



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS Á:

**Parks Canada Agency**  
**1300 - 635 8 Ave SW**  
**Calgary, AB T2P3M3**  
**Bid Fax: (403) 292-4475**

**AMENDMENT / MODIFICATION**

**003**

**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**  
**Suite 1300**  
**635 - 8 Ave SW**  
**Calgary, AB T2P3M3**

<b>Title-Sujet</b> Boundary Fence Waterton Lakes National Park		
<b>Solicitation No. - No. de l'invitation</b> 5P420-16-5201/A		<b>Date:</b> October 7, 2016
<b>GETS Reference No. - No de reference de SEAG</b> PW-16-00746895		<b>Amendment No. - N° de la modif.</b> 003
<b>Solicitation Closes:</b>		
<b>at - á</b> 02:00 PM	<b>on - le</b> October 13, 2016	<b>Time Zone - Fuseau horaire</b> MDT - HNR
<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 Inquiries to: - Adresser toute demande de renseignements à :</b>		
Jen Maheu		
<b>Telephone No. - No de téléphone</b>		<b>Fax No. - No de FAX:</b>
(403) 292-8502		(403) 292-4475
<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 03

This amendment is being raised to distribute questions and answers from the optional site visit held on September 14, 2016, distribute the answers to bidder questions submitted by email, make changes to the tender documents and provide video links.

### **BID CLOSING DATE**

The closing date for tender 5P420-16-5201/A, titled Boundary Fence – Waterton Lakes National Park, is extended from October 12, 2016 until October 13, 2016 at 2:00PM Mountain Daylight Time (MDT).

### **A) Site Visit Attendees**

Company Name	Representative's Name
	Terry Quinton
0917118 BC Ltd	Mohammad Hussain
Western Plains Geomatics	Dennis Regan
J. Mar Excavating Ltd	Jake Overeem
Wilco Contractors	Garett Brink
Earthwise	Joe Ripley
Wild West Fencing	Tim
Infinity Property Care	Tyler Wickersham
DH Fencing Ltd.	Marsha and Jonathan Wagner
Porter Tanner Assoc. Inc	Benson Porter
Everest Construction	
Westco Construction	Derek O'Connor
DC Fencing	Doug
Aecom	Kenn Leonhardt
Ellis Dom	Sam Elhay
	Bill
	Caleb
DH Fencing	Kevin Lyons

### **B) Site Visit Questions and Answers**

**Q1** There is a requirement in the contract for a registered Alberta Land Surveyor to conduct the survey. Since the survey will be conducted within a National Park does it have to be a registered National Land Surveyor?

**A1** A nationally registered or Alberta registered Land Surveyor will be acceptable.

**Q2** Are there sections of the fence the Parks would prefer get completed first?

**A2** No, however pay special attention to environmental wildlife timing windows in the BMP.

**Q3** The contract indicates that existing fence posts are to be removed that are not in sound condition. What are the post holes to be filled with?

**A3** Post holes created from post removal can be left as is or posts can be cut flush with the ground surface. No requirement to fill post holes.

**Q4** What determines/ classifies a sound post from and not sound post? Please clarify. Who is to determine this?

**A4** Based upon recent information that will be confirmed by the survey prior to beginning work, the existing fence may have to be moved 1m inwards into the Parks boundary. However, if the fence can remain along the existing line, Parks Canada & the Contractor will collaborate on site following tree clearing to set an agreed upon qualitative baseline for post soundness. Posts leaning greater than 10 degrees off vertical, evidence of post degradation from repeated stapling, broken off at the base and so forth shall be considered unsound and are to be removed.

**Q5** The contract documents state that the barb wire is to end on a post. Would a splice be accept instead?

**A5** Wires should end on brace posts as indicated in the contract drawings. One splice will be permitted between braces if required. A splicing detail will be provided to the successful bidder.

**Q6** Other Parks have specified that the bottom wire is smooth stranded wire, not barbed. Does the Park want this?

**A6** No, the smooth wire is often utilized for Pronghorn. As they are not typically found in this park, we are requesting barbed wire.

