

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 Hamilton, ON - Burlington Lift Brid	
Solicitation No. - N° de l'invitation EQ754-150756/B	Date 2014-10-21
Client Reference No. - N° de référence du client r.012641.001	GETS Ref. No. - N° de réf. de SEAG PW-\$PWL-037-1972
File No. - N° de dossier PWL-4-37039 (037)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-11-18	
Time Zone Fuseau horaire Eastern Standard Time EST	
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) 590-8259 ()	FAX No. - N° de FAX (416) 512-5862
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Burlington Lift Bridge Beach Blvd Hamilton, ON L8H 6Z9	

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

Solicitation No. - N° de l'invitation

EQ754-150756/B

Amd. No. - N° de la modif.

File No. - N° du dossier

PWL-4-37039

Buyer ID - Id de l'acheteur

pw1037

CCC No./N° CCC - FMS No/ N° VME

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INVITATION TO TENDER

IMPORTANT NOTICE TO BIDDERS

REISSUE OF BID SOLICITATION

This bid solicitation cancels and supersedes previous bid solicitation number EQ754-150756/A dated with a closing of October 9, 2014 at 2pm. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

THIS DOCUMENT CONTAINS A SECURITY REQUIREMENT

For further instructions please consult "Special Instruction to Bidders", SI14, "Security related requirements" and "Supplementary Conditions" SC01 "Security related requirements, document safeguarding location".

TWO-ENVELOPE BID

This Bid shall be submitted following a "two-envelope" procedure. Refer to SI06 of the Special Instructions to Bidders.

SUPPORT THE USE OF APPRENTICES

Through Canada's Economic Action Plan 2013, the Government of Canada proposes to support the employment of apprentices in federal construction and maintenance projects. Refer to SI15.

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R2710T GENERAL INSTRUCTIONS TO BIDDERS - CONSTRUCTION SERVICES - BID SECURITY REQUIREMENTS (GI) (2014-06-26)

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
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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 SI06 'Submission of Bid'). The bid will cover not only the qualifications, experience and organization of the Bidder (Envelope 1 - Qualifications), but also the pricing and terms offered (Envelope 2 - Price).

SI02 INTEGRITY PROVISIONS - ASSOCIATED INFORMATION

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in GI01 of Integrity Provisions - Bid of General Instructions – Construction Services – Bid Security Requirements, R2710T. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

SI03 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 (2014-06-26)
 - 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>

SI04 ENQUIRIES DURING THE SOLICITATION PERIOD

1. Enquiries regarding this bid must be submitted in writing to the Contracting Officer named on the Invitation to Tender - Page 1 as early as possible within the solicitation period. Except for the approval of alternative materials as described in GI15 of R2710T, enquiries should be received no later than five (5) calendar days prior to the date set for solicitation closing to allow sufficient time to provide a response. Enquiries received after that time may not result in an answer being provided.

2. To ensure consistency and quality of the information provided to Bidders, the Contracting Officer shall 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 are to be directed ONLY to the Contracting Officer named on the Invitation to Tender - Page 1. Failure to comply with this requirement may result in the bid being declared non-responsive.

SI05 OPTIONAL SITE VISIT/ BIDDERS' CONFERENCE

1. Non-mandatory Site Visit

There will be a site visit on November 5, 2014 at 10am. Interested bidders are to meet at the Parking Area, adjacent to the bridge, Burlington Canal Vertical Lift Bridge in Hamilton, Ontario.

Mandatory health and safety protection is to be worn by visitors.

2. Bidders' Conference

A bidders' conference will be held at Burlington Lift Bridge on November 5, 2014. The bidders' conference will begin immediately following the site visit.

The scope of the requirement outlined in the bid solicitation will be reviewed during the conference and questions will be answered. It is recommended that bidders who intend to submit a bid attend or send a representative.

Bidders are requested to communicate with the Contracting Authority before the conference to confirm attendance. Bidders should provide, in writing, to the Contracting Authority, the names of the person(s) who will be attending and a list of issues they wish to table at least 2 working days before the scheduled conference.

