Fisheries and Oceans
Canada

INVITATION TO TENDER NOTICE

Solicitation #: F5211-190369
Closing Date: Wednesday, October 9, 2019
Time for solicitation closure: 2:00 pm Atlantic Time

This Invitation to Tender is for Fisheries and Oceans Canada.

Title: Fulton Spawning Channel – Fulton Dam Rock Fall Protection

Work site location: Fulton Spawning Channel, Via Highway 118 between Topley and Granisle, B.C.

This Invitation to Tender Package includes the following:

1. Invitation to Tender Notice
2. Specifications/Drawings
3. Construction Tender Form (**Mandatory** - ***to be completed by Bidder***)

CLOSING LOCATION(S):

Location #1 – For electronic submissions ONLY
Please send your electronic proposal to: Kimberly.Walker@dfo-mpo.gc.ca

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

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

Location #2 - For hard copy submissions

Fisheries and Oceans Canada,
Attention: Kimberly Walker
Ref: F5211-190369
Procurement Hub – Fredericton Office,
301 Bishop Drive, Fredericton, NB, E3C 2M6

Please Note:
All bids security are to be submitted in hard copy by the bid closing date and time to the mailing address indicated above whether the bid submission is sent via Location #1 or Location #2.

DELIVERABLES / SCOPE OF WORK

1.1 DFO Project Title:
Fulton Spawning Channel – Fulton Dam Rock Fall Protection

1.2 Location of the Project:
The project will be encompassing works at the Fulton Spawning Channel, which is located North of Topley on Highway 118 (Central Babine Lake Hwy) by Topley Landing.

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Fulton Spawning Channel
Via Highway 118 between Topley and Granisle
Granisle, B.C.

1.3 Timeline

This contract will run until March 31st, 2020. It is expected that this project will be carried out in the fall of 2019, but alternative schedule may be required based on weather limitations in the area at the time of construction. Schedule to be finalized upon contract award

1.4 Description:

The goal of this project is to improve site safety at the Fulton River Dam by reducing the exposure of DFO staff and contractors to bouncing or rolling rock fall hazards on the access stairs, roof of the outlet valve structure, and enclosed steel ladders from the structure roof to the lower elevation of the valves.

This project will be separated into four (4) tasks:

Task 1 – Initial Site Visit with the Departmental Representative
Task 2 – Data Collection
Task 3 – Scaling of Rock Slope above Valve House and Valve House Stairs
Task 4 – Installation of Rock Fall Protection System

1.5 Scope of Work:

Task 1 – Initial Site Visit with the Departmental Representative

The project will commence with an on-site start-up meeting to familiarize the Contractor with the site, and clarify the roles and responsibilities of the Departmental Representative and the Contractor.
The Contractor is expected to:

- Conduct a site visit with the Departmental Representative to clarify project details, evaluate the rock slope above the valve house, and better understand general dam operation.
- Review all the available information, data, and drawings provided by the Departmental Representative.
- Determine where the gaps in available information are, prioritize the missing information and determine whether additional effort needs to be made to obtain some of the missing information.

At the end of Task 1, the Qualified Professional is expected to:

- Submit a request for all required information to the Department Representative.

Task 2 - Data Collection

The Contractor is expected to:

- Determine and propose required data collection methods, to be undertaken at the site, to complete the ensuing construction.
- Complete approved data collection methods at the site and provide data recovered to the Departmental Representative.

At the end of Task 2, the Qualified Professional is expected to:

- Propose data collection methods to the Departmental Representative for approval.
- Complete all approved data collection methods at the site and provide recovered data to the Departmental Representative.

Task 3 – Scaling of Rock Slope above Valve House and Valve House Stairs

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The Contractor is expected to:

- Confirm/Propose scope of additional rock slope scaling required to mitigate majority of overhead hazards on site with Departmental Representative.
- Once approved by the Departmental Representative, coordinate timing with site staff and complete the rock scaling as per best industry practices.
- Address all of the Departmental Representatives comments when finalizing Task 3.

At the end of Task 3, the Contractor is expected to submit:

- A full cost breakdown of Task 3 based on the actual area scaled, the bid per square meter scaling rate, and the portion used of all bid lump sump project components (such as safety plan, mob, etc..)

Task 4 – Installation of Rock Fall Protection System

The Contractor is expected to:

- Confirm/Propose full scope of the rock fall protection system with Departmental Representative.
- Once approved by the Departmental Representative, complete the construction of the rock fall protection system as specified in the BGC Drawing and Specification package provided.
- Address all of the Departmental Representatives comments when finalizing the rock fall protection system installation.

At the end of Task 4, the Qualified Professional is expected to submit:

- A full cost breakdown of Task 4 based on the actual area of the system constructed, the bid per square meter rate of the installation, and the portion used of all bid lump sump project components (such as safety plan, mob, etc..)

