



**RETURN BIDS to:  
RETOURNER LES SOUMISSIONS à :**

[DFO.tenders-soumissions.MPO@dfo-mpo.gc.ca](mailto:DFO.tenders-soumissions.MPO@dfo-mpo.gc.ca)

CC to

John Gordon  
Email Address: [john.gordon@dfo-mpo.gc.ca](mailto:john.gordon@dfo-mpo.gc.ca)

Bid documents and bid security received by fax will not be accepted.

**INVITATION TO TENDER  
APPEL D'OFFRES**

Proposal to: Fisheries and Oceans Canada

We hereby offer to sell to His Majesty the King in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Proposition à : Pêches et Océans Canada

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

<b>Title / Titre</b> LL123 Lancaster Range Demolition D50	
<b>Solicitation No. / N° de l'invitation</b> 30003399	<b>Date :</b> February 23, 2023
<b>Client Reference No. / No. de référence du client(e)</b> 30003399	
<b>Solicitation Closes / L'invitation prend fin</b> <b>At / à :</b> 14 :00 EST (Eastern Standard Time / HAE (Heure Avancée de l'Est) ou HNE (Heure Normale de l'Est) <b>On / le :</b> March 20, 2023	
<b>F.O.B. / F.A.B.</b> Destination	
<b>Address Inquiries to : / Adresser toute demande de renseignements à :</b>  John Gordon, Senior Contracting Officer <b>Telephone No. – No. De téléphone :</b> 403-809-9785 <b>Email / Courriel:</b> <a href="mailto:john.gordon@dfo-mpo.gc.ca">john.gordon@dfo-mpo.gc.ca</a>	
<b>Destination of Goods, Services, and Construction / Destination des biens, services, et construction</b> Lancaster, Ontario	

**TO BE COMPLETED BY THE BIDDER** (type of print)

**A ÊTRE COMPLÉTER PAR LE SOUMISSIONNAIRE** (taper ou écrire en caractères d'imprimerie)

<b>Vendor Name, Address and Representative / Nom du vendeur, adresse et représentant du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. / No. de téléphone</b>	
<b>Name and title of person authorized to sign on behalf of Vendor (type or print) / Nom et titre de la personne autorisée à signer au nom du fournisseur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>



## INVITATION TO TENDER

LL123 Lancaster Range Demo  
Lancaster, Ontario

### **IMPORTANT NOTICES TO BIDDERS**

**Please be advised that Fisheries and Oceans Canada (DFO) will be accepting Bid Bonds in Digital Bid Bond Format.**

**These Digital Bid Bonds will need to be in an electronically verifiable/enforceable format. It is important to note that a scanned and uploaded copy of a paper Bid Bond is not a Digital Bid Bond.**

**All bid bonds must be irrevocable and open for bid acceptance for the time period outlined in the Bid Document.**

All references to the Department of Public Works & Government Services Canada (PWGSC) in the instructions, general terms, conditions and clauses identified in the Invitation to Tender (ITT) by number, date and title, are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) are to be replaced with Fisheries and Oceans Canada (DFO).

### **LISTING OF SUBCONTRACTORS**

Take note that R2710T, GI07 "Listing of Subcontractors and Suppliers" has been amended. See SI13 of the Special Instructions

### **INTEGRITY PROVISIONS - BID**

Changes have been made to the Integrity Provisions – Bid. Refer to section [GI01](#) of the General Instructions.

### **BID SUBMITTAL**

The maximum size per email (including attachments) is limited to 10MB. If the limit is exceeded, your email might not be received by DFO. It is suggested that you compress the email size to ensure delivery. Bidders are responsible to send their proposal and to allow enough time for DFO to receive the proposal by the closing period indicated in the ITT. Emails with links to bid documents will **not** be accepted.

For bids transmitted by email, DFO will not be responsible for any failure attributable to the transmission or receipt of the email bid. DFO will send a confirmation email to the Bidders when the submission is received.



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### **GENERAL INSTRUCTIONS - CONSTRUCTION SERVICES - BID SECURITY REQUIREMENTS - [R2710T](#)** **(2022-12-01)**

The following GI's are included by reference and are available at the following Web Site:

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

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

### SI01 INTRODUCTION

1. Fisheries and Oceans Canada (DFO) 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 [GI09](#) 'Submission of Bid'.
3. Point 1 of Article GI09 of [R2710T](#) (2022-12-01) is replaced by the following:
  1. The Bid and Acceptance Form, duly completed, and the bid security shall be submitted to the email address(es) designated on the Front Page "Invitation to Tender" for the receipt of bids. The bid must be received on or before the date and time set for solicitation closing.

### 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](#) (2022-12-01);
  - d. Clauses & Conditions identified in "[Contract Documents](#)";
  - e. Drawings and Specifications;
  - f. Bid and Acceptance Form and related Appendices; 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](#) (2022-12-01) are 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>
3. Bid documents and bid security must be submitted by email or mail to the address(es) and by the time indicated on the cover page. Documents received by fax will not be accepted. Bid Security must be submitted as per GI08 "Bid Security Requirements". No scanned copies or photocopies will be accepted.
4. A bid bond may be submitted in a digital format if it meets the following criteria:
  - 4.1. The version submitted by the Bidder must be verifiable by DFO with respect to the totality and wholeness of the bond form, including: the content; all digital signatures; all digital seals; with the Surety Company, or an approved verification service provider of the Surety Company.
  - 4.2. The version submitted must be viewable, printable and storable in standard electronic file formats acceptable to DFO, and in a single file. Allowable formats include digital pdf.
  - 4.3. The verification may be conducted by DFO immediately or at any time during the life of the bond and at the discretion of DFO with no requirement for passwords or fees.
  - 4.4. The results of the verification must provide a clear, immediate and printable indication of pass or fail regarding Item 4.1.

Bonds failing the verification process will NOT be considered to be valid.

Bonds passing the verification process will be treated as original and authentic.



### SI03 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 - Approval of alternative materials of [R2710T](#) (2022-12-01), General Instructions - Construction Services - Bid Security Requirements, enquiries should be received no later than 7 business days prior to the date set for solicitation closing to allow sufficient time to provide a response. Enquiries received after that time may not result in an answer being provided.
2. To ensure consistency and quality of the information provided to Bidders, the Contracting Officer will examine the content of the enquiry and will decide whether or not to issue an amendment.
3. All enquiries and other communications related to this bid sent throughout the solicitation period must be directed **ONLY** to the Contracting Officer named on the Invitation to Tender - Page 1. Failure to comply with this requirement may result in the bid being declared non-compliant.

### SI04 SITE VISIT

No site visit is required for this project however, it is recommended that the contractor visits the site involved in this project in advance of quoting the work described in Annex B – Scope of Work.

### SI05 REVISION OF BID

1. Article GI10 of [R2710T](#) (2022-12-01) is replaced by the following;
2. A bid submitted in accordance with these instructions may be revised by letter 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 attached to an email as a new PDF document with the following information clearly indicated:
  - a. **REVISED “BID AND ACCEPTANCE FORM” DATED \_\_\_\_\_** *(insert date of original bid submitted to DFO)*;
  - b. Solicitation Number;
  - c. Be on the Bidder's letterhead or bear a signature that identifies the Bidder;
  - d. For the lump sum portion of a bid, clearly identify the amount of the current revision. The total aggregate sum of all revisions submitted, including the current revision, shall be shown separately; and
  - e. For the Price Per Unit portion of a bid, clearly identify the change(s) in the Price(s) per Unit and the specific Item(s) to which each change applies. If a revision is to be applied to a specific Item that was previously amended then, in addition to the amount of the current revision, the total aggregate sum of all revisions submitted, including the current revision, for that Item shall be shown separately.
3. A letter submitted to confirm an earlier revision shall be clearly identified as “CONFIRMATION ONLY” for each contemplated change.
4. Failure to comply with any of the above provisions shall result in the rejection of the non-compliant revision(s) only. The bid shall be evaluated based on the original bid submitted and all other compliant revision(s).

### SI06 OPENING OF BIDS

There will be no public opening of bids.

### SI07 BID RESULTS

Bid received will be registered on DFO “Bid Register” form and the Unofficial Bid Result will be emailed to all bidders that were listed on the Bid Register. The Bid Register will provide the following information:

- a. Name of the Bidder



- b. Date and time bid was received from the Bidder
- c. Bidder bid amount

#### **SI08 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;
- b. obtain additional funding and award the Contract to the Bidder submitting the lowest compliant bid; or
- c. negotiate a reduction in the bid price and/or scope of work of not more than 15% with the Bidder submitting the lowest compliant bid. Should an agreement satisfactory to Canada not be reached, Canada shall exercise option (a) or (b).

#### **SI09 BID VALIDITY PERIOD**

- 1. Canada reserves the right to seek an extension to the bid validity period prescribed in BA04 of the Bid and Acceptance Form. Upon notification in writing from Canada, Bidders will have the option to either accept or reject the proposed extension.
- 2. If the extension referred to in paragraph 1 above is accepted, in writing, by all those who submitted bids, then Canada will continue immediately with the evaluation of the bids and its approvals processes.
- 3. If the extension referred to in paragraph 1 above is not accepted in writing by all those who submitted bids then Canada will, at its sole discretion, either
  - a. continue to evaluate the bids of those who have accepted the proposed extension and seek the necessary approvals; or
  - b. cancel the invitation to tender.
- 4. The provisions expressed herein do not in any manner limit Canada's rights in law or under GI11 - Rejection of Bid - of [R2710T](#) (2022-12-01).

#### **SI10 RIGHTS OF CANADA**

- 1. Canada reserves the right to:
  - a. Reject any or all bids received in response to the bid solicitation;
  - b. Enter into negotiations with bidders on any or all aspects of their bids;
  - c. Accept any bid in whole or in part without negotiations;
  - d. Cancel the bid solicitation at any time;
  - e. Reissue the bid solicitation;
  - f. If no compliant bids are received and the requirement is not substantially modified, reissue the bid solicitation by inviting only the bidders who bid to resubmit bids within a period designated by Canada; and
  - g. Negotiate with the sole compliant Bidder to ensure best value to Canada.

