



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada

Pacific Region

401 - 1230 Government Street

Victoria, B.C.

V8W 3X4

Bid Fax: (250) 363-3344

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

Public Works and Government Services Canada -
Pacific Region

401 - 1230 Government Street

Victoria, B. C.

V8W 3X4

| | |
|--|--|
| Title - Sujet Steel Vehicle Ramps | |
| Solicitation No. - N° de l'invitation F1571-155087/A | Date 2016-01-18 |
| Client Reference No. - N° de référence du client F1571-155087 | GETS Ref. No. - N° de réf. de SEAG PW-\$XLV-211-6908 |
| File No. - N° de dossier XLV-5-38219 (211) | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-02-29 | |
| Time Zone Fuseau horaire Pacific Standard Time PST | |
| F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/> | |
| Address Enquiries to: - Adresser toutes questions à: Buchan, Torrey | Buyer Id - Id de l'acheteur xl211 |
| Telephone No. - N° de téléphone (250) 363-3249 () | FAX No. - N° de FAX (250) 363-3960 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: FISHERIES AND OCEANS CANADA SEE HEREIN | |

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

Part 1 General Information: provides a general description of the requirement;

Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;

Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;

Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;

Part 5 Certifications: includes the certifications to be provided;

Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by bidders; and

Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Requirement, and the Basis of Payment, and any other annexes.

1.2 Summary

Fisheries and Oceans Canada has a requirement for two (2), 20-ton Heavy Steel Vehicle Ramps and one (1) 40-ton Heavy Steel Vehicle Ramps, for delivery to multiple locations within British Columbia. The ramps will be used in a marine environment to provide access for DFO vehicles to floating docks and pontoons.

There exists an option to acquire an additional one (1) 20-ton and two (2) 40-ton vehicle ramps. The deliverables have multiple delivery deadlines.

Bidders must provide a list of names, or other related information as needed, pursuant to section 01 of Standard Instructions 2003.

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

1.3 Debriefings

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

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2015-09-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

- Section I: Technical Bid - Two hard copies and one soft copy on USB flash drive;
Section II: Financial Bid - One hard copy and one soft copy on USB flash drive;
Section III: Certifications - One hard copy and one soft copy on USB flash drive;
* The soft copies for all sections should be provided on a single USB flash drive.

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

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

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

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

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

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

3.1.1 Section I: Technical Bid

In their technical bid, bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

3.1.2 Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Financial Bid Presentation Sheet at Annex H. The total amount of Applicable Taxes must be shown separately.

3.1.2.1 Exchange Rate Fluctuation

SACC Manual clause C3011T (2013-11-06), Exchange Rate Fluctuation

3.1.3 Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Financial Evaluation

SACC Manual clause A0220T (2014-06-26), Evaluation of Price

4.2 Basis of Selection

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default in carrying out any of its obligations under the Contract, if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

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

5.1 Certifications Required with the Bid

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

5.1.1 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed Declaration Form, to be given further consideration in the procurement process.

5.2 Certifications Required Precedent to Contract Award

5.2.1 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 Section 01 Integrity Provisions - Bid of Standard Instructions [2003](#). The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](#)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.

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

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex J, Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

5.2.3 Education and Experience

The Bidder certifies that all the information provided in the résumés and supporting material submitted with its bid, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Bidder to be true and accurate. Furthermore, the Bidder warrants that every individual proposed by the Bidder for the requirement is capable of performing the Work described in the resulting contract.

5.2.4 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability.

PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS

6.1 Financial Capability

SACC Manual clause A9033T (2012-07-16), Financial Capability

6.2 Insurance Requirements

The Bidder must provide a letter from an insurance broker or an insurance company licensed to operate in Canada stating that the Bidder, if awarded a contract as a result of the bid solicitation, can be insured in accordance with the Insurance Requirements specified in Annex C.

If the information is not provided in the bid, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

6.3 Contract Financial Security

If the bid is accepted, the Bidder must provide one of the following contract financial securities within 10 calendar days after the date of contract award. The Bidder is to indicate below, the type of Contract Financial Security they intend to provide and for which they have inserted a cost in Annex H:

EITHER

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- a. a performance bond (form PWGSC-TPSGC 505) and a labour and material payment bond (form PWGSC-TPSGC 506), each in the amount of 50% percent of the contract price. Any bond must be accepted as security by one of the bonding companies listed in Treasury Board Contracting Policy, Appendix L, Acceptable Bonding Companies.

OR

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- b. a security deposit (as defined in Paragraph 4 below) to the value of 10 percent of the contract price.
2. Security deposits in the form of government guaranteed bonds with coupons attached will be accepted only if all coupons that are unmaturing, at the time the security deposit is provided, are attached to the bonds. The Contractor must provide written instructions concerning the action to be taken with respect to coupons that will mature while the bonds are pledged as security, when such coupons are in excess of the security deposit requirement.
3. If Canada does not receive the required financial security within the specified period, Canada may terminate the Contract for default pursuant to the Contract default provision.
4. In this clause:

"security deposit" means

- a. a bill of exchange that is payable to the Receiver General for Canada and certified by an approved financial institution or drawn by an approved financial institution on itself; or
- b. a government guaranteed bond; or
- c. an irrevocable standby letter of credit, or
- d. such other security as may be considered appropriate by the Contracting Authority and approved by Treasury Board;

"approved financial institution" means

- a. any corporation or institution that is a member of the Canadian Payments Association;
- b. a corporation that accepts deposits that are insured by the Canada Deposit Insurance Corporation or the "Régie de l'assurance-dépôts du Québec" to the maximum permitted by law;
- c. a credit union as defined in paragraph 137(6) of the Income Tax Act;
- d. a corporation that accepts deposits from the public, if repayment of the deposits is guaranteed by a Canadian province or territory;
- e. the Canada Post Corporation.

"government guaranteed bond" means

- a. a bond of the Government of Canada or a bond unconditionally guaranteed as to principal and interest by the Government of Canada that is:
 - i. payable to bearer;
 - ii. accompanied by a duly executed instrument of transfer of the bond to the Receiver General for Canada in accordance with the Domestic Bonds of Canada Regulations;
 - iii. registered in the name of the Receiver General for Canada.

"irrevocable standby letter of credit" means

- a. means any arrangement, however named or described, whereby a financial institution (the "Issuer"), acting at the request and on the instructions of a customer (the "Applicant"), or on its behalf,
 - i. will make a payment to or to the order of Canada, as the beneficiary;
 - ii. will accept and pay bills of exchange drawn by Canada;
 - iii. authorizes another financial institution to effect such payment, or accept and pay such bills of exchange; or
 - iv. authorizes another financial institution to negotiate, against written demand(s) for payment, provided that the conditions of the letter of credit are complied with.

"conditions" of the letter of credit are

- a. must state the face amount which may be drawn against it;
- b. must state its expiry date;
- c. must provide for sight payment to the Receiver General for Canada by way of the financial institution's draft against presentation of a written demand for payment signed by the authorized departmental representative identified in the letter of credit by his/her office;
- d. must provide that more than one written demand for payment may be presented subject to the sum of those demands not exceeding the face amount of the letter of credit;
- e. must provide that it is subject to the International Chamber of Commerce (ICC) Uniform Customs and Practice for Documentary Credits, 2007 Revision, ICC Publication No. 600;
- f. must clearly specify that it is irrevocable or considered to be irrevocable pursuant to article 6c) of the ICC Uniform Customs and Practice for Documentary Credits, 2007 Revision, ICC Publication No. 600; and
- g. must be issued (Issuer) or confirmed (Confirmer), in either official language, by a financial institution that is a member of the Canadian Payments Association and is on the letterhead of the Issuer or Confirmer. The format is left to the discretion of the Issuer or Confirmer.

6.4 Workers' Compensation – Letter of Good Standing

The Bidder must have an account in good standing with the applicable provincial or territorial Workers' Compensation Board.

The Bidder must provide, within **twenty-four hours** following a request from the Contracting Authority, a certificate or letter from the applicable Workers' Compensation Board confirming the Bidder's good standing account. Failure to comply with the request may result in the bid being declared non-responsive.

6.5 Welding Certification

Welding must be performed by a welder certified by the Canadian Welding Bureau and in accordance with the requirements of the following Canadian Standards Association (CSA) standards:

- a. CSA W47.1-09 (R2014), Certification of Companies for Fusion Welding of Steel (minimum division level 2.1).

Before contract award and within **twenty-four hours** of the written request by the Contracting Authority, the successful Bidder must submit evidence demonstrating its (or its subcontractor's) certification to the welding standards.

6.6 Valid Labour Agreement

If the Bidder has a labour agreement, or other suitable instrument, in place with its unionized labour or workforce, it must be valid for the proposed period of any resulting contract. Before contract award and within **twenty-four hours** of the written request by the Contracting Authority, the Bidder must provide evidence of that agreement.

6.7 List of Proposed Sub-contractors

As part of their Technical Bid, Bidders must submit a completed Annex L, Subcontractor List.

If the bid includes the use of subcontractors, the bidder must submit a completed Annex M, Subcontractor List, which includes a description of the things to be purchased, a description of the work to be performed by specification section and the location of the performance of that work. The list should not include the purchase of off-the-shelf items, software and such standard articles and materials as are ordinarily produced by manufacturers in the normal course of business, or the provision of such incidental services as might ordinarily be subcontracted in performing the Work, i.e. subcontract work valued at less than \$1,000.00.

6.8 Preliminary Project Schedule

- 6.8.1 As part of their technical bid, the Bidder must submit their preliminary project schedule, in MS Project, MS Excel format, or equivalent. The project schedule must include the Bidder's work breakdown structure, the scheduling of main activities and milestone events, and any potential problem areas involved in completing the Work.
- 6.8.2 For the bidders scheduling purposes only, assume the contract will be awarded on **March 7, 2016**.

6.9 ISO 9001:2008 – Quality Management Systems

Before contract award and within **twenty-four hours** of the written request by the Contracting Authority, the Bidder must provide its current ISO Registration Documentation indicating its registration to ISO 9001:2008.

Documentation and procedures of bidders not registered to the ISO standards may be subject to a Quality System Evaluation (QSE) by the Inspection Authority or designate before award of a contract.

6.10 Contractor's Quality Management System

1. As part of their technical bid, the Bidder must provide objective evidence that it has a Quality Assurance Program, which must be in place during the performance of the Work, and which addresses the quality control elements below.
2. The objective evidence may be in the form of a copy of the Bidder's Quality Assurance Manual which addresses these elements.
3. The Bidder must also provide a minimum of two (2) samples of completed quality records used on the most recent marine vessel construction at its facility.
4. The quality control elements must include, as a minimum:

Management Representative

Quality Assurance Manual
Quality Assurance Program Descriptions
Quality Reporting Organization
Documentation
Measuring and Testing Equipment
Procurement
Inspection and Test Plan
Incoming Inspection
In-Process Inspection
Final Inspection
Special Processes
Quality Records
Non Conformance Corrective Action

1. Bidders' facilities may be audited by Canada, or its authorized representative, prior to award of contract to ensure that a system is in place in accordance with the foregoing requirement.

PART 7 - RESULTING CONTRACT CLAUSES

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

7.1 Requirement

The Contractor must provide the items detailed under the "Requirement" at Annex A.

7.1.1 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire up to one (1) additional 20-ton ramps and two (2) additional 40-ton ramps as described at *Annex A* of the Contract under the same conditions and at the prices and/or rates stated in Annex B of the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise any or all of the options on or before June 15, 2016.

7.2 Standard Clauses and Conditions

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

7.2.1 General Conditions

2030 (2015-09-03), General Conditions - Higher Complexity - Goods, and
1031-2 (2012-07-16), Contract Cost Principles, apply to and form part of the contract.

