



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS Á:**  
**Parks Canada Agency Bid Receiving Unit**  
**National Contracting Services**  
**220 - 4 Avenue S.E., suite 720**  
**Calgary, AB T2G 4X3**  
**Bid Fax: (866)246-6893**

**AMENDMENT /  
 MODIFICATION 006**

**Tender To: Parks Canada Agency**  
 We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Soumission aux: l'Agence Parcs Canada**  
 Nous offrons par la présente de vendre à Sa Majesté la Reine du Chef du Canada, aux conditions énoncées ou incluses par référence dans la présente at aux annexes ci-jointes, les biens, services et construction énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaries

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

**Issuing Office - Bureau de distribution**

**Parks Canada Agency**  
**220 - 4 Avenue S.E., suite 720**  
**Calgary, AB T2G 4X3**  
**Bid Fax: (866)246-6893**

<b>Title-Sujet</b> Tunnel Mountain Village 1 Rehabilitation – Banff National Park		
<b>Solicitation No. - No. de l'invitation</b> 5P420-18-0210/A	<b>Date:</b> August 17, 2018	
<b>GETS Reference No. – No de reference de SEAG</b> PW-18-00836655	<b>Amendment No. - N° de la modif.</b> 006	
<b>Solicitation Closes:</b>		
<b>at – á</b> 02:00 PM	<b>on – le</b> August 23, 2018	<b>Time Zone - Fuseau horaire</b> MDT - HAR
<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 Inquiries to: - Adresser toute demande de renseignements à :</b> Andrea Major    andrea.major@pc.gc.ca		
<b>Telephone No. - No de téléphone</b> (403) 292-5451	<b>Fax No. – No de FAX:</b> (866) 246-6893	
<b>Destination of Goods, Services, and Construction:</b> <b>Destinations des biens, services et construction:</b>  See Herein – Voir ici		

**TO BE COMPLETED BY THE BIDDER (type or print)**

<b>Vendor/Firm Name</b>	
<b>Address - Adresse</b>	
<b>Name of person authorized to sign on behalf of the Vendor/Firm</b> <b>Nom de la personne autorisée a signer au nom du fournisseur/ de l'entrepreneur</b>	
<b>Titale - Titre</b>	
<b>Telephone No. - N° de telephone:</b> _____	
<b>Facsimile No. - N° de télécopieur:</b> _____	
<b>Signature</b>	<b>Date</b>

**Amendment 006**

This amendment is being raised to amend the tender package, to make administrative corrections to Appendix 1 – Combined Price Form, and to distribute questions and answers submitted via email.

**A) TENDER PACKAGE REVISIONS****1. DRAWINGS**

The following drawings have been revised and are attached in *18-0210-DSP2.zip*

**Drawing Change Summary**

CIVIL DRAWING INDEX		
DRAWING NO. and REVISION	SHEET NO.	DRAWING TITLE
2 Rev 1	C-001	LOCATION PLAN & INDEX
13 Rev 1	C-111	PROPOSED WATER LAYOUT PLAN, SHEET 1 OF 2
14 Rev 1	C-112	PROPOSED WATER LAYOUT PLAN, SHEET 2 OF 2
15 Rev 1	C-113	PROPOSED GAS LAYOUT PLAN, SHEET 1 OF 2
19 Rev 1	C-117	PROPOSED DEMOLITION PLAN, SHEET 1 OF 2
21 Rev 1	C-119	PROPOSED UTILITY DISTURBANCE PLAN
27 Rev 1	C-125	LANDSCAPE RESTORATION PLAN
28 Rev 1	E-101	POWER AND COMMUNICATIONS LAYOUT PLAN, SHEET 1 OF 2
29 Rev 1	E-102	POWER AND COMMUNICATIONS LAYOUT PLAN, SHEET 2 OF 2
30 Rev 1	E-201	STREET LIGHTING LAYOUT PLAN, SHEET 1 OF 3
31 Rev 1	E-202	STREET LIGHTING LAYOUT PLAN, SHEET 2 OF 3
32 Rev 1	E-203	STREET LIGHTING LAYOUT PLAN, SHEET 3 OF 3
33 Rev 1	E-301	ELECTRICAL SCHEDULES AND DETAILS, SHEET 1 OF 3
34 Rev 1	E-302	ELECTRICAL SCHEDULES AND DETAILS, SHEET 2 OF 3
35 Rev 1	E-303	ELECTRICAL SCHEDULES AND DETAILS, SHEET 3 OF 3
36 Rev 1	C-200	PLAN PROFILE, KEY PLAN
37 Rev 1	C-201	PLAN PROFILE, BLOCK C NORTH CONNECTION TO LOOP K, STA 1+000 TO STA 1+300
38 Rev 1	C-202	PLAN PROFILE, LOOP K TO LOOP F, STA 1+290 TO STA 1+610
46 Rev 1	C-210	PLAN PROFILE, LOOP E TO MAIN, STA 6+000 TO STA 6+200
47 Rev 1	C-211	PLAN PROFILE, LOOP G TO LOOP E, STA 7+000 TO STA 7+280
NEW	C-218	PLAN PROFILE, OVER INSULATED SANITARY MAIN
54 Rev 1	C-301	TYPICAL SECTIONS
58 Rev 1	C-305	WATER DETAILS, SHEET 2 OF 2

