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## REVISION 002 TO A INVITATION TO TENDER

## RÉVISION 001 INVITATION À SOUSSIONNER 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  
National Contracting Services  
Banff, AB

<b>Title - Sujet :</b> Tunnel Mountain Operations Shallow Utilities, Banff National Park	
<b>Solicitation No. - N° de l'invitation :</b> 5P421-21-0050/A	<b>Date :</b> January 28, 2022
<b>Amendment No. - N° de modification :</b> 002	
<b>Client Reference No. - N° de référence du client :</b>	
<b>GETS Reference No.   N° de référence de SEAG :</b> PW-21-00976647	

<b>Solicitation Closes - L'invitation prend fin :</b> <b>At - à :</b> 2:00 PM <b>On - le :</b> February 10, 2022	<b>Time Zone - Fuseau horaire</b> MST
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<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> Rose Marino		
<b>Telephone No. - N° de telephone :</b> 403-760-1319	<b>Fax No. -N° de télécopieur :</b> (866) 246-6893	<b>Email Address – Courriel :</b> soumissionsami-bidsrpc@pc.gc.ca
<b>Destination of Goods, Services, and Construction - Destination des biens, services, et construction :</b> See Herein		

### TO BE COMPLETED BY THE BIDDER - À REMPLIR PAR LE SOUSSIONNAIRE

<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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Amd. No. - N° de la modif. :  
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Contracting Authority - Autorité contractante :  
Rose Marino

Client Ref. No. - N° de réf. du client :

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## Amendment 002

This amendment is raised to:

- A) To extend the solicitation closing date.
- B) Specification Modifications
- C) Questions and Answers

### A. Solicitation Closing Date

The closing date for tender 5P421-21-0050/A is extended from February 2, 2022 to February 10, 2022

### B. Specification Modifications

#### 01 11 00 Summary of Work, Section 1.8 Work Sequence

*Remove:*

All text under Section 1.8 Work Sequence

*Replace with:*

- .1 Work will be permitted to start by March 1, 2022 and once all necessary submittals have been approved by Parks Canada.
- .2 Project completion milestones are as follows:
  - .1 To complete by 31 March, 2022:
    - Regrading of area north of Garage B per Appendix B
    - Entire gas system scope, including demolition, gas line installations and commissioning.
    - Select electrical system supporting scope, including:
      - Installation of temporary services.
      - All trenching and underground conduit installations, including backfill, between new transformer base/CDP base and existing overhead Fortis lines/east street light base.
      - Conduit terminations into junction boxes on all garage buildings and Staff House 3/4.
      - CDP and Fortis transformer bases, including concrete bases, grounding and protective bollards, backfill.
      - All contract electrical demolition items.
    - Select communication system scope, including:
      - Coordination with Telus for temporary services installation.
      - Installation of communication conduits, including backfill, between Telus pedestal near Fortis overhead line and CDP area communication JB.
      - Demolition of existing Telus services on site.
    - Restoration of all affected roadway areas with salvaged gravel material to reinstate normal vehicle access to all four garage buildings is to be completed on an ongoing basis as trenching is completed in each specific area.
  - .2 To be complete by 22 April, 2022:
    - All remaining electrical system supporting scope not already completed, including:
      - All trenching and underground conduit installations, including backfill.
      - Conduit terminations into junction boxes on all buildings, wooden posts, underground JBs, etc.
      - Streetlight bases and pole installations.

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- Vehicle plugin wooden post and rails.
  - Entire communication system scope, including:
    - Parks Canada owned Fibre Optic Network modifications scope, including commissioning.
    - Parks Canada owned network between Offices 1 & 2.
    - New permanent Telus service installation pending Telus availability.
    - Coordinate with Telus removal of temporary Telus service line after new permanent Telus line is in service.
  - Restoration of all affected roadway areas with salvaged gravel material to reinstate normal vehicle access is to be completed on an ongoing basis as trenching is completed in each specific area.
- .3 To be complete by 19 May, 2022:
- All remaining scope, including but not limited to:
    - Subcut and remove placed salvage gravel road base materials and replace with new gravel material (to be completed after frost is out of ground).
    - Final touch-ups of gravel roadways not trenched to restore to pre-construction conditions or better (to be completed once frost is out of ground).
    - Restoration of all affected vegetated areas with the exception of areas not yet backfilled or still requiring installations or abandonments. (Salvaged topsoil to be placed unfrozen and on unfrozen ground).
  - Redline drawings and survey data provided to Departmental Representative.
  - Complete de-mobilization from site.

#### **01 14 00 Work Restrictions, Section 1.7 Special Requirements**

*Remove:*

- .11 No more than 30 metres of open trench may be left of at the end of the working day.

*Replace with:*

- .11 No more than 50 meters of trench may be left open at the end of each working day when the contractor will be working the next day. No more than 30 meters of trench may be left open at the end of each working day when the contractor will not be working the next day.

