



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave. Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6  
Bid Fax: (780) 497-3510

**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**

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

**Issuing Office - Bureau de distribution**  
Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6

<b>Title - Sujet</b> Waterton Street Works	
<b>Solicitation No. - N° de l'invitation</b> EP922-171048/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> parks EP922-171048	<b>Date</b> 2016-09-07
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWU-183-10840	
<b>File No. - N° de dossier</b> PWU-6-39124 (183)	<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 2016-09-13</b>	
<b>Time Zone</b> Fuseau horaire Mountain Daylight Saving Time MDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Tikhonovitch (RPC), Alex	<b>Buyer Id - Id de l'acheteur</b> pwu183
<b>Telephone No. - N° de téléphone</b> (780) 901-7940 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**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> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<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>

This solicitation amendment has been raised to modify the solicitation as follows:

**DELETE:** PLANS – WATERTON LAKES NATIONAL PARK TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES – PHASE C (SHEETS C11, C13, C15 - C17, C19 - C22, C24 - C40) -27 pages

**INSERT:** PLANS – WATERTON LAKES NATIONAL PARK TOWNSITE MUNICIPAL INFRASTRUCTURE UPGRADES – PHASE C (SHEETS C11, C13, C15 - C17, C19 - C22, C24 - C40) -27 pages

Refer to attached PDF document.

**INSERT:** PLANS - WATERTON LAKES NATIONAL PARK TOWNSITE PARKING REDEVELOPMENT PLAN OFF STREET IMPROVEMENTS LOTS B,C & D (27 Pages)

Refer to attached PDF document.

**DELETE:** APPENDIX 1 – COMBINED PRICE FORM (4 pages)

**INSERT:** APPENDIX 1 – COMBINED PRICE FORM - REVISED VIA ADDENDUM 002 - (5 pages)

Refer to attached PDF document.

**DELETE:** Section 00 01 10 – TABLE OF CONTENTS

**INSERT:** Section 00 01 10 – TABLE OF CONTENTS - REVISED VIA ADDENDUM 002

Refer to attached PDF document.

**DELETE:** Section 01 35 29.06

**DELETE:** Section 01 61 00 1.1.2

**DELETE:** Section 01 61 00 1.7.2

**DELETE:** Section 31 23 33.01 3.3.3

**DELETE:** Section 32 00 02 3.1.1 “and must be approved by the Departmental Representative”

**The following Questions and Answers are provide for clarification:**

Q1: Do you have or can you get more detail for the Vault Structure – MH 504?

A1: VS 504 Detail has been added to drawing set. The Bid item name has been updated from MH 504 to VS 504.

Q2: I was wondering if there is anything preventing me from bursting all water and sewer lines that we can for this job. It's typically non-invasive and we can slip line and burst services as well.

A2: Due to the new alignments of many lines and frequency of services pipe bursting is not considered feasible in most locations.

Q3: Are mechanical restraints required?

A3: Vertical bends will require mechanical restraints. Horizontal bends can be either concrete or mechanical.

Q4: What are the anticipated earthworks quantities? Can you create an excavation bid item?

A4: It is the contractor's responsibility to determine the earthworks quantities. A bid item for earthworks quantities will not be added to the contract.

Q5: Where do material stockpiles go?

A5: Topsoil to the upper compound. All suitable surplus material to the Red Rock Compound (Approximately 5km from townsite). Any concrete, pipe, manhole, valve, hydrant demolition to be hauled outside the park and becomes the property of the Contractor.

Q6: Is there any asbestos pipe to be removed?

A6: No, asbestos cement pipe is not anticipated.

Q7: How much unsuitable material can we expect?

A7: Almost all of the material that has been excavated in the townsite on current phase has been suitable for reuse. Saturated or frozen material may be considered unsuitable and this quantity will vary depending on the site conditions.

Q8: Specification says 200-300 oil but also references City of Lethbridge mix which is 150-200. Which should we be using?

A8: Use City of Lethbridge standard oil.

Q9: Do service connections require a saddle?

A9: Yes.

Q10: Is tracer wire required?

A10: Tracer wire is required on Water mains but not on sewer mains.

Q11: Specification mentions 150mm depth for subgrade prep. Drawings reference 300mm. Which is it?

A11: Subgrade prep is 300mm as per drawings.

Q12: The S-10-C standard drawing for adjustable frames is never used. Do we need to use it?

A12: No, use standard City of Lethbridge Frame as per standard drawing S-10.

Q13: Do we need to remove and dispose all existing pipe?