Any clarifications or changes to the bid solicitation resulting from the bidders' conference will be included as an amendment to the bid solicitation.

SI06 SUBMISSION OF BID

Section GI09 of R2710T is replaced by the following:

1. The bid shall be submitted following a "two-envelope" procedure in which the Bidder submits the Qualifications Form and any required associated document(s) in envelope 1 and the Bid and Acceptance Form and any required associated document(s) in a envelope 2. 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. Prior to submitting the bid, 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, 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 2 - PRICE;
 - b. Solicitation Number; and
 - c. Name of Bidder.
5. Timely and correct delivery of bids is the sole responsibility of the Bidder.

SI07 REVISION OF BID

A bid may be revised by letter or facsimile in accordance with GI10 of R2710T "General Instructions to Bidders". The facsimile number for receipt of revisions is (416) 512-5862.

SI08 OPENING OF BIDS / EVALUATION

1. There will be no public opening at bid deposit time. A list of bidders that deposited their tenders will be read out loud
2. Envelope 1 - Qualifications - will be opened in private : 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 unopened to the bidder.

3. A date will be established for envelope 2 opening - Price - the bidders that passed the qualification stage will be invited.
4. Envelope 2 - Price: Only those envelopes from Bidder's that meet the mandatory requirements of the Qualifications shall be opened. Envelope 2 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.
5. The responsive bid carrying the lowest price will be recommended for contract award.

SI09 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.

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 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 shall have the option to either accept or reject the proposed extension.
2. If the extension referred to in paragraph 1. of SI12 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. of SI12 is not accepted in writing by all those who submitted bids then Canada shall, 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 paper copy of the sealed and signed drawings, the specifications and the amendments upon acceptance of the offer. Additional copies, up to a maximum of two (2) will be provided free of charge upon request by the Contractor. Obtaining more copies shall be the responsibility of the Contractor including costs.

SI13 SECURITY RELATED REQUIREMENTS

1. **At bid closing, the Bidder must hold a valid Security Clearance** as indicated in section SC01 of the Supplementary Conditions. Failure to comply with this requirement will render the Bid non-compliant and no further consideration will be given to the Bid.
2. The Successful Bidder's personnel, as well as any subcontractor and its personnel, who are required to perform any part of the work pursuant to the subsequent contract must meet the mandatory security requirement as indicated in section SC01 of the Supplementary Conditions. **Individuals who do not have the required level of security will not be allowed on site.** It is the responsibility of the successful bidder to ensure that the security requirements are met throughout the performance of the contract. Canada will not be held liable or accountable for any delays or additional costs associated with the successful bidder's non-compliance with the mandatory security requirement.
3. For additional information on security requirements, bidders should consult the "Security Requirements for PWGSC Bid Solicitations - Instructions for Bidders" on the Standard Procurement Documents Web site [Industrial Security Program](#)

SI14 PUBLIC WORKS AND GOVERNMENT SERVICES CANADA AND DEFENCE CONSTRUCTION CANADA APPRENTICE PROCUREMENT INITIATIVE

1. To encourage employers to participate in apprenticeship training, Contractors 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. In Economic Action Plan (EAP) 2013, 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. Through the Economic Action Plan 2013 and support for training programs, 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 (Appendix 5) 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 ratios¹ 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 at Appendix 5.

If you accept fill out and sign Appendix 5

¹ *The journeyman-apprentice ratio is defined as the number of qualified/certified journeymen 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.*

SI15 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#apL>

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.pdf>

Labour and Material Payment Bond (form PWGSC-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/index-eng.html>

PWGSC Consent to a Criminal Record Verification (PWGSC-TPSGC 229)
<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/229.pdf>

Construction and Consultant Services Contract Administration Forms Real Property Contracting
<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>

SUPPLEMENTARY CONDITIONS (SC)

SC01 SECURITY REQUIREMENTS

The following security requirement (SRCL and related clauses) applies and form part of the

Contract. SECURITY REQUIREMENT FOR CANADIAN SUPPLIER:

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by CISD/PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:
 - (a) Security Requirements Check List and security guide, attached at Annex A
 - (b) Industrial Security Manual (Latest Edition).