#### **SI11 CONSTRUCTION DOCUMENTS**

The successful Contractor will be provided with one electronic or paper copy of the sealed and signed drawings, the specifications and the amendments upon acceptance of the offer by Canada. Additional copies, up to a maximum ( 1 ), will be provided free of charge upon request by the Contractor. Obtaining more copies will be the responsibility of the Contractor including cost





## S112 INDUSTRIAL SECURITY REQUIREMENT / SECURITY CLEARANCE

There is no security requirement for this project.

## S113 INTEGRITY PROVISIONS BID REQUIREMENTS

In accordance with the [Ineligibility and Suspension Policy](#), section 17 requires suppliers, regardless of their status under the policy provide the following information when bidding, contracting or entering into a real property agreement. Bidders must provide the required documentation, as applicable, to be given further consideration in the procurement process:

1. All suppliers, regardless of their status under the policy, must submit the following information when participating in a procurement processor real property transaction:
  - suppliers that are corporate entities, including those bidding as joint ventures, must provide a complete list of the names of all current directors or, for a privately owned corporation, the names of the owners of the corporation;
  - suppliers bidding as sole proprietors, including sole proprietors bidding as joint ventures, must provide a complete list of the names of all owners; or
  - suppliers that are a partnership do not need to provide a list of names.

If the list of names has not been received in a procurement process or real property transaction by the time the evaluation of bids or offers is completed, or has not been received in a procurement process or real property transaction where no bid/offer will be submitted, the contracting authority will inform the supplier of a time within which to provide the information. Providing the required names is a mandatory requirement for award of a contract or real property agreement. Failure to provide the list of names within the time specified will render a bid or offer non-responsive, or the supplier otherwise disqualified for award of a contract or real property agreement. Please refer to Information Bulletin: [Required information to submit a bid or offer](#) for additional details. To submit required information, Bidders may use the form titled *Integrity Regime Verification*, found in **Appendix 2**.

2. The bidder must submit with its bid an Integrity Declaration Form only when the following is applicable.
  - a) The supplier must submit a completed [Integrity Declaration Form](#) to disclose any information pertaining to any criminal charge or conviction in the past three years of a Canadian offence listed in section 6 of the [Ineligibility and Suspension Policy](#) (the “policy”) or similar foreign offence listed in section 7 of the Policy.
  - b) The supplier must submit a completed [Integrity Declaration Form](#) if the supplier cannot provide certification to all of the [Integrity provisions](#) requirements listed below. By submitting a bid or offer in response to a bid solicitation or real property transaction, the supplier is certifying the following :
    1. It has read and understands the *Ineligibility and Suspension Policy*;
    2. It understands that certain domestic and foreign criminal charges and convictions, and other circumstances, as described in the Policy, will or may result in a determination of ineligibility or suspension under the Policy;
    3. It is aware that Canada may request additional information, certifications, and validations from the [Offeror] or a third party for purposes of making a determination of ineligibility or suspension;
    4. It has provided with its [bid/offer] a complete list of all foreign criminal charges and convictions pertaining to itself, its affiliates and its proposed first-tier subcontractors that, to the best of its knowledge and belief, may be similar to one of the listed offences in the Policy;
    5. None of the domestic criminal offences, and other circumstances, described in the Policy that will or may result in a determination of ineligibility or suspension, apply to it, its affiliates and its proposed first-tier subcontractors; and
    6. It is not aware of a determination of ineligibility or suspension issued by PSPC that applies to it.





The completed [Integrity Declaration Form](#) must be submitted with its bid/offer. The completed form must be placed in a sealed envelope labeled "Protected B", and addressed to:

Integrity, Departmental Oversight Branch  
Public Services and Procurement Canada  
11 Laurier Street  
Portage Phase III Tower A 10A1 – room 105  
Gatineau QC K1A 0S5  
Canada

#### **SI14 LISTING OF SUBCONTRACTORS**

R2710T, GI07 has been amended to the following.

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

The Bidder must submit the names of Subcontractors for the part or parts of the Work listed. See APPENDIX 3. Failure to do so will result in the disqualification of its bid.

#### **SI15 BASIS FOR SELECTION**

A bid will be deemed compliant if it complies with all the requirements of the bid solicitation and meet all mandatory requirement evaluation criteria described in APPENDIX 4 – Mandatory Marine Requirements. The compliant bid with the lowest evaluated price will be recommended for award of a contract, subject to compliance with the insurance requirements.

#### **SI16 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:

Buy and Sell

<https://buyandsell.gc.ca/for-businesses>

Canadian economic sanctions

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

Standard Acquisition Clauses and Conditions (SACC Manual)

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

PWGSC, Security requirements for contracting with the Government of Canada

<https://www.tpsgc-pwgsc.gc.ca/esc-src/index-eng.html>

PWGSC, Code of Conduct for Procurement

<https://www.tpsgc-pwgsc.gc.ca/app-acq/cndt-cndct/cca-ccp-eng.html>

Integrity Verification Form:

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

Integrity Declaration Form

<https://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>

Trade agreements

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

Surety Association of Canada

<https://www.suretycanada.com/>



Bid Bond (form FP-5132)

[http://www.dfo-mpo.gc.ca/contract-contrat/forms-formulaires/FP\\_5132\\_E.pdf](http://www.dfo-mpo.gc.ca/contract-contrat/forms-formulaires/FP_5132_E.pdf)

Performance Bond (form FP-5134)

[http://www.dfo-mpo.gc.ca/contract-contrat/forms-formulaires/FP\\_5134\\_E.pdf](http://www.dfo-mpo.gc.ca/contract-contrat/forms-formulaires/FP_5134_E.pdf)

Labor and Material Payment Bond (form FP-5133)

[http://www.dfo-mpo.gc.ca/contract-contrat/forms-formulaires/FP\\_5133\\_E.pdf](http://www.dfo-mpo.gc.ca/contract-contrat/forms-formulaires/FP_5133_E.pdf)



## CONTRACT DOCUMENTS (CD)

1. The following are the Contract Documents:

- a. Acceptance By Fisheries and Oceans Canada (Contract) when signed by Canada;
- b. Duly completed Bid and Acceptance Form and any Appendices attached thereto;
- c. SCOPE of WORK;
- d. General Conditions and clauses:

GC1	General Provisions – Construction services	<a href="#">R2810D</a> (2022-12-01);
GC2	Administration of the Contract	<a href="#">R2820D</a> (2016-01-28);
GC3	Execution and Control of the Work	<a href="#">R2830D</a> (2019-11-28);
GC4	Protective Measures	<a href="#">R2840D</a> (2008-05-12);
GC5	Terms of Payment	<a href="#">R2850D</a> (2019-11-28);
GC6	Delays and Changes in the Work	<a href="#">R2865D</a> (2019-05-30);
GC7	Default, Suspension or Termination of Contract	<a href="#">R2870D</a> (2018-06-21);
GC8	Dispute Resolution	<a href="#">R2880D</a> (2019-11-28);
GC9	Contract Security	<a href="#">R2890D</a> (2022-12-01);
GC10	Insurance	<a href="#">R2900D</a> (2008-05-12);
GC6.4.1	Allowable costs for Contract Changes	<a href="#">R2950D</a> (2015-02-25);

- e. Supplementary Conditions;
- f. Any amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
- g. Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and
- h. Any amendment or variation of the contract documents that is made in accordance with the General Conditions.

2. The documents identified by title, number and date above are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site:  
<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>

All references to the Department of Public Works & Government Services Canada (PWGSC) in the instructions, general terms, conditions and clauses identified in the Invitation to Tender (ITT) by number, date and title, are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) are to be replaced with Fisheries and Oceans Canada (DFO).

3. The language of the contract documents is the language of the Bid and Acceptance Form submitted.



## SUPPLEMENTARY CONDITIONS (SC)

### SC01 INDUSTRIAL SECURITY RELATED REQUIREMENTS, DOCUMENT SAFEGUARDING

There is no document security requirement applicable to this Contract.

### SC02 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 titled Certificate of Insurance, Annex A.
- b. Upon request by Canada, the Contractor must provide originals or certified true copies of all contracts of insurance maintained by the Contractor pursuant to the Certificate of Insurance.

#### 4. Insurance Proceeds

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

#### 5. Deductible

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



## BID AND ACCEPTANCE FORM (BA)

### BA01 IDENTIFICATION

LL123 Lancaster Range Demo, Lancaster Ontario.

### BA02 BUSINESS NAME AND ADDRESS OF BIDDER

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

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

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

\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ PBN: \_\_\_\_\_

Email address: \_\_\_\_\_

Industrial Security Program Organisation Number (ISP ORG#): \_\_\_\_\_  
(when required)

#### Organizational Structure:

Corporate Entity  Privately Owned Corporation  Sole Proprietor  Joint Venture

### 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 - PRICE FORM.**

### BA04 BID VALIDITY PERIOD

The bid must not be withdrawn for a period of thirty (30) 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 all Work by **June 30, 2023**. See specifications for the project milestones.

### BA07 BID SECURITY

The Bidder must enclose bid security with its bid in accordance with GI08 - Bid Security Requirements of [R2710T](#) (2022-12-01), General Instructions – Construction Services – Bid Security Requirements.

### BA08 ELECTRONIC PAYMENT OF INVOICES

Although electronic payment is the preferred method of payment, the Bidder is not obligated to accept payment by Electronic Payment Instruments.

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

- a) Acquisition Card; or



b) Direct Deposit (Domestic and International);

If you are the successful bidder on this or any other DFO requirement, you are encouraged to register with DFO for direct deposit. Contact DFO Corporate Accounting by e-mail: [DFO.invoicing-facturation.MPO@canada.ca](mailto:DFO.invoicing-facturation.MPO@canada.ca) to receive a form titled *Recipient Electronic Payment Registration Request* along with instructions for completion of the form.

Invoices submitted shall be paid in accordance with the General Conditions and [clause GC5, Terms of Payment](#).