A13: No. Only pipes encountered in the trench will need to be removed and disposed. All valves and hydrants to be removed to a depth of 1m below surface. All manholes shall be completely removed.

Q14: What is the testing frequency?

A14: The contractor is responsible for all quality control testing. Asphalt testing requirements are outlined in section 32 00 03 of the specifications. One Hot Mix Analysis per 500t of each mix type supplied is required. Concrete testing shall be completed in accordance with the City of Lethbridge standards. One set (3 cylinders) per 150m linear length of curb or sidewalk is required. Compaction testing shall be completed the discretion of the contractor. It is the responsibility of the contractor to ensure that all materials are placed in accordance with the specifications.

Q15: Can the Contractor hire the consultant (Amec Foster Wheeler) for testing and survey services?

A15: Refer to Section 01 45 00 1.2. The contractor shall hire an independent testing agency. Refer to section 01 61 00 for the surveyor requirements.

Q16: Is there a concrete swale on Cameron Falls Dr? There is a comment on the plans. If not, where is the 10m of concrete swale?

A16: The swale note on Cameron Falls Drive has been removed. There concrete swale is at the Bertha Parking Lot.

Q17: Is there detail for the 1m wide swale?

A17: The depth and thickness will be as per the City of Lethbridge standard details, however the width will be increased to 1 m.

Q18: How is the gas line relocation handled?

A19: The gas line relocation will be coordinated by the successful contractor and the work will be completed by the owner of the gas line, Chief Mountain Gas Co-op. The cost associated with the gas line relocation is not currently included in the contract.

Q19: Is there a specification for the millings?

A19: The millings shall be well graded with a maximum size of 25 mm and compacted to 100 % SPMDD.

Q20: There are waterline size discrepancies on the plans between the plan and profiles.

A20: These have been corrected. Additional size labels have been added to provide more clarification.

Q21: Do we need to provide temporary services to the residents?

A21: Yes. Most leave for the winter however, there are some residents that stay year round.

Q22: Are there penalties that apply to this project?

A22: A value per day of delay for liquidated damages is not currently included in the contract. Refer the Standards Acquisition Clauses and Conditions (SACC) Manual for additional information related to delays.

Q23: We have heard of parking lots that will be added to this project. Are they still going to be added?

A23: Parking lots have been added.

Q24: Environmental compliance.

A24: The Contractors shall follow the Best management practices (BMPs) set forth by Parks Canada. Environmental briefings and equipment inspections will be required. This is a sensitive work area and the contractor must comply with all environmental standards. A tree removal permit will be obtained prior to work for trees specified for removal in the contract.

Q25: Will we be able to extrude the curbs in Bertha Lane?

A25: The contractor is responsible for the method and means of construction. Due to space limitations, the Contractor will likely need to hand form the majority of curbs in Bertha Lane.

All other terms and conditions of the Invitation to Tender remain the unchanged.

**END OF ADDENDUM**

## APPENDIX 1 - COMBINED PRICE FORM (5 pages)– REVISED VIA ADDENDUM 002

- 1) The prices per unit shall 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.

### 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.

<b>LUMP SUM AMOUNT (LSA)</b> Excluding applicable tax(s)	
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### 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
1.1	WATER					
.1	33 11 16	100 mm dia. SDR 18 PVC	m	25		
.2	33 11 16	150 mm dia. SDR 18 PVC	m	770		
.3	33 11 16	200 mm dia. SDR 18 PVC	m	230		
.4	33 11 16	250 mm dia. SDR 18 PVC	m	245		
.5	33 11 16	Water Line Tie-In – Mains	ea	15		
.6	33 11 16	Water Line Service– 25 mm to Curb Stop (up to 15m)	ea	8		
.7	33 11 16	Water Line Service– 25 mm Parks House	ea	2		
.8	33 11 16	Water Line Service– 50 mm to Curb Stop (up to 15m)	ea	3		
.9	33 11 16	Water Line Service– 50 mm to Parks Infrastructure	ea	3		
.10	33 11 16	150 mm dia. Gate Valve	ea	17		
.11	33 11 16	200 mm dia. Gate Valve	ea	3		
.12	33 11 16	250 mm dia. Gate Valve	ea	4		
.13	33 11 16	Fire Hydrant (c/w valve and lead)	ea	6		
.14	33 35 00	Pipe Bursting	m	80		