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 acceptance of its bid, 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.

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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.

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	(2014-06-26);
GC2	Administration of the Contract	R2820D	(2014-06-26);
GC3	Execution and Control of the Work	R2830D	(2014-03-01);
GC4	Protective Measures	R2840D	(2008-05-12);
GC5	Terms of Payment	R2850D	(2014-06-26);
GC6	Delays and Changes in the Work	R2860D	(2013-04-25);
GC7	Default, Suspension or Termination of Contract	R2870D	(2008-05-12);
GC8	Dispute Resolution	R2880D	(2012-07-16);
GC9	Contract Security	R2890D	(2014-06-26);
GC10	Insurance	R2900D	(2008-05-12);
	Allowable Costs for Contract Changes Under GC6.4.1	R2950D	(2014-06-26);
	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
 - 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.

BID AND ACCEPTANCE FORM (BA)

BA01 IDENTIFICATION

Project Title: Hamilton, Ontario - Replacement of Controls, Drives and Overhead Cables

Project No.: R.012641.001

BA02 BUSINESS NAME AND ADDRESS OF BIDDER

Name: _____

Address: _____

Telephone: _____ Fax: _____ PBN: _____

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 shall not be withdrawn for a period of (thirty) [30] days following the date of solicitation closing.

BA05 ACCEPTANCE AND CONTRACT

Upon acceptance of the Contractor's offer by Canada, a binding Contract shall be formed between Canada and the Contractor. The documents forming the Contract shall be the contract documents identified in Contract Documents (CD).

BA06 CONSTRUCTION TIME

The portion of the Work required for the Burlington Lift Bridge to be operational must be completed prior to March 28, 2016. In order not to impede marine traffic, the replacement and other work which requires extended periods of bridge closure shall only be carried out during the scheduled navigation shutdown periods which extend generally between January 1 up to March 20 of each calendar year. Please see Attachment 003 for communication regarding the Project Schedule.

The Contractor shall perform and complete the Work in two phases from the date of notification of acceptance of the offer as follows:

Phase I Completion:

Comprises of the replacement of controls, drives and overhead cables including but not limited to the testing and commissioning of the bridge and carrying out all necessary pre-operational works as specified and ensuring that the bridge is made ready for operation to service the public as intended.

Phase II Completion :

1. Verification and testing of the Bridge operating system starting the March 20 up to April 2, 2016 and
2. Provision of technical and professional support to PWGSC operating staff during the 60-day trial period of the navigation season and as required for the adequate bridge operation starting on April 3, 2016 up to June 2, 2016. At the successful conclusion of the trial period, this will be considered as the Phase II Completion.

Substantial Completion:

At the successful conclusion of Phase II Completion, the Substantial performance will be considered as achieved. Contractor shall apply for and the Departmental Representative will issue the Certificate of Completion.

- a. The Phase I Pre-Operational Work (as defined in BA06) shall be deemed to be completed on the date the Burlington Lift Bridge is first operational using the main drive systems and not relying on the auxiliary drive system as verified by the Departmental Representative. The auxiliary drive system may be used to operate the lift span for up to 14 days after March 28, 2016 and for periodic operations during Phase II to allow for repairs or maintenance without incurring assessments and damages for late completion.
- b. the Work, apart from the Phase I Pre-Operational Work, shall be deemed to be completed on the date of the Certificate of Completion; and
- c. the "period of delay" means the number of days commencing on the day fixed for completion of the Phase I Pre-Operational Work or the Work and ending on the day immediately preceding the day on which the Phase I Pre-Operational Work or the Work is completed but does not include any day within a period of extension granted pursuant to GC6.5, "Delays and Extension of Time", and any other day on which, in the opinion of Canada, completion of the Phase I Pre-Operational Work or the Work was delayed for reasons beyond the control of the Contractor.

