



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Regional Manager/Real Property  
Contracting/PWGSC  
Ontario Region, Tendering Office  
12th Floor, 4900 Yonge Street  
Toronto, Ontario  
M2N 6A6  
Ontario

**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**  
Address inquiries to the Contracting Authority at  
karen.wonglau@pwgsc.gc.ca

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du**  
**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Regional Manager/Real Property Contracting/PWGSC  
Ontario Region, Tendering Office  
12th Floor, 4900 Yonge Street  
Toronto, Ontario  
M2N 6A6  
Ontario

<b>Title - Sujet</b> Hogs Back Fixed Bridge & Dam Rehab	
<b>Solicitation No. - N° de l'invitation</b> EQ754-172991/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> R.079166.001	<b>Date</b> 2017-04-05
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWL-023-2276	
<b>File No. - N° de dossier</b> PWL-6-39167 (023)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-04-27</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lau, Karen	<b>Buyer Id - Id de l'acheteur</b> pwl023
<b>Telephone No. - N° de téléphone</b> (416) 512-5297 ( )	<b>FAX No. - N° de FAX</b> (416) 512-5862
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Hogs Back Fixed Bridge & Dam Hogs Back Road Rideau Canal, Southern Sector Ottawa, ON	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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### **Amendment No. 001**

This amendment is being raised to:

- 1) provide responses to Requests for Clarification.
- 2) incorporate changes to the following sections of the Request for Proposal (RFP):
  - i) Project Brief (PB), Project Requirements (PR) 2.5 Project Schedule;
  - ii) SRE3 Submissions Requirements and Evaluation- 3.1 Mandatory Requirement - 3.1.2 Consultant Team Identification
  - iii) SRE3 Submissions Requirements and Evaluation- 3.2 Rated Requirements- 3.2.2 Achievements of Senior Team Leaders to be Assigned to this Project
  - iv) Appendix A –Team Identification Format; and
  - v) Appendix C – Price Proposal Form

#### **1) REQUESTS FOR CLARIFICATION**

- Q1. While reviewing the above mentioned RFP, I noticed that the Design request says to include: 7) retain landscape consultant services to advise on site related requirements and co-ordinate with the City of Ottawa and NCC personnel. However, in the sub-consultant section of the RFP, "Landscape Consultant" is not listed as a subconsultant? Please advise.
- A1. Please see below Revisions to the RFP – Appendix A –Team Identification Format – Revision 1, SRE3 Submissions Requirements and Evaluation- 3.1 Mandatory Requirement - 3.1.2 Consultant Team Identification and 3.2 Rated Requirements- 3.2.2 Achievements of Senior Team Leaders to be Assigned to this Project.
- Q2. Based on the Project Objectives (PR 2.3) and Scope of Work (PR 4.1), the project is mostly a bridge project. Would PWGSC accept three (3) bridge projects and one (1) dam project as reference projects?
- A2. No.
- Q3. PR 4.1.3.5 (9) indicates to "provide a detailed condition survey of the portions of the bridge that were not accessible during the April 2016 inspection..." Please indicate precisely which portions/components of the bridge were not accessible during the April 2016 inspection, and which need to be included in the 2017 winter/spring inspection, as the 2016 detailed condition survey report is not completed and available for review (according to PR 6).
- A3. Components below winter water levels were not accessed.
- Q4. We think the project schedule as detailed in section 2.5- point 9 of the RFP document is unrealistic to achieve. A more realistic project schedule would be December 2018 for the Construction Contract Award, with an overall 16-18 months schedule from concept design to tender/construction documents.

- A4. Please see below Revisions to the RFP - i) Project Brief ( PB), Project Requirements (PR) 2.5 Project Schedule

## **2) REVISIONS TO THE RFP**

- i) Project Brief (PB), Project Requirements (PR) 2.5 Project Schedule;

Delete: in its entirety

Insert:

### **2.5 Project Schedule**

1. The project schedule is based on preliminary project information and is to be reviewed and updated as the project is developed.
2. Early milestones for investigations and concept design are important to maintain project momentum.
3. Dates are for final reports or deliverables, the Consultant is to schedule delivery of draft reports/deliverables and progress reports sufficiently in advance to allow for review and update.
4. Milestones are of additional importance to coordinate with the cultural resource management components of the project.
5. Tender ready Construction Documents are required by the end of January, 2018 at the latest.
6. Estimated Construction Contract Award Date is March, 2018.
7. It is possible that the start of construction may be delayed by up to two years due to conflicts with other projects in the area.
8. Post Construction Services continue until twelve (12) months after substantial performance.

