

Solicitation# 5P423-14-6580

5th Bridge Bank Protection

Annex A

Statement of Work

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1.0 INTRODUCTION

This document outlines the scope of work to perform river bank protection work at the 5th Bridge Site located in Jasper National Park. Work will be carried out following the specifications, drawings and Environmental Assessment provided.

2.0 BACKGROUND

The Maligne Canyon Fifth Bridge - Cable Suspension type - was originally built in 1964. A concrete wing wall, at the front of the river right bank was added later in early 2000's to protect the foundation from erosion. The bridge was rehabilitated in 2005 replacing wooden towers, wooden walkway decking, fencing and work on approaches to the bridge.

During the summer of 2012, high water on the Maligne River caused erosion of the 5th Bridge abutments. As there is substantial scour underneath the right bank foundation, it has moved/tilted slightly towards upstream as well as toward the river along the bridge axis. For public safety reason, Parks Canada closed the bridge in July 2012 and installed a temporary pedestrian bridge over the Maligne River at this location until spring 2013.

Parks Canada contracted Cascade Engineering to assess the bridge and provide recommendation. Cascade Engineering conducted field study and assessment of the bridge in November 2012 and recommended that the bridge be dismantled and reconstructed with the right abutment (north abutment) moved back 2 to 4 meters from the existing position.

The 5th Bridge was removed in April of 2012 and a temporary walkway bridge has been used in the winter months to facilitate access for the Maligne Canyon Ice Walks.

Associated Engineering Ltd. was awarded the contract for Design Services and Construction Supervision for Bank Protection at the Bridge site and for the design and construction of a new bridge on the old site.

A hydrotechnical assessment by Matrix Solutions Inc. of the north and south river banks was completed in the fall of 2013. Hydrotechnical information was necessary to support design associated with the construction of a bridge and bank protection.

3.0 OPERATING LIMITATIONS

As per the Environmental Impact analysis Site Specific Mitigations, equipment required on the north side of the river may be carried over with larger equipment for one stream crossing (there and back). The in-stream window is from April 5, 2014 to April 15, 2014. No equipment will be authorized to work in-stream. Small equipment can also access the north side of the river via the unpaved hiking trail from the 6th Bridge.

4.0 WORK SCHEDULE AND PRIORITIES

The successful bidder will prepare and submit a work schedule that identifies how, when the work will be completed. Work must be completed by April 23, 2014.

5.0 SCOPE OF WORK

The Contractor is responsible for all the costs of undertaking the work including but not limited to the following: labour, materials, equipment, supplies, accommodation, lodging, meals, transportation of workers and the Contractor's equipment, valid Parks Canada Business license and vehicle work permits, special permits and all other services necessary for proper performance of the work.

5.1 The Contractor shall submit the following to the Parks Canada Representative:

5.1.1 Within five (2) working days of notification of contract award:

- a) a work plan and time line for review and approval. Any contemplated changes to the work schedule must have prior approval of the Parks Canada Representative.
- b) a site specific Health and Safety Plan.
- c) a site specific Traffic Safety Plan.
- d) proof of a current and valid Parks Canada business license

5.2 In the case that additional work may be required at any time during the course of the contract; the Contractor shall provide cost estimates for conducting work in these areas before starting any additional work. If mutually acceptable, the contract will be amended to incorporate increased scope of work.

No additional work will be done without prior approval by Parks Canada.

- 5.3 Performing work in accordance with the ordinances, laws, rules and regulations set out in the National Parks Act. The Contractor shall comply with the Dangerous Goods Act, applicable provincial transportation and motor vehicle legislation, and Regulations for Workplace Hazardous Materials Information System (WHMIS).

The Contractor shall observe safety measures of the Federal Government, Provincial Government and Worker's Compensation Board. In any case of conflict or discrepancy, the more stringent requirements shall apply.

- 5.4 The Contractor shall comply with special considerations and environmental mitigations as identified in Environmental Screening Report J14-001 (Annex 1).

Failure to comply with or observe environmental protection measures as identified in this scope of work and the environmental assessment report may result in work being suspended pending rectification of the problems and operators of equipment being charged under the National Parks Act. Parks Canada will not be responsible for any costs incurred as a result of any such work stoppage.

- 5.5 Employing a competent superintendent and necessary assistants, empowered to act on behalf of the contractor, who shall be in attendance at the work site at all times during progress of the work.
- 5.6 Conducting an onsite safety briefing for all personnel identified by the Parks Canada Representative who will be working in proximity to the Contractor's equipment and machinery.
- 5.7 Maintaining daily operational contacts with the Parks Canada Representative or Surveillance Officer and ensuring there is one person on site at all times who is competent, qualified, experienced and trained in all aspects of this contract and who is responsible for training, orientation and proper performance of its' employees and has the authority to receive and implement, on behalf of the Contractor, any order, direction or other communication that may be given under the contract.