The Contractor shall perform and complete the Work within Six hundred and eleven (611) calendar days from the date of notification of acceptance of the offer.

BA07 BID SECURITY

The Bidder is enclosing 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 (Page 1 of 2)

- 1) The prices per unit shall 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

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 GST / HST

UNIT PRICE TABLE

The Unit Price Table designates Work to which a Unit Price Arrangement applies.

- (a) Work included in each item is as described in the referenced specification section.
 (b) The Price per Unit shall not include any amounts for Work that is not included in that unit price Item.

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity EQ	Price per Unit PU	Estimated Total Price EQxPU GST/HST extra
1	02 41 00	Structural Demolition: Concrete and Masonry	kg	90,750		
2	02 41 00	Structural Demolition: Steel	kg	1,814		
3	02 41 00	Structural Demolition: Other Metals	kg	1,814		
4	02 41 00	Structural Demolition: Miscellaneous Components	kg	950		
5	02 82 00	Asbestos Abatement of Vinyl Floor Tiles	m ²	186		
6	02 82 00	Asbestos Abatement of Electrical Cable	kg	475		
7	02 83 10	Lead Abatement	m ²	37		
8	03 20 00	Reinforcement Steel	kg	4,500		
9	03 30 11	Concrete for Gate Supports and Platforms	m ³	35		
10	03 30 11	Concrete for Curbing	m	63		
11	03 30 11	Concrete for Sidewalk	m ²	80		
12	03 30 11	Concrete for Deck Slab	m ³	3		
13	05 12 00	Steel	kg	3,100		
14	05 50 01	Guard Rail	m	65		
15	07 46 19	Siding	m ²	4		
16	07 46 19	Composite Wall	m ²	15		

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity EQ	Price per Unit PU	Estimated Total Price EQxPU GST/HST extra
17	09 91 00	Paint	m ²	30		
18	11 12 33	Demolition of Traffic Gates	ea	2		
19	11 12 33	Demolition of Barrier Gates	ea	2		
20	11 12 33	Demolition of Barrier and Pedestrian Gates	ea	2		
21	11 12 33	Spare Parts For Gates – Composite Set	ea	1		
22	26 05 19	Demolition of Existing Wiring	m	1,637		
23	26 05 19.23	Demolition of Aerial Cable Assembly	m	1,829		
24	26 05 81	Span Drive Motor (Spare)	ea	1		
25	26 05 81	Encoder (Spare)	ea	1		
26	26 09 17	PLC CPU (Spare)	ea	1		
27	26 09 17	Spare I/O Cards-Composite Set	ea	1		
28	26 09 17	Fully Seated Limit Switch (Spare)	ea	1		
29	26 09 17	Over-speed Switch (Spare)	ea	1		
30	26 09 17	Bridge Control System Spare Parts – Composite Set	ea	1		
31	26 29 23	Variable Frequency AC Motor Drive (Spare)	ea	1		
32	31 00 99	Excavation	m ³	88		
33	31 00 99	Backfill	m ³	80		
34	31 00 99	Excavation Shoring	m ²	125		
35	31 00 99	Grading and Restoration	m ²	450		
36	34 81 23	Spare Differential Locking/Unlocking Electrical Actuator	ea	2		
TOTAL EXTENDED AMOUNT (TEA) Excluding GST / HST						

TOTAL BID AMOUNT

TOTAL BID AMOUNT (LSA +TEA) Excluding GST / HST

APPENDIX 2 - QUALIFICATIONS FORM MANDATORY QUALIFICATIONS AND SUBMISSIONS

1. Each Bidder must provide with their bid information related to the Contractor's Information. Bidders must complete the forms included herein or a facsimile, that includes all of the information contained therein. These forms must be included as part of the bid submission in "Envelope One - QUALIFICATIONS"

2. MOVABLE BRIDGE CONSTRUCTION SPECIALIST

This function may consist of one or two individuals each having the requisite experience, and may alternate on-site duties- only one of whom is required to be on-site at a given time as defined herein. Duties on this project are identical to the duties defined for "movable bridge construction experience" below.

