications and drawings and reference/appended/annexed documents) in the preparation of their tender submission including but not limited to the following:

- i. Shoring/Anchoring/Support Systems;
- ii. Dewatering/Cofferdam Systems;
- iii. All Environmental Procedures (including but not limited to turbidity control, monitoring, Environmental Management Plan, etc.);
- iv. Heating, Hoarding and Enclosure Systems;
- v. Contract Completion Date (with mobilization and demobilization every season to ensure navigation seasons are never obstructed/delayed)

Name (printed)

Signature

ANNEX A - CERTIFICATE OF INSURANCE (Not required at solicitation closing)
CERTIFICATE OF INSURANCE



Description and Location of Work	Contract No.
	Project No.

Name of Insurer, Broker or Agent	Address (No., Street)	City	Province	Postal Code
----------------------------------	-----------------------	------	----------	-------------

Name of Insured (Contractor)	Address (No., Street)	City	Province	Postal Code
------------------------------	-----------------------	------	----------	-------------

Additional Insured

Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services

Type of Insurance	Insurer Name and Policy Number	Inception Date D / M / Y	Expiry Date D / M / Y	Limits of Liability		
				Per Occurrence	Annual General Aggregate	Completed Operations Aggregate
Commercial General Liability Umbrella/Excess Liability				\$	\$	\$
				\$	\$	\$
Builder's Risk / Installation Floater				\$		
Pollution Liability				\$		Aggregate \$
				<input type="checkbox"/> Per Incident <input type="checkbox"/> Per Occurrence		

I certify that the above policies were issued by insurers in the course of their Insurance business in Canada, are currently in force and include the applicable insurance coverage's stated on page 2 of this Certificate of Insurance, including advance notice of cancellation / reduction in coverage.

Name of person authorized to sign on behalf of Insurer(s) (Officer, Agent, Broker)	Telephone number
Signature	Date D / M / Y

General

The insurance policies required on page 1 of the Certificate of Insurance must be in force and must include the insurance coverage listed under the corresponding type of insurance on this page.

The policies must insure the Contractor and must include Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services as an additional Insured.

The Policy shall be endorsed to provide the Owner with not less than 30 days' notice in writing in advance of any cancellation or change or amendment restricting coverage.

Without increasing the limit of liability, the policies must protect all insured parties to the full extent of coverage provided. Further, the policies must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

Commercial General Liability

The insurance coverage provided must not be substantially less than that provided by the latest edition of IBC Form 2100.

The policy must either include or be endorsed to include coverage for the following exposures or hazards if the Work is subject thereto:

- (a) Blasting.
- (b) Pile driving and caisson work.
- (c) Underpinning.
- (d) Removal or weakening of support of any structure or land whether such support be natural or otherwise if the work is performed by the insured contractor.

The policy must have the following minimum limits:

- (a) **\$5,000,000** Each Occurrence Limit;
- (b) **\$10,000,000** General Aggregate Limit per policy year if the policy contains a General Aggregate; and
- (c) **\$5,000,000** Products/Completed Operations Aggregate Limit.

Umbrella or excess liability insurance may be used to achieve the required limits.

Builder's Risk / Installation Floater

The insurance coverage provided must not be less than that provided by the latest edition of IBC Forms 4042 and 4047.

The policy must permit use and occupancy of any of the projects, or any part thereof, where such use and occupancy is for the purposes for which a project is intended upon completion.

The policy may exclude or be endorsed to exclude coverage for loss or damage caused by asbestos, fungi or spores, cyber and terrorism.

The policy must have a limit that is **not less than the sum of the contract value** plus the declared value (if any) set forth in the contract documents of all material and equipment supplied by Canada at the site of the project to be incorporated into and form part of the finished Work. If the value of the Work is changed, the policy must be changed to reflect the revised contract value.

The policy must provide that the proceeds thereof are payable to Canada or as Canada may direct in accordance with GC10.2, "Insurance Proceeds" (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R/R2900D/2>).

Contractors Pollution Liability

The policy must have a limit usual for a contract of this nature, but not less than **\$1,000,000** per incident or occurrence and in the aggregate.

Solicitation No. - N° de l'invitation
EQ754-190325

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
pwl037

Client Ref. No. - N° de réf. du client
R.079800.009

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

ANNEX C

Please contact the Contracting Officer, Ambreen Dhillon at ambreen.dhillon@pwgsc.gc.ca to obtain a copy of Annex "C" Video (CD) - Underwater video of Locks 39 and 42.