## 2. SPECIFICATIONS

The following sections have been revised.

In Section 02 41 13 Clause 3.4.2

**DELETE:** Removed asphalt material shall remain the property of Parks Canada

**INSERT:** Removed asphalt material shall become the property of the Contractor who will be responsible for removing it from the Park to a suitable disposal location. Removal from the Park is to be incidental under item B2

In Section 31 23 33.01 Clause 3.3.8

**DELETE:** Dispose of surplus and unsuitable material at a waste site designed by Departmental Representative of a site located by contractor and approved by Departmental Representative.

**INSERT:** Section 31 23 33.01 Clause 3.3.8 The Contractor shall dispose of all waste, surplus, and unsuitable material (including trench spoil) outside of the Park at a site provided by themselves at their cost. Doing so is incidental to the Contract. The Contractor may submit a request to the Departmental Representative that surplus material which is completely free of contaminants and any waste products be stockpiled at Mannix Pit in Banff National Park. Approval may be withheld for any reason and in that event, there shall be no additional compensation to the Contractor.

In Section 01 45 00 Clause 1.5.4

**DELETE:** The Contractor shall appoint a full time qualified and experienced Quality Control Manager, 100% of their time dedicated to quality matters and who will report regularly to the Contractor's management at a level that shall ensure that Quality Control requirements are not subordinated to manufacturing, construction or delivery. The Quality Control Manager shall be empowered by the Contractor to resolve quality matter and shall be onsite for the duration of the Contract.

**INSERT:** The Contractor shall appoint a full time qualified and experienced Quality Control Manager, who will report regularly to the Contractor's management at a level that shall ensure that Quality Control requirements are not subordinated to manufacturing, construction or delivery. The Quality Control Manager shall be empowered by the Contractor to resolve quality matter and shall be onsite for the duration of the Contract. If the their quality management related responsibilities are not completed to the satisfaction of the Departmental Representative, the Contractor shall appoint a quality manager with 100% of their time dedicated to quality matters.

**B) APPENDIX 1 – COMBINED PRICE FORM****Section: UNIT PRICE TABLE**

The quantities for line item B1, E1, E2 and E3 have been changed as follows:

**Previous:**

B1	32 91 19	Import topsoil for reclamation	M3	1875		
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**Updated:**

B1	32 91 19	Import topsoil for reclamation	M3	<b>2100</b>		
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**Previous:**

E 1	26 05 34	100mm conduit	LM	5500		
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**Updated:**

E 1	26 05 34	100mm conduit	LM	<b>5550</b>		
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**Previous:**

E 2	26 05 34	50mm conduit	LM	1900		
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**Updated:**

E 2	26 05 34	50mm conduit	LM	<b>1950</b>		
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**Previous:**

E 3	26 05 00	Pull box Fortis	LM	3		
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**Updated:**

E 3	26 05 00	Pull box Fortis	LM	<b>4</b>		
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**Bidders are instructed to make this change accordingly. If this is missed in the bidders bid, Canada will make this change on behalf of the bidder and use the unit price provided to obtain the correct total extended price.**

### C) QUESTIONS AND ANSWERS

Q1. Will we require flagging at the site entrance if the extent of construction traffic is just gravel delivery? I assume large RV's enter and egress this site during camping season without flagging and they are similar in size.