Movable Bridge Construction Specialist : Movable bridge construction experience is defined as follows:

Responsible for coordinating the mechanical, electrical and structural tasks of a movable bridge during a major rehabilitation or new bridge construction. Managing and coordinating the on-site integration of the electrical control system with the electrically operated equipment and mechanical systems. Responsible for balancing the vertical lift span and coordinating functional testing of each of the bridge operating systems.

Each bidder must provide with their bid a certification that their Movable Bridge Construction Specialist which will be assigned to this project will be in charge of the work on daily basis with the authority to make final decisions to fulfill the requirements of the contract documents and will:

- i. Have a minimum of ten (10) years experience in movable bridge construction including a minimum of two (2) tower driven vertical lift bridges, or one (1) tower driven vertical lift bridge and one (1) span driven vertical lift bridge, or one (1) tower driven vertical lift bridge and a two (2) leaf bascule bridge all with electronic drives in the past twelve (12) years.
- ii. Be on-site full time when critical field activity related to the contract is taking place. Critical field activities include, but are not limited to: site delivery of all major equipment; traffic gate and barrier demolition, construction, and installations; setting up traffic control and traffic maintenance systems; the bridge winter outages when construction activity is on-going; and start-up, commissioning, and testing (excluding the trial period)- except when witnessing factory fabrication, fittings, and testing.
- iii. Be on-site to manage the integration of the electrical control system with the electrically operated equipment.
- iv. Whenever a Movable Bridge Construction Specialist is not on-site, a full time on-site construction manager or general foreman shall be required at all times starting two (2) weeks prior to delivery of any mechanical or electrical equipment to the site.

Form No. 2 – Movable Bridge Construction Specialist

Bidders must complete the form included herein or a facsimile, that includes all the information contained therein. This form must be included as part of the bid submission in "Envelope One - QUALIFICATIONS."

3. BRIDGE CONTROL SYSTEM INTEGRATOR

This function may consist of one or two individuals each having the requisite experience, and may alternate on-site duties- only one of whom is required to be on-site at a given time as defined herein. Duties on this project are identical to the duties defined for "bridge control system integration experience" below.

Bridge Control System Integrator: "Bridge control system integration experience" is designed as follows:

"Directing or performing control system and motor drive tasks of a movable bridge during a major rehabilitation or a new bridge construction. Directing or performing the off-site and on-site integration of the electrical control system and motor drives with the electrically operated equipment and mechanical systems. Responsible for performing functional testing of each of the bridge operating control systems and motor drive systems".

Each bidder must provide with their bid a certification that their Bridge Control System Integrator which will be assigned to this project will be in charge of the work with the authority to make final decisions to fulfill the requirements of the contract documents and will:

- i. Have a minimum of ten (10) years experience in movable bridge construction. Experience must include the detailed design of electrical control systems for a minimum of two (2) tower driven vertical lift bridges, or one (1) tower driven vertical lift bridge and one (1) span driven vertical lift bridge, or one (1) tower driven vertical lift bridge and a two (2) leaf bascule bridge all with electronic drives in the past twelve (12) years similar in type and configuration to that required for this project. At least one (1) design includes incorporating the same type of span motion control technique specified for this project.
- ii. Be the Contractor's sole representative for the integration of the electrical power and control systems with the mechanical components into a single bridge operating system.
- iii. Be responsible for the detailed design, development, and coordination of the completed assemblies including the Motor Control Centres, vector controlled pulse width modulated motor drives, motor controllers, the control panel, the control console, and programming of the control panel, with the mechanical operating equipment.
- iv. Be on-site full time, starting one (1) week prior to delivery of any control system equipment to the site except when witnessing factory fabrication and testing.
- v. Be on-site full time when critical field activity related to the contract is taking place. Critical field activities include, but are not limited to: site delivery of all control system equipment; testing and commissioning control systems including temporary controls; the bridge winter outages when construction activity is on-going; and start-up, commissioning, and testing (excluding the trial period)- except when witnessing factory fabrication and testing.
- vi. Whenever a Bridge Control System Integrator is not on-site, a full time on-site construction manager or general foreman shall be required at all times starting two (2) weeks prior to delivery of any mechanical or electrical equipment to the site.