1.6 Project Background:

At the Fulton Spawning Channel, the Fulton River Dam has low level water release tunnels that discharge to the river on the left river bank downstream of the dam using three water release valves. The valves are used to control water flow from the dam back to Fulton River to meet minimum instream flow requirements and supply water for the DFO fish spawning channels further downstream. There is a rock slope above the valves that poses rock fall hazard to the area of the valves as well as the lower reaches of pedestrian access to the valves, which is via an elevated wooden staircase and enclosed steel ladders. Continued access to the valves is required to operate and service the water release valves. Based on the results of a preliminary rock fall assessment (BGC, 2018), DFO requested BGC design rock fall protection measures for the subject slope and prepare construction drawings and specifications. This project encompasses the scaling of the unstable slope above the Valve House and Valve House stairs and the construction of BGC rock fall prevention design to reduce overhead hazards to site staff operating the Dam.

1.7 Site Access:

The Fulton River Dam is located approximately 3.9 km West of the Fulton Spawning channel, with access off of Central Babine Lake Highway, via an unnamed access road. The road is a well maintained gravel road which provides access to the top of the Valve House Stairs as well as access to the top of the slope above the Valve House Stairs and the Valve House itself. Access to the work site and rock slope should not be an issue.

1.8 Project Objectives:

The department intends to improve site safety at the Fulton River Dam by reducing the exposure of DFO staff and contractors to bouncing or rolling rock fall hazards on the access stairs, roof of the outlet valve structure, and enclosed steel ladders from the structure roof to the lower elevation of the valves.

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APPENDIX A - SITE PHOTOS

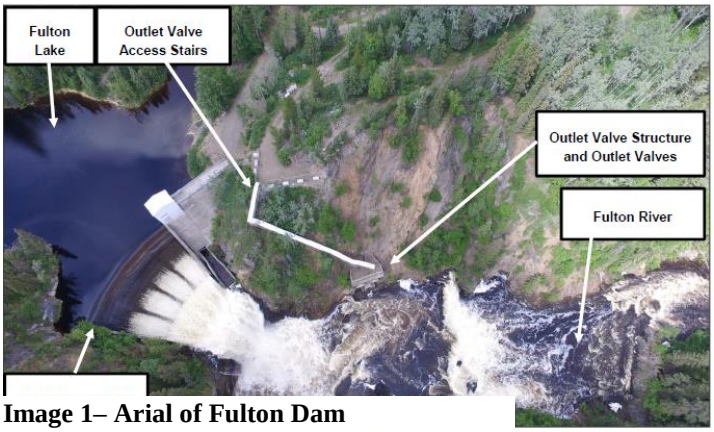

Image 1– Arial of Fulton Dam

Figure 1 - Arial View of Dam Site

Image 2 – Damage to the Fishway

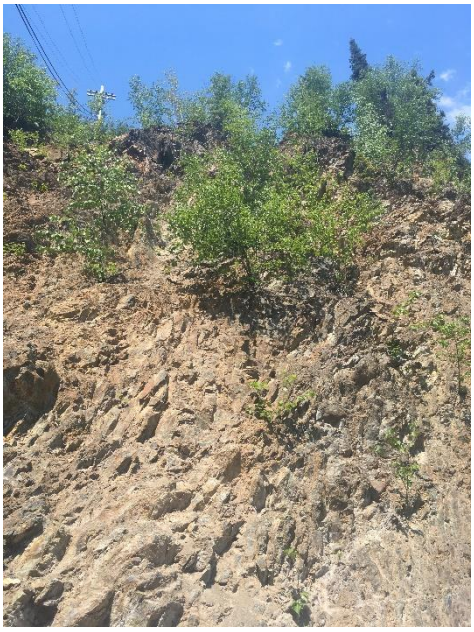

Figure 2 – Example Portion of Rock

OPTIONAL SITE VISIT

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, 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 Health and Safety Requirements before visiting site. Take all appropriate safety measures for any visit to site, either before or after acceptance of bid.

Should bidder want to attend the optional site visit October 3, 2019 at 10:00am they must send an email to Kimberly.Walker@dfo-mpo.gc.ca and provide the following information as an escort to the location is required by DFO:

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

EXPECTED START AND COMPLETION DATES

The services of the Contractor will be commencing upon contract award. The expected completion date of

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this project is **March 31, 2020.**

MANDATORY REQUIREMENTS*:*

- 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;

Question and Answer period: DFO will accept questions from Bidders **until Friday, October 4, 2019 at 2:00 pm Atlantic Standard Time.** These are to be sent **directly and only** to the contracting Officer listed below.

Enquiries regarding this Invitation to Tender are **ONLY** to be submitted in writing by emailing to the following:

Kimberly Walker
Senior Contracting Officer
E-mail: Kimberly.Walker@dfo-mpo.gc.ca