7.3 Term of Contract

7.3.1 Delivery Date

All the deliverables must be received on or before the following deadlines:

| Module | Delivery Location | Delivery Deadline |
|--------------------------|--|-------------------|
| Unit 1 – 20 Ton | Institute of Ocean Sciences – Sidney, BC. | 29 juillet, 2016 |
| Unit 2 – 20 Ton | Pacific Biological Station – Nanaimo, BC | 29 juillet, 2016 |
| Unit 3 – 40 Ton | Small Craft Harbours – Steveston, BC. | October 31, 2016 |
| Optional Unit 1 – 20 Ton | Small Craft Harbours – Steveston, BC. | February 15, 2017 |
| Optional Unit 2- 40 Ton | Small Craft Harbours – Steveston, BC. | March 15, 2017 |
| Optional Unit 3 – 40 Ton | Small Craft Harbours – Steveston, BC. | March 31, 2017 |

7.3.2 Shipping Instructions – Delivered Duty Paid

Goods must be consigned and delivered to the destination specified in the contract:
Incoterms 2000 "DDP Delivered Duty Paid" to the locations stated in Annex A.

7.3.3 Failure to Deliver

Delivery is an essential part of this contract. Except for excusable delays notified in accordance with Section 11 of 2030 General Conditions - Higher Complexity - Goods, failure to deliver by the date(s) specified in this

Contract will prejudice the Government of Canada and will, at the Government of Canada's discretion, entail either:

- A. Contract Termination in accordance with 2030 General Conditions Sections 10 (Time of the Essence) and 30 (Default by the Contractor); or
- B. Consideration for Contract Amendment. Delivery date(s) will not be extended without consideration being provided by the Contractor in the form of adjustment to the price, warranty, quantity and / or service to be provided.

7.4 Authorities

7.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Torrey Buchan
Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Acquisitions, Marine
Address: 1230 Government Street, Suite 401
Victoria, BC
V8W 3X4 Canada

Telephone: 250-216-2092
Facsimile: 250-363-3960
E-mail address: torrey.buchan2@pwgsc-tpsgc.gc.ca

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

7.4.2 Technical Authority

The Technical Authority for the Contract is provided upon Contract award.

Name: _____
Title: _____
Organization: _____

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

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

7.4.3 Inspection Authority

The Inspection Authority for the Contract is the Technical Authority.

The Inspection Authority is the representative of the department or agency for whom the Work is being performed under the Contract and is responsible for inspection of the Work and acceptance of the finished work. The Inspection Authority may be represented on-site by a designated inspector and any other Government of Canada inspector who may from time to time be assigned in support of the designated Inspector.

7.4.4 Contractor's Representative

Bidder is to complete the table below and submit it with their bid.

| Contact for: | Name | Telephone | Email |
|--------------------|------|-----------|-------|
| Contracting issues | | | |
| Technical issues | | | |
| Invoicing issues | | | |

7.5 Payment

7.5.1 Basis of Payment

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

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

7.5.2 Progress Payments

Canada will make progress payments in accordance with the payment provisions of the Contract, no more than once a month, for cost incurred in the performance of the Work up to 90 percent of the amount claimed and approved by Canada if:

- a. an accurate and complete claim for payment using form PWGSC-TPSGC 1111 and any other document required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract.
 - b. the amount claimed is in accordance with the basis of payment;
 - c. the total amount for all progress payments paid by Canada does not exceed 90 percent of the total amount to be paid under the Contract;
 - d. all certificates appearing on form PWGSC-TPSGC 1111 have been signed by the respective authorized representatives.
2. The balance of the amount payable will be paid in accordance with the payment provisions of the Contract upon completion and delivery of all work required under the Contract if the Work has been accepted by Canada and a final claim for the payment is submitted.
 3. Progress payments are interim payments only. Canada may conduct a government audit and interim time and cost verifications and reserves the rights to make adjustments to the Contract

from time to time during the performance of the Work. Any overpayment resulting from progress payments or otherwise must be refunded promptly to Canada.

7.5.3 Warranty Holdback

A warranty holdback of 5% of the contract price will be applied to the payment of the final invoice. This holdback will be payable by Canada upon the expiry of a 90 day holdback period. Applicable Taxes will be calculated on the warranty holdback amount and paid at the time that the warranty holdback is released.

7.5.4 Discretionary Audit

SACC Manual clause C0100C (2010-01-11), Discretionary Audit - Commercial Goods and/or Services

7.5.5 Time Verification

SACC Manual clause C0711C (2008-05-12), Time Verification

7.6 Invoicing Instructions

1. The Contractor must submit a claim for payment using form [PWGSC-TPSGC 1111](#), Claim for Progress Payment.
Each claim must show:
 - a. all information required on form [PWGSC-TPSGC 1111](#);
 - b. all applicable information detailed under the section entitled "Invoice Submission" of the general conditions;
 - c. the description and value of the milestone claimed as detailed in the Contract.
2. Each claim must be supported by an invoice on the Contractor's letterhead.
3. Applicable Taxes must be calculated on the total amount of the claim before the holdback is applied. At the time the holdback is claimed, there will be no Applicable Taxes payable as it was claimed and payable under the previous claims for progress payments.
4. The Contractor must prepare and certify one original and two (2) copies of the claim on form [PWGSC-TPSGC 1111](#), and forward it to the Inspection Authority identified under the section entitled "Authorities" of the Contract for appropriate certification after inspection and acceptance of the Work takes place.

The Inspection Authority will then forward the original and two (2) copies of the claim to the Contracting Authority for certification and onward submission to the Payment Office for the remaining certification and payment action.

4. The Contractor must not submit claims until all work identified in the claim is completed.

7.7 Certifications

7.7.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the associated information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

7.7.2 Workers' Compensation

The Contractor must maintain its account in good standing with the applicable provincial or territorial Workers' Compensation Board for the duration of the Contract.

7.7.3 Welding Certification

- 7.7.3.1 The Contractor must ensure that welding is performed by a welder certified by the Canadian Welding Bureau (CWB) in accordance with the requirements of the following Canadian Standards Association (CSA) standards:
CSA W47.1-03, Certification for Companies for Fusion Welding of Steel (*Minimum Division Level 2.1*)
- 7.7.3.2 In addition, welding must be done in accordance with the requirements of the applicable drawings and specifications.
- 7.7.3.3 Before the commencement of any fabrication work, and upon request from the Inspection Authority, the Contractor must provide approved welding procedures and/or a list of welding personnel he intends to use in the performance of the Work. The list must identify the CWB welding procedure qualifications attained by each of the personnel listed and must be accompanied by a copy of each person's current CWB welding certification. Before the commencement of any fabrication work, and upon request from the Inspection Authority, the Contractor must provide approved welding procedures and/or a list of welding personnel he intends to use in the performance of the Work. The list must identify the CWB welding procedure qualifications attained by each of the personnel listed and must be accompanied by a copy of each person's current CWB welding certification.

7.7.4 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

7.8 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____.

7.9 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the Contract Cost Principles 1031-2 (2012-07-16);
- (c) the general conditions 2030 (2015-09-03), General Conditions - Higher Complexity – Goods;
- (d) Annex A, Requirement;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Insurance Requirements;
- (g) Annex D, Warranty Procedures;
- (h) Annex E, Procedure for Implementing Additional Work;
- (i) Annex F, Project Management Services;
- (j) Annex G, Questions and Answers;
- (k) the Contractor's bid dated _____.

7.10 Insurance

The Contractor must comply with the insurance requirements specified in Annex C. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.

The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

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

7.11 Contract Financial Security

1. The Contractor must provide one of the following contract financial securities within 10 calendar days after the date of contract award:
 - a. a performance bond form [PWGSC-TPSGC 505](#) and a labour and material payment bond form [PWGSC-TPSGC 506](#), each in the amount of 50 percent of the Contract Price; or
 - b. a security deposit as defined in clause [E0008C](#) in the amount of 10 percent of the Contract Price.

Any bond must be accepted as security by one of the bonding companies listed in [Treasury Board Contracting Policy, Appendix L](#), Acceptable Bonding Companies.

2. Security deposits in the form of government guaranteed bonds with coupons attached will be accepted only if all coupons that are unmaturing, at the time the security deposit is provided, are attached to the bonds. The Contractor must provide written instructions concerning the action to be taken with respect to coupons that will mature while the bonds are pledged as security, when such coupons are in excess of the security deposit requirement.
3. If Canada does not receive the required financial security within the specified period, Canada may terminate the Contract for default pursuant to the Contract default provision.
4. Security Deposit Definition - Contract
 1. "security deposit" means
 - a. a bill of exchange that is payable to the Receiver General for Canada and certified by an approved financial institution or drawn by an approved financial institution on itself; or
 - b. a government guaranteed bond; or
 - c. an irrevocable standby letter of credit, or

-
- d. such other security as may be considered appropriate by the Contracting Authority and approved by Treasury Board;
2. "approved financial institution" means
- a. any corporation or institution that is a member of the Canadian Payments Association;
 - b. a corporation that accepts deposits that are insured by the Canada Deposit Insurance Corporation or the Régie de l'assurance-dépôts du Québec to the maximum permitted by law;
 - c. a credit union as defined in paragraph 137(6) of the [Income Tax Act](#);
 - d. a corporation that accepts deposits from the public, if repayment of the deposits is guaranteed by a Canadian province or territory; or
 - e. the Canada Post Corporation.
3. "government guaranteed bond" means a bond of the Government of Canada or a bond unconditionally guaranteed as to principal and interest by the Government of Canada that is:
- a. payable to bearer;
 - b. accompanied by a duly executed instrument of transfer of the bond to the Receiver General for Canada in accordance with the [Domestic Bonds of Canada Regulations](#);
 - c. registered in the name of the Receiver General for Canada.
4. "irrevocable standby letter of credit"
- a. means any arrangement, however named or described, whereby a financial institution (the "Issuer"), acting at the request and on the instructions of a customer (the "Applicant"), or on its behalf,
 - i. will make a payment to or to the order of Canada, as the beneficiary;
 - ii. will accept and pay bills of exchange drawn by Canada;
 - iii. authorizes another financial institution to effect such payment, or accept and pay such bills of exchange; or
 - iv. authorizes another financial institution to negotiate, against written demand(s) for payment, provided that the conditions of the letter of credit are complied with.
 - b. must state the face amount which may be drawn against it;
 - c. must state its expiry date;
 - d. must provide for sight payment to the Receiver General for Canada by way of the financial institution's draft against presentation of a written demand for payment signed by the authorized departmental representative identified in the letter of credit by his/her office;

- e. must provide that more than one written demand for payment may be presented subject to the sum of those demands not exceeding the face amount of the letter of credit;
 - f. must provide that it is subject to the International Chamber of Commerce (ICC) Uniform Customs and Practice (UCP) for Documentary Credits, 2007 Revision, ICC Publication No. 600. Pursuant to the ICC UCP, a credit is irrevocable even if there is no indication to that effect; and
 - g. must be issued (Issuer) or confirmed (Confirmer), in either official language, by a financial institution that is a member of the Canadian Payments Association and is on the letterhead of the Issuer or Confirmer. The format is left to the discretion of the Issuer or Confirmer.
5. **Term of Financial Security**
Any bond, bill of exchange, letter of credit or other security provided by the Contractor to Canada in accordance with the terms of the Contract must not expire before 90 days after the completion date indicated in the Contract.

Provided that no risk will accrue to Canada as a result, The Contracting Authority can, at its sole discretion, return the financial security to the Contractor before the expiration date indicated in the Contract.

7.12 Trade Qualifications

The Contractor must use qualified, certificated (if applicable) and competent tradespeople and supervision to ensure a uniform high level of workmanship. The Inspection Authority may request to view and record details of the certification and/or qualifications held by the Contractor's tradespeople. This request should not be unduly exercised but only to ensure qualified tradespeople are on the job

7.13 Sub-contract and Sub-contractor List

The Contracting Authority is to be notified, in writing, of any changes to the list of subcontractors before commencing the work.