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## **C. Questions and Answers**

**Q1:** January 13/2022 closing date is very tight on a deadline as reaching out to suppliers many are on Vacation until early January. Given the time this tender has come out so late in the year with the cold weather and holidays, we would formally request an extension of 1 Week to January 20<sup>th</sup>.

**A1:** Tender closing date has been extended to allow bidders sufficient time to prepare their bid submittals.

**Q2:** Referencing Section 01 35 43 Work Restrictions, section 1.7.11 States “No more than 30 meters of open trench may be left of at the end of the working day.” If trenching is adeptly protected, or doesn't interfere with Pedestrian traffic, would it be acceptable to leave open more than 30m of trenching as to not delay production? We understand the campground is closed (off-season).

**A2:** The intent of this requirement is to ensure the contractor is regularly backfilling trenched areas to mitigate against weather risks. That being said, Section 01 14 00 Work Restrictions has been amended to allow for up to 50m of trench to be left open at the end of each working day, with no more than 30m still permitted to be left open over non-working days. It's also worth noting the contractor may have more than 50m (or 30m) of trench open at any given time when work is actively taking place, but backfilling must occur prior to end of day to meet the specification requirements. The campground is operational year round.

**Q3:** Is survey required for the alignment or is it field fit? Is as-built survey required? If so, is this to be provided by the contractor?

**A3:** Survey is not required to layout the new utility alignments. The contractor shall install offset stakes at all utility bends/junction points based on the drawings, and have alignments approved by Parks Canada prior to beginning work. As-built survey of actual utilities installs is not required. The contractor is however required to provide as-built survey of offset stakes or other fixed reference points with redline drawings of utility offsets so that Parks Canada can produce accurate as-built drawings.

**Q4:** Is the trench line flexible? Can we move it to dodge trees etc.

**A4:** In general, Parks Canada will encourage minor alignment changes to mitigate damage to trees, including to tree roots. Any changes to trench alignment will require writing approval from Parks Canada's Departmental Representative.

**Q5:** Due to multiple alignments being within the dripline of trees, how much of the alignment is expected to be hand-dug/hydrovac to avoid damage to trees?

**A5:** Alignments near trees will be field fit with Parks Canada to minimize the extent of excavations within the dripline of trees. The contractor may be permitted to use standard excavation equipment within tree dripline areas only if they can demonstrate to Parks Canada that they are able to excavate in a manner that will preserve the integrity of encountered tree roots greater than 50mm in diameter. This may require some hand digging when roots are encountered. Parks Canada does not require the contractor to hydro-vac those areas.

**Q6:** Is direction drilling an option for any of the sections?

**A6:** Directional drilling is only permitted for the theatre service lines located within the vegetated area west of the gravel parking areas. The contractor would still be required to ensure proper separation between conduits according to the drawings and to supply any additional materials required to complete this installation. All other areas must be trenched to ensure sufficient conduit separation.

**Q7:** What size is the current gas service? What is the pressure of the gas line?

**A7:** Existing gas services on site are ¾". Pressure in the distribution system is approximately 15 psi.

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**Q8:** Power service- What size is the current service? Is it possible to run off more than 2 outlets? And have more than 2 pieces of equipment plugged in at one time?

**A8:** The overhead electrical service supplying the entire site is a 2 pole 100 Amp service. Due to the limited capacity of the service, the contractor will not be permitted to utilize more than two 15 Amp outlets.

**Q9:** If the power service is not large enough to run the required heating equipment or additional outlets can't be provided, we will need run large generators for the heating equipment. Will running generators and heating equipment overnight be allowed?

**A9:** The contractor will be permitted to run generators and heating equipment as required to complete the project, given they are appropriately located to maintain good air quality inside of all buildings. Costs to run such equipment is incidental to the contract.

**Q10:** When is the expected award date? This is critical for target completion date.

**A10:** The bid evaluation is expected to be completed within three business days following tender closing, at which time Parks Canada will notify the successful contractor and request any additional documentation. The contract is expected to be awarded within three business days of the successful contractor submitting all necessary documentation to Parks Canada's satisfaction.

**Q11:** Can exceptions be made for leaving larger than 30m of trench open? With our experience with heating and hording, it may be beneficial in certain situation to have a larger amount of trench complete at one time.

**A11:** See A2.

**Q12:** Please confirm compaction requirements. Most of the documentations states 95% & 98% proctor but the drawing details indicates 100% proctor. 100% proctor in winter conditions would be very challenging.

**A12:** Compaction requirements are as follows:

- 95% under vegetated areas unless within building foundation impact zone,
- 98% under all gravel roadways unless within building foundation impact zone,
- 100% within building foundation impact zones. This includes up minimum 2m away from building foundations where excavations extend beneath the concrete foundation (shallow footings and slab foundations).