.15	02 41 13	Decommissioning of Hydrant	ea	17		
.16	33 11 16	200 mm dia. DR 11 HDPE	m	85		
.17	33 11 16	Insulation for Waterline	m <sup>2</sup>	80		
.18	33 11 16	25mm Standpipe Installation	ea	2		
1.2	SANITARY SEWER					
.1	33 31 13	200 mm dia. SDR 35 PVC Pipe	m	395		
.2	33 05 16	Type 1 Manhole	vm	22		
.3	33 31 13	Sanitary Sewer Line Tie-In – Main	ea	4		
.4	33 31 13	Sanitary Sewer Service – 100 mm to Property Line (up to 15m)	ea	7		
.5	33 31 13	Sanitary Sewer Service – 100 mm to Parks House	ea	2		
.6	33 31 13	Sanitary Sewer Service – 150 mm to Property Line	ea	2		
.7	33 31 13	Sanitary Sewer Service – 150 mm to Parks Infrastructure	ea	2		
.8	33 31 13	Adjust Existing Manhole 10A to Grade	ea	1		
.9	33 32 12	200 mm dia. DR 17 HDPE	m	85		
.10	02 41 13	Remove and Dispose Manhole	ea	6		
.11	33 35 00	Pipe Bursting	m	80		
1.3	STORM SEWER					
.1	33 41 00	250 mm dia. SDR 35 PVC Pipe	m	50		
.2	33 41 00	300 mm dia. SDR 35 PVC Pipe	m	80		
.3	33 41 00	450 mm dia. SDR 35 PVC Pipe	m	43		
.4	33 41 00	525 mm dia. SDR 35 PVC Pipe	m	54		
.5	33 05 16	Catch Basin – Open Bottom, no lead, c/w frame and grate	ea	8		
.6	33 05 16	Catch Basin – Type 1 Barrel c/w frame, grate and round top	ea	1		
.7	33 05 16	Catch Basin Manhole – c/w frame and grate	vm	2.1		
.8	33 05 16	Catch Basin Manhole – Open Bottom c/w frame and grate	vm	5.9		
.9	33 05 16	Type 1 Manhole	vm	3.2		
.10	33 05 16	Type 1 Manhole – Open Bottom	vm	2.2		



.11	33 05 16	Vault Structure - VS 504	LS	1		
.12	33 41 00	Adjust Manhole to Catch Basin to Grade	ea	2		
1.4	CONCRETE					
.1	02 42 13	Remove and Dispose Concrete Surfaces	m <sup>2</sup>	400		
.2	32 16 15	Combined Sidewalk and Rolled Curb & Gutter incl. base structure	m	850		
.3	32 16 15	Wheelchair Ramp – Type 1	ea	9		
.4	32 16 15	Wheelchair Ramp – Type 2	ea	2		
.5	32 16 15	Concrete Swale – 1m width	m	12		
.6	32 16 15	Rolled Curb and Gutter	m	630		
.7	32 16 15	Standard Curb and Gutter	m	140		
.8	32 16 15	High Back Standard Curb and Gutter	m	670		
.9	32 16 15	Lane Crossing	m	40		
.10	32 16 15	Separate Sidewalk – 130 mm Depth	m	15		
.11	32 16 15	Concrete Surfacing – 130 mm Depth	m <sup>2</sup>	20		
1.5	SURFACE WORKS					
.1	02 41 13	Saw Cutting	m	40		
.2	02 41 13.14	Cold Milling Asphalt Pavement	LS	1		
.3	32 00 01	Subgrade Preparation	m <sup>2</sup>	19,000		
.4	32 00 03	Type III Asphalt Concrete Paving – 75 mm depth	m <sup>2</sup>	6,000		
.5	32 00 03	Type III Asphalt Concrete Paving – 100 mm depth	m <sup>2</sup>	10,000		
.6	32 00 02	Granular Base Course – 75 mm depth	m <sup>2</sup>	16,000		
.7	32 00 02	Recycled Asphalt Base Course – 75 mm depth	m <sup>2</sup>	16,000		
.8	32 00 02	Recycled Asphalt Base Course – 125 mm depth	m <sup>2</sup>	3,000		
.9	32 17 23	Line Painting – Parking Stalls (100 mm white)	m	1400		
.10	32 17 23	Line Painting – Zebra Crosswalk (600 mm white)	m	240		
.11	32 17 23	Line Painting – Centreline Directional Dividing (100 mm yellow)	m	850		