- a. Section 01 35 31 – 1.6.2 – This states we need flag persons whenever entering or egressing the site.
- b. Will we be required to have a flagger posted at the site entrance if only 4-5 trucks are entering and egressing daily?

A1. The contractor will be responsible for maintaining access and safe operation of all spaces open to public use when those areas are also used by any construction vehicles or construction activities. This including the main access road to the campground and kiosk area. Depending on traffic, the contractor may wish to provide additional traffic control measures to meet this requirement or prevent delays to through traffic.

Q2. Asphalt removal material is to remain property of Parks, there is no indication of where the Department representative will have this material stockpiled, can a distance to stockpile be provided?

A2: Contrary to Section 02 41 13 Clause 3.4.2 and all similar sections, removed asphalt material shall become the property of the Contractor who will be responsible for removing it from the Park to a suitable disposal location. Removal from the Park is to be incidental under item B2.

Q3. Section 31 232 33.01 – item 3.3.7 states “Dispose of surplus and unsuitable material at a waste site designed by Departmental Representative of a site located by contractor and approved by Departmental Representative.”

- a. Please clarify if the trench spoil will be staying in the park or being disposed of outside the park?

A3: Contrary to Section 31 23 33.01 Clause 3.3.8 and all other similar references relating to the disposal or stockpiling of any material at Mannix Pit, the Contractor shall dispose of all waste, surplus, and unsuitable material (including trench spoil) outside of the Park at a site provided by themselves at their cost. Doing so is incidental to the Contract.

The Contractor may submit a request to the Departmental Representative that surplus material which is completely free of contaminants and any waste products be stockpiled at Mannix Pit in Banff National Park. Approval may be withheld for any reason and in that event, there shall be no additional compensation to the Contractor.

Q4. Details on drawing C-301 show excavation beyond the bottom of road structure for entire road widths, including outside trench areas.

- a. Are we over excavating beyond the existing road structure?
  - i. If so, what is the minimum depth of over excavation anticipated?
  - ii. Will we have to import fill back up to underside of road structure?
- b. Detail B C-301 shows the pipe excavation including the ex. Sanitary main and the area looks to be backfilled with import.
  - i. Will this be required?

A4: Yes, minimum is expected to be 150mm, but it may be higher in certain locations. Yes, fill will need

to be imported for backfill.

Whatever is required to both install new utilities and remove the existing sanitary main will be required. In the roadway, it is classified as Class I backfill as per the specifications.

Q5. Section 01 45 00 – Quality Control – Item 1.5.4

a. Please confirm we will indeed require a quality control manager onsite for the duration of the project and they are to dedicate 100% of their time to quality control, meaning they can't perform construction activities?

A5: Among other things, as per Section 01 14 00 Clause 1.10.3.5 the Quality Control Representative/Manager shall be responsible for the Quality Management Plan development and execution.

Contrary to Section 01 45 00 Clause 1.5.4 the Quality Control Manager may undertake other tasks provided their quality management related responsibilities continue to be completed to the satisfaction of the Departmental Representative.

Q6. The contractor is to provide a site office for the Department Representative; does this office need to be separate from our construction office?

A6. The Department Representative's office can be in a shared trailer but must be an independent unshared room and allow for separate access to be controlled by the Department Representative.

Q7. Pay Item A4 – All other Work Not Included in Unit Price Table = 1 LS

a. If used, will this pay item be paid in full and paid as a percentage of the construction progress on a monthly basis?

A7. Upon contract award, the contractor will be required to provide a breakdown of items included under this item to the satisfaction of the Department Representative. Payment will be approved based on actual completion of those items.

Q8. There is a discrepancy between Section 01 14 00 – Work Restrictions and Section 31 24 13 – Roadway and Drainage Excavation. The prior states native soils to be disposed of at Mannix Pit in the park while the latter states they are to be disposed of offsite. The same goes for removal of granular road materials. One states they are to be removed to within 15km in the park while the latter states disposal outside the park. Please clarify.

A8. Refer to Tender Response A3.

As per Section 01 14 00 Clause 1.11.4 all waste granulars (excluding those containing asphalt) are to be stockpiled inside the Park within 15 kms of the site at a specific location to be identified by the Departmental Representative.

Q9. Please clarify the location of Peyta Pit.

