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## REVISION 003 TO A INVITATION TO TENDER

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

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

**Issuing Office - Bureau de distribution :**  
Parks Canada Agency  
National Contracting Services  
Gatineau, Qc

<b>Title - Sujet :</b> Fort Henry Masonry Redoubt Recapitalization, Fort Henry National Historic Site		
<b>Solicitation No. - N° de l'invitation :</b> 5P468-22-0135/A	<b>Date :</b> November 4, 2022	
<b>Amendment No. - N° de modification :</b> 003		
<b>Client Reference No. - N° de référence du client :</b> 2261		
<b>GETS Reference No.   N° de référence de SEAG :</b> PW-20-01006999		
<b>Solicitation Closes - L'invitation prend fin :</b> <b>At - à :</b> 2:00 PM <b>On - le :</b> November 10, 2022		<b>Time Zone - Fuseau horaire</b> EST - HNE
<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 demande de renseignements à :</b> Christine Piché		
<b>Telephone No. - N° de telephone :</b> 873-355-8841	<b>Fax No. -N° de télécopieur :</b> 1-855-983-1808	<b>Email Address - Courriel :</b> <a href="mailto:Christine.piche@pc.gc.ca">Christine.piche@pc.gc.ca</a>
<b>Destination of Goods, Services, and Construction - Destination des biens, services, et construction :</b> See Herein		
<b>TO BE COMPLETED BY THE BIDDER - À REMPLIR PAR LE SOUMISSIONNAIRE</b>		
<b>Vendor/ Firm Name - Nom du fournisseur/ de l'entrepreneur :</b>		
<b>Address - Adresse :</b>		
<b>Telephone No. - N° de telephone :</b>	<b>Fax No. - N° de télécopieur :</b>	
<b>Name of person authorized to sign on behalf of the Vendor/Firm Nom de la personne autorisée a signer au nom du fournisseur/ de l'entrepreneur</b>		
<b>Signature :</b>	<b>Date :</b>	

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## AMENDMENT 003

This amendment is raised to:

- A) Answer questions from bidders;
- B) Amendment to the tender document;
- B) Addition of a Solicitation Attachment document.

## A. QUESTIONS AND ANSWERS

Q22: As per section 08 01 50 2.2.4, the dovetail joint (dovetailed mortise and tenon) at the meeting rail and stile single requires complex machining. Will there be an opportunity to simplify the joinery at the meeting rail?

A22: No

Q23: I've just received some questions regarding loop hole windows. Could you please share some pictures of them taken from interior/exterior?

A23: See Photos 1 & 2 issued with Addendum #3

Q24: For new wood windows & doors, our window supplier doesn't do Douglas Fir windows. Is pine acceptable ?

A24: No

Q25: Section 08 01 50 2.2.4, the dovetail joint(dovetailed mortise and tenon) at the meeting rail and stile single requires complex machining. Will there be an opportunity to simplify the joinery at the meeting rail?

A25: No

Q26: Drawing S402, details 3, 3c, 3d: Please confirm that cost of removal and resetting of corner stones required to install grouted anchors is covered in Unit Price Table, Item 2 – Remove and reset displaced stones.

A26: Correct

Q27: Drawings S203 and S206, Note: Include to replace 5 large Quoin Stones which were cut to install control joint, with new limestone Quoins to match existing. Question: Please confirm that this scope of work will be covered by Unit Price Table, Item 17 – New Stone: Remove and replace with new stone unit.

A27: Correct

Q28: Drawing S400, detail 10, Note 2: Remove all loose / deteriorated mortar behind removed stone, including in inner stone wythe, for deep core consolidation, assume 150mm of core material to be removed and consolidate. Question: Please advise if this scope of work will be covered by Unit Price Table, Item 3 – Grouting of wall core...

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**A28: This work is part of the Remove and reset, or new stone quantities. Grouting is limited to the grouting of voids where it is determined that the work cannot be done by Deep Backpointing.**

Q29: Drawing S400, detail 10, Note 3: Repointing all interior mortar joints in wall and consolidate wall core using stone gallettes and mortar. And Drawing S400, detail 11, Note: Allow for repointing all joints in backup masonry, and restoring collar joints behind face stone. Question: Please advise if we have to include the cost of this scope of work for all resetting of displaced stone areas (Unit Price Table, Items 2 and 11), and for all new stone installation areas (Unit Price Table, Items 17, 18 and 19)

**A29: Correct**

Q30: Drawing S400, detail 2, Note – Grouting: where voids are noted deep in the wall core which cannot be accessed, install grout tube into void ... Question: Please advise if this scope of work will be covered by Unit Price Table, Item 3 – Grouting of wall core...