.12	32 17 23	Line Painting – Messages	ea	25		
.13	32 17 23	Line Painting – No Parking Zones	LS	1		
1.6	MISCELLANEOUS					
.1	32 31 27	Supply and Install Post & Rail Fence	m	205		
.2	02 41 13	Remove and Dispose Tree	ea	8		
.3	02 41 13	Remove and Transplant Tree	ea	1		
.4	32 93 10	Supply and Plant Approved Tree	ea	24		
.5	02 41 13	Remove, Salvage and Reinstall Garbage Bin	ea	1		
.6	02 41 13	Remove, Salvage and Reinstall Sign	ea	10		
.7	32 91 19.13	Topsoil Placement and Grading	m <sup>2</sup>	3,000		
.8	32 91 19.13	Imported Topsoil	m <sup>3</sup>	30		
.9	32 91 19.13	Hydro Seeding	m <sup>2</sup>	3,000		
.10	33 42 05	PVC Conduits	m	120		
1.7	PARKING LOTS (B,C,D)					
.1	32 91 19.13	Topsoil Placement and Grading	m <sup>2</sup>	2,500		
.2	02 41 13	Remove and Salvage Existing Wood Barriers	m	160		
.3	02 41 13	Remove, Salvage and Reinstall Small Garbage Bin	ea	4		
.4	02 41 13	Remove and Dispose Wood Posts	LS	1		
.5	02 41 13	Remove and Dispose Tree	ea	2		
.6	02 41 13	Saw Cutting	m	100		
.7	02 41 13	Remove and Replace Boulders	LS	1		
.8	02 41 13	Remove and Salvage Picnic Tables	ea	3		
.9	02 42 13	Remove and Dispose Concrete Surfaces	m <sup>2</sup>	20		
.10	32 31 27	Supply and Install Barrier Post	ea	80		
.11	31 05 16	Stormwater Dissipators and Sideslope Protection	m <sup>2</sup>	120		
.12	32 00 01	Subgrade Preparation	m <sup>2</sup>	5,000		
.13	32 00 03	Asphalt Pathway	m <sup>2</sup>	180		

.14	32 00 03	Type II Asphalt Concrete Paving – 60 mm depth	m <sup>2</sup>	4,500		
.15	32 00 03	Type III Asphalt Concrete Paving – 60mm depth	m <sup>2</sup>	4,500		
.16	32 00 02	Granular Base Course – 150 mm depth	m <sup>2</sup>	4,800		
.17	32 16 15	Concrete Sidewalk or Slab – 180 mm Depth	m <sup>2</sup>	20		
.18	32 16 15	Concrete Pad – 200 mm	m <sup>2</sup>	48		
.19	32 16 15	Parking Curbs	ea	100		
.20	32 17 23	Parking Lot Painting	LS	1		
.21	32 17 23	Supply and Install Signs	ea	10		
.22	32 93 10	Landscaping	LS	1		
.23	32 31 27	Silt Fence	m	200		
<b>TOTAL EXTENDED AMOUNT (TEA)</b>						
					Excluding applicable tax(s)	

<b>TOTAL BID AMOUNT (LSA +TEA)</b>		
		Excluding applicable tax(s)

- 1) Les prix unitaires seront retenus pour établir le montant total des prix calculés. Toute erreur arithmétique à cet appendice sera corrigée par le Canada.
- 2) Le Canada peut rejeter la soumission si quelconque des prix soumis ne tient pas fidèlement compte du coût de l'exécution de la partie des travaux à laquelle ce prix s'applique.

Le montant forfaitaire désigne la partie des travaux qui est assujettie à un arrangement à prix forfaitaire.

- |   |  |  |
|---|--|--|
| <b>MONTANT FORFAITAIRE (MF)</b><br>Excluant les taxes applicable(s) |  |  |
|---|--|--|

- a) Les travaux faisant partie de chaque article sont tels que décrits aux sections du devis en référence.
- b) Le prix unitaire ne doit pas inclure de montants pour des travaux qui ne sont pas inclus aux articles de prix unitaires.

Article	Référence au devis	Catégorie de main-d'œuvre, outillage ou matériaux	Unité de mesure	Quantité Estimative (QE)	Prix unitaire (PU) Excluant les taxe(s) applicables	Prix calculé (QE x PU) Excluant les taxe(s) applicables

Article	Référence au devis	Catégorie de main-d'œuvre, outillage ou matériaux	Unité de mesure	Quantité Estimative (QE)	Prix unitaire (PU) Excluant les taxe(s) applicables	Prix calculé (QE x PU) Excluant les taxe(s) applicables
TOTAL DES PRIX CALCULÉS (TPC) Excluant les taxes applicable(s)						

MONTANT TOTAL DE LA SOUMISSION (MF +TPC) Excluant les taxes applicable(s)	
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