**Q7** If posts break off in ground upon removal, are they to be removed? Or can they be left in place?

**A7** Acceptable to leave in place if remaining post is flush with the ground.

**Q8** The contract documents indicated the wire to be installed on the post face directed towards the outside of the Park boundary. This would mean that there is only 1m width to run equipment along the clearing. Not enough room to drive vehicles for installation. Can the wire be attached to the inside face instead?

**A8** On the existing fence, the barb wire is located facing the outside of the Park. Parks require it to remain so.

**Q9** Are mitigation requirements, such as the use of bridge to cross streams or access matting for wet areas supplied by Parks, etc?

**A9** No, the contractor is to supply all mitigation requirements to conduct the work as part of the contract.

**Q10** What seed mix is requested by Parks to use?

**A10** See below for sample seed mixes based on the location of the disturbance requiring seeding. Please note that there may be some variability in the final seed mixes based on seasonal availability of native seed.

Seed Mix	Species	Species % by Seed Weight
<b>Open Fescue Grassland Mix</b>  Rate = 40 kg/ha	Foothills rough fescue ( <i>Festuca campestris</i> )	40
	Idaho fescue ( <i>Festuca idahoensis</i> )	20
	Parry Oatgrass ( <i>Danthonia parryi</i> )	15
	Bluebunch wheatgrass ( <i>Agropyron spicatum</i> )	15
	June grass ( <i>Koeleria macrantha</i> )	7
	Alkaline bluegrass ( <i>Poa juncifolia</i> )	3
<b>Aspen / Shrub Community Mix</b>  Rate = 40 kg/ha  <sup>1</sup> species for dry open stands	Smooth wild rye ( <i>Elymus glaucus</i> ) <sup>1</sup>	30
	Bluebunch wheatgrass ( <i>Agropyron spicatum</i> ) <sup>1</sup>	25
	Foothills rough fescue ( <i>Festuca campestris</i> ) <sup>1</sup>	20
	Idaho fescue ( <i>Festuca idahoensis</i> ) <sup>1</sup>	15
	Mountain Brome ( <i>Bromus carinatus</i> ) <sup>1&amp;2</sup>	15
	Marsh Reed Grass ( <i>Calamagrostis canadensis</i> ) <sup>2</sup>	40

<sup>2</sup> species for wet or closed stands	Tufted hair grass ( <i>Deschampsia caespitosa</i> ) <sup>2</sup>	45
Conifer Community Mix  Rate = 40 kg/ha	bluebunch wheatgrass ( <i>Pseudoroegneria spicata</i> )	40
	pine reedgrass ( <i>Calamagrostis rubescens</i> )	25
	Columbia brome ( <i>Bromus vulgaris</i> )	15
	Mountain brome ( <i>Bromus marginatus</i> )	15

**Q11** Will the Parks allow extensions to posts that require the Parks boundary sign posted? If so, what? Or do those posts have to 8'?

**A11** No extensions will be permitted. Parks require 8' length posts where boundary signs are to be installed, refer to contract documents.

**Q12** Can Parks please clarify the dust control mitigations?

**A12** Refer to Section 2.1.8 – Air Quality Mitigations in the Best Management Practices (BMP) document.

**Q13** Does anything need to be cleared outside of the 4m width boundary or 3m access roads? What if trees are leaning in?

**A13** No, if a tree hazard is encountered, contractor is to inform Parks who will decide to treat it as an extra or have park staff remove the tree.

**Q14** Are staple guns allowed to fix barbed wire to posts?

**A14** Yes, as long as the staples are installed accordingly to construction documents.

**Q15** When will the 10% holdback for the contract be released? Every year?

**A15** The holdback will be released once substantial completion is met, at approximately 95% completion of the project. For further details on holdbacks, refer to General Condition 5 – Terms of Payment >100K – Construction (R2850D).

**Q16** What color of metal t-posts does the Park require?

**A16** Standard brown or green colors are acceptable.

**Q17** What is the required depth of the t-posts in water?

**A17** Same as normal t-post depth as indicated in contract drawings.

**Q18** Will there be landowners who are against the project?

**A18** Preliminary consultation with neighboring landowners has already been conducted. All stake holders have indicated verbal approval and acceptance. Further consultation will be required if external site access routes are to be used.