**A30 : Correct**

Q31: As per drawing S505, for Wrought iron shutter RW1-80 says "the left side is missing" so is the intent to fabricate and install a new shutter? Please advise.

**A31: No it will not be reproduced.**

Q32: Drawing S402, detail 4, Note: At base of wall, remove all debris. Once removals are complete, rake out and repointing must extend 12mm below top of asphalt / concrete at grade. Question: Please advise who is responsible to cut and remove existing asphalt. Who is responsible for patching asphalt after repointing is completed.

**A32: the contractor is responsible for removing and reinstating the asphalt.**

Q33: Drawing S402, detail 3e, Note: Rubble core stone to be consolidated prior to drilling for anchor.

Question: Please confirm that consolidation of rubble core will be covered by Unit Price Table, Item 3: Grouting of wall core...

**A33: This consolidation is part of the Anchor installation rate.**

Q34: Drawing S402, detail 3e, Note: Stainless steel threaded rod. See anchor schedule.

Question: I can not find anchor schedule, please advise.

**A34: Refer 3a on S402 for anchor spacing and procedure.**

Q35: Drawings S203, S204, Note: Remove all conduits and pipe. Including all related brackets from this zone to permit raking out, repairs and repointing. Reinstall on completion of work.

Question: Please advise if all electrical power lines will be on or off for the duration of the project. Please advise if gas line will be on or off for the duration of the project.

**A35: Gas will stay on, as well as power. It may be possible to do a shut off at the panel, however it is not confirmed at this time.**

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Q36: Drawing S500, detail 6, Note: Cut out concrete to facilitate ground floor window frames replacement work and repair once new frame installed. Question: Please advise for how many locations we have to carry this work

**A36: All ground floor windows as per detail title.**

Q37: Would it be possible to precise the dimensions of the existing main entrance door/portal and if there are any weight constraints regarding to the bridge?

**A37: The new bridge is designed to support the maintenance vehicle outlined in CSA S6-19. Contractor to confirm all site access.**

Q38: Please advise which item should do we put price for remove and reinstall metal railings in the unit price table?

**A38: See revised Appendix 1 issued with Addendum #3.**

Q39: Refer to drawing S507, is scope of work shows on this drawing for modern railing included in this contract? If yes, which item should we put in the price?

**A39: See revised Appendix 1 issued with Addendum #3.**

Q40: Please advise which item should do we put price for iron window bar restoration as S504?

**A40: See revised Appendix 1 issued with Addendum #3.**

Q41: Please advise which item should do we put price for metal shutter restoration as S505?

**A41: See revised Appendix 1 issued with Addendum #3.**

## **B. AMENDMENT TO THE TENDER DOCUMENT**

**REPLACE APPENDIX 1 – COMBINED PRICE FORM** in its entirety **WITH APPENDIX 1 – COMBINED PRICE FORM** Revision No. 02 attached. Changes are in red.

## **C. ADDITION OF A SOLICITATION ATTACHEMENT DOCUMENTS**

Refer to documents below uploaded on November 4, 2022:

- **Photo 1 issued with addendum 3**
- **Photo 2 issued with addendum 3**
- **S100 + 1 + ADD3 + SITE PLAN**
- **S402 + 3 + ADD3 + MASONRY REPAIR SECTIONS**

**ALL OTHER TERMS & CONDITIONS REMAIN UNCHANGED**

**APPENDIX 1 - COMBINED PRICE FORM – REVISION NO.02**

- 1) The prices per unit will govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

Bidders are reminded that it is their responsibility to include in their bid all work as described in the drawings and specifications. Pricing for work not accounted for in the Unit Price Table including but not limited to Mobilization, De-Mobilization, etc. is to be included in the Lump Sum Table.

**LUMP SUM**

The Lump Sum Amount designates Work to which a Lump Sum Arrangement applies.

- (a) Work included in the Lump Sum Amount represents all work not included in the unit price table.

Item No.	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Extended amount applicable tax(es) extra
1	01 10 00	Mobilization: Includes any and all components set-up to facilitate the Work, including Bonds, but excluding scaffolding.	Lump Sum	\$
2	01 10 00	Demolition: Include any and all component dismantling and removal from area of Work.	Lump Sum	\$
3	01 10 00	All other items not identified in the bid form but are specified, indicated or implied in the Contract Documents and/or are required to complete the job in its entirety including the cost of all permits and other fees.	Lump Sum	\$
4	01 54 23	Supply, install and maintain scaffolding. Include access stairs, anchorage, and temporary fall protection. Include for removal at completion of project.		
		a) Interior- Redoubt	Lump Sum	\$
		b) Exterior-Ditch	Lump Sum	\$
5	01 51 23 01 56 00	Provide housing, hoarding, fencing, tarpaulins and temporary structures for security, safety and Work enclosure.		
		a) Interior- Redoubt	Lump Sum	\$
		b) Exterior-Ditch	Lump Sum	\$
6	01 51 23	Heating: Includes any and all	Lump Sum	\$