Form No. 3 - Bridge Control System Integrator

Bidders must complete the form 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."

4. SYSTEM COMMISSIONING ADMINISTRATOR

This function may consist of one or two individuals each having the requisite experience, and may alternate on-site duties- only one of whom is required to be on-site at a given time as defined herein.

System Commissioning Administrator: Movable bridge commissioning experience is defined as follows:

Responsible for coordinating and managing start-up and commissioning activities for movable bridge operating systems during a major rehabilitation or new bridge construction.

Each bidder must provide with their bid a certification that their Systems Commissioning Administrator which will be assigned to this project will:

- i. Have a minimum of ten (10) years of experience in the commissioning of a minimum of two (2) tower driven vertical lift bridges, or one (1) tower driven vertical lift bridge and one (1) span driven vertical lift bridge, or one (1) tower driven vertical lift bridge and a two (2) leaf bascule bridge all with electronic drives in the past fifteen (15) years similar in type and configuration to that required for this project. Experience must include commissioning of bridge electrical power distribution systems, bridge control system and bridge mechanical drive system.
- ii. Be fully responsible for scheduling, coordination and supervision of the commissioning activities during construction, acceptance, and post-acceptance stages.
- iii. Be fully dedicated to the project and on-site full time for the start-up and commissioning of all major equipment and systems. Start-up and commission activities include, but are not limited to: traffic gate and barrier commissioning (temporary and final commissioning if applicable); bridge winter outages starting three (3) weeks prior to the scheduled start of on-site commissioning activities; and during start-up, commissioning, and testing (excluding the trial period).
- iv. The Movable Bridge Construction Specialist or the Bridge Control System Integrator may serve as the System Commissioning Administrator, if qualified.

Form No 4 - System Commissioning Administrator

Bidders must complete the form 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."

5. HEAVY MACHINERY SPECIALIST

This function may consist of one or two individuals each having the requisite experience, and may alternate on-site duties- only one of whom is required to be on-site at a given time as defined herein.

Each bidder must provide a Heavy Machinery Specialist. The Heavy Machinery Specialist will be the contractor's sole representative for the integration of the mechanical systems. The specialist will be on-site and responsible for removal of the existing main drive machinery and main drive motors. The specialist will be on-site and responsible for the delivery, installation, alignment, field testing and commissioning of the new drive system machinery and motors. Each bidder must provide with their bid a certification that their Heavy Machinery Specialist which will be assigned to the project will:

- i. Have a minimum of ten (10) years experience in the installation and adjustment of heavy machinery in the past fifteen (15) years.
- ii. Have experience in at least four (4) movable bridge machinery jobs. Experience must include performing installation, shimming and alignment of machinery.
- iii. Have at least two (2) jobs related to the main drive system of a movable bridge and one (1) job must be related to the main drive system of a tower driven vertical lift bridge. Experience must include directing and performing installation, shimming and alignment of motors, brakes and gearboxes.
- iv. Be on-site for removal of the existing main drive machinery, machinery supports, and main drive motors. Be on-site for the delivery, staging, installation, alignment, field testing and commissioning of the drive system machinery, machinery supports, and motors.
- v. Perform shop inspections as necessary to insure compliance with the contract documents. Witness shop testing of the gearboxes and brakes. Perform shop inspections of the machinery supports prior to shipment from the fabricator. Witness shop installation of keys, coupling hubs, and brake wheels to their respective shafts.

Form No 5 - Bidder's Heavy Machinery Specialist

Bidders must complete the form 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."