**Q19** Please clarify the grubbing requirement.

**A19** Refer to section 31 11 00 Part 3 – Execution in the specifications.

**Q20** Can we use doweled posts?

**A20** No, it is understand doweled posts don't last as long as non-doweled posts. However tapered/pointed end is allowed.

**Q21** Is leveling sections of the fence line and access routes allowed?

**A21** No, as this is a National Park, the goal is to minimize environmental impact. Refer to contract drawings for mechanical vs walking/hand work access only.

**Q22** Can rocks jacks be built in areas ground is unsuitable to drive posts?

**A22** No, refer to contract documents for use of t-posts in unsuitable ground conditions.

**Q23** Is there an obligation to re-establish internal access routes? If so, what are there lengths?

**A23** Yes, refer to contract documents. Internal access routes must be brushed to a 3m width to ensure future access for Parks for maintenance. The four internal access routes that must be cleared are shown

with approximate brushing requirements on drawings E0001 (negligible brushing), E0004 (50m+375m light brushing) and E0005 (300m moderate brushing).

**Q24** Are existing posts on the Park Boundary?

**A24** We have recent information to believe that the existing fence is directly on the boundary line for the majority of the fence line. Which would mean the new fence would have to be brought into the Park 1m to allow the 1m outside brushing to be done within Park Canada's property. The survey done at the beginning of the work will confirm. Refer to Section 01 10 00, 2.8 Legal Survey & Construction Layout in the contract specifications.

**Q25** Is the contractor required to remove old fencing at contractor's expense? How many old wire bundles are left? Can we provide a unit price or cash allowance?

**A25** This contract item will be covered under section 01 21 00 - Prime Cost Sum. A price to conduct the work must be agreed upon by Parks before proceeding with the work,

**Q26** Can we get in with ATV's to look at areas? Can the boundary be ridden by horse?

**A26** No, ATV's are not allowed to review the fence prior to contract. Horses are allowed.

**Q27** When does rutting along the fence line become an environmental concern and enforced?

**A27** If there is rutting evident and the vegetation has been removed from the surface (i.e., bare soil exposed), the contractor is responsible for re-vegetating the site at the contractor's expense. Where rutting is occurring, Parks Canada will work with the contractor to develop site specific mitigations (e.g., matting, shoofly creation, timing, etc) to prevent further rutting and minimize disturbance.

**Q28** Can we fence in the summer if we're not clearing?

**A28** Yes, refer to BMP

**Q29** What happens if we cannot get the required fence depth due to rock?

**A29** Attempt fence posts along the line a feet or two on either side. If still rejected, attempt t-post. If continued problem in an area – contact Parks Canada project manager to determine options.

**Q30** How long since the fence line was last cleared?

**A30** At least 30 years except for a few isolated places.

**Q31** What do we do with the farmer's fence along the boundary line?

**A31** If other fence is present, it should only be running parallel with the Parks fence. Anywhere where a neighboring land owners fence comes in contact with the Park's fence, the connection should be re-established to keep cattle out.

**Q32** Do we fence just to the lake water line?

**A32** For lakes you would fence regularly to the low water line mark. For larger creeks and rivers, end fencing set back from the high water line, with detachable drift fencing extending to the low water line. Refer to Section 2.4 of the BMP for environmental mitigation measures when working in or within 30m of wetlands and/or watercourses.

### **C) Questions Submitted by E-mail**

**Q33** Could you please quantify the existing fence post that are in good shape and don't need to be removed as this will affect the price for the removal and disposal of existing fence scope .

**A33** Based upon recent information, the existing fence may be located on the boundary line directly. In which case the new fence will need to be brought inwards 1m so that 1m brushing can occur within the Park's boundary on the outside of the fence. Therefore, 100% of existing fence posts can assumed to be removed at this time. Survey will confirm upon completion.