When the Contractor sub-contracts work, a copy of the sub-contract purchase order is to be passed to the Contracting Authority. In addition, the Contractor must monitor progress of sub-contracted work and inform the Inspection Authority or designate on pertinent stages of work to permit inspection when considered necessary by the Inspector.

7.14 Project Schedule

The Contractor must provide a detailed work schedule to the Contracting and Technical Authorities no later than five (5) calendar days after the contract award date showing the commencement and completion dates for the Work in the available work period, including realistic target dates for significant events. During the Work Period the schedule is to be reviewed on an ongoing basis by the Inspection Authority and the Contractor, updated when necessary, and available in the Contractor's office for review by Canada's authorities to determine the progress of the Work.

The schedules must be revised on a pre-defined basis. (The revised schedules must show the effect of progressed work and approved design changes. Any changes to the dates of the Work Period of the contract due to unscheduled work will not be accepted except as negotiated in accordance with Annex E, Procedures for Processing Additional Work.

7.14.1 Progress review report

Progress Review Reports shall be provided detailing the Work completed to date, a copy of the updated Master Schedule, problems incurred as well as problems solved and how they were solved for the current reporting period. The report shall be provided monthly to the Contracting Authority and should be provided electronically.

7.15 Progress Review and Technical Meetings

7.15.1 Progress Review Meetings shall be held at the Contractor's facility and chaired by the Contracting Authority. The first meeting shall be held within four (4) weeks of Contract Award and the following Progress Review Meetings shall be held as required or as requested by the Contractor, TA, or CA. Attendees will be the Contractor Representatives, the Contracting Authority, Inspection Authority and Technical Authority.

The draft agenda will be provided by the Contractor to the Contracting Authority with a copy to the Inspection Authority and Technical Authority approximately five (5) working days prior to each meeting for review by attendees and request for additions. The final agenda will be provided at the meeting by the Contractor.

The Contractor shall record the minutes of all meetings, and include as a minimum discussion items, records of decisions, all action items, risk items, and a record of conclusions reached at the Technical Meetings. The Contractor will distribute a draft of all minutes to the Contracting Authority, Inspection Authority and Technical Authority for review and comment of Canada prior to issuing the final version. The Minutes shall be signed as accepted by the Contractor, Contracting Authority, Technical Authority and the Inspection Authority once comments are incorporated to the satisfaction of Contracting Authority.

7.15.2 Technical Meetings shall be held as required at the Contractor's facility and chaired by the Technical Authority. Attendees will be the Contractor Representatives, Inspection Authority and Technical Authority.

The Minutes shall be signed as accepted by the Contractor and Technical Authority once comments are incorporated to the satisfaction of Technical Authority.

7.15.3 Wherever possible the Progress Review and Technical Review Meetings will be held together and co-chaired by the Contracting and Technical Authorities. The minutes of these meetings shall be signed as accepted by the Contractor, Contracting Authority and Technical Authority once comments are incorporated to the satisfaction of the Contracting Authority.

7.16 Outstanding Work and Acceptance

1. The acceptance of the Work must be in accordance with form PWGSC-TPSGC 1105, Acceptance.

The Technical Authority or designate, in conjunction with the Contractor, will prepare a list of outstanding work items at the end of the work period. This list will form the annexes to the formal acceptance document for the vessel. A contract completion meeting will be convened by the Inspection Authority on the work completion date to review and sign off the Acceptance Document.

2. The Contractor must complete the above form in three (3) copies, which will be distributed by the Contracting Authority as follows:

- a. original to the Contracting Authority;
- b. one copy to the Technical Authority;
- c. one copy to the Contractor.

7.17 ISO 9001:2008 – Quality Management Systems

The Contractor is responsible for implementing a quality system appropriate to the scope of the work to be performed. It is recommended that the quality system be based on *ISO 9001:2008 "Quality management systems - Requirements."*

The Contractor is responsible for performing or having performed all inspections and tests necessary to substantiate that the materiel or services provided conform to the drawings, specifications and the requirements of the contract. The Contractor must keep accurate and complete inspection records which

must, upon request, be made available to the Inspection Authority, who may make copies and take extracts during the performance of the Contract and for a period of one (1) year after the completion of the Contract.

Despite the above, all materiel is subject to verification and acceptance by the Inspection Authority at destination. The authorized DFO representative at destination may either be the consignee(s), the Technical Authority, or the Inspection Authority.

7.18 Quality Plan

No later than ten (10) calendar days after the effective date of the Contract, the Contractor must submit for acceptance to the Technical Authority a Quality Plan prepared according to the latest issue (at contract date) of ISO 10005:2005 "Quality management systems - Guidelines for quality plans". The Quality Plan must describe how the Contractor will conform to the specified quality requirements of the Contract and specify how the required quality activities are to be carried out, including quality assurance of subcontractors. The Contractor must include a traceability matrix from the elements of the specified quality requirements to the corresponding paragraphs in the Quality Plan.

The documents referenced in the Quality Plan must be made available when requested by the Technical Authority.

If the Quality Plan was submitted as part of the bidding process, the Contractor must review and, where appropriate, revise the submitted plan to reflect any changes in requirements or planning which may have occurred as a result of pre-contract negotiations.

Upon acceptance of the Quality Plan by the Technical Authority, the Contractor must implement the Quality Plan. The Contractor must make appropriate amendments to the Quality Plan throughout the term of the contract to reflect current and planned quality activities. Amendments to the Quality Plan must be acceptable to the Technical Authority.

7.19 Insulation Materials – Asbestos Free

All materials used to insulate the Work must meet Transport Canada Marine standards, for commercial marine work, and, for all work, be free from asbestos in any form.

7.20 SACC Manual clauses

A9055C (2010-08-16), Scrap and Waste Material;

**ANNEX A
REQUIREMENT**

Small Craft Harbours Branch

Technical Specifications

VEHICLE RAMP TO FLOATING DOCK

SMALL CRAFT HARBOURS

B.C.

DECEMBER, 2015

TECHNICAL SPECIFICATIONS

| SECTION | TITLE |
|----------|-------------------------------|
| 00 00 01 | Technical Specification Index |
| 01 00 00 | General Requirements |
| 00 51 00 | Structural Steel Work |
| 00 55 00 | Metal Fabrication |
| 00 98 00 | Painting |

DRAWINGS

Vehicle Ramp for 40,000 kg GVW Semitrailers

| | |
|------------|--|
| 215132-001 | General Arrangement |
| 215132-002 | Elevation in High/Low Position |
| 215132-003 | Ramp Arrangement |
| 215132-004 | Ramp Details – Sheet 1 of 2 |
| 215132-005 | Ramp Details – Sheet 2 of 2 |
| 215132-006 | Abutment Apron – Plan, Sections and Details |
| 215132-007 | Float Apron – Plan, Sections and Details |
| 215132-008 | Abutment & Float Aprons – Sections and Details |
| 215132-009 | Ramp Grating – Arrangement and Details |

Vehicle Ramp for 20,000 kg GVW Straight Trucks

| | |
|------------|--|
| 215132-101 | General Arrangement |
| 215132-102 | Elevation In High/Low Position |
| 215132-103 | Ramp Arrangement |
| 215132-104 | Ramp Details – Sheet 1 of 2 |
| 215132-105 | Ramp Details – Sheet 2 of 2 |
| 215132-106 | Abutment Apron – Plan, Sections and Details |
| 215132-107 | Float Apron – Plan, Sections and Details |
| 215132-108 | Abutment & Float Aprons – Sections and Details |
| 215132-109 | Ramp Grating – Arrangement and Details |

END OF SECTION

SECTION 01 00 00 – GENERAL REQUIREMENTS

1 GENERAL

- .1 The Standard General Conditions of these specifications form an integral part of this section.

2 MINIMUM STANDARDS

- .1 In the absence of other standards specified in the Contract Documents, all work is to conform to, or exceed, the minimum standards of the Canadian Government Specifications Boards, the Canadian Standards Association, the American Society for Testing of Materials, or the National Building Code of Canada, whichever is applicable.
- .2 All work to be done in accordance with Work Safe BC regulations.

3 BARRIERS, LIGHTS AND WATCHING

- .1 The Contractor shall provide all requisite barriers, fences, warning signs, lights and watching for the protection of persons and property on or adjacent to the site.

4 SITE ACCESS

- .1 The Contractor shall erect and maintain barriers, fences, lights, warning devices, and other protective devices as may be required for prevention of theft or damage of goods and protection of the public and workmen, or if so ordered by the Engineer.

5 CLEAN-UP

- .1 At all times the Contractor shall keep the work site free from accumulation of waste material and debris.

6 PROGRESS REPORT

- .1 The Contractor shall keep a daily record of progress of the work available for inspection by the Engineer.
- .2 The daily record shall include particulars of number and type of personnel working on the project and work performed.

7 ENGINEER'S ACCESS

- .1 The Contractor shall provide access to the work for the Engineer's inspectors and surveyors as required.

8 PERMITS AND ROYALTIES

- .1 All permits and licenses required are the responsibility of the Contractor and shall be for the Contractor's account. The Contractor shall have the appropriate business license.

9 PREVENTION OF WATER AND AIR POLLUTION

- .1 The Contractor shall comply with Federal and Provincial laws, orders and regulations concerning the control and abatement of water and air pollution.

10 CARE OF FINISHED WORK

- .1 The Contractor shall protect all finished work from injury, defacement, unauthorized entry, or trespass until such time as the work described in the Contract Documents is substantially complete.

11 NOISE BY-LAWS

- .1 The Contractor shall comply with the requirements of any local or other Noise By-Laws.

END OF SECTION

SECTION 00 51 00 – STRUCTURAL STEEL WORK

1 GENERAL

- .1 All fabrication and assembly of structural steel shall comply with Standard CAN/CSA-S6, latest revision.

2 MATERIALS

- .1 Hollow structural steel sections shall conform to CSA Standard G40.20/G40.21-M, Class "C", Grade 350W.
- .2 All other rolled sections and miscellaneous plate shall be grade 300W or better, unless noted otherwise on the drawings, in conformance with CSA Standard G40.20/G40.21-M.
- .3 All structural steel members shall be made of the size and weight shown on the drawings unless written approval for any change is first obtained from the Engineer.
- .4 Bolts, washers and nuts shall conform to ASTM specification A325.

3 WELDING

- .1 Welding practice and qualifications of welders and erectors of welded construction shall conform to the requirements of CSA Standards W47, W48, and W59 latest editions. The metallurgy of weld metal shall be similar to the parent material.
- .2 Unless noted otherwise, all welds shall develop the full strength of the connected members, and shall be continuous seal welds with a minimum 6mm leg length.
- .3 Where on the drawings it is called for double sided welding; the welding details called for on the near side shall be duplicated on the far side if not called up otherwise.

4 INSPECTION

- .1 The Contractor shall furnish all facilities for inspecting and testing the weight, dimensions and quality of workmanship at the shop where the material is fabricated.
- .2 The Engineer shall be notified well in advance of the start of work, in order to allow sufficient time for inspection of material and workmanship.

5 SHOP DRAWINGS

- .1 The Contractor shall prepare and submit shop drawings with metric dimensions.
- .2 The Contractor shall submit three prints or an electronic copy in PDF of the shop drawings for the Engineer's review prior to commencing fabrication. If shop drawings are not to the Engineer's satisfaction, they will be returned with the notation "Resubmit". Drawings that have been returned with the notation "Reviewed" would allow fabrication to commence.
- .3 The review of shop drawings will be for size and arrangement of members and strength of connections. Any errors in dimensions shown on the shop drawings shall be the responsibility of the Contractor.
- .4 Upon completion of the project, all reviewed shop drawings shall be submitted to the owner along with the As-Built marked drawings. In addition, diskettes containing all shop drawings shall be submitted.