6. HEAVY MACHINERY MECHANICS

Each bidder must provide on-site two (2) Lead Heavy Machinery Mechanics for the removal, installation, alignment, field testing and commissioning of the mechanical systems. The Lead Mechanics must be thoroughly familiar with the requirements and methods required for the proper execution of the work. Each bidder must provide with their bid a certification that their Lead Mechanics which will be assigned to this project will:

- i. Have a minimum of five (5) years experience in the installation and adjustment of heavy industrial machinery in the past ten (10) years.
- ii. Have experience in at least two (2) movable bridge machinery jobs. Experience must include performing installation, shimming and alignment of machinery.
- iii. Have at least one (1) job related to the main drive system of a movable bridge and Experience must include directing and performing installation, shimming and alignment of motors, brakes and gearboxes.

Form No 6 - Bidder's Heavy Machinery Mechanics

Bidders must complete the form 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."

7. HEAVY MACHINERY MANUFACTURERS

Products used for this project must be fabricated by manufacturers regularly engaged in the manufacture of the specified products. Each bidder must provide with their bid a certification that the manufacturer which will be assigned to the project will:

- i. Have a minimum of ten (10) years experience in the fabrication of similar materials for similar applications. Experience must include equipment of equivalent size for heavy industrial applications.
- i. Gearbox, brake, coupling and motor manufacturers must have supplied equipment of equivalent size for at least six (6) movable bridge applications.
- ii. Weldment and shaft manufacturers must have supplied materials of equivalent size for at least eight (8) heavy industrial applications.

Form No 7 - Bidder's Heavy Machinery Manufacturers

Bidders must complete the form 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"

8. BRIDGE CONTROL SYSTEM SUPPLIER

The bridge control system used for this project must be fabricated, assembled, and programmed by a single manufacturer or supplier regularly engaged in the supply of the specified products as applied to movable bridge operating systems. Each bidder must provide with their bid a certification that the supplier which will be assigned to the project will:

- i. Have a minimum of ten (10) years experience in the fabrication and commissioning of similar materials and equipment for similar applications including vertical lift movable bridges. Experience must include equipment of equivalent size for movable bridge applications.
- ii. Supplier must have supplied and made operational equipment of equivalent type and size for least three (3) movable bridge applications.
- iii. Supplier must have supplied and made operational equipment of the same type of span motion control technique specified for this project for least two (2) movable bridge applications.

Form No 8 - Bidder's Control System Supplier

Bidders must complete the form 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"

Appendix 3- Qualification Forms

General

For each position, submit documentation of previous experience for verification and approval. Include a brief description of each project, the owner and contact person's name and current phone number for each project listed.

Any Bid that fails to submit the required information or fails to meet any of the mandatory qualifications above shall be declared non-compliant and shall receive no further consideration. "Envelope Two - PRICE", shall be returned unopened, for any bid declared non-compliant.

APPENDIX 3 - QUALIFICATIONS FORM

**FORM NO. 2A
MOVABLE BRIDGE CONSTRUCTION SPECIALIST
PROJECT ONE**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Type of Work (please select one of the following):

Tower Driven Vertical Lift Bridge
Span Driven Vertical Lift Bridge
Leaf Bascule Bridge

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Movable Bridge Construction Specialist: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Movable Bridge Construction Specialist for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Movable Bridge Construction Specialist : _____

Signature

FORM NO. 2B
MOVABLE BRIDGE CONSTRUCTION SPECIALIST
PROJECT TWO

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Type of Work (please select one of the following):

Tower Driven Vertical Lift Bridge
Span Driven Vertical Lift Bridge
Leaf Bascule Bridge

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Movable Bridge Construction Specialist: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Movable Bridge Construction Specialist for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Movable Bridge Construction Specialist : _____

Signature

**FORM NO. 3A
BRIDGE CONTROL SYSTEM INTEGRATOR
PROJECT ONE**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Type of Work (please select one of the following):

Tower Driven Vertical Lift Bridge
Span Driven Vertical Lift Bridge
Leaf Bascule Bridge

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Bridge Control System Integrator: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Bridge Control System Integrator for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Bridge Control System Integrator : _____

Signature

**FORM NO. 3B
BRIDGE CONTROL SYSTEM INTEGRATOR
PROJECT TWO**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Type of Work (please select one of the following):