**Q34** Could you please confirm the completion date of this project.

**A34** Final completion of the project is set for March 31<sup>st</sup>, 2019.

**Q35** Can you please clarify what is required for site security?

**A35** Refer to section 2.18 Construction Signage and Safety. Also please review the note on drawing C0001 in regards to cattle. Cattle must not enter the Park at any time during construction.

**Q36** What is the cost to use additional storage or work areas?

**A36** No additional cost, however all work must be contained within the construction footprint. Refer to Environmental Best Management Practise (BMP), section 2.1.3. If additional space is required, it must be approved prior to use by PCA. Any damage to the vegetation must be fully restored at contractor's expense.

**Q37** Are there any permits and/or licences required to be applied for this project?

**A37** Business license is required for any contractor/ sub-contractor doing work in the Park. This can be purchased at the administration building. The business license will include vehicle passes that must be with every vehicle coming into the Park.

**Q38** If we were to use the water from the park facilities , what would be the cost?

**A38** There would be no cost to use water for construction purposes from Park facilities. Depending on the required amount will determine where the contractor can draw from within the Park.

**Q39** Will there be any problems getting approvals from the department for the haul roads? Is there any specific route to use as a haul road?

**A39** Access routes from within the Park have been indicated on the project drawings. Refer to contract documents, these routes must be brushed. Not possible to get a rubber tired vehicle down these access points in most cases. Would highly recommend reviewing a few indicated on the drawings. Potential access routes to the boundary line from outside the Parks have been indicated on the project drawings. We have been provided preliminary approval from neighboring landowners for access to the boundary line. Special conditions in terms of type of vehicle access, timing restrictions and frequency will apply to these access points if the winning contractor chooses to use them. Refer to contract documents. Parks cannot guarantee the use of external access routes.

**Q40** Could you please provide little bit of specifics to what/where we are expected to provide for construction signage?

**A40** Refer to section 2.18 Construction Signage and Safety. It is expected that the work area is adequately signed and roped off in the areas that the public may be able to access the site. I would suggest adding to this – Specifically highway crossing/machinery parking and along the boundary where a trail is present (park line trail near Horseshoe Trail).

**Q41** Best management Practices/2.2.1.2 . Could you please elaborate on this requirement?

**A41** The site needs to be evaluated and that the best material with the least environmental impact must be chosen. Ex. Metal posts are to be used in wetlands instead of pressure treated posts.

**Q42** Are we required to do nest sweep if our construction activities are outside this window April 1 - August 31.

**A42** Refer to BMP section 2.1.4 – Vegetation clearing is not permitted within the migratory bird nesting period of April 1<sup>st</sup> to August 31<sup>st</sup>. Therefore, nest searches are not requirement of the project. However, if an active nest is found incidentally during construction at any time of the year, stop work and notify Parks immediately. Additional mitigation measures will be determined by Parks Canada.

**Q43** Are we allowed to mulch the cleared materials and spread it on site?

**A43** Refer to specification Section 31 11 00 Clearing and Grubbing – Part 3. Execution and the BMP section 2.3 Vegetation Brushing/Clearing.

**Q44** Will there be any need to import top Soil to the site ? The top soil source will be provided by Parks Canada? How far are these sources?

**A44** No, there will be no need for imported top soil to site for this project and import of topsoil is prohibited.

**Q45** There is a requirement in the spec for Marine Liability and Aviation Liability. Is it safe to assume none of the work will be done by air or boat?

**A45** Refer to construction drawings. Some work required for this project takes place in marine environments (ponds, rivers and small lakes). The contractor may choose to utilize aviation means to conduct some of the work in which case Liability insurance would be required.

**Q46** EllisDon would like to request an extension for the closing date

**A46** A new closing date for the tender will appear with this amendment.

**Q47** Is there any problems if we were to provide sanitary facilities within the site office area only or we have to provide multiple ones throughout the fencing line?

**A47** Sanitary facilities can be provided along the fencing line where mechanical access is assessable only.

**Q48** What are Parks Canada requirements for site office ? Do you require one?

**A48** No, Parks Canada does not require a site office. However, refer to Section 01 10 00 – 2.6 Documents Required in the construction specifications must be kept on the job site.