6 COATINGS

- .1 Except as noted below, all structural and miscellaneous steel shall be painted in accordance with the requirements of Section 00 98 00 – Painting.
- .2 Bolts, washers and nuts shall be hot dip galvanized in accordance with ASTM Specifications A-153 or A-123 or CSA G 164-M (minimum zinc coating 610 g/m²).
- .3 Grating shall be hot dip galvanized in accordance with CSA Specification G 164-M (minimum zinc coating 610 g/m²).
- .4 Touch up all damaged painted surfaces immediately upon delivery of the ramp as per Section 00 98 00 – Painting.

END OF SECTION

SECTION 00 55 00 – METAL FABRICATION

1 GENERAL

- .1 The Contractor shall supply all material and bolts required for the work.
- .2 This section covers the requirements for the supply, detailing, fabrication, assembly and delivery of the steelwork shown in the Drawings and Specifications.
- .3 The latest edition of, and any standard referenced by, the following standards shall apply to the work.
 - a) CSA G40.21M - Structural Quality Steel
 - b) CSA W48.1 - Mild Steel Covered Arc - Welding Procedures
 - c) CSA W59 - Welded Steel Construction
- .4 Alternative Details
All details shall, in general conform to those shown on the Drawings. Alternative details may be substituted to facilitate the Contractor's shop procedures and to suit his standard detailing practice, provided such alternative details comply in all respects with these Specifications and do not require an appreciable increase in weight of metal. The Contractor shall submit all proposed Alternate Details for review and acceptance by the Engineer prior to performing any of the Work or procuring any of the material for the Alternative Details.

2 WORKING DRAWINGS

- .1 Working drawings shall consist of shop detail drawings, assembly diagrams and other working drawings showing details, dimensions, sizes, material and other information necessary for the complete fabrication of the steelwork.

The Contractor shall submit shop drawings in accordance with Section 00 51 00. The Contractor shall allow a minimum of one (1) week for review of shop drawings by the Engineer.
- .2 Discrepancies or vague references shall be clarified by the Contractor before proceeding with the fabrication of metal work; otherwise errors in dimensions shall be corrected at the Contractor's expense.

3 QUALIFICATIONS AND EQUIPMENT

- .1 Contractor
The Contractor shall produce evidence that his plant is currently fully approved by the CWB to perform pile splices to the requirements of C.S.A. Specification W47.1 Div. 2.1 or better.

The Contractor shall also produce evidence of satisfactory experience in the fabrication of heavy structural steelwork.

The fabricator shall appoint, subject to the Engineer's approval, an employee who shall assist and be responsible to the welding engineer.

Unless such information has already been forwarded to the Owner, the Contractor shall submit to the Engineer the names of the welding engineer, welding supervisors and shop inspectors who are to be employed on the work.

.2 Operators

The Contractor shall produce evidence that all welding operators to be employed on the work are currently qualified by the CWB in the processes in which they are to be employed on the work. Such qualifications shall have been issued within two (2) years of the commencement of fabrication.

Expired welding certificates are not acceptable for qualification; ONLY current valid qualifications will be recognized by the Owner.

The Contractor shall also produce evidence relative to each operator, that he has been executing satisfactory welding in the required processes within the six (6) month period previous to the award of this contract.

.3 Welding Equipment

All equipment to be used in the work shall be in good working order and shall be subject to the inspection of the Engineer.

.4 Welding Procedures

The Contractor shall submit copies of the welding procedures which he intends to use for examination and approval by the Engineer.

Such procedures shall be accompanied by documentary proof that they have been qualified previously by the Canadian Welding Bureau at the plant where the work is to be carried out.

The procedures shall include the following information: joint type, welding process, welding position, base metal specification, welding consumable specification and size, preheat requirements, amperage and voltage requirements, speed, polarity, and welding equipment, including a description of travel for automatic welding.

4 MATERIALS

.1 Structural Steel

Steel shall conform to the requirements as called for on the drawings.

Prior to fabrication, the Contractor shall supply to the Engineer, manufacturer's mill certificates giving details of all chemical and physical properties of the steel to be used in the work.

Steel shall be supplied free of surface defects and internal discontinuities, with due regard for the end use of the steel in the contract.

Edges of all plates will be subject to inspection by the Engineer. Any discontinuities will be explored and may be accepted, subject to ASTM A435.

The Engineer shall be supplied with a record of all observed discontinuities.

Repairs to defective plates shall not proceed until approval of the proposed repair has been given by the Engineer.

.2 Welding Consumables

Welding consumables for all processes shall be certified by the manufacturer as complying with the requirements of the following specification:

- a) Manual, shielded metal arc welding - All electrodes for manual shielded metal arc welding shall conform to A.W.S. Specifications A.5.1 classification E7018.
- b) Gas, metal arc welding - All electrodes used in the gas, metal arc welding process shall be composite electrodes conforming to A.W.S. Specification A.5.18, classification E70T-9. The use of micra wire will not be permitted.
- c) Shielding gas shall be welding grade carbon dioxide with a guaranteed dew point of -45°C.
- d) Submerged arc welding - Welding electrodes and fluxes used in the submerged arc welding process shall conform to A.W.S. Specification A.5.17 and shall produce a weld to classification F72 - EM 12 K or approved equivalent.

.3 Bolts

Bolts, nuts and washers shall be hot-dip galvanized and shall conform to the requirements of ASTM Specification A325, Type I of North American or European manufacture only.

5 MATERIAL STORAGE

.1 Steel

Structural material, either plain or fabricated, shall be stored at the Contractor's shop or elsewhere, above the ground upon platforms, skids, or other supports. It shall be kept free from dirt and other foreign matter, and shall be protected as far as practical from corrosion. Long members shall be supported on skids placed near enough together to prevent injury from deflection.

Prior to fabrication, all steel shall be marked for identification by the heat number and specification by a marking system approved by the Engineer.

.2 Welding Consumables

All electrodes having low hydrogen coverings shall be dried for at least two (2) hours between 230°C and 260 °C before they are used. Electrodes shall be stored immediately after drying in storage ovens held at a temperature of at least 120°C. Electrodes that are not used within four (4) hours after removal from a drying or storage oven shall be re-dried before use. Electrodes which have been wet shall not be used.

Electrode wire used in submerged arc welding and gas metal arc welding shall be stored in the original container at room temperature and kept free of moisture, oil, dirt or other contaminants.

Flux used for submerged arc welding shall be dry and free of contamination from dirt, mill scale, oil or other foreign material. Fused flux shall not be used on the work.

Gas for gas metal arc welding shall be stored in marked steel bottles and shall not be subjected to temperatures in excess of 50°C nor temperatures of less than 0 °C.

6 PREPARATION OF MATERIAL

.1 Straightening Material

Prior to being used in fabrication, all structural steel shall be straight and free from kinks or bends. If straightening is necessary, it shall be done by methods that will not injure the metal. The steel shall not be heated unless permission is given by the Engineer. Sharp kinks and bends will be cause for rejection of the steel.

.2 Edge Preparation for Welding

The edges of plates or sections which are to be welded together shall be prepared by sawing, shearing, flame-cutting, machining, chipping or arc air gouging to the details shown on the shop drawings.

Surfaces and edges to be welded shall be smooth, uniform and free from fins, tears, cracks and other defects which would adversely affect the quality or strength of the weld. Surfaces to be welded shall also be free from loose scale, slag, rust, grease, moisture or other material that will prevent proper welding. Mill scale that withstands vigorous wire brushing, a light film of drying oil or a thin rust inhibitive coating may remain except that all mill scale shall be removed from the surfaces on which flange-to-web welds are to be made by submerged arc welding or by shielded metal arc welding with low hydrogen electrodes. Surfaces within 50 mm of any weld location shall be free from any paint or other material that would prevent proper welding or produce objectionable fumes while welding.

Edges of material thicker than specified in the following list shall be trimmed if and as required to produce a satisfactory welding edge wherever a weld among the edges to carry calculated stress:

- Sheared edges of material thicker than 12 mm
- Rolled edges of plates (other than Universal Mill Plates thicker than 10 mm)
- Toes of angles or rolled shapes (other than wide flange section thicker than 16 mm)
- Universal Mill Plates or edges of wide flange section thicker than 25 mm.

Edges may be prepared by oxygen cutting, provided a smooth and regular surface free from cracks and notches is secured, and providing that an accurate profile is secured by the use of a mechanical guide. Free hand cutting shall be done only where approved by the Engineer.

In all oxygen cutting, the cutting flame shall be so adjusted and manipulated as to avoid cutting beyond (inside) the prescribed lines. Roughness of cut surfaces shall not be greater than that defined by the United States Standards Institute surface roughness value of 1,000 U.S.A.I.B46.1, Surface Texture). Roughness exceeding this value shall be removed by machining or grinding.

.3 Edge Preparation (non-welded edges)

Steel may be cut to size by sawing, shearing, flame cutting or machining. All steel after cutting shall be marked by a method agreed to by the Engineer so that its specification may be immediately identified.

Sheared edges of plates more than 16 mm in thickness shall be planed to a depth of 6 mm.

Special attention shall be given to the cutting of flange plates. Occasional gouges not in excess of 6 mm deep will be accepted in areas of low stress at the discretion of the Engineer. The repair or removal of such gouges shall be to the Engineer's instructions.

Corners of all exposed flame cut or sheared plates including flanges, gusset plates, etc. shall be ground to a minimum 1.5mm 45 degree bevel to facilitate painting. Re-entrant flame cuts shall be filleted to a radius of not less than 20 mm.

7 FABRICATION

.1 Marking

Prior to fabrication, all steel shall be marked for identification by heat number and specification by a marking system approved by the Engineer.

.2 Bolt Holes

All holes for high tensile bolts shall be either punched, sub-punched and reamed, or drilled, and shall be of a nominal diameter not more than 2 mm in excess of the nominal bolt diameter.

Punched holes shall be clean cut, without torn or ragged edges. The diameter of the die shall not exceed the diameter of the punch by more than 2 mm. If a punched hole must be enlarged to admit a bolt, it shall be reamed.

Reamed holes shall be cylindrical and perpendicular to the member. Where practicable, reamers shall be directed by mechanical means. Reaming shall be done with twist drills. Drilling shall be done with twist drills. Burrs on the outside surfaces shall be removed. Poor matching of holes will be cause of rejection.

Allowable tolerance for bolt holes:

- .1 Matching holes for bolts to register so that a gauge 2 mm less in diameter than hole will pass freely through assembled members at right angles to such members.
- .2 Unless otherwise shown drill all bolt holes 1.6 mm larger than nominal bolt diameter.
- .3 Centre-to-centre distance between two holes of a group of holes to vary by not more than 2 mm from dimensioned distance between such holes.
- .4 Centre-to-centre distance between any group of holes to vary not more than following in Table 1:

| Centre to Centre distance in metres | Tolerance in plus or minus mm |
|---|-------------------------------------|
| less than 10 | 1 |
| 10 to 20 | 2 |
| 20 to 30 | 3 |

- .5 Do not correct mis-punched or mis-drilled members without Engineer's approval.

.3 Pin Holes

All holes for pins shall be drilled and reamed to a diameter tolerance of 0.5 mm. Burrs on the outside surface shall be ground flush.

.4 High Strength Bolts

Installation of high strength bolts shall be in accordance with the latest edition of the AASHTO Specification Section 10.17.4.

Sufficient bolts, nuts and washers shall be furnished to complete the entire structure with an ample surplus to replace all bolts damaged or lost.

Holes in the girder field splices shall be sub-punched and, unless otherwise specified, reamed while assembled in the shop. The assembly, including camber, alignment and accuracy of holes shall be approved by the Engineer before reaming is recommended.