Tower Driven Vertical Lift Bridge
Span Driven Vertical Lift Bridge
Leaf Bascule Bridge

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Bridge Control System Integrator: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Bridge Control System Integrator for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Bridge Control System Integrator : _____

Signature

**FORM NO. 4A
SYSTEM COMMISSIONING ADMINISTRATOR
PROJECT ONE**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Type of Work (please select one of the following):

Tower Driven Vertical Lift Bridge
Span Driven Vertical Lift Bridge
Leaf Bascule Bridge

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of System Commissioning Administrator: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the System Commissioning Administrator for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a System Commissioning Administrator: _____

Signature

FORM NO. 4B
SYSTEM COMMISSIONING ADMINISTRATOR
PROJECT TWO

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Type of Work (please select one of the following):

Tower Driven Vertical Lift Bridge
Span Driven Vertical Lift Bridge
Leaf Bascule Bridge

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of System Commissioning Administrator: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the System Commissioning Administrator for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a System Commissioning Administrator: _____

Signature

**FORM NO. 5A
HEAVY MACHINERY SPECIALIST
PROJECT ONE**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Heavy Machinery Specialist: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Heavy Machinery Specialist for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Heavy Machinery Specialist: _____

Signature

**FORM NO. 5B
HEAVY MACHINERY SPECIALIST
PROJECT TWO**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Heavy Machinery Specialist: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Heavy Machinery Specialist for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Heavy Machinery Specialist: _____

Signature

**FORM NO. 5C
HEAVY MACHINERY SPECIALIST
PROJECT THREE**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Heavy Machinery Specialist: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Heavy Machinery Specialist for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Heavy Machinery Specialist: _____

Signature

**FORM NO. 5D
HEAVY MACHINERY SPECIALIST
PROJECT FOUR**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Heavy Machinery Specialist: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Heavy Machinery Specialist for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Heavy Machinery Specialist: _____

Signature

**FORM NO. 6A
HEAVY MACHINERY MECHANICS
PROJECT ONE**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Heavy Machinery Mechanic: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Heavy Machinery Mechanic for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Heavy Machinery Mechanic: _____

Signature

**FORM NO. 6B
HEAVY MACHINERY MECHANICS
PROJECT TWO**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Heavy Machinery Mechanic: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Heavy Machinery Mechanic for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Heavy Machinery Mechanic: _____

Signature

**FORM NO. 7A
HEAVY MACHINERY MANUFACTURERS
PROJECT ONE**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Heavy Machinery Manufacturer: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Heavy Machinery Manufacturer for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Heavy Machinery Manufacturer: _____

Signature

**FORM NO. 8A
BRIDGE CONTROL SYSTEM SUPPLIER
PROJECT ONE**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Bridge Control System Supplier: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Bridge Control System Supplier for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Bridge Control System Supplier: _____

Signature

**FORM NO. 8B
BRIDGE CONTROL SYSTEM SUPPLIER
PROJECT TWO**

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

Title of Project: _____

Name and Location of Work: _____

Municipality and Province: _____

Description of Work: _____

Final Completion Date: _____

Final Value of all Work: _____

Name of Bridge Control System Supplier: _____

Telephone: _____

Contact Name of Project Client: _____

E-mail address & Telephone: _____

This is to certify that we acted as the Bridge Control System Supplier for the project referenced above

Signature

Experience Certification (for individual identified above):

Total number of years experience as a Bridge Control System Supplier: _____

Signature

APPENDIX 4 - VOLUNTARY CERTIFICATION TO SUPPORT THE USE OF APPRENTICES

Note; The contractor will be asked to fill out a report every six months as included a Annex C

Name: _____

Signature: _____

Company Name: _____

Company Legal Name: _____

Solicitation Number: _____

Optional information to provide: _____

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

Trades of those apprentices: _____

A sample of the "Voluntary Reports for Apprentices Employed during the Contract" is provided at Annex C

ANNEX A - SECURITY REQUIREMENT CHECK LIST (SRCL)

See attached.

ANNEX B- CERTIFICATE OF INSURANCE

See attached.

