



**RETURN BIDS TO:
RETOURNER LES SUBMISSION À :**

Parks Canada Agency Bid Receiving Unit
National Contracting Services

Bid Fax: 1-866-246-6893

Bid Email: soumissionsouest-bidswest@canada.ca

This is the only acceptable email address for responses to bid solicitation. Bids submitted by email directly to the Contracting Authority or to any other email address may not be accepted.

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**REVISION 004 TO A
INVITATION TO TENDER**

**RÉVISION 004 INVITATION À
SOUMISSIONNER
DEMANDE D'OFFRES À
COMMANDES**

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
Calgary, AB

Title - Sujet : Lake Louise Pipestone Waterline Crossing – Banff National Park	
Solicitation No. - N° de l'invitation : 5P420-20-0346/A	Date : January 22, 2021
Amendment No. - N° de modification : 004	
Client Reference No. - N° de référence du client : 914	
GETS Reference No. N° de référence de SEAG : PW-20-00938896	

Solicitation Closes - L'invitation prend fin : At - à : 2:00 PM On - le : January 29, 2021	Time Zone - Fuseau horaire MST
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F.O.B. - F.A.B. : Plant - Usine : <input type="checkbox"/> Destination : <input checked="" type="checkbox"/> Other - Autre : <input type="checkbox"/>		
Address Enquiries to - Adresser toutes demande de renseignements à : Jen Maheu		
Telephone No. - N° de telephone : (587) 432-8458	Fax No. -N° de télécopieur : (866) 246-6893	Email Address – Courriel : jennifer.maheu@canada.ca
Destination of Goods, Services, and Construction - Destination des biens, services, et construction : See Herein		

TO BE COMPLETED BY THE BIDDER - À REMPLIR PAR LE SOUMISSIONNAIRE

Vendor/ Firm Name - Nom du fournisseur/ de l'entrepreneur :	
Address - Adresse :	
Telephone No. - N° de telephone :	Fax No. - N° de télécopieur :
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	
Signature :	Date :

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Amd. No. - N° de la modif. :
004

Contracting Authority - Autorité contractante :
Jen Maheu

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914

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AMENDMENT 004

This addendum is being issued to extend the solicitation closing date, distribute questions and answers, make changes to the tender package, and to replace Appendix 1 - Combined Price Form.

A. BID CLOSING DATE

The closing date for tender 5P420-20-0346/A is extended from January 26, 2021 to **January 29, 2021 at 2:00PM Mountain Standard Time (MST)**.

Please note that the question period has not been extended.

B. QUESTIONS & ANSWERS

Q28 Can the size of the Air Release Valve and valve be confirmed.
A28 50mm

Q29 Can the material type of the spacer blocks shown on drawing C105 be confirmed?
A29 Concrete

Q30 Can you confirm if the waste excavation material is to be hauled outside of the Park or if there is another closer location that it can be disposed of?
A30 Clean fill can be hauled and disposed of at Pit 69.

Q31 Is there any laydown space available to the contractor within Lake Louise?
A31 There will be laydown area provided at the east end of Village Road on the shoulder of the road.

Q32 Are any shrubs required to be restored if removed on the right of way or is the intent to just topsoil and seed any disturbed landscaped areas?
A32 Shrubs along the embankments of the bridges are to be replaced. Plant species to match existing and to be approved by PCA. Additional shrubs to be restored are to be approved by PCA.

Q33 Is bid item A6 (topsoil stripping) intended for any topsoil stripping areas on the project or only when unsuitable topsoil is encountered and required to be removed from the Park?
A33 Refer to Q6 in Solicitation Amendment 03. Topsoil stripping (haul off-site) is intended for any deleterious material unsuitable for reuse. All additional topsoil stripping is incidental to the work.

Q34 Can you confirm native soil is to be used as trench backfill (import fill is not required)?
A34 Confirmed. The intent is to reuse in-situ material subject to meeting testing and compaction requirements as specified.

Q35 In reference to Methods and Payments 3.2.3.3, please confirm that testing such as flushing, disinfecting, pressure and leakage testing and CCTV inspection is not required on the casing pipes.
A35 Confirmed. Casing material should arrive in good working conditions and should be inspected for any deficiencies by the contractor and accepted by the Departmental Representative prior to install.