**BA09 SIGNATURE**

\_\_\_\_\_  
Name and title of person authorized to sign on behalf of Bidder (*type or print*)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



## APPENDIX 1 - PRICE FORM

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 of

\$ \_\_\_\_\_ excluding Applicable Tax(es).  
(amount in numbers)

**Note:** The Bidder must make their own estimate of the difficulties associated with all phases of the work and include in their costs all expenses related to that work.





## APPENDIX 2 – INTEGRITY REGIME VERIFICATION

Section 17 of the [Ineligibility and Suspension Policy](#) (the Policy) require suppliers, regardless of their status under the Policy, to submit the following information when participating in a procurement process or real property transaction:

- Suppliers including those bidding as joint ventures, whether incorporated or not, must provide a complete list of the names of all current directors.
- Privately owned corporations must provide a list of the owners' names.
- Suppliers bidding as sole proprietors, including sole proprietors bidding as joint ventures, whether incorporated or not, must provide a complete list of the names of all owners.
- Suppliers that are a partnership do not need to provide a list of names.

If the list of names has not been received in a procurement process or real property transaction by the time the evaluation of bids or offers is completed, or has not been received in a procurement process or real property transaction where no bid/offer will be submitted, the contracting officer will inform the supplier of a time within which to provide the information. Providing the required names is a mandatory requirement for award of a contract or real property agreement. Failure to provide the list of names within the time specified will render a bid or offer non-responsive, or the supplier otherwise disqualified for award of a contract or real property agreement.

Bidders can print the [Integrity Verification form](#) and attach it as part of their bid

If bidder submitted an Integrity Declaration Form with the bid as detailed in section [SI12](#) please complete the following:

**Integrity Declaration Form was submitted with bid** \_\_\_\_\_ *(provide detail, such as email date, etc.)*



### APPENDIX 3 – LISTING OF SUBCONTRACTORS

1. In accordance with section GI07 - Listing of Subcontractors and Suppliers of [R2710T](#) (2022-12-01) - General Instructions -Construction Services – Bid Security Requirements the Bidder must provide a list of Subcontractors with their Bid.

	<i>Subcontractor</i>	<i>Division</i>	<i>Sub-Trade Category</i>	<i>Estimated Value of work</i>
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				



## APPENDIX 4 – MANDATORY MARINE REQUIREMENTS

Company Name: \_\_\_\_\_

Item #	Criteria	Compliant		Reference to applicable page of submission
		Yes	No	
MR1	<p>The Bidder must propose one or more commercially registered vessels for the Work detailed in Annex B - Scope of Work.</p> <p>The Bidder must demonstrate that each proposed vessel meets all requirements of the Canada Shipping Act 2001 and the applicable Regulations under the Canada Shipping Act including Marine Personnel Regulations.</p> <p>To demonstrate this, for each proposed vessel, the Bidder must provide with their bid proof of vessel registration as a commercial vessel in accordance with the Canada Shipping Act 2001.</p> <p>For each proposed vessel, either one of the following two registrations is acceptable:</p> <ol style="list-style-type: none"> <li>1. Proof of commercial vessel registration in the Small Vessel Register (SVR) if less than 15 Gross Tons;</li> <li style="text-align: center;"><b>OR</b></li> <li>2. Proof of commercial vessel registration in the Canadian Register of Vessels (CRV) if more than 15 Gross Tons.</li> </ol> <p>Pleasure Craft is not acceptable for the performance of the Work detailed in Annex B – Scope of Work. The technical bid will be deemed as non-compliant if any Pleasure Craft is proposed.</p>			
MR2	<p>The Bidder must propose a vessel crew for the Work detailed in Annex B - Scope of Work, who will operate the proposed commercially registered vessel(s).</p> <p>The Bidder must demonstrate that the proposed vessel crew meets all requirements of the Canada Shipping Act 2001 and the applicable Regulations under the Canada Shipping Act including Marine Personnel Regulations.</p> <p>To demonstrate this, the Bidder must provide the following with their bid:</p>			



	<p>1. Proof of crew certification, including proof of each proposed vessel crew member’s completion of marine emergency duties (MED) training as applicable or, if applicable, Pleasure Craft Operator Card for the proposed vessel type and voyage classification, required as per the Canada Shipping Act 2001 and the applicable Regulations under the Canada Shipping Act including Marine Personnel Regulations to operate the proposed commercially registered vessel(s) for the Work detailed in Annex B - Statement of Work;</p> <p><b>AND</b></p> <p>2. Proof of operator certification required as per the Canada Shipping Act 2001 and the applicable Regulations under the Canada Shipping Act including Marine Personnel Regulations to operate the proposed commercially registered vessel(s) for the Work detailed in Annex B - Statement of Work.</p>			
MR3	The bidder must provide proof of any project(s) of a similar nature involving demolition of such structures.			
MR4	The Bidder must provide a photo of all vessels proposed for the performance of the Work.			

**NOTE:** Vessels and crew found to be in contravention of the act will not be permitted to be engaged in any elements of the works identified herein. In the event that a vessel or crew is found non-compliant a suitable replacement vessel and crew will be retained by the Contractor at their sole expense.



**ANNEX A - CERTIFICATE OF INSURANCE**  
(Not required when submitting a bid)



**CERTIFICATE OF INSURANCE**  
Page 1 of 2

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 Fisheries and Ocean (DFO)*

Type of Insurance (Required when Checked)	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
<input checked="" type="checkbox"/> Commercial General Liability <input type="checkbox"/> Umbrella/Excess Liability				\$	\$	\$
<input type="checkbox"/> Builder's Risk / Installation Floater				\$		
<input type="checkbox"/> Contractors Pollution Liability				<input type="checkbox"/> Per Incident <input type="checkbox"/> Per occurrence		Aggregate \$
<input type="checkbox"/> Marine Liability				\$		
<input type="checkbox"/> Aviation Liability				<input type="checkbox"/> Per Incident <input type="checkbox"/> Per occurrence		Aggregate \$
<input type="checkbox"/> Insert other type of insurance as required				\$		



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 coverages 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



**CERTIFICATE OF INSURANCE**  
Page 2 of 2

<p style="text-align: center;"><b>General</b></p> <p>The insurance policies required on page 1 of the Certificate of Insurance must be in force and must include the insurance coverages listed under the corresponding type of insurance on this page.</p> <p>The policies must insure the Contractor and must include Her Majesty the Queen in Right of Canada as represented by the Fisheries and Oceans Canada (DFO) as an additional insured.</p> <p>The Policy shall be endorsed to provide the Owner with not less than thirty (30) days notice in writing in advance of a cancellation or change or amendment restricting coverage.</p> <p>Without increasing the limit of liability, the policies must protect all insured parties to the full extent of coverage provided.</p> <p>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.</p>	<p style="text-align: center;"><b>Commercial General Liability</b></p> <p>The insurance coverage provided must not be substantially less than that provided by the latest edition of IBC Form 2100.</p> <p>The policy must either include or be endorsed to include coverage for the following exposures or hazards if the Work is subject thereto:</p> <ul style="list-style-type: none"> <li>(a) Blasting.</li> <li>(b) Pile driving and caisson work.</li> <li>(c) Underpinning.</li> <li>(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.</li> </ul> <p>The policy must have the following minimum limits:</p> <ul style="list-style-type: none"> <li>(a) <b>\$5,000,000</b> Each Occurrence Limit;</li> <li>(b) <b>\$10,000,000</b> General Aggregate Limit per policy year if the policy contains a General Aggregate; and</li> <li>(c) <b>\$5,000,000</b> Products/Completed Operations Aggregate Limit.</li> </ul> <p>Umbrella or excess liability insurance may be used to achieve the required limits.</p>	<p style="text-align: center;"><b>Builder's Risk / Installation Floater</b></p> <p>The insurance coverage provided must not be less than that provided by the latest edition of IBC Forms 4042 and 4047.</p> <p>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.</p> <p>The policy may exclude or be endorsed to exclude coverage for loss or damage caused by asbestos, fungi or spores, cyber and terrorism.</p> <p>The policy must have a limit that is <b>not less than the sum of the contract value</b> 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.</p> <p>The policy must provide that the proceeds thereof are payable to Canada or as Canada may direct in accordance with GC10.2, "Insurance Proceeds" (<a href="https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R/R2900D/2">https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R/R2900D/2</a>).</p>
<p style="text-align: center;"><b>Contractors Pollution Liability</b></p> <p>The policy must have a limit usual for a contract of this nature, but not less than <b>\$1,000,000</b> per incident or occurrence and in the aggregate.</p>	<p style="text-align: center;"><b>Marine Liability</b></p> <p>The insurance coverage must be provided by a Protection &amp; Indemnity (P&amp;I) insurance policy and must include excess collision liability and pollution liability.</p> <p>The insurance must be placed with a member of the International Group of Protection &amp; Indemnity Associations or with a fixed market in an amount of not less than the limits determined by the <i>Marine Liability Act</i>, S.C. 2001, c. 6. Coverage must include crew liability, if it is not covered by the statutory requirements of the Territory or Province having jurisdiction over such employees.</p> <p>The policy must waive all rights of subrogation against the Government of Canada for any and all loss of or damage to the watercraft however caused.</p>	<p style="text-align: center;"><b>Aviation Liability</b></p> <p>The insurance coverage shall include Bodily Injury (including passenger Bodily Injury) and Property Damage, in an amount of not less than <b>\$5,000,000</b> per incident or occurrence and in the aggregate.</p>





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ANNEX B – SCOPE OF WORK

**LL123 LANCASTER RANGE FRONT  
WOOD LIGHTHOUSE DEMOLITION**

**LANCASTER, ON**

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## **SECTION: 011100 GENERAL INSTRUCTIONS**

### **PART 1 - GENERAL**

#### **1.1 Minimum Standards**

- .1 Perform the Work in accordance with National Building Code of Canada (NBC) and any other code of provincial or local application. In the case of any conflict or discrepancy, the more stringent requirements must apply.
  - .1 Meet or exceed requirements of:
    - .1 Contract documents;
    - .2 Specified standards, codes and referenced documents.

#### **1.2 Description of Work**

- .1 Work under this Contract includes but is not limited to the provision of all labour, materials, and equipment required to:
  - .1 Mobilize to site with a work barge of appropriate size and certification;
  - .2 Demolish and dispose of the wooden lighthouse and stone foundation;
    - .1 Wooden lighthouse is estimated to be 10.5m.