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Item No.	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Extended amount applicable tax(es) extra
		fuels/electricity for the heaters and rental cost of the heaters.		
7	04 03 05.21	Perform 100% raking out and repointing to all mortar joints, in all walls noted on drawings. Completion of raking out, backpointing and finishpointing as per 1/S400 and 2/S400.		
		a) Interior- Redoubt	Lump Sum	\$
		b) Exterior- Ditch	Lump Sum	\$
8	04 03 05.21	Perform 100% raking out and repointing with elastic chinking in skyward facing joints, as per details 1/S400 and 11/S400.	Lump Sum	\$
9	04 05 19	Supply and install grouted anchors as noted on drawings.	Lump Sum	\$
10	08 01 50 08 03 80	Supply and install new wood windows, complete with glazing, related hardware and accessories. Locations noted on drawings and Worksheets.	Lump Sum	\$
11	08 01 50 08 03 40 08 03 80	Remove, repair and reinstall wood windows. Install new or salvaged glazing. Reattach related hardware and accessories. Locations noted on drawings and Worksheets.	Lump Sum	\$
12	08 03 11	Supply and install new wood doors, complete with related hardware and accessories. Locations noted on drawings and Worksheets.	Lump Sum	\$
13	08 03 11 08 03 40	Remove, repair and reinstall wood doors, complete with related hardware and accessories. Locations noted on drawings and Worksheets.	Lump Sum	\$
14	09 91 00	Painting of refurbished and new wood windows and doors. Include for priming before assembly. See drawings and specification for methodology.	Lump Sum	\$
15	04 03 05.13 04 03 05.21	Cleaning of stone prior to commencement of work and after masonry work is complete.		
		a) Interior- Redoubt	Lump Sum	\$

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		b) Exterior- Ditch	Lump Sum	\$
16	S203 S204 S206	(CL) Remove lime gypsum buildup from face of stone as noted on the drawings.	Lump Sum	\$
17	01 10 00	Demobilization: Includes any and all component removal, cleanup, landscaping and reinstatement of components disturbed by the Work. (Demobilization to be 35% of the total mob/demob cost)	Lump Sum	\$
<b>LUMP SUM AMOUNT (LSA)</b> Excluding applicable tax(s)				\$

#### UNIT PRICE TABLE

The Unit Price Table designates Work to which a Unit Price Arrangement applies.

- (a) Work included in each item is as described in the referenced specification section.
- (b) The Price per Unit shall not include any amounts for Work that is not included in that unit price item.

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(s) extra (PU)	Extended amount (EQ x PU) applicable tax(s) extra
1	03 01 30	Perform shallow concrete repairs as per 9/S402. Including for all labour and materials to facilitate work.	m <sup>2</sup>	10	\$	\$
2	04 03 05.21	(R) Remove and reset displaced stones, avg. size 300x500x350mm. Include all required materials and labour.	m <sup>2</sup>	30	\$	\$
3	04 03 05.21	Grouting of wall core, including installation and removal of tubing. See drawing S400. (Measurement to be verified daily).	Litres	1500	\$	\$
4	04 03 43.13	Simple Dutchman Repair (Large): Size range: >0.15m <sup>2</sup> x150mm deep. Include all required materials and labour.	m <sup>2</sup>	40	\$	\$
5	04 03 43.13	Simple Dutchman Repair (Small) Size range: 0.01 m <sup>2</sup> to 0.15m <sup>2</sup> x150mm deep. Include all required materials and labour.	m <sup>2</sup>	65	\$	\$