.5 Butt Joints

Except as called for on the drawings, butt joints will not be permitted.

The Contractor may submit an alternative butt joint design provided that such design has been pre-qualified under CSA Standard W59.

.6 Assembly and Welding Sequences

If requested by the Engineer, the Contractor shall supply full details of the proposed assembly and welding sequence of any particular weld.

.7 Shop splices

.1 Locate to Engineer's approval.

.2 Use complete joint penetration groove welds finished flush. Details of butt joints to CSA W59. Use only as approved by Engineer.

.8 Nylon Washers

Machining of washers shall be to the manufacturer's recommendations.

Installation shall be done without use of driving of components to fit. Minor adjustments in face-to-face tolerances of hinge components may be compensated for by planning thickness of washer. If greater than 6.0 mm is to be removed (or added) the steel components shall be corrected.

The Contractor shall supply to the Owner, spares of all sizes of fabricated washers as called for the drawings at the completion of the project.

.9 Bent Plates

When bending plates, the plates shall be so taken from the stock plates that the bend line will be at right angles to the direction of rolling. The radius of the bend measured inside shall be not less than the thickness of the plate. Before bending, the corners of the plate shall be rounded to a radius of 2 mm throughout that portion of the plate at which bending is to occur.

.10 Dimensional Tolerances

The dimensions of the completed steelwork shall comply with the appropriate dimensional tolerances as specified in CSA Standard W59 Welded Steel Construction.

.11 Shipping

Structural members shall be loaded on trucks, cars or barges in such a manner that they can be transported and unloaded at their destination without being excessively stressed, deformed or otherwise damaged.

8.0 WELDING

.1 General

Welding shall be done by the manual, shielded metal arc, gas shielded metal arc or submerged arc processes in accordance with the approved procedures and A.W.S. D1.1 Section 4, Technique.

All Welding shall be done under cover and, in the case of gas metal arc welding, shall be done in an area free from wind or draft.

Butt welds shall be extended beyond the edges of the parts to be joined by means of start and run-off tabs providing sufficient thickness to avoid the weld burning through and with a joint preparation similar to that on the main material. For manual shielded metal arc welding, the width of the tabs shall be not less than the thickness of the thicker part being joined or 75 mm, whichever is greater. For submerged arc welding, the width of the tabs shall be not less than 75 mm. Each weld pass shall be carried far enough beyond the edge of the parts being joined to ensure sound welds in the joint. Tabs shall be removed upon completion and cooling of the weld without damage to the parent plate, and the end of the weld made smooth and flush with the edges of the abutting parts.

In gas metal arc welding, the equipment shall be capable of sustaining a gas flow rate of from 0.85 to 1.25 m³/h.

.2 Preheat and Interpass Temperatures

No welding shall be done when the temperature of the base metal is lower than - 20°C. At temperatures below 0 °C, the steel shall be preheated to a temperature of at least 10°C in excess of that stated in Table 2.

Preheat shall be applied to all steel to be welded so that the steel within 75 mm of the weld is heated to the temperature shown in Table 2.

Preheat shall be applied in such a manner that moisture from the heating equipment does not penetrate the joint.

For all welding processes, preheat and interpass temperatures shall be maintained during welding, at temperatures not less than stated in Table2.

| THICKNESS OF THICKEST PART AT POINT OF WELDING | TEMP. |
|---|-------|
| Less than 20mm | none |
| 20mm to 35mm | 21°C |
| 40mm to 60mm | 66°C |
| Over 60mm | 107°C |

Table 2: Minimum preheat and interpass temperatures

Preheat temperatures above the minimum shown in Table 2 may be required for highly restrained joints if designated by the Engineer.

Preheat temperature shall in no case exceed 200°C but there shall be no limit on interpass temperature.

Preheat requirements for tack welds shall be as in Table 2, except that where single pass tack welds are used and are to be incorporated and consumed in a weld made by the submerged arc and the gas metal arc processes, preheat is unnecessary.

.3 Assembly

The shop assembly of the various components of the weld shall be executed in accordance with A.W.S. D1.1, Subsections 3.3 and 3.4.

Tack welding shall be done by qualified operators, using the smallest size weld required to hold the components of the assembly together. Tack welds shall not be less than 100 mm in length and shall be incorporated in the final weld.

Tack welds shall be made with 5 mm maximum size electrodes and shall be subject to the preheat requirement of the Preheat Clauses.

.4 Welding

- .1 When CAN/CSA-G40.21 grade 350A steel is specified, deposited weld metal to have a Charpy V-Notch value not lower than that of steel.
- .2 Do welding in shop unless otherwise permitted by Engineer.
- .3 Do not weld at locations where weld is not indicated.
- .4 All welds are to be continuous over the entire length of the joint unless otherwise specified.
- .5 Use minimum 6mm fillet weld unless otherwise shown.

.5 Quality and Details of Welds

The quality and details of welds shall be in accordance CSA Standard W59, Clause 12 unless noted otherwise or as specified by the Engineer. Fender panels, mooring structures, walkways, stairs and ladders shall be in accordance with Clause 11.

Undercut at the tow of the flange to web fillet weld will not be allowed except in regions of low stress at the discretion of the Engineer.

9.0 QUALITY ASSURANCE

.1 Inspection

All materials, welding procedures, shop drawings, and steelwork fabrication will be inspected by the Engineer to ascertain compliance with the Owner's Specifications and Drawings.

All phases of fabrication including cutting to size of plates, edge preparation of welded joints, weld assembly and welding will be subject to visual examination by the Engineer.

At his discretion and at the Owner's expense, the Engineer will appoint a testing agent to test any completed or partially completed weld by non-destructive testing methods. Generally, fillet welds will be tested by the dry powder magnetic particle method and butt welds by ultrasonic testing, but this does not preclude the use of another method of testing deemed necessary by the Engineer.

It is desirable that the inspection of welds is carried out as soon as possible after the completion of welding.

The Contractor shall be prepared to move and support the pieces being inspected so that, in general, the inspection can be done on the flat and so that a minimum of 1.25 m of headroom is available.

The Engineer will attempt to schedule non-destructive testing operations so as not to interfere with the progress of the work. However, the Contractor is expected to co-operate with the Engineer and the testing agency in the satisfactory expedition of inspection procedures. The Contractor shall furnish all facilities for access by the testing agency for inspection and testing. The Contractor shall ensure all slag and other residue is removed from the weld when it is completed and ready for weld inspection. Slag removal by the testing agency will be paid for by the Contractor. A minimum of 72 hours notice of any inspection stage being reached shall be given to the Engineer by the Contractor.

.2 Unacceptable Work

Any work found to be unacceptable, shall be corrected in accordance CSA Standard W59. The Contractor shall bear the cost of re-inspection of welds after defects are repaired.

No repair shall be made until agreed to by the Engineer.

10.0 COATINGS

Except as noted below, all structural steel shall be painted in accordance with the requirements of Section 00 98 00 – Painting.

Bolts, washers and nuts shall be hot dip galvanized in accordance with ASTM Specifications A-153 or A-123 or CSA G 164-M (minimum zinc coating 610 g/m²).

Grating shall be hot dip galvanized in accordance with CSA Specification G 164-M (minimum zinc coating 610 g/m²).

The Contractor is advised to handle all materials delicately to prevent paint damage. Nylon slings are to be used at all times when lifting lugs are not available.

Touch up all damaged surfaces immediately upon delivery of the ramp and supply 2 gallons of paint for field touch-up of any damaged paint surface during the installation of the ramp as per 00 98 00 – Painting.

END OF SECTION

SECTION 00 98 00 – PAINTING

1 SCOPE OF WORK

- .1 All ferrous surfaces except galvanized components are to be painted. This includes:
- Steel ramp and aprons complete.

2 APPLICABLE CODES

- .1 All work contained in this section shall comply with the latest edition of the following standards:
- | | |
|--------------|--|
| CGSB | Standards of the Canadian General Standards Board |
| SSPC-SP1 | Solvent Cleaning (degreasing) |
| SSPC-SP2 | Hand Tool Cleaning |
| SSPC-SP7 | Brush-off Blast Cleaning |
| SSPC-SP10 | Near White Blast Cleaning |
| SSPC-SP11 | Power Tool Cleaning to Bare Metal |
| SSPC-GUIDE 6 | Debris Containment |
| ASTM-03276 | Recommended Practice Guide for Paint Inspection |
| ASTM-D3359 | Method for Measuring Adhesion by Tape Test |
| Work Safe BC | Occupational Health and Safety Regulations BC Waste Management Act (SWEP) |
| SSPC-PA2 | Procedure for Determining Conformance to Dry Coating Thickness Requirement |

3 SURFACE PREPARATION

- .1 All steel surfaces to be painted shall be prepared in accordance with the SSPC Manual Volume II and the paint manufacturer's specifications.
- .2 Degrease according to SSPC-SP1 Solvent Cleaning. Remove all weld splatter and grind all welds and sharp edges. Blast clean to SSPC-SP10, Near White Metal Standard.
- .3 Minimum allowable motor anchor pattern is 50 microns (2 mils). Shape of surface profile shall be jagged and irregular, as opposed to peened.
- .4 If chloride substrates measurements are required by Engineer, the chloride concentration shall be less than 3µg/cm² measured by Chlor-Rid test.
- .5 The surface finish shall be approved by a representative of the Owner or the paint manufacturer before application of any coatings.

4 PAINT APPLICATION

- .1 Coatings shall be applied in accordance with the manufacturer's specifications. All blast cleaning and shop painting shall be carried out under cover in an area protected from weather and other detrimental effects.
- .2 Paint application should commence prior to any presence of rust bloom and within 8 hrs following abrasive blasting.
- .3 Paint manufacturers recommendation for application parameters shall be consulted to identify minimum and maximum temperatures, relative humidity and dew point restrictions and pot life. Consult paint manufacturer for further information.

5 PAINT SYSTEM

- .1 All dry film thickness (DFT) shall be stated in Mils (thousands of an inch). The equivalent measurement and conversions are as follows:

One thousandth of an inch (1 mil) = 25 microns

The detailed requirements of the paint schedule are given below.

- .2 Stripe coats shall be applied to all welds, lap joints, plate edges, corners, sharp edges and any other areas where spray application of the overall coating system may result in low dry film thickness.
- .3 The following paint systems shall be used:

| Coat No. | Type | Binder | Product Name | Dry Film Thickness |
|----------|-------------|-----------------|-----------------|--------------------|
| 1 | Primer | Zinc-Rich Epoxy | Interzinc 52 | 2.5 mils |
| 2 | Mid Coat | Polyamide Epoxy | Interseal 670HS | 7 mils |
| 2 | Stripe Coat | Polyamide Epoxy | Interseal 670HS | 5 mils |
| 3 | Topcoat | Polyamide Epoxy | Interseal 670HS | 7 mils |
| - | - | - | - | 16.5 mils minimum |

Note: Finished coating system Dry Film Thickness shall be a minimum of 16.5 Mils (412 microns) at each spot measurement. Stripe coat not included.

- .4 Topcoat to be a light grey colour (colour code RAL 7035) except for **railing which shall have a red top coat (RAL 3000) and curb which shall have a safety yellow top coat (RAL 1003).**
- .5 Coating for Non Skid Deck Surfaces. This includes the top surface of aprons and the top surface of apron finger plates.

The following paint system is approved for use in Non Skid Deck Surfacing:

| Supplier | Paint System | Coats | Dry Film Thickness |
|----------------------|---|-------|---|
| Sutton Road Markings | Bimagrip Urethane Non-Skid (RS Clare, Manufacturer) Acraprime SP Polyurethane Prime | 1 | 10 m ² /l Resign 2.3 kg/m ² Aggregate 4-6 kg/m ² |

- .6 All bolts, washers, nuts and grating shall be hot dip galvanised in accordance with ASTM Specifications A-153 or A-123, or CSA Specification G 164-M (minimum zinc coating 610 g/m²).