#### **1.3 Submittals**

- .1 Mandatory submittals and schedule for submission are in Appendix A – Summary of Submittals. The following identifies general requirements only. The relevant sections must be consulted for a complete listing of mandatory content. If the Contractor requires to access the site due to the area being covered by ice, the vessel submittals outlined in Appendix 4 – Marine Access Requirements are still required.
- .2 The Contractor must provide a Detailed Schedule:
  - .1 Deadline:
    - .1 No later than ten (10) working days following award.
  - .2 Deliverables:
    - .1 The Contractor must furnish a high-level schedule outlining the major construction milestones. Schedule must clearly define the anticipated start and finish of the project.
- .3 The Contractor must provide a Construction Plan:
  - .1 Deadline:



.1 No less than ten [10] working days prior to mobilization.

.2 Deliverables:

.1 A Construction Plan of sufficient detail to demonstrate that the Contractor must consider all the challenges of the project and is prepared to undertake the works in a competent and professional manner in accordance with all legislation, including:

.1 Project Specific Safety Program including working on ice (Section 013530);

.2 Project Environmental Protection Plan (Section 013543);

.3 Detailed Demolition Plan (Section 024116);

.4 Ice Access Plan.

1.4 Work Site Location

.1 The location of the site is as follows:

.1 Lat./Long.: 45°06'01.18"N, 74°29'28.19"W

.2 The closest settlement is South Lancaster, Ontario.

.3 The site is located on an island, offshore in the St. Lawrence River.

1.5 Existing Conditions

.1 Photographs of the existing site are included in Annex C – Drawings, Plans, Photos, Others.

.2 Designated Substance Survey is included in Annex C – Drawings, Plans, Photos, Others.

.3 Structural Assessment is included in Annex C – Drawings, Plans, Photos, Others.

1.6 Contractors Access to Site

.1 The Contractor must provide for transportation of all labour, materials, and equipment to and from the sites, including any and all material furnished or itemized for salvage by Canadian Coast Guard.

.2 The Site is accessible by water. The site is located on an island in the St. Lawrence River, 3 km south of South Lancaster, Ontario.

.3 The Contractor must provide for sourcing appropriate marine access to support all construction Work.

.1 The use of Vessels not approved by Canadian Coast Guard are prohibited. All vessels used for the performance of the Work, no matter how the vessel is used, or for what duration, must be pre-approved by Canadian Coast Guard in writing. Additional vessels



than those submitted at time of bid may be used if Canadian Coast Guard approval is obtained prior to their use. Failure to comply with this clause may result in termination of the contract.

#### 1.7 Completion, Scheduling and Planning of the Works

- .1 The Contractors schedule must be coordinated with the Canadian Coast Guard 1 month prior to commencing.
- .2 The Work must be scheduled to occur at a time suitable to the Canadian Coast Guard who will be responsible for staging their works around the Contractors schedule.
- .3 All field Work must be completed by **June 30, 2023**.

#### 1.8 Temporary Facilities

- .1 The Contractor must provide sanitary facilities for the Work force in accordance with governing regulations and ordinances.
- .2 The Contractor must arrange, pay, and maintain temporary electrical power supply as required for construction and water supply as required, in accordance with governing regulations and ordinances.
- .3 The Contractor must maintain emergency spill kits on-site at all times.

#### 1.9 Fees, Permits, Certificates and Information

- .1 The Contractor must provide for authorities having jurisdiction with all information requested.
  - .1 The Contractor must provide copies to Canadian Coast Guard of any documentation submitted to other authorities related to the Work described in this document.
- .2 The Contractor must pay fees, obtain certificates and permits as required.
- .3 The Contractor must furnish certificates and permits when requested.

#### 1.10 Reference Documents

- .1 The most recent publication or edition of any document referenced in this specification must be used unless the referencing clause states that this clause does not apply.

#### 1.11 Required Submissions

- .1 A summary of the minimum mandatory submissions required can be found in Appendix A – Summary of Submittals. This summary is not an exhaustive list of all submissions required for the duration of the project. Additional submissions may be required after award.

## **PART 2 - PRODUCTS**

### 2.1 Not Used

## **PART 3 - EXECUTION**



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3.1 Not Used



## **SECTION: 013300 SUBMITTAL PROCEDURES**

### **PART 1 - GENERAL**

#### 1.1 General

- .1 This section specifies general requirements and procedures for the Contractors submissions of documents to Canadian Coast Guard for review.
- .2 The Contractor must not proceed with the Work until submitted documents or samples have been reviewed by Canadian Coast Guard.
- .3 Where items or information is not produced in [International System \(SI\) Metric units](#), converted values are acceptable.
- .4 The Contractor is responsibility for errors and omissions in submission is not relieved by Canadian Coast Guard's review of the submitted documents.
- .5 The Contractor must notify Canadian Coast Guard, in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations.
- .6 The Contractor is responsible for deviations in submission from requirements of Contract Documents is not relieved by Canadian Coast Guard's review of submission, unless Canadian Coast Guard gives written acceptance of specific deviations.
- .7 The Contractor must make any changes to submissions that Canadian Coast Guard may require consistent with Contract Documents and resubmit as directed by Canadian Coast Guard.
- .8 The Contractor must provide Canadian Coast Guard with a written notice, when resubmitting, of any revisions other than those requested Canadian Coast Guard.

#### 1.2 Submission Requirements

- .1 The Contractor Must coordinate each submission with requirements of the Work and Contract Documents. Individual submissions will not be reviewed until all related information is available.
- .2 The Contractor must allow three (3) working days, or as stipulated in the specifications, for Canadian Coast Guard to review the submission.
- .3 The Contractor's Engineer must stamp and sign any submissions requiring a Professional Engineer's seal certifying his approval of samples, verification of field measurements and compliance with Contract Documents.



## **SECTION: 013530 HEALTH AND SAFETY REQUIREMENTS**

### **PART 1 - GENERAL**

#### 1.1 Scope

- .1 The Contractor is responsible to develop, implement and enforce a safety program which addresses all elements of the Work.

#### 1.2 References

- .1 The Work must be undertaken in strict conformance with all listed references, in the case of any conflict or discrepancy the more stringent requirements must apply.
  - .1 Canada Labour Code Part II - January 2008
  - .2 NRC-CNRC National Building Code of Canada
  - .3 Ontario Occupational Health and Safety Act and Regulations, 2009.
  - .4 Any and all other Provincial and Territorial Regulations and Policies; Worker's Compensation Board Policies; Local municipal regulations; pertaining to safety of the Contractors workers

#### 1.3 Submittals

- .1 The Contractor must provide a Project Specific Safety Program
  - .1 Deadline:
    - .1 With Construction Plan
  - .2 Deliverables:
    - .1 Safety Program Document, include:
      - .1 A listing of all activities specific to this phase of the project and their Health & Safety risks or hazards.
      - .2 Detailed descriptions of how the activities are to be carried out as well as methods for mitigating hazards and risks.
      - .3 A listing of personnel responsible for health and safety measures, and Emergency procedures.
      - .4 Material Safety Data Sheets for hazardous products to be utilized in the execution of the works.
      - .5 Proof of training for employees engaged in specific dangerous tasks.





## **SECTION: 013543 ENVIRONMENTAL PROCEDURES**

### **PART 1 - GENERAL**

#### 1.1 Scope of Work

- .1 The Contractor must implement and enforce the following procedures throughout the duration of the Work to mitigate potential negative impacts on the surrounding environment.

#### 1.2 References

- .1 The Work must be undertaken in strict conformance with all listed references, in the case of any conflict or discrepancy the more stringent requirements must apply.
  - .1 Canadian Environmental Protection Act

#### 1.3 Related Sections

- .1 Not used.

#### 1.4 Submittals

- .1 The Contractor must submit an Environmental Protection Plan
  - .1 Deadline:
    - .1 With Construction Plan
  - .2 Deliverables:
    - .1 Submit a plan addressing procedures to be implemented to mitigate any negative impact on the environment. Detail:
      - .1 Equipment features (age, spill containment);
      - .2 Staging, refueling, and cleaning areas;
      - .3 Clean-up and containment procedures (including concrete/grout);
      - .4 Waste disposal methods and sites;
      - .5 De-watering plan, if necessary.

### **PART 2 - PRODUCTS**

#### 2.1 General

- .1 The Contractor must avoid use of hazardous products. Use environmentally friendly products where practical.



## **PART 3 - EXECUTION**

### **3.1 Construction Area**

- .1 The Contractor must confine construction activities to as small an area as practical.
- .2 The Contractor must establish material storage, cleaning and refueling areas where impacts to the surrounding environment will be negligible or readily mitigated.

### **3.2 Stockpiling of materials**

- .1 The Contractor must stockpile materials as far from the shoreline as practical. Tarps must be used to control dust and run-off.
- .2 The Contractor must stockpile excavated materials and be skirted using filter fabric to control run-off of fines during rain.

### **3.3 Disposal of Wastes**

- .1 The Contractor must clean-up the site at the end of each working day.
- .2 The Contractor must provide for all waste material to be disposed of in a legal manner at a site approved by local authorities. Transporter or hauler must be appropriately licensed.
  - .1 The Contractor must recycle or reuse materials where possible.
- .3 The Contractor must not start fires or burn rubbish on site.
- .4 The Contractor must not bury rubbish and waste materials on site.

### **3.4 Clearing and Grubbing**

- .1 The Contractor must only clear vegetation that interferes with construction.

### **3.5 Drainage**

- .1 The Contractor must provide temporary drainage and pumping as necessary to keep excavations and site free from water.
  - .1 The Contractor must suspend the Work during periods of heavy rainfall and add temporary covers to discourage run-off.
  - .2 The Contractor must provide for water pumped from excavation site, be adequately treated to ensure that water returning to the watercourse contains minimal fines. Procedures anticipated for preventing the pumping of fines must be identified in the environmental protection plan and must include the following:
    - .1 The use of filter bags;
    - .2 Straw bale check dams or silt fence;
    - .3 Discharge through naturally occurring vegetation.