#### **9. Project Schedule:**

<u>Milestone</u>	<u>Date</u>
Start Date	Baseline
Designated Substance and Hazardous Materials Report	prior to on-site
Health and Safety Plan	prior to on-site
Completion date for Concept Design	Sept 2017
Completion date for Detailed Design	Nov 2017
Tender Ready Construction Documents	Jan 2018
Construction Tender Documents posted on BuyandSell.gc.ca	Feb 2018
Construction Contract Award	Mar 2018
Contract Administration and Site Supervision	Expect a 30 month duration after contract award
Certificate of Substantial Completion (SC)	
Review End of Construction Doc. Report (SC + 2 months)	
Record Drawings (SC + 3 months)	
Initial Warranty Inspection Report (SC + 10 months)	
Final Warranty Inspection Report (SC +12 months)	

## ii) SRE 3- Submission Requirements and Evaluations – 3.1 Mandatory Requirement –

## 3.1.2 Consultant Team Identification

Delete: in its entirety

Insert:

**3.1.2 Consultant Team Identification**

- a) The Consultant Team to be identified with the purposes of the evaluation must include the following:
- i. Consultant (Proponent): Structural Engineering Consultant
    - In-house Senior Team Leaders:
      - Project Manager
      - Structural Bridge Engineer
      - Structural Dam Engineer
      - Mechanical Engineer (In-house)
      - Electrical/Controls Engineer (In-house)
      - Cost Consultant (In-house)
      - Landscape Consultant ( in-house)
    - In-house Engineering Team Members:
      - (2) Structural Bridge Engineer Team Members
      - (2) Structural Dam Engineer Team Members
      - (2) Mechanical Engineering Team Members
      - (2) Electrical/Controls Team Members
      - Cost Consultant Team Member
  - ii. Mechanical/Electrical Engineer Sub-Consultant Firm (if required to substitute for in-house Senior Team Leaders and Engineering Team Members)
    - Senior Team Leader:
      - Mechanical Engineer (Sub-Consultant)
      - Electrical/Controls Engineer (Sub-Consultant)
    - Engineering Team Members:
      - Two (2) Mechanical Engineers (Sub-Consultant)
      - Two (2) Electrical/Controls Engineers (Sub-Consultant)
  - iii. Cost Sub-Consultant Firm (if required to substitute for in-house Senior Team Leaders and Engineering Team Member)
    - Senior Team Leader:
      - Cost Consultant (Sub-Consultant)
    - Engineering Team Members:
      - Cost Consultant (Sub-Consultant)
  - iv. Landscape Consultant Firm (if required to substitute for in-house Senior Team Leaders )
    - Senior Team Leader:
      - Landscape Consultant (Sub-Consultant)
- b) Information required:
- i. Name of Proponent, and name of Sub-Consultants, if used.
  - ii. Copy of Proponents Certificate of Authorization issued by Professional Engineers of Ontario. If the Certificate is not provided with the proposal, it must be provided within two (2) days of request from the Contracting Authority.

- iii. Names and roles of key personnel to be assigned to the project per Section a) above.
- iv. For the Senior Team Leaders and Engineering Team Members indicate current professional license status and affiliation, and/or how you intend to meet the Ontario professional licensing requirements.
- v. In the case of a joint venture identify the existing or proposed legal form of the joint venture (refer to R1410T General Instructions to Proponents, GI9 Limitation of Submissions).
- c) The Project Manager must have a minimum 10 years of experience managing projects of equivalent scope and depth on fast-track schedules.
- d) The Structural Bridge Engineer, the Structural Dam Engineer, the Mechanical Engineer and the Electrical/Controls Engineer who as Senior Team Leaders will supervise and lead each discipline must be a senior Engineer with a minimum 10 years of experience in bridge and dam inspection, analysis, design, and construction projects.
- e) Engineering Team Members are to have a minimum of 5 years of relevant experience.
- f) The format for submission of the Team Identification information is provided in Appendix A.
- g) Additional information listed in paragraphs above to be provided on separate sheets under Appendix A.