Q36 For bid item #D8 - Hydrovac'ing around building, propane tanks and air handling unit, what is the depth of trench to be excavated by hydrovac?

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A36 Contractor is responsible for hydrovac'ing areas of existing utilities and structures as described, for safe completion of the work. Required depths will be based on the depth and extent of existing utilities and structures within the work area. All additional hydrovac'ing to confirm locates of existing utilities is incidental to the work.

Q37 Please confirm the sidewalk between the two bridges is to be replaced in full. With the proposed alignment, the sidewalk will not be able to be salvaged even in a caged excavation. Can the tender quantity for replacement be reviewed?

A37 Confirmed. Contractor to select construction methodologies which minimize disturbance to existing infrastructure.

Q38 For the SS watermain, are any pipe joints to be made by welding in the field or flanges?

A38 Stainless Steel pipe joints shall be flanged and meet all AWWA standards as specified in section 33 11 16 – Site Water Utility Distribution Pipe, Part 2. Contractor shall meet manufacturer specification and instructions for installation. Contractor should note SS main is to be pre-insulated with heat tracing and be fully restrained.

Q39 In regards to Note 2 of Detail 1 on drawing C105, is the pre-insulated PVC pipe between the bridge decks to be Restrained joint pipe such as TerraBrute?

A39 All pre-insulated pipe is to be fully restrained and work in conjunction with insulation and heat tracing. Pipe material to be as listed in Section 33 11 13, Part 2.1. Alternate material shall match listed material and specification and be approved by the Departmental Representative.

Q40 Are the proposed power conduits to be installed by HDD under the river crossings or are they to be mounted to the bridge decks?

A40 See Q11 in Solicitation Amendment 03. Routes are diagrammatic; new electrical conduit is to be mounted on the existing bridge beside existing conduits.

Q41 Is there any allowance for tree removal in the quantities for conduit installation if they are to be installed as shown on drawing E1.0?

A41 Routes are diagrammatic as highlighted in Q11 and Q40. The intent is to complete install with as little disturbance to existing vegetation as possible. Alignment to be reviewed and confirmed on site with the Departmental Representative. Tree removal to be reviewed on site on a case to case basis. See revised bid form for revised quantity in the Tender Package Revisions below.

Q42 Can a drawing, dimensions or spec be provided for the proposed enclosure and heater for the air release valve?

A42 Enclosure should be a removable insulation kit to allow for maintenance of the air release valves. Kit shall integrate with the pre-insulated pipe as detailed in sheet C105. Shop drawing to be submitted and approved by the Departmental Representative prior to procurement.

Q43 The standard references applied (26 05 00) and (26 05 31) do not specify what is required to quote. Please provide (1) Tier rating? Weight rating for enclosure and cover, (2) dimensions required, (3) open or solid bottom.

A43 Refer to Q25 from Solicitation Amendment 03.

Q44 Please confirm: Heat Trace system along with alarm signals, seems to be supplied by URECON and installed as per Division 26.

A44 Refer to Q26 and Q27 Solicitation Amendment 03.

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B. TENDER PACKAGE REVISIONS

CHANGES ARE SHOWN IN RED.

A. Specifications

1. In: Section 01 29 01 Methods of Measurement and Payment Part 3. Section 3.5

Add: Item .12 Asphalt Trail

.12 Asphalt Trail

- .1 Measurement shall be made in square metres (S.M.).**
- .2 Payment shall be made on the unit price bid per square metre (S.M.).**
- .3 Payment shall include the supply of all labour, material and plant for construction the paved walkway.
The work includes:
 - .1 Traffic accommodations, barricades, flag-person or temporary traffic control as required**
 - .2 Construction survey, layout, setting grades**
 - .3 Locating and protection of existing utilities and structures.**
 - .4 Setting of manhole and catch basin frames and covers, valve boxes and all other surface features to make a smooth surface.**
 - .5 Supply of gravel, placement, grading, compacting, watering, aerating and testing.**
 - .6 Supply of all materials, mixing, transporting, placing, compaction and testing.**
 - .7 Asphalt mix design.**
 - .8 Grading, compaction, topsoil and seed of all disturbed work area**
 - .9 Cleaning, removal of debris.**
 - .10 All incidental work and items required to complete the work for which payment is not specified elsewhere.****

C. APPENDIX 1 – COMBINED PRICE FORM (see following pages)

THE ATTACHED APPENDIX 1 - COMBINED PRICE FORM MUST BE USED IN ORDER FOR A BID TO BE DEEMED RESPONSIVE. ANY BIDS SUBMITTED NOT USING THE COMBINED PRICE FORM WILL NOT BE ACCEPTED.