6 WORKMANSHIP

- .1 Contractor shall complete a daily reporting account for Shop/Field Quality Assurance.
- .2 An Engineer's Representative may request on site monitoring during paint preparation.
- .3 Each coat, including stripe coat shall be of contrasting colors and mixed in full proportions.
- .4 The preparation of surfaces to be painted and the application of the paints shall be as specified above.
- .5 Coating shall take place as soon as practicable after inspection of cleaning, but, in any event, within eight hours and before any visible or detrimental rusting or contamination occurs.
- .6 All coating material shall be applied by airless spray unless otherwise allowed or specified by the manufacturer. Spray painting equipment shall be of ample capacity and suitable for the work and shall at all times be kept clean and in good working order. Air lines shall be equipped with water traps to positively remove condensed moisture.
- .7 No thinner shall be added to any paint in excess of the paint manufacturer's recommendations.
- .8 Prior to spray application of primer, all crevices, appurtenances, and re-entrant surfaces which would otherwise be difficult to coat by spraying, together with all weld areas shall be brushed (stripe) in order to ensure a continuous film on all surfaces, and then painted as specified.
- .9 Newly coated surfaces will be inspected when the coating has thoroughly dried and immediately before the coated member is to be removed from the paint shop for shipment. The coated surfaces may be rejected if any of the following defects are apparent, and the Engineer or his representative, in his judgement, believes the coating performance and life will be impaired by these conditions:
 - a. Inadequate dry film thickness (DFT).
 - b. Runs, sags, holidays or shadowing caused by inefficient application methods.
 - c. Evidence of poor coverage at plate edges, lap joints, crevices, pockets, corners and re-entrant angles.
 - d. Damage to shop coat due to handling before the coating is sufficiently cured or any other contributory cause.
- .10 Coated surfaces rejected by the Engineer shall be made good by the Contractor at his own expense. The Contractor shall submit to the Engineer his proposed method of repair to the damaged surfaces.
- .11 Damage to adjacent property, vehicles, pedestrians and other portions of the structure due to the painting operations shall be made good without additional expenses to the Owner. No paint, equipment, scaffolding, et cetera shall obstruct traffic or pedestrians, except by written permission of the Owner's Representative, in which case proper warning signs, barricades, et cetera shall be placed, maintained and removed without additional expense to the Owner.

-
- | | |
|-----|--|
| .12 | Field touch up painting shall be carried out in accordance with the paint manufacturer's specifications. |
| .13 | The Contractor shall provide sufficient paint for field touch-up of any damaged paint surface. |
| .14 | Only nylon ropes or rubber covered slings may be used for handling steel in either the Contractors shop during loading or shipment or during unloading and erection at the site. Where coatings are damaged during handling/erection, these areas shall be marked and recorded for remedial actions. |

END OF SECTION

APPENDIX 1 - DRAWINGS

For a copy of the Drawings, contact the Contracting Authority at:
torrey.buchan2@pwgsc-tpsgc.gc.ca

ANNEX B

BASIS OF PAYMENT

| Bidder's Instructions | |
|---|--|
| The following sample is provided as an example of the pricing structure of any resulting Contract. Bidder's should NOT complete this schedule. | |
| For submission of bid pricing, bidders are to refer to Annex H. | |

B1. Pricing Schedule – Known Work

| Item | Description | Unit Price | QTY | Extended Price (CAD\$) |
|-----------------------------|---|------------|-----|------------------------|
| 1. | Known Work (Two 20-ton & One 40-ton Ramps) In accordance with Annex A and all associated Appendices, including delivery. | LOT | | \$ _XXXXXXXXXX_ |
| Subtotal | | | | \$ _XXXXXXXXXX_ |
| GST (5%) | | | | \$ _XXXXXXXXXX_ |
| Contract Financial Security | | | | \$ _XXXXXXXXXX_ |
| Firm Total | | | | \$ _XXXXXXXXXX_ |

B2. Optional Units (if exercised)

| Item | Description | Unit Price | QTY | Extended Price (CAD\$) |
|------------|---|-----------------|-----|------------------------|
| 1. | Optional Unit – 20-ton Ramp Includes Incoterms 2000 Delivered Duty Paid (DDP) to Small Craft Harbours Facility - Steveston, BC | \$ _XXXXXXXXXX_ | 1 | \$ _XXXXXXXXXX_ |
| 2. | Optional Unit – 40-ton Ramp Includes Incoterms 2000 Delivered Duty Paid (DDP) to Small Craft Harbours Facility - Steveston, BC | \$ _XXXXXXXXXX_ | 2 | \$ _XXXXXXXXXX_ |
| GST (5%) | | | | \$ _XXXXXXXXXX_ |
| Firm Total | | | | \$ _XXXXXXXXXX_ |

B3. Unscheduled Work

3.1 Unscheduled work arising, as authorized by the Minister, will be calculated in the following manner:

Number of hours (to be negotiated) X \$ _____ your firm hourly Charge-out Labour Rate which includes Overhead and profit, plus net laid-down cost of materials to which will be added a 10% mark-up, plus Goods and Services Tax or Harmonized Sales Tax as applicable, of the total cost of material and labour. The firm hourly Charge-out Labour Rate and the material mark-up will remain firm for the duration of the Contract and any subsequent amendments.

3.2 Notwithstanding definitions or usage elsewhere in this document, or in the Bidder's Cost Management System, when negotiating Hours for unscheduled work, PWGSC will consider only those hours of labour directly involved in the production of the subject work package.

3.3 Allowance for Related Labour Costs such as: Management, Direct Supervision, Purchasing and Material Handling, Quality Assurance and Reporting, First Aid, Gas Free Inspecting and Reporting, and Estimating will be included as Overhead for the purposes of determining the Charge-out Labour Rate entered above.

3.4 The 10% mark-up rate for materials will also apply to subcontracted costs. The mark-up rate includes any allowance for material and subcontract management not allowed for in the Charge-out Labour Rate. A separate labour component for the purchase and handling of materials or subcontract administration is not allowable.

B4. Overtime

4.1 The Contractor must not perform any overtime under the Contract unless authorized in advance and in writing by the Contracting Authority. Any request for payment must be accompanied by a copy of the overtime authorization and a report containing the details of the overtime performed pursuant to the written authorization.

4.2 Payment for authorized overtime will be calculated as follows:

Number of hours (to be negotiated) X \$ _____ XXXXXX_ per hour Overtime Labour Rate.

ANNEX C

INSURANCE REQUIREMENTS

C.1 Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$5,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - g. Employees and, if applicable, Volunteers must be included as Additional Insured.
 - h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - j. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
 - k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
 - l. Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
 - m. Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.
 - n. Litigation Rights: Pursuant to subsection 5(d) of the [Department of Justice Act](#), S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

*Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8*

For other provinces and territories, send to:

*Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8*

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

ANNEX D

WARRANTY PROCEDURES

D.1 Scope

- a. The following are the procedures that suit the particular requirements for warranty considerations for a new vessel.

D.2 Reporting Failures with Warranty Potential

- a. The initial purpose of a report of a failure is to facilitate the decision as to whether or not to involve warranty and to generate action to effect repairs. Therefore in addition to identification, location data, etc. the report must contain details of the defect. Warranty decisions as a general rule are to be made locally and the administrative process is to be in accordance with procedures as indicated.
- b. These procedures are necessary as invoking a warranty does not simply mean that the warrantor will automatically proceed with repairs at his expense. A review of the defect may well result in a disclaimer of responsibility, therefore, it is imperative that during such a review the Department is directly represented by competent technical authority qualified to agree or disagree with the warrantor's assertions. Since the TA has the closest and most active involvement of the contracted work completed this agency must assume this role.

D.3 Procedures

- a. Immediately once it becomes known to end user that an equipment/system is performing below accepted standards or has become defective, the procedures for the investigation and reporting are as follows:
 - i. The end user advises the Technical Authority when a defect has occurred.
 - ii. On review of the Specification and the Acceptance Document, the Technical Authority in consort with end user is to complete the Tombstone Data and section 1 of the Warranty Claim Form Appendix 1 of Annex "E" and forward the original to the Contractor for review with a copy to the PWGSC contracting Authority. If the PWGSC Contracting is unable to support warranty action, the Defect Claim Form will be returned to the originator with a brief justification. (It is to be noted that in the latter instance PWGSC will inform the Contractor of its decision and no further action will be required of the Contractor. Warranty defect claims may be forwarded in hard copy, by fax or by e-mail whichever format is the most convenient.
 - iii.. Assuming the Contractor accepts full responsibility for repair, the Contractor completes Section 2 and 3 of the Warranty Claim Form, returns it to the TA who confirms corrective action has been completed, and who then distributes the form to the PWGSC Contracting Authority.
- b. In the event that the Contractor disputes the claim as a warranty defect, or agrees to share, the contractor is to complete Part 2 and 3 of the Warranty Claim Form with the appropriate information and forward it to the Contracting Authority who will distribute copies as necessary.
- c. When a warranty defect claim is disputed by the Contractor, the Technical Authority may arrange to correct the defect by in-house resources or by contracting the work out. All associated costs must be tracked and recorded as a possible charge against the contractor by PWGSC action. Material costs and manhours expended in correcting the defect are to be recorded and entered in Section 5 of the warranty defect claim by the Technical Authority who will forward the warranty defect claim to the PWGSC Contracting Authority for action. Defective parts of equipment are to be retained pending settlement of claim.
- d. Defective equipment associated with potential warranty should not normally be dismantled until the Contractor's representative has had the opportunity to observe the defect. The necessary work is to

be undertaken through normal repair methods and costs must be segregated as a possible charge against a contractor by PWGSC action.

D.4 Liability

- a. Agreement between the Contracting Authority, Technical Authority and the Contractor will result in one of the following conditions:
- i. The Contractor accepts full responsibility for costs to repair or overhaul under the warranty provisions of the contract;
 - ii. The Technical Authority accepts full responsibility for repair and overhaul of item concerned; or The Contractor and the Technical Authority agree to share responsibility for the costs to repair or overhaul the unserviceable item, in such cases the PWGSC Contracting Authority will negotiate the best possible sharing arrangement.
- b. The total cost of processing warranty claims must include accommodation and travel costs of the Contractor's employees as well as equipment/system down time and operational constraints. Accordingly, the cost to remediate the defect, in manhours and material, will be discussed between the Contracting/Inspection Authorities and the Technical Authority to determine the best course of action.

D.5 Alongside Period For Warranty Repairs and Checks

- a. If at all possible, an alongside period for the vessel is to be arranged just before the expiration of the 12 month warranty periods. This alongside period is to provide time for warranty repair and check by the contractor.

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Services gouvernementaux
Canada

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WARRANTY CLAIM
Réclamation De
Garantie

2/2

| | |
|---|-----------------------------------|
| 2. Contractor's Investigative Report – Le rapport de l'entrepreneur | |
| | |
| 3. Contractor's Corrective Action – La modalite de reprise de l'entrepreneur | |
| | |
| Contractors Name and Signature-Nom et signature de l'entrepreneur modalite de reprise | Date of Corrective Action-Date de |
| | |
| Client Name and Signature-Nom et signature de client | Date |
| | |
| 4. PWGSC Review of Warranty Claim Action – Examen d'action de reclamation de garantie par | |
| | |
| Contract Authority | Date |
| | |



ANNEX E

PROCEDURE FOR IMPLEMENTING ADDITIONAL WORK

E1 Purpose

The Additional Work Procedure has been instituted for the following purposes:

- (a) To establish a uniform method of dealing with requests for Additional Work;
- (b) To obtain the necessary Technical Authority approval and Contracting Authority authorization before Additional work commences; and
- (c) To provide a means of maintaining a record of Additional Work requirements including Serial Numbers, dates, and accumulated cost.

