



INVITATION TO TENDER NOTICE

Solicitation #: FP802-180098
Closing Date: Friday, August 31, 2018
Time for solicitation closure: 02:00 PM, Eastern Daylight Time (EDT)

Title: Foundation & Tower Replacement – LL1405 Black Forest Shoal

Work site location: Lake Joseph, ON

THIS INVITATION TO TENDER PACKAGE INCLUDES THE FOLLOWING:

1. Invitation to Tender Notice;
2. Construction Tender Form (**Mandatory - to be completed by Bidder, pages 3 &4**);
3. Statement of Work (Description of the required work);
4. Appendix “A” Mandatory Criteria (**Mandatory - Bidder must address in detail and submit with bid as a separate attachment.**)

CLOSING LOCATION(S):

Location #1: For electronic submissions **ONLY**, please send your electronic proposal to:

Location #2: Should your submission be over \$100,000.00 you are required to submit a Bid Bond. This must be the original copy and sent in via Canada Post or by Courier to:

**Fisheries and Oceans Canada,
Attention: Beverly Shawana
Procurement Hub – Ottawa Office,
Station 9E249, 9th Floor
200 Kent Street,
Ottawa, Ontario K1A 0E6
Tel: 613-407-3861**

The onus is on the bidder to ensure that the bid is delivered on time to the location designated.

LATE TENDER:

Any tender received after the above noted time will be considered late and will be returned to the sender unopened. Tenders may be revised by email, provided the tender and revision(s) are both received prior to Tender Closing Time.



BID SECURITY:

For bids **greater than 100K**, the Bidder shall submit bid security with the tender in the form of a bid bond or a security deposit, with original signature(s). **Fax or photocopies are NOT acceptable.** The Bid Security shall be submitted in accordance with section G109 – Bid Security Requirements of DFO Instructions to Bidders ([DFO Instructions to Bidders](#))

Notes:

- (a) *The Bid Security is to be submitted in hard copy with original signature(s) and by the bid closing date, time and mailing address as indicated above.*
- (b) *The Bid Security will be returned except that of the successful Bidder, which will be retained until the successful Contractor has completed the said contract.*

SCOPE OF WORK:

.1

- .1 Mobilize to site with a work barge of appropriate size and certification;
- .2 Clearing of rubble to expose bedrock.
 - .1 CCG staff will be on site to determine appropriate location for new tower.
- .3 Install one [1] new concrete pier;
 - .1 Bidder shall assume water depth of 0.915 m for bidding purposes.
- .4 Scheduling of concrete testing by CCG acquired third party firm.
- .5 Transportation and installation of one [1] new CCG supplied aid to navigation (AtoN) tower;
- .6 Salvage and return of the existing tower, complete with all appurtenances to CCG Base Parry Sound;
- .7 Demolish and dispose of existing piers; and
- .8 Demobilize.

.2

- .1 Supply one [1] ATON tower;
 - .1 Tower is to be transported to site from staging location by contractor.
- .2 Supply and installation of lantern, battery and solar panel onto new ATON tower.

.3

- .1 Mandatory Technical Criteria:



- .1 Each vessel used by the bidder for this contract must be registered in Canada in the Small Vessel Register (SVR) or the Canadian Register of Vessels (CRV)
- .2 Deadline:
 - .1 With bid.
- .3 Deliverables:
 - .1 Copy of registration certificate; and
 - .2 Picture of the vessel with its Official Number visible
- .4
 - .1 Dewatering Plan (if relevant):
 - .1 Deadline:
 - .1 With Construction Plan
 - .2 Deliverables:
 - .1 Cofferdam and/or other relevant drawings
 - .1 Drawings must detail:
 - .1 Plan, elevation and relevant section views of the proposed installation;
 - .2 Any pertinent commentary concerning construction and implementation of dewatering plan.
 - .2 Summary Report (if necessary):
 - .1 The summary report shall contain all additional technical references and requirements not otherwise detailed within the engineered drawings.
 - .2 Foundation Construction Plan:
 - .1 Deadline:
 - .1 With Construction Plan
 - .2 Deliverables:
 - .1 Provide high level summary of mix properties and admixtures to demonstrate compliance with CCG criteria and STEM foundation design;
 - .2 Provide MSDS, (pre-mixed products only).
 - .3 Concrete placement methods and curing procedures, detail:
 - .1 Source of concrete, including mix plan;
 - .2 Shop drawings for formwork and false-work;
 - .3 Placement methods and procedures to control consolidation/segregation;
 - .1 If dewatering will not occur, tremie concrete pour details must be provided to CCG.
 - .4 Location of necessary cold joints;
 - .5 Finishing procedures;