iii) SRE3 Submissions Requirements and Evaluation- 3.2 Rated Requirements-

3.2.2 Achievements of Senior Team Leaders to be Assigned to this Project

Delete: in its entirety

Insert:

**3.2.2 Achievements of Senior Team Leaders to be Assigned to this Project**

- a) Describe the experience and performance of Senior Team Leaders to be assigned to this project regardless of their past association with the current Proponent or sub-consultant firm.
- b) This is the opportunity to emphasize their strengths and expertise directly related to bridges or dams, to recognize their past responsibilities and achievements.
- c) Provide information for each of the following Senior Team Leaders:
  - i. Project Manager
  - ii. Structural Bridge Engineer
  - iii. Structural Dam Engineer
  - iv. Mechanical Engineer
  - v. Electrical/Controls Engineer
  - vi. Cost Consultant
  - vii. Landscape Consultant
  - viii. Only identify Senior Team Leaders who will be carrying out the engineering or management work on this project.
- d) **Information that should be supplied for each Senior Team Leader:**
  - i. Relevant bridge or dam experience and expertise,
  - ii. Number of years of relevant experience,
  - iii. Role, responsibility and details of involvement of the individual in relevant past projects.

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Higher consideration may be given for relevant experience with the National Capital Commission and City of Ottawa projects.

iv) APPENDIX A – TEAM IDENTIFICATION FORMAT

Delete: in its entirety

Insert: APPENDIX A –TEAM IDENTIFICATION FORMAT – Revision 1

v) APPENDIX C – PRICE PROPOSAL FORM

Delete: in its entirety

Insert: APPENDIX C – PRICE PROPOSAL FORM – Revision 1

All other terms and conditions of the solicitation remain the same.

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## APPENDIX A – TEAM IDENTIFICATION FORMAT – Revision 1

For details on this format, please see SRE in the Request For Proposal.

The prime Consultant and other members of the Consultant Team shall be, or eligible to be, licensed, certified or otherwise authorized to provide the necessary professional services to the full extent that may be required by provincial or territorial law.

Fill in all spaces provided on the form.

### I. Prime Consultant (Proponent) – Structural Engineer:

Firm or Joint Venture Name: .....  
.....  
.....

Key Individuals and provincial professional licensing status and/or professional accreditation:

#### Senior Team Leaders:

Project Manager:  
.....  
Structural Bridge Engineer:  
.....  
Structural Dam Engineer:  
.....  
Mechanical Engineer:  
.....  
Electrical/Controls Engineer:  
.....  
Cost Consultant:  
.....  
Landscape Consultant  
.....

#### Engineering Team Members:

Structural Bridge Engineer:  
.....  
Structural Bridge Engineer:  
.....  
Structural Dam Engineer:  
.....  
Structural Dam Engineer:  
.....

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**APPENDIX A - TEAM IDENTIFICATION FORMAT – Revision 1 (CONT'D)**

Mechanical Engineer:

.....  
Mechanical Engineer:

.....  
Electrical/Controls Engineer:

.....  
Electrical/Controls Engineer:

.....  
Cost Consultant:

**II. Key Sub Consultants/Specialists (if not listed under Consultant):**

Key Individuals and provincial professional licensing status and/or professional accreditation:

Senior Team Leaders:

Mechanical Engineer:

.....  
Electrical/Controls Engineer:

.....  
Cost Consultant:

.....  
Landscape Consultant

Engineering Team Members:

Mechanical Engineer:

.....  
Mechanical Engineer:

.....  
Electrical/Controls Engineer:

.....  
Electrical/Controls Engineer:

.....  
Cost Consultant:

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## APPENDIX A - TEAM IDENTIFICATION FORMAT – Revision 1 (CONT'D)

### Resident Site Representative:

Although an individual does not need to be identified at this time, note that the Resident Site Representative shall be a qualified Civil Engineering Technologist or Engineer; have a minimum of five (5) years of recent pertinent experience in providing Resident Inspection Services during construction on projects involving assets similar to the one covered in this Project.

### Additional Information to be provided:

- i. Name of Proponent, and name of sub-consultants, if used.
- ii. Copy of Proponents Certificate of Authorization issued by Professional Engineers Ontario. If the Certificate is not provided with the proposal, it must be provided within two (2) days of request from the Contracting Authority
- iii. Names and roles of key personnel to be assigned to the project per Section i) above.
- iv. For the Senior Team Leaders and Engineering Team Members indicate current professional license status and affiliation, and/or how you intend to meet the Ontario professional licensing requirements.