- .3 The Contractor must provide for the means of controlling silt run-off, must take into account the site and the quantity of water pumped and also must be to the discretion of the Canadian Coast Guard site staff.
- .4 The Contractor must provide sediment control measures and be inspected, improved, cleaned and replaced as necessary.

### 3.6 Pollution Control

- .1 The Contractor must provide methods, means and facilities to prevent the contamination of soil, water and atmosphere from the discharge of pollutants produced by construction operations.
- .2 The Contractor must provide vehicles, machinery and equipment and must be in good repair, equipped with emission controls as applicable and operated within regulatory requirements.
- .3 The Contractor must abide by local noise by-laws.
- .4 The Contractor must avoid unnecessary idling of vehicles or heavy machinery.
- .5 The Contractor must limit use of equipment around the shoreline where possible.
- .6 The Contractor must implement and maintain dust and particulate control measures in accordance with provincial requirements:
  - .1 All bulk material haul equipment must be appropriately tarped. Watertight vehicles must be used to haul wet materials
- .7 The Contractor must designate a cleaning area for tools to limit water use and runoff and does not allow deleterious materials to enter waterways. The Contractor must ensure emptied containers are sealed and stored safely for disposal.
- .8 The Contractor must take all necessary precautions to guard against the release of any noxious substance or pollutant to the environment. In the event of any spill the Contractor must take immediate action to contain the release and mitigate any impact.
  - .1 Materials and equipment to intercept, contain and clean-up any spill or other release must be maintained on site throughout the construction period and must be readily accessible at all times.
  - .2 Any uncontrolled release of a known contaminant (spills, fire or smoke) must be reported to appropriate Provincial Authority and Canadian Coast Guard. Spills of deleterious substances to be immediately contained and cleaned up in accordance with provincial regulatory requirements.
  - .3 Provincial Authority: Ontario Spills Action Centre 1-800-268-6060



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### 3.7 Traffic

- .1 The Contractor must minimize soil compaction by driving, parking vehicles and walking, etc. on existing paved roadways and laneways. If soil is impacted by compaction, the Contractor must compensate by restoring areas with new soil, as required.
- .1 The Contractor must avoid the use of heavy machinery in areas of sensitive slopes and avoid using machinery on land during wet weather.



## **SECTION: 014500 QUALITY CONTROL**

### **PART 1 - GENERAL**

#### 1.1 Inspection

- .1 Canadian Coast Guard or its representative must have access to the Work at all times.

#### 1.2 Procedures

- .1 The Contractor must provide Canadian Coast Guard with advance notice whenever testing is required in accordance with these specifications so that all parties involved can be present.
- .2 The Contractor must provide necessary manpower and installations for obtaining and handling samples and material on site.
- .3 The Contractor must provide access to site if the site is of remote nature whereby the Contractor is responsible for providing access to the site.

#### 1.3 Rejected Work

- .1 The Contractor must remove defective Work, whether incorporated into the Work or not, which has been rejected by Canadian Coast Guard as failing to comply with the contract documents. Replace or re-execute in accordance with the Contract Documents.

#### 1.4 Tests and Mixture Formulas

- .1 The Contractor must supply test reports and required mixture formulas.

#### 1.5 Factory Tests

- .1 The Contractor must submit test certificates as prescribed in the relevant section of the specifications.

#### 1.6 Acceptance of Work

- .1 Canadian Coast Guard will make acceptance visits of Work executed by the Contractor at critical milestones identified in the following sections.
- .2 The Contractor must inform Canadian Coast Guard at least three (3) working days before these inspection visits.
- .3 All Work must be completed in compliance with the specifications before requesting the visit for inspection. If the Work is not completed or deemed non-compliant, the Contractor must be responsible for all costs incurred for subsequent inspections.



## **SECTION: 016100 COMMON PRODUCT REQUIREMENTS**

### **PART 1 - GENERAL**

#### 1.1 General

- .1 The Contractor must secure Canadian Coast Guard approval of all products to be incorporated into the works. Work must not commence until product data or samples have received Canadian Coast Guard approval.
- .2 The Contractor must supply or fabricate material and equipment of prescribed quality with performance conforming to established standards.
- .3 The Contractor must use new material and equipment unless otherwise specified.
- .4 The Contractor must ensure replacements parts be readily procured.
- .5 The Contractor must use products from one manufacturer for material and equipment of same type or classification, unless otherwise specified.

#### 1.2 Manufacturer's Instructions

- .1 Unless otherwise specified, the Contractor must comply with manufacturer's latest printed instructions for materials and installation methods.
- .2 The Contractor must notify Canadian Coast Guard in writing of any conflict between these specifications and manufacturer's instructions; Canadian Coast Guard will designate which document is to be followed.

#### 1.3 Compliance

- .1 When material or equipment is specified by standard or performance specifications, the Contractor must upon request of Canadian Coast Guard, obtain an independent testing laboratory report from the manufacturer, stating that material or equipment meets or exceeds specified requirements.

#### 1.4 Substitution

- .1 Where specific products have been specified, proposals for substitution may only be submitted after award of contract. Such requests must include statements of respective costs of items originally specified and the proposed substitution.
- .2 No substitutions will be permitted without prior written approval of Canadian Coast Guard. Substitutions will be considered by Canadian Coast Guard only when:
  - .1 Materials specified in Contract Documents, are not available; or,
  - .2 Delivery dates of materials selected from those materials specified, would unduly delay completion of contract; or,



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- .3 Alternative materials to those specified which are brought to the attention of and considered by Canadian Coast Guard as equivalent to the material specified, will result in a credit to the Contract amount.
- .3 Should the proposed substitution be accepted either in whole or in part, the Contractor must assume full responsibility and costs when such substitution affects other Work on the project including any and all design or drawing changes required as a result of substitution.

#### 1.5 Submittals

- .1 The Contractor must provide product specifications or samples upon request from Canadian Coast Guard.



## **SECTION: 024116 DEMOLITION OF STRUCTURES**

### **PART 1 - PART 1 - GENERAL**

#### 1.1 Scope of Work

- .1 Work under this section consists of the provision of all labour, materials, and equipment necessary to complete the following activities:
  - .1 Demolition of the existing 10.5m wooden lighthouse;
  - .2 Demolition of the existing stone foundation;
  - .3 Disposal of all waste at a licensed waste disposal facility;

#### 1.2 References

- .1 Work under this section must be undertaken in strict conformance with all listed references, in the case of any conflict or discrepancy the more stringent requirements must apply.
  - .1 Canada Labour Code Part II - January 2008.
  - .2 NRC-CNRC National Building Code of Canada 2005.
  - .3 Ontario Occupational Health and Safety Act and Regulations, 2009.
  - .4 CSA S350-[M1980(R1998)], Code of Practice for Safety in Demolition of Structures.

#### 1.3 Submittals

- .1 The Contractor must provide Demolition Plan.
  - .1 Deadline:
    - .1 With Construction Plan.
  - .2 Deliverables:
    - .1 Method of demolition including all associated tasks and schedule.
    - .2 Methods for protecting the site from demolition debris, specifically paint.
    - .3 The ultimate disposal location of all waste materials and debris.
      - .1 Include documentation detailing regulatory approval for waste disposal facility and transporter.
- .2 Work under this section must not proceed until written approval of the demolition plan has been received from the Canadian Coast Guard.





- .3 The Contractor must submit copies of certified receipts from the disposal sites for all material removed from the Work site upon request.

#### 1.4 Existing Conditions

- .1 The existing lighthouse is beyond its life expectancy and multiple sections of the lighthouse are heavily rotten, specifically the exterior platform. The Contractor must ensure the lighthouse is dismantled and demolished in a safe manner.
  - .1 Photos of the existing lighthouse are included in Annex C – Drawings, Plans, Photos, Others.
  - .2 Designated Substance Survey is included in Annex C – Drawings, Plans, Photos, Others.
  - .3 Structural Assessment is included in Annex C – Drawings, Plans, Photos, Others.

## **PART 2 - PART 2 - PRODUCTS**

- 2.1 Not used.

## **PART 3 - PART 3 - EXECUTION**

### 3.1 General

- .1 The Work must be continuous and proceed without interruption unless otherwise approved by Canadian Coast Guard.
- .2 The Contractor must provide the utmost effort so as to avoid the disbursement of paint flakes and waste around the site and into adjacent watercourse throughout demolition.

### 3.2 Protection

- .1 The Contractor must implement effective controls to catch or collect all tower debris during demolition, specifically paint.
- .2 The Contractor must implement effective controls to prevent injury to workers and mariners.

### 3.3 Preparation

- .1 The Contractor must erect warning signs and barricades.
- .2 The Contractor must ensure all environmental protection and mitigation measures are in place.
- .3 The Contractor must ensure all items identified for salvage have been removed and stored.

### 3.4 Demolition

- .1 The Contractor must demolish existing wooden lighthouse and associated foundation in their entirety.



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Canadian  
Coast Guard

Garde côtière  
canadienne



- .2 The Contractor must remove and salvage all lighting equipment in their entirety.
- .3 The Contractor must demolish existing foundation in its entirety.
- .4 The Contractor must ensure that demolition does not adversely affect adjacent watercourses, groundwater and wildlife, or contribute to excess air and noise pollution.
- .5 The Contractor must ensure demolition is undertaken safely. If at any period during demolition the safety of the Contractors staff cannot be maintained take preventative measures, stop Work and immediately notify Canadian Coast Guard.

### 3.5 Disposal

- .1 The Contractor must dispose of all material off-site and at a licensed disposal or recycling facility.