CHANGES ARE SHOWN IN RED.

Delete: *APPENDIX 1 – COMBINED PRICE FORM* in its entirety

Replace with: See attached

ALL OTHER TERMS & CONDITIONS REMAIN UNCHANGED

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APPENDIX 1 - COMBINED PRICE FORM (6 Pages)

- 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.

Note: 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 including but not limited to Mobilization, De-Mobilization, etc. is to be included in the Lump Sum Table.

PRICE TABLE

Lump Sum Amounts designate Work to which a Lump Sum Arrangement applies.

Unit Price items designate 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.

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A: SITE WORKS

Item No.	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity	Price per Unit (Tax extra)	Estimated Total Price (Tax extra)
1	01 21 00	Prime Cost Sum	Lump Sum	1		\$ 200,000.00
2	01 35 43	Erosion and Sediment Control	Lump Sum	1		\$
3	01 52 00 01 35 43	Traffic Control, Barricades & Signs	Lump Sum	1		\$
4	01 11 00	General Requirements	Lump Sum	1		\$
5	32 03 11 32 92 19.13	Landscaping Rehabilitation	Lump Sum	1		\$
6	31 14 13 32 91 19.13	Topsoil Stripping (Haul off-site)	Square Meter	300	\$	\$
7	31 11 00	Clearing and Grubbing	Square Meter	150	\$	\$
A. SITE WORKS SUBTOTAL						\$ _____

B: WATER MAINS

Item No.	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity	Price per Unit (Tax extra)	Estimated Total Price (Tax extra)
1	33 11 16	Supply and Install 300mm Stainless 316 Watermain c/w fittings (includes 300mm Stainless 316 Pipe, 3" Insulation, HDPE outer jacket and Heat Tracing System)	Liner Meter	104.1	\$	\$
2	33 11 16	Supply and Install 300mm PVC Watermain c/w fittings (includes 300mm PVC Pipe, 3" Insulation, HDPE outer jacket and Heat Tracing System)	Linear Meter	113	\$	\$
3	33 11 16.21	Supply and Install 600mm Metal Casing Pipe	Linear Meter	79.5	\$	\$

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4	33 11 16.21	Supply and Install Metal Casing Pipe Sliding Supports	Each	6	\$	\$
5	31 23 33 33 11 16 33 12 13	Supply and Install 300mm dia Watermain Valves	Each	1	\$	\$
6	03 30 00 33 11 16	Supply and Install Thrust/Anchor Blocks	Each	4	\$	\$
7	31 23 33 33 11 16 33 11 16.13 33 12 13	Connection to Existing Water Main	Each	2	\$	\$
8	33 11 16	Air release valves, with enclosure and heater	Each	2	\$	\$
9	33 11 16	Expansion Joint	Each	2	\$	\$
10	01 51 00	Temporary Water Service	Lump Sum	1		\$
B. WATER MAINS SUBTOTAL						\$ _____

C: STRUCTURAL

Item No.	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity	Price per Unit (Tax extra)	Estimated Total Price (Tax extra)
1	01 35 43 01 52 00	Work Platform and Environmental Containment	Lump Sum	1		\$
2	05 12 33	Supply and Delivery of Structural Steel	Kilogram	4500	\$	\$
3	05 12 33	Install of Structural Steel	Kilogram	4500	\$	\$
4	05 05 19 05 12 33	Delivery 25 DIA, 650 Embedment Stainless Steel Anchors	Each	64	\$	\$

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5	05 05 19 05 12 33	Supply and Delivery 19 DIA 350 Embedment Stainless Steel Anchors	Each	48	\$	\$
6	05 05 19 05 12 33	Install 25 DIA, 650 Embedment Stainless Steel Anchors	Each	64	\$	\$
7	05 05 19 05 12 33	Install 19 DIA 350 Embedment Stainless Steel Anchors	Each	48	\$	\$
8	01 74 21	Concrete Removal and Patching (Quantity As Required based on Hammer Testing)	Square Meter	3	\$	\$
C. STRUCTURAL SUBTOTAL						\$ _____