**Q13:** Where is excess spoil to be disposed of? Does parks have a location on site, or will it need to be hauled and disposed of at a landfill? Will soil testing be required for disposal?

**A13:** All excess soil is to be disposed of at a suitable facility outside of Banff National Park. The contractor is responsible for securing a disposal location and determining/obtaining all necessary soil testing to permit disposal at the chosen facility. Disposal of excess materials is incidental to the contract.

**Q14:** Is the gas tie-in to be completed with this scope? There is conflicting information in the documents if we are to be commissioning the gas line with this scope.

**A14:** All gas line tie-ins and commissioning is within scope for this contract.

**Q15:** Can the existing elevation be provided for the grading area? Is disposal of the excess material to be included?

**A15:** Existing ground elevation is not available for the regrading area. Contractors are encouraged to visit the site to estimate the volume of material to be removed. Disposal of excess material is incidental to the contract.

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**Q16:** Please clarify that all bends require concrete?

**A16:** Fortis (primary conductor) conduit bends are to be encased in concrete. All other conduit bends do not require concrete encasing.

**Q17:** Are duct spacers required for separation between conduits?

**A17:** Duct spacers are not required between conduits. The contractor will however be required to have all installations inspected by the Departmental Representative prior to covering with sand to ensure all conduit and gas line separations are according to the drawings.

**Q18:** What is the water line drain pit? Can more detail be provided? Dimensions, depth, width, height? Pictures?

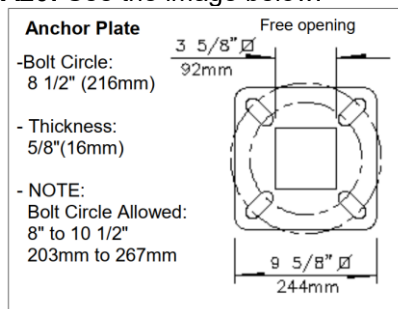
**A18:** The water line drain pit is a creosote wooden box which is to be removed as part of the scope. The wooden box is approximately 0.9m wide x 0.6m long x 0.75m deep, installed flush with the surface. Scope includes removing all wood, cutting and removing the HDPE waterline and associated valves, and backfilling with salvaged material from site. All demolition material is to be disposed of at suitable disposal facility.

**Q19:** Can you confirm if the budget for this project is 250k? will the project be cancelled if all the submissions are significantly higher or is there potential that additional funds that can be allocated?

**A19:** The Government of Canada does not publish the project budget for contracts being tendered and contractors should not infer project budget based on the contents of the Buy and Sell posting. Parks Canada reserves the right not to award contracts for which the tender price is more than 15% above the pre-tender estimate.

**Q20:** Do you have shop drawing of light pole you are providing? Specifically looking for confirmation on BCD (bolt center diameter) of pole.

**A20:** See the image below.



**Q21:** What happens if existing fiber being pulled back gets damaged? Are they able to resplice in new junction box OR do they need to re-pull all new fiber back to original location U/G pull box west of Village 2 (need distance)?

**A21:** Existing fibre optic conduit and cable was installed in 2016 and 2017, with all fibre optic cable installed in micro-duct pulled through the 50mm conduit. With reasonable effort, the contractor should have no trouble removing fibre optic cable without damaging the cable. If the fibre optic cable is damaged by the contractor, the contractor must replace the fibre optic cable back to the existing splice box in the southeast corner of Village 2 campground, approximately 175m south of Offices 1 & 2. Splicing of damaged cable is not permitted.

**Q22:** Office #1 and Garage D should be a new install of fiber same hesitation on damaging wire when trying to pull back wire

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**A22:** The contractor may opt to fully replace the existing fibre optic cable at their discretion with a cable equivalent or better to the existing cable. The existing fibre optic cable to Garage D is also installed in micro-duct and should easily be able to be removed without damaging the line.

**Q23:** You talked about 2 phases when does Phase 2 come out?

**A23:** Parks Canada currently has no timeline for completing Phase 2. A decision on how to proceed with Phase 2 is dependent on numerous variables, including the successful completion of Phase 1.

**Q24:** Re: Fibre optic cable materials. Where are the materials coming from for this project? Is the assumption being made that the fiber contractor will just have the materials?

**A24:** If the contractor damages the existing fibre optic cable and/or micro-ducts, they will be responsible for supplying the replacement materials required to complete the scope. Parks Canada encourages all bidders to thoroughly review and understand the fibre optic network scope and discourages contractors from planning to complete the scope in a manner that damages the existing fibre optic cables.

**Q25:** Will the bid results be released following bid closing?

**A25:** Evaluation scores will not be publicly released. Bid amounts from the qualifying bids will be publically released.

**ALL OTHER TERMS & CONDITIONS REMAIN UNCHANGED**