## **SECTION: APPENDIX A – SUMMARY OF SUBMITTALS**

<b>Following Contract Award</b>	
<b>Submission Description</b>	<b>Section(s)</b>
<b>Deadline: 10 working days following award</b>	
Detailed schedule:	<i>011100</i>
Proof of qualifications:	
a) Proof of Experience	<i>011100</i>
<b>Deadline: 10 working days prior to mobilization</b>	
Construction Plan	
a) Project site specific safety plan	<i>013530</i>
b) Project environmental protection program	<i>013543</i>
c) Detailed demolition plan	<i>024116</i>
d) Ice Access Plan	
<b>Deadline: 21 calendar days following acceptance of the works</b>	
Waste disposal receipts	<i>024116</i>



### ANNEX C – DRAWINGS, PLANS, PHOTOS, OTHERS



Figure 1: LL123 Lancaster Range Front D50 Location  
45°06'01.18"N, 74°29'28.19"W

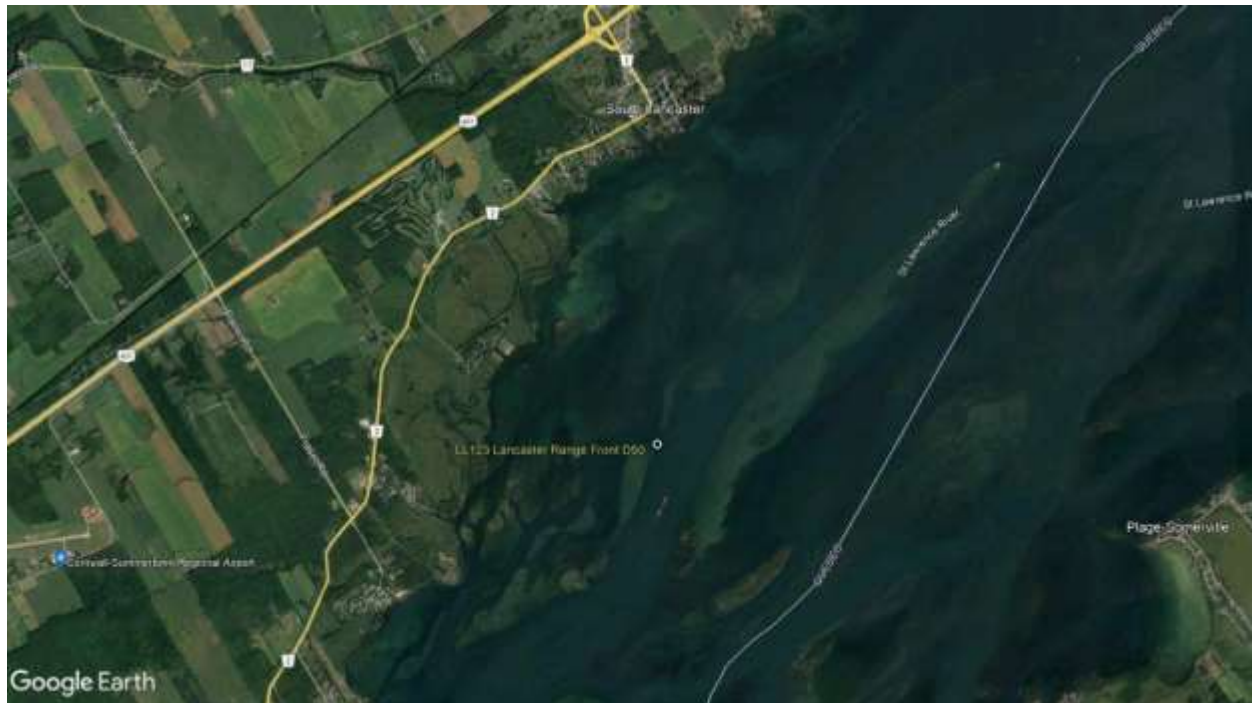


Figure 2: LL123 Lancaster Range Front D50 Location

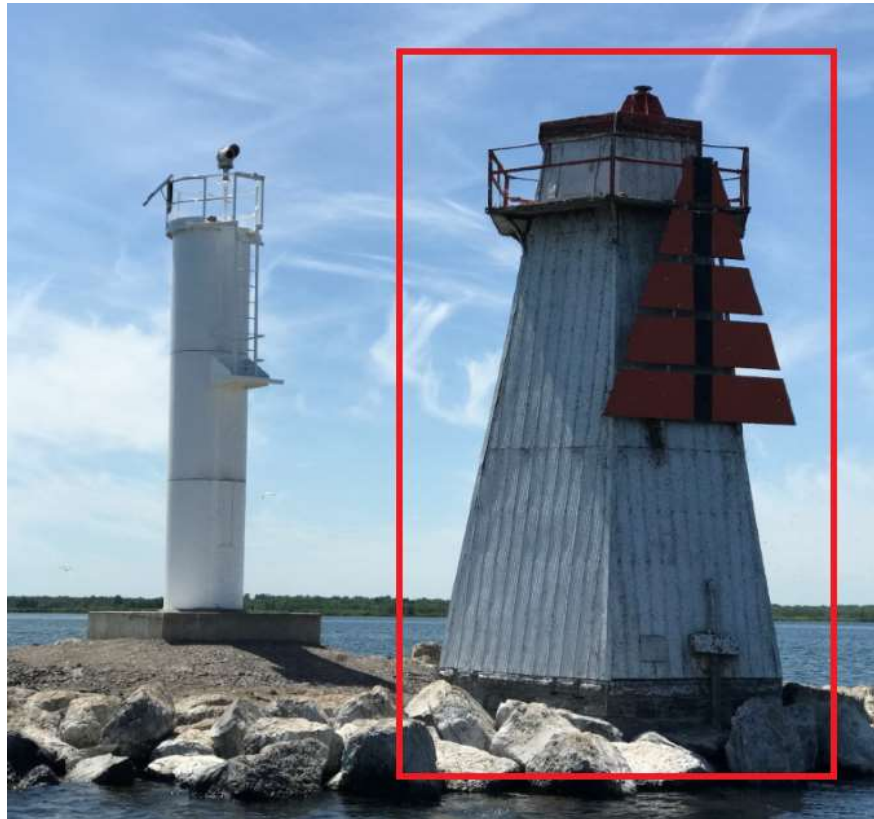


Figure 3: Wood Lighthouse to be demolished, 2019

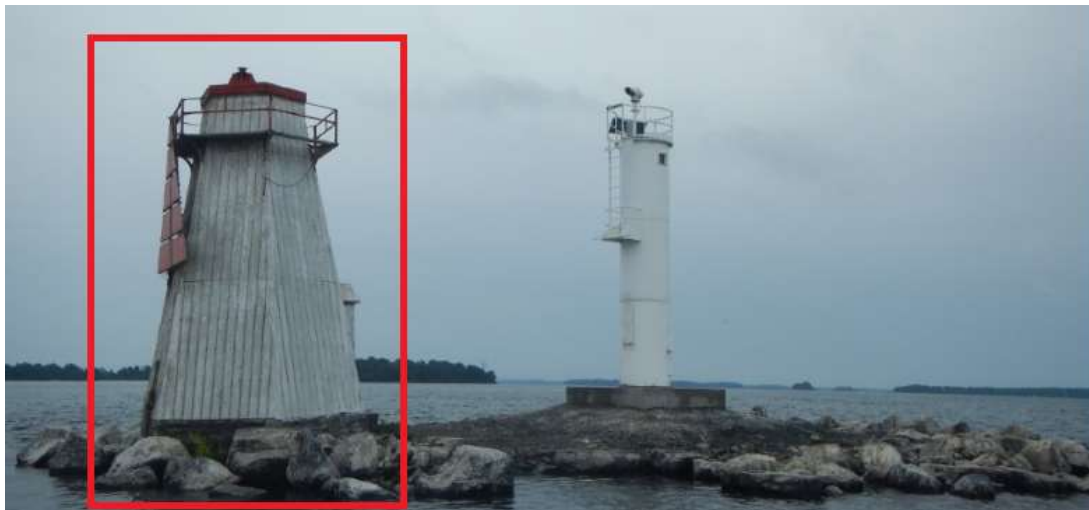


Figure 4: Wood Lighthouse to be demolished, 2019



**ANNEX C – DRAWINGS, PLANS, PHOTOS, OTHERS**

**Designated Substance Survey**



**St. Lawrence Testing  
& Inspection Co. Ltd.**

P.O. Box 997, Cornwall, ON, Canada K6H 5V1  
814 Second Street W., Phone (613) 938-2521  
E-mail: slf@ontarioeast.net Fax (613) 938-7395

September 27, 2019

Mr. Doug Jibb  
Canadian Coast Guard MCTS  
105 Christina St. North  
Sarnia, ON  
N7T 2M6

**RE: Lancaster Ranger Lighthouse in Lake St. Francis, ON  
Environmental Assessment  
Report No. 19C238**

Dear Mr. Jibb:

In accordance with verbal and e-mail instructions received from you, this report is submitted, outlining the results of an Environmental Assessment carried out on the Lancaster Ranger Lighthouse located in Lake St. Francis, just South of Lancaster, Ontario.

On September 13, 2019, an environmental technician from St. Lawrence Testing & Inspection Co. Ltd. (St. Lawrence Testing) arrived at the lighthouse location with Mr. Vladi Kovinich, P. Eng. to inspect the lighthouse. Upon arrival, we found that the door to the interior of the lighthouse was locked and no key was available at that time to open the door. No other access to the interior could be had.

Our technician inspected the lower exterior section of the lighthouse. The lower section was covered in white, painted sheet metal. A sample of this paint (S1) was collected for lead determination. The entrance door to the



lighthouse was covered in a red paint. A sample of this paint (S2) was also collected for lead determination.

The technician then removed several screw bolts from the sheet metal and carefully lifted a corner to determine what laid underneath. The sheet metal was found to be covering wooden shakes that were painted white. They were in fair condition. A paint sample of the white paint (S3) covering the shakes was collected. The sheet metal was then placed back and the screw bolts were replaced by hand.

All 3 paint samples were submitted to Bureau Veritas in Mississauga, Ontario later that day for lead analysis.

The test results from the paint samples were received on September 17, 2019. Upon review of the results, all 3 paint samples contained lead as tabulated below:

Sample ID	Lead Concentration
S1	83 mg/kg
S2	24,000 mg/kg
S3	50,000 mg/kg

The U.S. Department of Housing and Urban Development deems a paint to contain lead if the paint contains 5,000 mg/kg of lead by weight. Using this standard, both the red and white paints found on the door and railing along



with the shakes, respectively, would be deemed as having a high lead content.