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Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(es) extra (PU)	Extended amount (EQ x PU) applicable tax(es) extra
6	04 03 43.13	Dutchman Repair (Edge) Size: 700x100x125mm deep. Include all required materials and labour.	m <sup>2</sup>	9	\$	\$
7	04 03 43.13	<u>Simple Templated Dutchman Carved repair</u> : any carved stone that requires one template, whether Section of Bed or Face. Examples: Voussoirs at the arches. Include all required materials and labour. a) Small: 0.01m <sup>2</sup> to 0.15m <sup>2</sup> x150mm deep.	m <sup>2</sup>	35	\$	\$
		b) Large: >0.15m <sup>2</sup> x150mm deep	m <sup>2</sup>	20		
8	04 03 43.13	<u>Complex Templated Dutchman Carved repair</u> : any carved stone that requires two or more templates, i.e curved and moulded. Include all required materials and labour. a) Small: 0.01m <sup>2</sup> to 0.15m <sup>2</sup> x150mm deep.	m <sup>2</sup>	10	\$	\$
		b) Large: >0.15m <sup>2</sup> x150mm deep	m <sup>2</sup>	10		
9	04 03 43.13	Stone Restoration: Perform limestone repairs with restoration mortar (150x50x50mm/unit). Including all materials and labour.	Each	150	\$	\$
10	04 03 43.13	In-situ Fracture Repair: In-situ repair to fractured limestone units (2 pins used over 300mm length/unit). Including all materials and labour. See 3/S400.	Each	715	\$	\$
11	04 03 43.13	Fracture Repair: Remove stone and reset (2 pins used over 300mm length/unit). Including all materials and labour. See 4/S400 and 5/S400.	Each	120	\$	\$
12	04 03 43.13	Crack Repair: Perform stone crack repairs to stone units that do not require in-situ pinning.	Each	130	\$	\$



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Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(es) extra (PU)	Extended amount (EQ x PU) applicable tax(es) extra
		Include all materials and labour (300mm long/repair).				
13	04 03 43.13	Shard Repairs: Repair as per Specification.	Each	50	\$	\$
14	04 03 43.13	Descaling Stone Face.	m <sup>2</sup>	38	\$	\$
15	04 03 43.13	Resurfacing Stone Face. Refer to drawing S401.	m <sup>2</sup>	35	\$	\$
16	04 03 43.13	Insert Removal: Remove steel insert and perform restoration mortar repairs. Average size 25mm dia.	Each	235	\$	\$
17	04 03 43.16	New Stone: Remove and replace with new stone unit. Average stone size: 350x550x400mm thk. Include all materials and labour.	m <sup>2</sup>	60	\$	\$
18	04 03 43.16	New Carved Stone: Remove and replace with new stone unit. Average stone size: 250x700x350mm thk. Include all materials and labour. a) Simple templated (any carved stone that requires one template)	m <sup>2</sup>	10	\$	\$
		b) Complex templated (any carved stone that requires two or more templates).	m <sup>2</sup>	5.0		
19	04 03 43.16	New Stone with stone scupper: Remove and replace with new stone unit. Average stone size: 350x900x350mm thk. Include all materials and labour.	m <sup>2</sup>	2.5	\$	\$
20	05 70 10	Metal Repair Type 'A'	30 per Railing Section	570		
21	05 70 10	Metal Repair Type 'B', average 150 sq. mm	2 per Railing Section	38	\$	\$
22	05 70 10	Metal Repair Type 'C'	4 per Railing Section	76	\$	\$
23	05 70 10	Metal Repair Type 'D'	2 per Railing Section	38	\$	\$
24	05 70 10	Metal Repair Type 'E'	2 per Railing Section	38	\$	\$

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25	05 70 10	Metal Repair Type 'F'	4 per Railing Section	76	\$	\$
26	05 70 10	Metal Repair Type 'G'	7 per Railing Section	133	\$	\$
27	05 70 10	Metal Repair Type 'H'	1 per Railing Section	19	\$	\$
28	05 70 10	Metal Repair Type 'I'	8 per Railing Section	152	\$	\$
29	08 01 50 08 03.52.71 09 91 00	Loop Hole Covers:				
		a) Supply and install new wood frames.	Each	90	\$	\$
		b) Supply and install new sashes, c/w glazing, related hardware and accessories.	Each	75	\$	\$
		c) Supply and install restored sashes, c/w glazing, related hardware and accessories.	Each	15	\$	\$
30	09 97 19 05 70 10 S506	Restore, paint, and reinstall original railing	Each	19	\$	\$
31	09 97 19 05 70 10 S507	Modify, paint and reinstall modern guardrail	Each	19	\$	\$
32	09 97 19 05 70 10 S505	Restore and reinstall iron shutters	Each	23	\$	\$
33	09 97 19 05 70 10 S505	Reproduce and install unrestored hardware copper clad shutters	Each	12	\$	\$
34	09 97 19 05 70 10 S504	Restore and reinstall iron bars	Each	6	\$	\$
35	09 97 19 05 70 10 S503	Hand forge HL hinges	Each	2 pairs	\$	\$

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Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(es) extra (PU)	Extended amount (EQ x PU) applicable tax(es) extra
<b>TOTAL EXTENDED AMOUNT (TEA)</b> Excluding applicable tax(es)						\$

<b>TOTAL BID AMOUNT (LSA + TEA)</b> Excluding applicable tax(es)						\$
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