A9. Peyto Pit is located approximately 2 kms east of the campground's main entrance.

Q10. Please confirm areas of roadway being repaired will require the top 150mm to be scarified and compacted to 100% SPD and that this is incidental to the roadworks.

A10. As per section 31 24 13 Clause 1.4.4 and Clause 3.4.9. Subgrade preparation as noted is incidental to the works.

Q11. Please confirm removal and replacement of unsuitable subgrade will be paid under the Prime Cost Sum pay item.

A11. As per Section 31 24 13 Clause 1.4.5 the removal and replacement of unsuitable sub grade material will be included under the Prime Cost Sum. Although noted under roadway excavations, this principle will also apply for trench bottoms and other sub grade items.

No payment will be made for the removal or replacement of unsuitable sub grade material unless there has been prior approval from the Departmental Representative.

Q12. Will topsoil in Item B1 be used for pay item B15 planting and seeding or are we expected to provide additional topsoil incidental to item B15?

A12. Additional topsoil required as a result of increased disturbance is to be incidental to item B15. Additional topsoil above what is required to restore all disturbed areas, which is imported at Parks Canada's request shall be paid out under item B1.

Q13. Is hydroseed acceptable instead of mechanical seeding?

A13. Hydroseeding is not an acceptable alternative to mechanical seeding.

Q14. Are the water hydrants to be epoxy coated?

A14. Hydrants are to be coated to City of Calgary specifications. The exterior of the hydrant, to 300mm below grade will be coated with a Type C Coating, which is a liquid epoxy base with a finish coating of liquid alkyd enamel or liquid modified polyurethane copolymer. The exterior of the remainder of the hydrant will be with a Type B coating which is a liquid epoxy.

Q15. For the crack sealing, is hot or cold applied preferred?

A15. Hot pour crack sealing in accordance with Alberta Transportation Specification 3.31 and Section 32 01 11 of the specifications is required.

Q16. Bid Item B.4. Where is this 4,500m<sup>3</sup> of material generated from?

A16. This is excess trench material beneath the road base as part of utility installation which is not topsoil.

Q 17. On print E-102 the transformer in the middle of the print that is beside a Telus PB, Com PB, and a Meter stack, has a 100mm conduit going to washroom building C. Is the 3c feeding that washroom a 3c #4/0 or is it a 3c #400MCM?

A 17. The 3c cable noted above supplying Washroom C from the transformer is to be corrected to be 3c#4/0 rather than 3c#4/0MCM as it currently shows. The IFC drawings will be corrected to show

this change.

Q 18. I would like to know what the Utility company is responsible for? Is the Utility company responsible for removing the overhead lines, completely removing the power poles, and cut and haul power pole. Or is this all looked after by the Electrical contractor? Is the removal of the Telus booths done by the Electrical contractor or by others

A18. Fortis will only be responsible for:

- De-energization of electrical system
- Removal of existing transformers and meters
- Any existing electrical system abandonments/removals required within the high voltage primary electrical lines right of way
- Installation of new primary cables within newly installed conduits by contractor
- Installation of new transformers (excluding base and grounding grid) and meters

The contractor shall assume responsibility for all other work not identified above, including all removals/abandonments. Removed cable to returned to Fortis for salvage.

Telus will only be responsible for:

- Installation of new phone line cables within conduits installed by contractor

The contractor shall assume responsibility for all other work not identified above, including all removals/abandonments. Of additional not, the fibre optic system identified on site is the property of Parks Canada and all work associated with that system is to be completed by the contractor as part of the project.

Q19. They would like to know if ATCO will be involved in this project in terms of moving utilities.

A 19. Atco is not involved in this project as all gas lines on site belong to Parks Canada. The contractor is responsible for completing all work on the gas system as identified in the design package.

Q20. For water tie-in to washrooms I see the notes on the drawings say connection to be made 0.5m outside of building; what is expected for the water tie-in at the lift station (and possible the front kiosk) where the existing water service is on the opposite side of the building?

A20. The anticipated tie-in points for the lift station and kiosk building are shown on drawing C-112. As per section 33 14 16 - 1.2.4, a water service hydro-vac confirmation of the alignments and inverts at the washroom and kiosk structures will be completed by the contractor to confirm tie in location and possible conflicts. The contractor shall also verify the alignment and inverts of the water service entering into the lift station building.