The occupational exposure limit (OEL) for lead as defined in the Ministry's Designated Substance Regulation (O. Reg. 490/09) Table 1 is 0.05 mg/m<sup>3</sup> in air as an 8-hour day or 40-hour weekly time-weighted average (TWA).

On September 19, 2019, St. Lawrence Testing and Mr. Kovich returned to the lighthouse with a key from the Prescott Coast Guard office to unlock the access door. Unfortunately, the lock was seized and did not open. The lock was then cut off by St. Lawrence Testing and we gained access to the interior of the lighthouse structure.

The interior contained 3 levels. The 1<sup>st</sup> level contained a concrete base. This base most probably contains silica and care should be exercised if demolishing it. The interior was unfinished and the wooden beams were exposed. The walls were covered in wood planks. There was a chimney vent located on the ceiling, however, no evidence of combustion equipment was found. There was visible fungal growth observed on the east side near the ceiling.

The 2<sup>nd</sup> level was accessed via a wooden ladder staircase. This level contained the same appearance as the 1<sup>st</sup> level with the exception that it had a wooden floor. The east side wall had a small amount of fungal growth.

The 3<sup>rd</sup> level was accessed via a ladder staircase. This level contained a wood floor covered in metal. The walls appeared to be painted in the same

Report No. 19C238  
Continued

Page 4

white paint as the shakes (paint sample S3). Access to the exterior walkway could be had from this level. The exterior wooden plank walkway was covered in white paint, while the metal railing was covered in a similar red paint as the door.

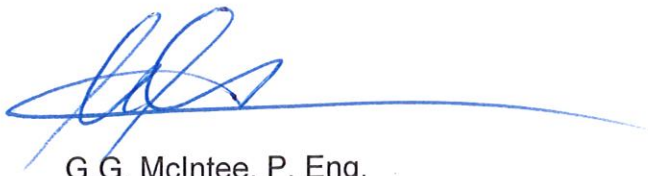
There was no appearance of mould found within the lighthouse interior. There were no asbestos-containing materials or mercury observed during this assessment. The remaining designated substances (i.e. acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates and vinyl chloride) would not be present in this structure.

It is the opinion of St. Lawrence Testing that the lighthouse structure has been painted with lead based paint. It is recommended that the appropriate personal protective equipment be worn when handling any surfaces covered in white or red paint, with the exception of the white paint covering the exterior metal sheeting.

The report from the structural engineer should be available shortly.

Respectfully submitted

ST. LAWRENCE TESTING & INSPECTION CO. LTD.



G.G. McIntee, P. Eng.

GGM:sr

Attachments





Your Project #: LANCASTER RANGE LIGHTHOUSE  
 Site Location: LAKE ST. FRANCIS  
 Your C.O.C. #: n/a

**Attention: Gib McIntee**

St Lawrence Testing & Inspection Co Ltd

814 Second St W  
 PO Box 997  
 Cornwall, ON  
 CANADA K6H 5V1

Report Date: 2019/09/17  
 Report #: R5883877  
 Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: B9P7954**

Received: 2019/09/16, 12:11

Sample Matrix: Paint  
 # Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Metals in Paint	3	2019/09/17	2019/09/17	CAM SOP-00408	EPA 6010D m

**Remarks:**

Bureau Veritas Laboratories are accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by BV Labs are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in BV Labs profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and BV Labs in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

BV Labs liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. BV Labs has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by BV Labs, unless otherwise agreed in writing. BV Labs is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

\* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: LANCASTER RANGE LIGHTHOUSE  
Site Location: LAKE ST. FRANCIS  
Your C.O.C. #: n/a

**Attention: Gib McIntee**  
St Lawrence Testing & Inspection Co Ltd  
  
814 Second St W  
PO Box 997  
Cornwall, ON  
CANADA K6H 5V1

**Report Date: 2019/09/17**  
Report #: R5883877  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BV LABS JOB #: B9P7954**  
**Received: 2019/09/16, 12:11**

Encryption Key

Hongmei Zhao (Grace)  
Project Manager  
17 Sep 2019 17:57:54

Please direct all questions regarding this Certificate of Analysis to your Project Manager.  
Jolanta Goralczyk, Project Manager  
Email: Jolanta.Goralczyk@bvlab.com  
Phone# (905)817-5751

=====

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



BUREAU  
VERITAS

BV Labs Job #: B9P7954  
Report Date: 2019/09/17

St Lawrence Testing & Inspection Co Ltd  
Client Project #: LANCASTER RANGE LIGHTHOUSE  
Site Location: LAKE ST. FRANCIS  
Sampler Initials: SR

**ELEMENTS BY ATOMIC SPECTROSCOPY (PAINT)**

BV Labs ID		KUB702		KUB703	KUB704		
Sampling Date		2019/09/13 10:30		2019/09/13 10:40	2019/09/13 10:50		
COC Number		n/a		n/a	n/a		
	<b>UNITS</b>	<b>S1</b>	<b>RDL</b>	<b>S2</b>	<b>S3</b>	<b>RDL</b>	<b>QC Batch</b>
<b>Metals</b>							
Lead (Pb)	mg/kg	83	1.0	24000	50000	100	6336706
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							



BUREAU  
VERITAS

BV Labs Job #: B9P7954  
Report Date: 2019/09/17

St Lawrence Testing & Inspection Co Ltd  
Client Project #: LANCASTER RANGE LIGHTHOUSE  
Site Location: LAKE ST. FRANCIS  
Sampler Initials: SR

### TEST SUMMARY

**BV Labs ID:** KUB702  
**Sample ID:** S1  
**Matrix:** Paint

**Collected:** 2019/09/13  
**Shipped:**  
**Received:** 2019/09/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	6336706	2019/09/17	2019/09/17	Archana Patel

**BV Labs ID:** KUB703  
**Sample ID:** S2  
**Matrix:** Paint

**Collected:** 2019/09/13  
**Shipped:**  
**Received:** 2019/09/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	6336706	2019/09/17	2019/09/17	Archana Patel

**BV Labs ID:** KUB704  
**Sample ID:** S3  
**Matrix:** Paint

**Collected:** 2019/09/13  
**Shipped:**  
**Received:** 2019/09/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	6336706	2019/09/17	2019/09/17	Archana Patel



**BUREAU  
VERITAS**

BV Labs Job #: B9P7954  
Report Date: 2019/09/17

St Lawrence Testing & Inspection Co Ltd  
Client Project #: LANCASTER RANGE LIGHTHOUSE  
Site Location: LAKE ST. FRANCIS  
Sampler Initials: SR

### GENERAL COMMENTS

Metals: Due to the sample matrix, samples required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.



BUREAU  
VERITAS

BV Labs Job #: B9P7954  
Report Date: 2019/09/17

St Lawrence Testing & Inspection Co Ltd  
Client Project #: LANCASTER RANGE LIGHTHOUSE  
Site Location: LAKE ST. FRANCIS  
Sampler Initials: SR

### QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
6336706	APT	Matrix Spike	Lead (Pb)	2019/09/17		NC	%	75 - 125
6336706	APT	QC Standard	Lead (Pb)	2019/09/17		96	%	75 - 125
6336706	APT	Method Blank	Lead (Pb)	2019/09/17	ND, RDL=1.0		mg/kg	
6336706	APT	RPD	Lead (Pb)	2019/09/17	3.6		%	35

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)





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VERITAS

BV Labs Job #: B9P7954  
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St Lawrence Testing & Inspection Co Ltd  
Client Project #: LANCASTER RANGE LIGHTHOUSE  
Site Location: LAKE ST. FRANCIS  
Sampler Initials: SR

### VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

---

Brad Newman, Scientific Service Specialist

---

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports.  
For Service Group specific validation please refer to the Validation Signature Page.

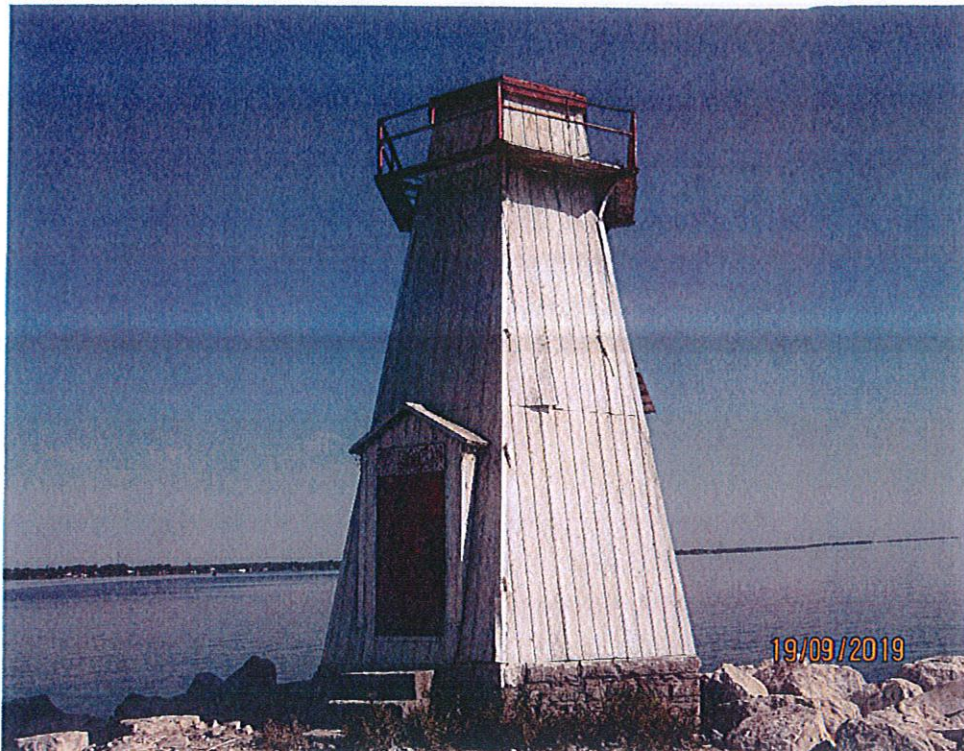


Photo 1: View of the Lancaster Ranger Lighthouse. The red paint contained 24,000 mg/kg of lead. The white paint covering the exterior metal sheeting contained a lead content of 83 mg/kg.