- .6 Mill test certificates for rebar, piles or any other steel used in the foundations;
 - .7 Curing methods and schedule;
 - .8 Strength requirements for structural stability (removal of forms);
 - .9 Clean-up procedures;
 - .10 Mitigation measures to account for hot or cold temperatures where reasonably anticipated during the construction period.
- .3 As-built and Quality Control
- .1 Deadline:
 - .1 28 days following completion of construction activities
 - .2 Deliverables:
 - .1 Red-lined drawings showing all changes from the sealed design drawings (if any);
 - .1 Drawing or sketch indicating the position of the constructed pier relative to the former installation, detail:
 - .1 Height of former pier, bedrock to top of foundation;
 - .2 Difference in elevation from top of former pier to top of new pier;
 - .3 Highest high water mark of indicated former pier, relative to bedrock grade;
 - .4 Height of new pier, bedrock to top of foundation;
 - .5 Water level above bedrock for new pier;
 - .6 Horizontal offsets to the center of new pier (north, south, east, & west) relative to former pier.
 - .2 Concrete test results.

Part 2 055000 METAL WORK

- .1 Submittals
 - .1 Submittals shall be forwarded to Coast Guard in accordance with the provisions of section 013530.
 - .2 Drilling Plan:
 - .1 Deadline:
 - .1 With Construction Plan.
 - .2 Deliverables:
 - .1 Description of the equipment that will be utilized to drill into bedrock;



- .2 Description of the methods that will be implemented to stabilize the drilling equipment, and to ensure verticality of holes;
 - .3 Description of how epoxying activities will occur;
 - .4 Provide material specifications for the epoxy adhesive to be used;
 - .5 Provide cut-sheets for the reinforcing bars to be used;
 - .6 Describe how works will be undertaken to mitigate impacts on the surrounding watercourse.
- .3 As Built Drawings:
 - .1 Deadline:
 - .1 28 Calendar days following the acceptance of the works.
- .2 Mandatory Technical Criteria
 - .1 Each vessel used by the bidder for this contract must be registered in Canada in the Small Vessel Register (SVR) or the Canadian Register of Vessels (CRV). Proof of registration as well as a picture of the vessel with its Official Number visible shall be submitted with bid.
 - .2 The operator of any vessel used by the bidder for this contract that is less than or equal to 5 Gross Tons must have a valid Small Vessel Operator Proficiency (SVOP) certificate. Proof of valid certificate must be submitted with bid.
 - .3 The operator of any vessel used by the bidder for this contract that is more than 5 Gross Tons or is a tug must have a valid Limited Master <60 GT certificate. Proof of valid certificate must be submitted with bid.

FAMILIARIZATION WITH SITE

Before submitting a bid, it is recommended that bidders visit the site and its surroundings to review and verify the form, nature and extent of the work, materials needed for the completion of the work, the means of access to the site, severity, exposure and uncertainty of weather, any accommodations they may require, and in general shall obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid or costs to do the work. No allowance shall be made subsequently in this connection on account of error or negligence to properly observe and determine the conditions that will apply.

Contractors, bidders or those they invite to site are to review specification Section 01 35 30 - Health and Safety Requirements before visiting site. Take all appropriate safety measures for any visit to site, either before or after acceptance of bid.

Bidders that wish to visit the site must send an email to Beverly.shawana@dfo-mpo.gc.ca and provide the following information:

- a. Business name
- b. Business address
- c. Business phone number
- d. Bidder's representative name
- e. Bidder's representative email address



PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE:

The minimum acceptable amount of Public Liability and Property Damage Insurance is **\$2,000,000.00** per occurrence. All tenders must be accompanied by confirmation from the tenderer's insurance company that the required insurance will be available upon contract award.

ENQUIRIES

DFO will accept Enquiries from Bidders until **2:00 PM Eastern Daylight Time (EDT), Monday, August 27, 2018**. Bidders must send their enquiries by email to Beverly.shawana@dfo-mpo.gc.ca

EXPECTED START AND COMPLETION DATES:

Start Date: Upon contract Award
Completion Date: October 31, 2018

SECURITY REQUIREMENTS:

N/A

ACCEPTANCE OF TENDERS:

Fisheries and Oceans Canada will not necessarily accept the lowest or any of the tenders received and reserves the right to reject any and all tenders received which shall be final and at the sole discretion of the Department.

Kind Regards,

Beverly Shawana
Procurement and Contracting Consultant
Procurement Hub, Materiel and Procurement Services, 9E249
Fisheries and Oceans Canada
200, Kent Street, Ottawa, ON, K1A 0E6, CANADA
Telephone: 613-407-3861
Email: Beverly.shawana@dfo-mpo.gc.ca