For the lift station building, the contractor may tie into the existing water service line anywhere between outside 3 meters south of the proposed fire hydrant and 0.5m of the shown proposed tie-in location with the building.

For the kiosk building, the contractor shall bring a new water service into the mechanical room of the kiosk building. Upon investigation of feasibility, Parks Canada may approve the contractor to install the waterline into the kiosk building from the east side of the building if it will not have a negative impact on the building.

Q21. Does asphalt need to be milled or can it be removed with conventional equipment

A21: Asphalt can be removed by any method (milling or conventional equipment), a clean joint line will need to be provided with a saw cut were removals end.

- Q22. 02 41 13 – 3.4.2 makes reference to property of Parks Canada. If so, then where is it to be disposed of?
- A22: Contrary to Section 02 41 13 Clause 3.4.2 and all similar sections, removed asphalt material shall become the property of the Contractor who will be responsible for removing it from the Park to a suitable disposal location. Removal from the Park and disposal is to be incidental under item B2.
- Q23. Is all clearing, grubbing, and tree removal (if required) paid under the PC Sum?
- A23: As per section 31 11 00 Clearing and Grubbing is incidental to the work and not measured for payment separately.
- Q24. Question regarding Bid Item B7, B8 references to 150mm GBC, 300mm GBC, etc.  
Are these structures 100% 25mm crush or is there a 75mm crush component to them?
- A24: Use AT Designation 2 Class 20mm Base Course Aggregate for the full structure as per section 32 11 24.
- Q25. On print E-101 washroom building K does not have a meter assigned to it. Is every washroom building supposed to have its own designated meter?
- A25: Dwg E101 shows a transformer and feeder conduit to washroom K (all washroom buildings show one. Dwg E301 shows a meter for each washroom building in the Single Line Diagram.
- Q 26. The 94 meter of insulated sanitary pipe (completed with drainage membrane), should this cost be included in Bid Item D1 Sanitary Main 200mm PVC Pipe?
- A26. Yes "insulation where shown on the drawings" should be covered in the cost of the 200mm sanitary main item D1.
- Q27. When removing the potable water stations, there are two pads with locker buildings on them, the building are to remain?  
There are also a couple that have food lockers free standing on the concrete pad, these lockers are to be removed with the concrete pads?
- A27. Food storage buildings located on a shared concrete pad (where pad is to be removed) are to be demolished and all waste removed from the Park as part of the work. Food storage lockers on shared concrete pads (where the pad is to be removed) are to be salvaged and provided to Parks Canada in a state suitable for reuse, in order to allow for the removal of the underlying concrete pad.
- Q28. . Please clarify the following pipe sizes for the Gas Service as the sizes indicated in the schedule aren't standard sizes;  
a. F1 - 50mm is 2" 60mm  
b. F4 - 32mm is 1 1/4" 48mm  
c. F2 -25mm is 3/4" 26mm PE
- A28. 50, 32, 25 mm are the inside nominal pipe diameters.

- Q29. Re: gas system Will item F3 to F5 require valve boxes?
- A29. Yes, a valve box will be needed for each valve size indicated. Valve boxes are to be as shown on page C-302 of the drawings.
- Q30. Re. gas system. Will a bonding cable be required for the steel services that are being transferred onto the new PE main or are mag anodes required?
- A30. Cathodic protection shall be provided on all steel services.
- Q31. Re. gas system. What type of valves are required for the service risers ie - lock wing Jomars
- A31. Drawing c-302 typical gas riser assembly calls for a Lub-o-seal meter valve.
- Q32. What is the fusing certification requirement?
- a. Fortis BC Gas
  - b. Alta Gas
  - c. Atco Gas
  - d. McElroy
- A32. Atco Gas Certification is preferred but not required. All gas installations are to be completed according to CAN/CSA-B149.1-10 Natural Gas and Propane Installation Code.
- Q33. Re. electrical pole bases What diameter and length is required for the anchor bolts on the concrete pedestals and what height must they protrude above the top of the concrete pedestals?
- A33. Light post anchor bolts are to be 4 - 25 x 1200 anchor bolts and extend 75 - 100mm above the top of concrete. The contractor shall confirm the proposed anchor bolt sizing and installation is suitable for the selected light pole as per manufacturer requirements.

**All other terms and conditions remain unchanged.**