E.2 Definitions

- (a) An Additional Work Procedure is a contractual procedure whereby changes to the scope of Work under the Contract may be defined, priced and contractually agreed to;
- (b) The procedure does not allow for the correction of deficiencies in the Contractor's Proposal.

E.3 Procedures

- (a) The procedure involves the form PWGSC-TPSGC 1686 for new construction. This form is to be used when the work has been fully defined, and the final cost has been agreed to and/or negotiated. It will be the form for authorizing all Additional Work to be followed by Contract Amendment.
- (b) Emergency measures required to prevent loss or damage to the Works, which would occur if this procedure is followed, shall be taken by the Contractor on its own authority. The responsibility for the cost of such measures shall be determined in accordance with the terms and conditions of the contract.
- (c) The Technical Authority will initiate a work estimate request by defining the Additional Work requirement. It will attach drawings, sketches, additional Specification, other clarifying details as appropriate, and allocate their Serial Number for the request.
- (d) Notwithstanding the foregoing, the Contractor may propose to the Technical Authority in writing, either by letter or a Defect Advice Form (this is the Contractor's own form) that certain Additional Work should be carried out. The Technical Authority will either reject or accept such proposal, and advise the Contractor and Contracting Authority. Acceptance of the proposal is not to be construed as authorization for the work to proceed. If required, the Technical Authority will then define the Additional Work requirement in accordance with subparagraph 3(c).
- (e) After the Additional Work requirement is defined, the original and one (1) copy with all attachments, will be passed by the Technical Authority to the Contracting Authority.
- (f) The Contracting Authority will retain the original with attachments and submit a copy with attachments to the Contractor.
- (g) The Contractor will submit its Proposal (Paragraph 6 - Form Of Proposal and Supporting Documentation) to the Contracting Authority together with any qualifications, remarks or other information requested.
- (h) After discussion between the Contracting Authority and the Contractor and if no negotiation is required, the Contractor will then complete the PWGSC-TPSGC 1686 including the agreed costs, allocate a Serial Number, sign the form and pass it to the Contracting

Authority. If the Technical Authority wishes to proceed, the form will be signed then. The Contracting Authority will then sign and Authorize the Additional Work to proceed.

- (i) In the event negotiation is required, the Contracting Authority will arrange for the negotiations. If negotiations are successful the Contractor will then complete the PWGSC-TPSGC 1686 form including the agreed costs, sign the form and pass it to the Contracting Authority. The Contracting Authority will then pass the form to the Technical Authority. If the Technical Authority wishes to proceed they will sign the form. The Contracting Authority will then sign and authorize the Additional Work to proceed.
- (j) In the event the Technical Authority does not wish to proceed with the work, they will cancel the proposed Additional Work through the Contracting Authority in writing.
- (k) In the event the negotiation involves a Credit, the appropriate PWGSC-TPSGC form 1686 will be noted as "credit" accordingly.
- (l) In the event that Additional Work of an urgent nature is required by the Technical Authority, or an impasse has occurred in negotiations, the commencement of the Additional work should not be unduly delayed and should be processed as follows, in either case. The Contractor will complete the appropriate PWGSC-TPSGC form indicating the offered cost and pass it to the Contracting Authority. If the Technical Authority wishes to proceed, the Technical Authority and the Contracting Authority will sign the completed PWGSC-TPSGC form with the notation, "CEILING PRICE SUBJECT TO DOWNWARD ADJUSTMENT", and allocate a Serial Number having the suffix "A". The work will proceed with the understanding that following an audit of the Contractor's actual costs for completing the described work, the cost will be finalized at the ceiling price or lower, if justified by the audit. A new PWGSC/TPSGC form will then be completed with the finalized costs, signed and issued with the same Serial Number without the suffix "A", and bearing a notation that this form is replacing and canceling the form having the same Serial Number with the suffix "A". PWGSC-TPSGC forms bearing Serial Numbers with a suffix "A" shall not to be included in any contract amendments, and therefore no payment shall be made until final resolution of the price and incorporation into the contract.
- (m) No work may be undertaken by the Contractor without written authorization of the Contracting Authority except under emergency circumstances described in sub-paragraph 3(b). Additional Work undertaken without written Contracting Authority authorization will be considered the Contractor's responsibility and cost.
- (n) The PWGSC-TPSGC 1686 form is the final summary of the definition of the Additional work requirement, and the costs negotiated and agreed to. The Contracting Authority will forward the original to the Contractor and distribute copies as required.

E.4 Amendment to Contract or Formal Agreement

The Contract will be amended from time to time in accordance with the Contract terms to incorporate the costs authorized on the appropriate PWGSC-TPSGC 1686 forms.

E.5 Form of Description of Additional Work

The Statement of Work for the Additional Work will be limited to a statement of what has to be done. It will state how conformance will be measured or inspected.

E.6 Form of Proposal and Supporting Documentation

- (a) The Contractor will be afforded an opportunity, prior to submitting a Proposal, to discuss any technical questions regarding the statement of work for the Additional Work item. If

necessary, a meeting will be held, prior to the submission of a Proposal, to review the statement of work in order to ensure that there is a clear understanding of the technical and other requirements, including the effect on Annex "B" to schedules and supply of materials. Requests for such meetings will be made to the Contracting Authority who will also chair the meetings. Any additions or deletions to the statement of work agreed to at such meetings will be the subject of a formal amendment to the statement of work and processed by the Technical Authority through the Contracting Authority.

- (b) The Contractor's Proposal for each Additional work item shall be broken down as to person hours by trade and material cost per item. These breakdowns shall accompany each submission by the Contractor to the Contracting Authority prior to any required negotiations.
- (c) Prior to any required negotiation, the Contractor shall provide to the Contracting Authority, for its retention, the following:
 - (i) A work plan and/or any sketches and marked-up drawings as appropriate or requested; and
 - (ii) Copies of subcontractor and/or material suppliers' quotations (including the Contractor's requests for such quotations). In the event telephone quotations are used to finalize the negotiations, these quotations would be subject to later verification by the Crown. The Contractor shall provide copies of purchase orders and paid invoices for subcontracts and/or materials, including stocked items, in either case.
- (d) Subcontracts and materials - The Contractor shall provide a minimum of two quotations for subcontracts or materials. If other than the lowest, or sole source is being recommended for quality and/or delivery considerations, this shall be noted. On request to the Contractor, the Contracting Authority shall be permitted, to meet with any proposed subcontractor or material supplier for discussion of the price. These requests will generally be limited to major sole source situations and always with the Contractor's representative present.
- (e) The selected Contractor shall have a cost accounting system that is capable of assigning job numbers for each Additional Work requirement so that each requirement can be audited individually. Prior to award of Additional Work, the selected Contractor shall provide written statements that a cost accounting system exists. The cost accounting system may be reviewed by the Contracting Authority prior to award of any Additional Work.

E.7 Supply Of Forms

On request, the Contracting Authority will supply the appropriate form PWGSC-TPSGC 1686.

ANNEX F

PROJECT MANAGEMENT SERVICES

F.1 Intent

- a. Job titles used in this Annex are for clarity within this document only. The Contractor is free to choose job titles that suit their organization.
- b. The Contractor, through their Project Management Team, is responsible to discharge the duties and supply the deliverables required in the Contract and the Specifications.
- c. Project Management is considered to encompass the direction and control of such functions as engineering, planning, purchasing, manufacturing, assembly, overhauls, installations and test and trials.

F.2. Project Manager

- a. The Contractor must supply an experienced Project Manager (PM) dedicated to this project and delegate to him/her full responsibility to manage the project.

F.3 Project Management Team

- a. Other than the Project Manager, the Contractor may assign and vary other job descriptions to suit their organization; provided however that the collective resume of their Project Management Team must provide for effective control of the project elements including but not limited to:
 - i. Project Management
 - ii. Quality Assurance
 - iii. Material Management
 - iv Planning and Scheduling
 - v. Subcontracts Management

F.4 Reports

- a. The following Management Reports and Documentation are to be prepared and maintained by the Contractor and submitted to the Crown in accordance with the Contract or upon request by the Contracting Authority:
 - i. Production Work Schedule
 - ii. Inspection Summary Report

F.5 Bid Solicitation Deliverables

- a. Names, brief resumes, and a list of duties for each of the team members that ensures that each of the project elements listed in article 3 above have been addressed.

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ANNEX G
QUESTIONS AND ANSWERS

This Annex will include a list of any Questions and Answers addressed during the Solicitation period.

| Item | Spec-RFP description | Questions | Answers |
|--|----------------------|-----------|---------|
| <i>To be completed as required during the bid solicitation period.</i> | | | |
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ANNEX H

FINANCIAL BID PRESENTATION SHEET

| | | | | |
|---|---|-------------------|------------|-------------------------------|
| Bidder's Instructions: | | | | |
| For an excel version of this Annex, contact the Contracting Authority. | | | | |
| <p>The bidder must fill out the pricing schedule below and include it in their Financial Bid package. The aggregate total of all the extended prices provided in the schedule below will form the price that will be evaluated. GST is extra.</p> <p>To be considered responsive, the bidder must complete the Financial Bid Presentation Sheet and the supporting Appendix 1 – Detailed Pricing Datasheet, and submit them with their bid.</p> <p>The Pricing provided in the bid will be incorporated into the resulting Basis of Payment of the Contract. The Option Module and Unscheduled Work priced herein is included for the purpose of evaluation, but the associated costs will only be incurred if the work is authorized in writing by the Contracting Authority. If there is a discrepancy between the unit pricing provided under Item 1 below and the unit pricing under the detailed pricing datasheet, the detailed pricing datasheet unit price will take precedence.</p> | | | | |
| Pricing Schedule | | | | |
| Item | Description | Unit Price | QTY | Extended Price (CAD\$) |
| Firm Work | | | | |
| 1 | Fabrication and Supply of 20-tonne Heavy Steel Vehicle Ramp | \$ _____ | 2 | \$ _____ |
| 1.1 | Incoterms 2000 Delivered Duty Paid (DDP) of one, 20-tonne ramp to Institute of Ocean Sciences - Sidney, BC | LOT | | \$ _____ |
| 1.2 | Incoterms 2000 Delivered Duty Paid (DDP) of one, 20-tonne ramp to Pacific Biological Station - Nanaimo, BC | LOT | | \$ _____ |
| 2 | Fabrication and Supply of 40-tonne Heavy Steel Vehicle Ramp | \$ _____ | 1 | \$ _____ |
| 2.1 | Incoterms 2000 Delivered Duty Paid (DDP) of one, 40-tonne ramp to Small Craft Harbours Facility - Steveston, BC | LOT | | \$ _____ |
| Total - Firm Work | | | | \$ _____ |

| Contract Financial Security | | | | |
|---|---|------------|------------------------|----------|
| 3 | The cost of the performance bond and labour and material payment bond, each in the amount of 50% of the Contract Price. If a security deposit is chosen, leave price blank. | LOT | \$ _____ | |
| Total - Contract Financial Security | | | | |
| \$ _____ | | | | |
| Optional Units | | | | |
| 4 | Fabrication and Supply of 20-tonne Heavy Steel Vehicle Ramp | \$ _____ | 1 | \$ _____ |
| 4.1 | Incoterms 2000 Delivered Duty Paid (DDP) of one, 20-tonne ramp to Small Craft Harbours Facility - Steveston, BC | LOT | \$ _____ | |
| 5 | Fabricate and Supply of 40-tonne Heavy Steel Vehicle Ramp | \$ _____ | 2 | \$ _____ |
| 5.1 | Incoterms 2000 Delivered Duty Paid (DDP) of one, 40-tonne ramp to Small Craft Harbours Facility - Steveston, BC | LOT | \$ _____ | |
| 5.2 | Incoterms 2000 Delivered Duty Paid (DDP) of one, 40-tonne ramp to Small Craft Harbours Facility - Steveston, BC | LOT | \$ _____ | |
| Total - Optional Units | | | | |
| \$ _____ | | | | |
| Unscheduled Work | | | | |
| The following rates will apply to all unscheduled work if requested and authorized in writing by the Contracting Authority. | | Unit Price | Estimated QTY* (HOURS) | |
| 1 | Charge-out Labour Rate | \$ _____ | 100 | \$ _____ |
| 2 | Over-time Labour Rate | \$ _____ | 10 | \$ _____ |
| Total - Unscheduled Work | | | | \$ _____ |
| *The Estimated Quantity provided in the table above is for evaluation purposes only and is not a guarantee of work. | | | | |
| | | | | |
| | | | | |

| EVALUATED PRICE | | |
|-------------------------|-------------------------------------|-------|
| Item | Description | Price |
| I1.1 | Total - Firm Work | \$ |
| I1.2 | Total - Contract Financial Security | \$ |
| I1.3 | Total - Optional Units | \$ |
| I1.4 | Total - Unscheduled Work | \$ |
| EVALUATED PRICE (CAD\$) | | \$ |