- 5.8 Complying with direction given by the Parks Canada Representative and Surveillance Officer.
- 5.9 Working with Parks Canada to minimize conflicts and ensure the safety of Park users, businesses, and residents.
- 5.10 Ensuring that all vehicles and heavy equipment are appropriately insured, maintained, refuelled and repaired in a timely manner.
- 5.11 Ensuring that all equipment has been thoroughly cleaned/pressure washed prior to entering the park, so it does not contain or carry residual soil, seeds, or vegetation from outside Park.
- 5.12 Ensuring all fixed fuel storage tanks are located in areas well removed from any watercourse including both standing and moving water. An impervious berm (or double walled tank) shall be constructed around the tanks and any other potential spill areas. The berm shall be capable of holding 110% of tank storage volumes. Portable slip-tanks are also permitted for use to aid in re-fuelling.
- 5.13 Providing and maintaining spill kits, shovels, and rubberized mini-berms onboard all of the Contractor's Equipment at all times for rapid initial response to spills or mechanical breakdowns, as well as sufficient additional spill kits at the project site to handle all potential spills. Equipment will be parked on tarps overnight to detect leaks.
- 5.14 Loss to or damage of any of the Contractor's vehicles, equipment, supplies, etc. while on Parks Canada's property or in performance of this contract.
- 5.15 In the event that significant wildlife or cultural features are discovered, the Contractor will immediately stop work and report the feature (e.g. dens, artifacts, carcasses) to the Surveillance Officer or Jasper Park Dispatch. The Contractor shall not resume work in the particular area until an appropriate response is taken and the Contractor is so notified by Parks Canada. Parks Canada will not be responsible for any costs incurred as a result of such work stoppage.

5.16 Submission of a proposal is deemed to be confirmation that the Contractor (is familiar with or) has inspected the sites and is conversant with all conditions affecting execution and completion of the Work. Failure to do so will not relieve the Contractor of any obligations under this contract.

5.17 Transportation of rip-rap material from Marmot Pit, located approx 7.0km south of the Jasper Townsite via Hwy 93 and Hwy 93A.

6.0 PARKS CANADA'S RESPONSIBILITIES

The range of Parks Canada responsibilities include monitoring the Contractor's performance regarding environmental protection, safety, public safety and communications; liaison with other Parks Canada departments, external agencies; maintaining close contact with the Contractor in the field and responding promptly when decisions are required.

6.1 Arranging for and conducting a pre-work on site meeting for the Contractor's personnel to describe the project; identify the role of the Parks Canada Representative and Surveillance Officer; provide information on pertinent National Park Regulations; stream crossings, sensitive environmental or cultural areas; provide information pertaining to toxic spill responses; and discuss other relevant issues.

6.2 Provision of access to rip-rap material, located at the Marmot Pit (located approx. 7.0km south of Jasper Townsite via Hwy 93 and 93A.

6.3 Identifying to the Contractor, the Parks Canada personnel who will be working in proximity to the contract equipment and machinery and ensuring all identified personnel attend the onsite safety briefing provided by the Contractor.

6.4 Conducting public relations and communications necessary to maintain the high level of public awareness and support for the project.

6.5 Working with the Contractor to minimize operational conflicts with Park users, businesses and residents. When necessary, to ensure safe operations and the safety of the public, Parks



Canada will temporarily close work areas, trails, roadways and/or reroute traffic as required. Parks Canada will notify the public as required.

- 6.6 Ensuring that the Surveillance Officer or Parks Canada Representative is available at all times (either on site or available on cellular phone or radio) when the Contractor is performing work on-site and responding promptly when consultation is required by the Contractor.

- 6.7 Monitoring the Contractor's performance to ensure the adherence to this scope of work, application of environmental protection measures, and all other directions are being followed; contacting the Contractor's field representative immediately to inform them of problems; working with the Contractors' field representative to remedy concerns; informing the Contractor of concerns, in writing, if necessary. Parks Canada reserves the right to stop the Contractor's work at its sole discretion in order to rectify any problem situations. Parks Canada will not unreasonably invoke a stop work order. Parks Canada will not be responsible for any costs incurred as a result of such work stoppage.



Parks
Canada

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Canada



Annex 1 – Overview photo of the 5th Bridge site location.