**Q49** During the pre-tender meeting , it was mentioned that an As built is not required . Under General Instruction Section 01 10 00 page 3 of 9 / 2.8.5 , it states that we have to provide as built. Could you please clarify.

**A49** An as built drawing set is required as part of the contract under section 01 10 00 – 2.8.5 Legal Survey & Construction Layout.

**Q50** What if our mobilization cost exceeded 10% . Do we get disqualified?

**A50** Yes

**Q51** In the pre-tender meeting , parks canada mentioned that they have spoken to the adjacent land owners who seemed to be receptive to the idea of granting us access through their properties . In the event of one or some of these land owners change his/their mind or start demanding a compensation for the use of his/their property , how parks canada will be dealing with this issue ? We had a very similar situation of previous project were one of the land owners demanded a compensation for the usage of the property. Please advise.

**A51** Refer to question and answer 39. Parks Canada cannot provide compensation for work done outside of the Park boundary.

**Q52** For the corner post , it asks for lag screws, can we use 6 inches spiral spikes instead ( as leg screws about 10% strip)

**A52** Yes, 6" spiral spikes are acceptable.

**Q53** For clearing and grubbing , how many linear meters are estimated as it looks like it could be 30% more than as measured in the horizontal meters ( plus that percentage is probably 2-3 times harder to do than normal clearing)

**A53** Section 32 31 13 1.2.3 of the contract specifications suggests an allowance of approximately 5% over the horizontal distance for fencing (and similarly clearing) over the full length of the project, based on available ground data. Slopes vary from as steep as 1:1 to being flat, thus the Contractor is responsible for performing their own checks of the topography and developing a suitable contingency in their bid price to account for sloped terrain

**Q54** Are all gates to be wire gates , meaning no metal or wood gates are to be used?

**A54** Correct, refer to contract drawings.

**Q55** Is the stipulation to only take out as much fence as you can replace going to be enforced year round (as it makes it impossible to clear the last 1 meter side unless we do it all by hand )

**A55** It is the responsibility of the contractor to ensure no cattle enter the Park. That being said, potential to consider other means to prevent this (ie, temporary portable fence, etc)

**Q56** Some of the competition at the meeting were suggesting to run a mulcher up the fence . Will this be allowed and if not what would be the penalty for doing it ? The attitude overheard was it is cheaper to say sorry than to get told no .Mulching an old fence line takes and obliterates both post and wire and surprisingly leaves almost no evidence if done by an experienced operator; but it will give several thousand dollar per kilometer advantage.

**A56** Deliberate non-compliance with environmental mitigations will result in a Stop Work Order and could lead to costly delays. Furthermore, individuals could be charged with "Failure to take reasonable measures to prevent degradation of the natural environment and danger to fauna" under the National Parks Act 32(1). The existing fence posts are treated and will not be allowed to be mulched on site. They must be removed and disposed of appropriately.

**Q57** I am just looking for some clarification on what specifically needs to be signed off by an Alberta Land Surveyor (ALS)? Would you be looking for a Construction Plan specifically drafted up for this project? Would having an ALS sign off on the construction drawings suffice or survey field notes suffice? Thank you for your time, I look forward to your response.

**A57** Survey must be done by a registered land surveyor as we are defining a legal boundary. As far as who prepares the drawings as long as they are stamped by the land surveyor they can be prepared by anyone he/she designates.

## **D) Specifications**

### **Section 01 10 00 General Instructions**

**Remove:** Item 2.10.3 Payment for mobilization and demobilization is lump sum, and not to exceed 10% of the contract value.

**Add:** Item 2.10.3 Payment for mobilization and demobilization is lump sum.

## **E) Video Links to Boundary Fence**

Waterton Lakes National Park: Boundary Fence, 49th parallel to Yarrow Canyon  
[https://youtu.be/\\_ebSFr0oJZs](https://youtu.be/_ebSFr0oJZs)

Waterton Lakes National Park: Boundary Fence, Yarrow Canyon to 49th parallel  
[https://youtu.be/\\_azjusBy6ZI](https://youtu.be/_azjusBy6ZI)

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