APPENDIX 1 – DETAILED PRICING DATASHEET

| The following pricing schedule is on a per unit basis. In order to be considered, the Detailed Pricing Datasheet and the Financial Bid Presentation Sheet must be submitted with the bid. | | | | |
|---|---|---------------|-------------|-----------------|
| Line Item | Specification Detail | Material Cost | Labour Cost | Total Unit Cost |
| 1. Unit Pricing - 20-tonne Heavy Steel Vehicle Ramp | | | | |
| 1.1 | All materials and labour services not separated out below | \$ _____ | \$ _____ | \$ _____ |
| 1.2 | Project Management | \$ _____ | \$ _____ | \$ _____ |
| 1.3 | Quality Assurance | \$ _____ | \$ _____ | \$ _____ |
| 1.4 | Production Engineering & Shop Drawings | \$ _____ | \$ _____ | \$ _____ |
| 1.5 | Structural Steel Work | \$ _____ | \$ _____ | \$ _____ |
| 1.6 | Metal Fabrication | \$ _____ | \$ _____ | \$ _____ |
| 1.7 | Painting - Surface Preparation and Coatings | \$ _____ | \$ _____ | \$ _____ |
| 1.8 | Abutment Apron | \$ _____ | \$ _____ | \$ _____ |
| 1.9 | Float Apron | \$ _____ | \$ _____ | \$ _____ |
| 1.10 | Ramp Grating | \$ _____ | \$ _____ | \$ _____ |
| Unit Total - 20-tonne Heavy Steel Vehicle Ramp | | \$ _____ | \$ _____ | \$ _____ |
| 2. Unit Pricing - 40-tonne Heavy Steel Vehicle Ramp | | | | |
| 1.1 | All materials and labour services not separated out below | \$ _____ | \$ _____ | \$ _____ |
| 1.2 | Project Management | \$ _____ | \$ _____ | \$ _____ |
| 1.3 | Quality Assurance | \$ _____ | \$ _____ | \$ _____ |
| 1.4 | Production Engineering & Shop Drawings | \$ _____ | \$ _____ | \$ _____ |
| 1.5 | Structural Steel Work | \$ _____ | \$ _____ | \$ _____ |
| 1.6 | Metal Fabrication | \$ _____ | \$ _____ | \$ _____ |

| | | | | |
|---|---|----------|----------|----------|
| 1.7 | Painting - Surface Preparation and Coatings | \$ _____ | \$ _____ | \$ _____ |
| 1.8 | Abutment Apron | \$ _____ | \$ _____ | \$ _____ |
| 1.9 | Float Apron | \$ _____ | \$ _____ | \$ _____ |
| 1.10 | Ramp Grating | \$ _____ | \$ _____ | \$ _____ |
| Unit Total - 40-tonne Heavy Steel Vehicle Ramp | | \$ _____ | \$ _____ | \$ _____ |
| | | | | |
| 3. Optional Unit Pricing - 20-tonne Heavy Steel Vehicle Ramp | | | | |
| If the pricing offered for the option units the same as the pricing offered under section 1, leave this section blank. | | | | |
| 1.1 | All materials and labour services not separated out below | \$ _____ | \$ _____ | \$ _____ |
| 1.2 | Project Management | \$ _____ | \$ _____ | \$ _____ |
| 1.3 | Quality Assurance | \$ _____ | \$ _____ | \$ _____ |
| 1.4 | Production Engineering & Shop Drawings | \$ _____ | \$ _____ | \$ _____ |
| 1.5 | Structural Steel Work | \$ _____ | \$ _____ | \$ _____ |
| 1.6 | Metal Fabrication | \$ _____ | \$ _____ | \$ _____ |
| 1.7 | Painting - Surface Preparation and Coatings | \$ _____ | \$ _____ | \$ _____ |
| 1.8 | Abutment Apron | \$ _____ | \$ _____ | \$ _____ |
| 1.9 | Float Apron | \$ _____ | \$ _____ | \$ _____ |
| 1.10 | Ramp Grating | \$ _____ | \$ _____ | \$ _____ |
| Unit Total - Optional 20-tonne Heavy Steel Vehicle Ramp | | \$ _____ | \$ _____ | \$ _____ |
| | | | | |
| 4. Optional Unit Pricing - 40-tonne Heavy Steel Vehicle Ramp | | | | |
| If the pricing offered for the option units the same as the pricing listed under section 2, leave this section blank. | | | | |
| 1.1 | All materials and labour services not separated out below | \$ _____ | \$ _____ | \$ _____ |
| 1.2 | Project Management | \$ _____ | \$ _____ | \$ _____ |
| 1.3 | Quality Assurance | \$ _____ | \$ _____ | \$ _____ |
| 1.4 | Production Engineering & Shop Drawings | \$ _____ | \$ _____ | \$ _____ |

| | | | | | | |
|---|---|----|--|----|--|----|
| 1.5 | Structural Steel Work | \$ | | \$ | | \$ |
| 1.6 | Metal Fabrication | \$ | | \$ | | \$ |
| 1.7 | Painting - Surface Preparation and Coatings | \$ | | \$ | | \$ |
| 1.8 | Abutment Apron | \$ | | \$ | | \$ |
| 1.9 | Float Apron | \$ | | \$ | | \$ |
| 1.10 | Ramp Grating | \$ | | \$ | | \$ |
| Unit Total - Optional 40-tonne Heavy Steel Vehicle Ramp | | \$ | | \$ | | \$ |

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ANNEX I
INTEGRITY PROVISIONS – LIST OF NAMES

Please provide list of names of the following entities, according to the ownership nature of the company

1. For a Corporation - each current member of the Bidder's Board of Directors;

2. For a Partnership, General Partnership or Limited Partnership - the names of all current partners;

3. For a Sole Proprietorship or an individual doing business under a firm name - the name of the sole proprietor or individual;

4. For a Joint Venture - the names of all current members of the Joint venture;

5. For an individual - the full name of the person

ANNEX J

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\) – Labour's](#) website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- ☐ A1. The Bidder certifies having no work force in Canada.
- ☐ A2. The Bidder certifies being a public sector employer.
- ☐ A3. The Bidder certifies being a federally regulated employer being subject to the [Employment Equity Act](#).
- ☐ A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).
- A5. The Bidder has a combined workforce in Canada of 100 or more employees; and
- ☐ A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.
- OR**
- ☐ A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- ☐ B1. The Bidder is not a Joint Venture.
- OR**
- ☐ B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

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ANNEX K
SUB-CONTRACTOR LIST

| Specification Item | Description of Goods/Services (Including Make, Model Number as applicable) | Name of Supplier | Address of Supplier |
|--------------------|--|------------------|---------------------|
| | | | |
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ANNEX L

BID PACKAGE CHECKLIST

L1.1 Mandatory Tender Deliverable Check List

Notwithstanding deliverable requirements specified anywhere else within this bid solicitation and its associated Requirement (Annex A), mandatory deliverables that must be submitted with the Bidder's tender to be deemed responsive, are summarized below.

The Bidder must submit a completed Annex L.

The following are mandatory and the Bidder's submission will be evaluated against the requirement as defined herein. The Bidder must be determined to be compliant on each item to be considered responsive.

| No | Reference to Solicitation | Description | Condition | Document provided | Reference to Bid (Section, Page no., etc.) |
|----|---------------------------|---|------------------------|--------------------------|--|
| 1 | Front page | Request for Proposal document part 1 page 1 completed and signed; | Mandatory with the bid | <input type="checkbox"/> | |
| 2 | Article 3.1.1 | Technical Bid | Mandatory with the bid | <input type="checkbox"/> | |
| 3 | Article 6.2 / Annex C | Either a letter substantiating that the required insurance coverage will be provided, as per article 6.2 OR proof of insurance coverage, as required by Annex C, | Mandatory with the bid | <input type="checkbox"/> | |
| 4 | Article 6.7, Annex K | Subcontractor list | Mandatory with the bid | <input type="checkbox"/> | |
| 5 | Article 6.8 | Preliminary Project Schedule | Mandatory with the bid | <input type="checkbox"/> | |
| 6 | Article 6.10 | Contractor Quality Management system | Mandatory with the bid | <input type="checkbox"/> | |
| 7 | Annex F | Project Management Team Details, as per article G.5 of Annex F. | Mandatory with the bid | <input type="checkbox"/> | |
| 8 | Annex H | Financial Bid Presentation Sheet, completed; | Mandatory with the bid | <input type="checkbox"/> | |
| 9 | Appendix 1 to Annex H | Detailed Pricing Datasheet, completed; | Mandatory with the bid | <input type="checkbox"/> | |
| 10 | Annex L | Annex L – Bid Package Checklist, completed | Mandatory with the bid | <input type="checkbox"/> | |

L1.2 Supporting Deliverable Requirements

If the following information which supports the bid is not submitted with the Bid; it may be requested by the Contracting Authority, and it must be provided within 24 hours of the written request:

| No | Reference to Solicitation | Description | Condition | Document provided | Reference to Bid (Section, Page no., etc.) |
|----|---------------------------|---|---------------------------|--------------------------|--|
| 1 | Article 6.1 | Financial Statements and information | 24 hrs of written request | <input type="checkbox"/> | |
| 2 | Article 6.4 | Workers' Compensation Certification | 24 hrs of written request | <input type="checkbox"/> | |
| 3 | Article 6.5 | Proof of welding certification | Mandatory with the bid | <input type="checkbox"/> | |
| 4 | Article 6.6 | Proof of valid Labour Agreement or similar instrument covering the work period. | 24 hrs of written request | <input type="checkbox"/> | |
| 5 | Article 6.9 | ISO Registration Certificate (if applicable) | 24 hrs of written request | <input type="checkbox"/> | |
| 6 | Article 7.4.4 | Contractor's Representatives, table completed | 24 hrs of written request | <input type="checkbox"/> | |
| 7 | Annex J, article 5.1.2 | Federal Contractors Program for Employment Equity - Certification, completed and signed | 24 hrs of written request | <input type="checkbox"/> | |
| 8 | Annex I, article 5.1.1 | Integrity Provisions – List of Names, completed and signed | 24 hrs of written request | <input type="checkbox"/> | |

L1.3 Deliverables after contract award

The following information, which supports the bid, may be requested by the Contracting Authority, and it must be provided within the conditions stated in the table below of the written request:

| No. | Article | Description | Condition |
|-----|---------|-----------------------------|---------------------------------------|
| 1 | 7.10 | Insurance certificate | 10 days after contract award |
| 2 | 7.11 | Contract Financial Security | 10 calendar days after contract award |
| 3 | 7.14 | Project Schedule | 5 calendar days after contract award |
| 4 | 7.18 | Quality Plan | 10 calendar days after contract award |