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### APPENDIX C - PRICE PROPOSAL FORM – Revision 1

INSTRUCTIONS: Complete this Price Proposal Form and submit in a **separate sealed envelope** with the Name of Proponent, Name of Project, PWGSC Solicitation Number, and the words "PRICE PROPOSAL FORM" typed on the outside of the envelope. Price Proposals are not to include Applicable Taxes.

PROPOSANTS SHALL NOT ALTER THIS FORM

**Project Title:**

**Name of Proponent:**

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**The following will form part of the evaluation process:**

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**Important Notes:**

**It is possible that start of construction may be delayed by up to two years due to conflicts with other projects in the area. Fees proposed for RS 10, RS 11, RS 12 and RS 13 are to take the risk of a possible construction delay into consideration as proposed fees will be applicable to the construction period, regardless of when it commences (i.e. no adjustments will be made to Consultant fees due to a delay in the start of construction).**

#### REQUIRED SERVICES

**Fixed Fee** (R1230D (2016-01-28), GC 5 - Terms of Payment – Architectural and/or Engineering Services)

<b>SERVICES</b>	<b>FIXED FEE</b>
RS 1 Management of Consulting Services	\$.....
RS 2 Analysis of Project Scope of Work	\$.....
RS 3 Estimating and Cost Planning	\$.....
RS 4 Risk Management	\$.....
RS 5 Quality Management	\$.....
RS 6* Investigations, Studies and Reports	\$.....
RS 7 Design Concept	\$.....
RS 8 Design Development	\$.....
RS 9 Construction Documents	\$.....
RS 10 Tender Call, Bid Evaluation and Construction	
Contract Award	\$.....
RS 13 Post Construction Services	\$.....
<b>MAXIMUM TOTAL FIXED FEES</b>	<b>\$.....<sup>1</sup></b>

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**APPENDIX C - PRICE PROPOSAL FORM - Revision 1 (CONT'D)**

**Time Based Fees** (R1230D (2016-01-28), GC 5 - Terms of Payment– Architectural and/or Engineering Services)

	ESTIMATED HOURS Column A	HOURLY RATES*** Column B	TIME BASED FEE Columns AxB
RS 11 Construction and Contract Administration**	3000	\$.....	\$.....
RS 12 Resident Site Services During Construction**	3300	\$.....	\$.....

**MAXIMUM TOTAL TIME BASED FEES** \$ .....<sup>2</sup>

\*\*Payment will be based on actual hours spent. Travel time and/or expenses will not be reimbursed separately (Refer to R1230D (2016-01-28), GC 5.12 – Disbursements).

\*\*\* All inclusive hourly rate is applicable to both normal working hours and any other shift work as required.

**Disbursements**

**At cost without allowance for mark-up or profit, supported by invoices/receipts - see clause R1230D (2016-01-28), GC 5 - Terms of Payment– Architectural and/or Engineering Services, section GC5.12 Disbursements:**

RS 6\*            Investigations, Studies and Reports

Topographical and Bathymetric Survey	\$.....
Materials Sampling and Testing	\$.....
Geotechnical Field Work****	\$ <u>100,000.00</u>

**SUB-TOTAL DISBURSEMENTS** \$.....

**MAXIMUM TOTAL AMOUNT FOR DISBURSEMENTS** \$.....<sup>3</sup>

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**APPENDIX C - PRICE PROPOSAL FORM - Revision 1 (CONT'D)**

**Notes:**

\*RS 6: Consultant's time to carry out investigations, studies and prepare reports to be billed as Fees. Costs for carrying out fieldwork, typically through sub-consultants or specialized service providers to be billed as Disbursements.

\*\*\*\* Geotechnical Field Work, All Proponents are to carry the \$100,000.00 to the SUB-TOTAL DISBURSEMENTS

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**TOTAL COST OF SERVICES FOR PROPOSAL EVALUATION PURPOSES**

Maximum Total Fixed Fee	\$.....	1
Total Estimated Time Based Fees	\$.....	2
Maximum Total Amount for Disbursements	\$.....	3
Total Evaluated Fee (1+2+3)	\$.....	

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