D. ELECTRICAL

Item No.	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity	Price per Unit (Tax extra)	Estimated Total Price (Tax extra)
1	01 52 00	Supply and Install of Shallow Utility Ducts				
		a) 53mm dia PVC duct	Linear Meter	200	\$	\$
		b) 35mm dia PVC duct	Linear Meter	400	\$	\$
2	26 05 19 26 05 26	Supply and Installation of Wiring Conductors				
		a) 2#6 AWG + Ground	Linear Meter	160	\$	\$
		b) 2#8 AWG + Ground	Linear Meter	220	\$	\$
		c) 2#10 AWG +Ground	Linear Meter	300	\$	\$
3	26 05 00 26 05 31	Concrete pull boxes, Complete Including Connection to Utility	Each	3	\$	\$
4	26 22 00	7.5 kVA Transformer	Each	1	\$	\$

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5	01 74 21 26 05 00 26 50 00	Removal and Re-Installation of Street Lights - bases, poles and lights (4 x 25' poles)	Each	4	\$	\$
6	01 51 00 26 50 00	Temporary Lighting c/w wood poles	Each	4	\$	\$
7	01 51 00 26 05 34	Temporary wiring for temp lighting	Linear Meter	200	\$	\$
8	31 23 33	Hydrovac'ing around building, propane tanks and air handling unit	Linear Meter	50	\$	\$
9	Division 26	Electrical Works for Parks Canada including but not limited to breakers, coring, installation of heat trace controllers, junction boxes, installation of heat trace, terminating wiring, alarm signals, electrical shutdowns, travel and other job expenses for the project **	Lump Sum	1		\$
D. ELECTRICAL SUBTOTAL						\$ _____

E. ROADWORKS

Item No.	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity	Price per Unit (Tax extra)	Estimated Total Price (Tax extra)
1	31 23 33	Waste Excavation	Cubic Meter	250	\$	\$
2	02 41 13.13	Removal and Disposal of Ex Asphalt, including all saw cutting	Square Meter	265	\$	\$
3	01 52 00 01 74 21	Removal & Disposal of Existing Concrete Curb & Gutter	Linear Meter	75	\$	\$
4	01 52 00 01 74 21	Removal & Disposal of Existing Concrete Sidewalk	Square Meter	135	\$	\$
5	31 22 16.13	Subgrade Prep	Square Meter	265	\$	\$

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6	31 05 16 32 11 16.01	Granular Sub-base a) 300 mm Compacted Thickness	Square Meter	265	\$	\$
7	31 05 16 32 11 16.01	Granular Base Course, 25 mm Crushed Gravel a) 100 mm Compacted Thickness	Square Meter	265	\$	\$
8	32 12 13.23	Prime Coat	Square Meter	265	\$	\$
9	32 12 13.16 32 12 16	Asphaltic Concrete Pavement a) Hot Mix - 140mm Compacted Thickness Mix 'A' or Superpave	Square Meter	265	\$	\$
10	32 12 13.16 32 12 16	Hot Mix - 40mm Compacted Thickness Mix 'C' or Superpave Fine	Square Meter	265	\$	\$
11	03 10 00 03 02 00 03 30 00 32 16 15	Install New Concrete Curb & Gutter	Linear Meter	85	\$	\$
12	03 10 00 03 02 00 03 30 00 32 16 15	Install New Sidewalk	Square Meter	150	\$	\$
13	01 56 00	Supply and Install Permanent Precast Barriers	Linear Meter	30	\$	\$
14	32 12 13 32 12 16 31 05 16 32 11 16	Asphalt Trail Hot Mix – 75mm Compacted Thickness Mix 'B' or Superpave Granular Base Course, 25mm Crushed Gravel, 100mm Compacted Thickness	Square Meter	20	\$	\$
E. ROADWORKS SUBTOTAL						\$ _____

TOTAL EXTENDED AMOUNT (TEA) (A+B+C+D+E) Excluding applicable tax(es)	\$ _____
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