Photo 2: View of the white painted shakes located under the metal exterior sheeting. This paint contains a lead content of 50,000 mg/kg.





Photo 3: Another view of the white painted shakes located under the exterior metal sheets.

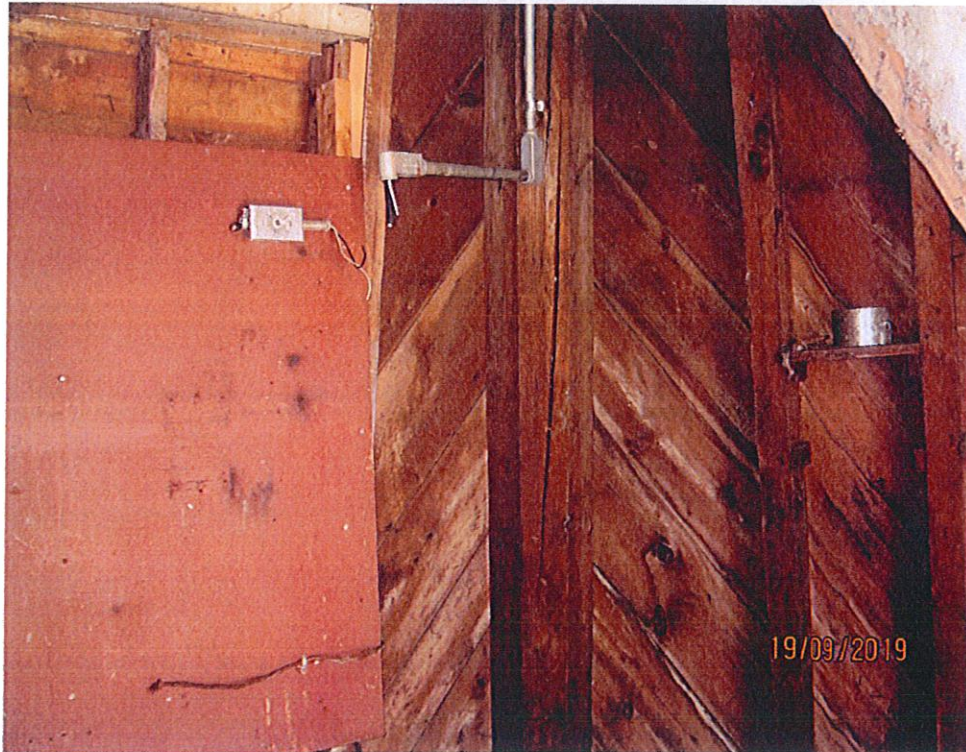


Photo 4: View of the 1<sup>st</sup> level interior walls and electrical connection.





Photo 5: Alternate view of the 1<sup>st</sup> floor walls and beams.



Photo 6: View of the ceiling of the 1<sup>st</sup> level.





Photo 7: Visible indications of fungal growth on the ceiling of the 1<sup>st</sup> level.



Photo 8: View of the concrete floor of the 1<sup>st</sup> level.





Photo 9: View facing up from the 1<sup>st</sup> level ladder staircase. More red paint is visible.



Photo 10: Visible signs of fungal growth on the 2<sup>nd</sup> level.





Photo 11: The walls of the 3<sup>rd</sup> level contained similar white paint as the shakes.



Photo 12: View of a floor vent and metal covered flooring on the 3<sup>rd</sup> level.



## **ANNEX C – DRAWINGS, PLANS, PHOTOS, OTHERS**

### **Structural Assessment**



# KOVINICH AND ASSOCIATES ENGINEERS

(A Division of the Naeveko Investment Corporation)

**P.O. Box 314, Cornwall, Ontario K6H 5T1**

**Telephone (613) 931-9696**

**Cellular (613) 360-9890**

**Email kovinich@gmail.com**

October 10, 2019

Mr. Gib McIntee  
St. Lawrence Testing & Inspection Co. Ltd.  
P.O. Box 997,  
Cornwall, Ontario  
K6H 5V1

**RE: Lancaster Ranger Lighthouse in Lake St. Francis, Ontario – Structural Assessment**

Dear Mr. McIntee,

Please accept my structural assessment of the above as requested by you and should be read in conjunction with St. Lawrence Testing & Inspection Co. Ltd. Report No. 19C238.

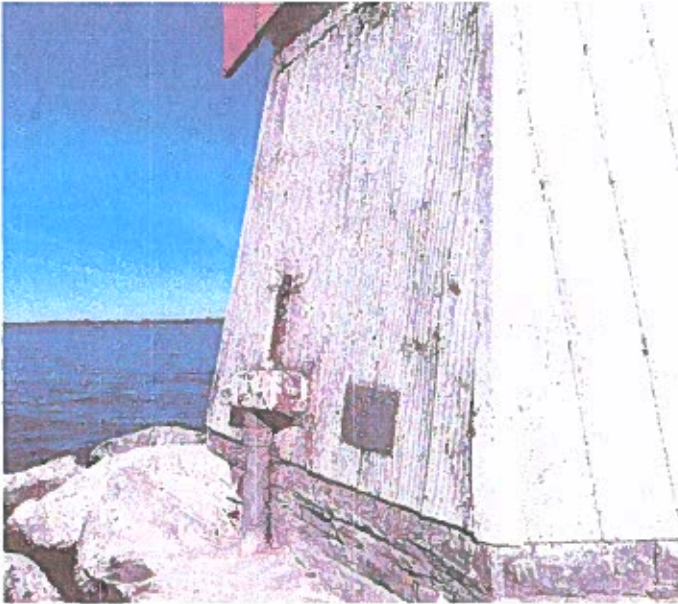
As noted in your report some difficulties were encountered in gaining interior access to the structure. The first attempt on September 13, 2019 only allowed a limited exterior structural inspection. Another attempt on September 19, 2019 provided interior structural inspection only after cutting the existing seized lock. Note that a lock was installed upon departure.

The following summarizes the visual structural inspection:

Exterior view of the west side of the structure which leans to the east.



Stone Foundation and Mortar considered in structurally good condition.



Exterior painted metal sheet siding fastened to exterior painted wood shake possibly cedar. Some rot of the wood shake was noted primarily at the base of the structure. From the interior you will note that the material behind the wood shake is wood planking not visible in this photo.



Opened metal entrance door. Concrete stair and stone and mortar foundation considered in structurally good condition.

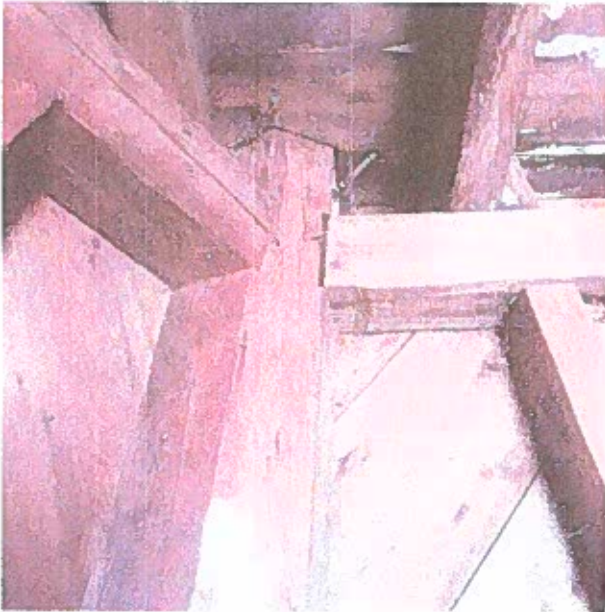


Interior concrete slab and wall framing. From existing drilled holes in the concrete slab it appears the slab was approximately 6" in thickness. Considered in structurally good condition.





Lower Level Interior framing and wall planking considered to be in good structural condition. Some beam separation. Some minor rot.



Underside of level 2 floor Minor Rot



Ladder to second level structurally acceptable.



Typical structural connection of the underside of the second level considered to be in good structural condition.



Second Level Floor at Ladder to Third Level. Considered to be in good structural condition.



Typical structural connection of the underside of the third level. Considered to be in good structural condition.





Ladder to Third Level. Considered to be in good structural condition.



Third Level Floor covered in metal. Considered to be in good structural condition.



Roof/Wall Connection. Considered to be in good structural condition.



Roof Framing. Considered to be in good structural condition.

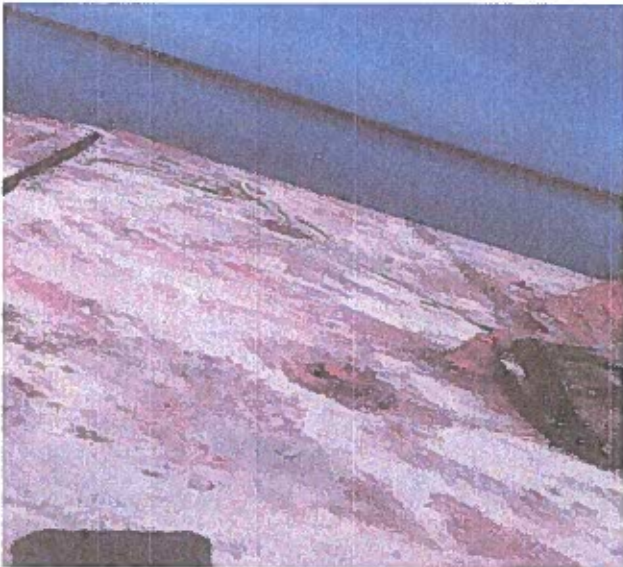




Exterior Upper Balcony consists of metal framing and wood decking. Parts of the wood deck is missing, and most is rotten and unstable. The metal framing appears to be adequate.



Metal Roof appears to be acceptable. No leaking was noted.



It is my understanding that there is consideration to relocate the structure. This report does not consider how the building would be relocated but rather the overall general structural condition.

In conclusion, it is the professional opinion of the undersigned that from a visual structural evaluation the overall condition of the lighthouse can be considered fair to good.

Trusting this meets with your current requirements, I remain.

yours truly,



Vladi Kovich, P.Eng.

