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Parks Canada Agency Bid Receiving Unit  
220 - 4 Avenue S.E., Suite 720  
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**REVISION 003 TO INVITATION  
TO TENDER**

**RÉVISION 003 À APPEL  
D'OFFRES**

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  
220 - 4 Avenue S.E., Suite 720  
Calgary, AB T2G 4X3

<b>Title - Sujet :</b> Akamina Parkway Rehabilitation – Waterton Lakes National Park	
<b>Solicitation No. - N° de l'invitation :</b> 5P420-19-0205/A	<b>Date :</b> August 28, 2019
<b>Amendment No. - N° de modification :</b> 003	
<b>Client Reference No. - N° de référence du client :</b> 1519	
<b>GETS Reference No.   N° de référence de SEAG :</b> PW-19-00883617	

<b>Solicitation Closes - L'invitation prend fin :</b> <b>At - à :</b> 2:00 PM <b>On - le :</b> September 4, 2019	<b>Time Zone - Fuseau horaire</b> MDT
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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> Jen Maheu		
<b>Telephone No. - N° de telephone :</b> (587) 432-8458	<b>Fax No. -N° de télécopieur :</b> (866) 246-6893	<b>Email Address – Courriel :</b> <a href="mailto:jennifer.maheu@canada.ca">jennifer.maheu@canada.ca</a>
<b>Destination of Goods, Services, and Construction - Destination des biens, services, et construction :</b> Prince Albert National Park		

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

<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>

**Solicitation No. - N° de l'invitation :**  
5P420-19-0205/A

**Amd. No. - N° de la modif. :**  
003

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### **Amendment 003**

This amendment is being raised to distribute information from the site visit and to answer to bidder questions.

#### **A) SITE VISIT ATTENDEES**

<b>Vendor</b>	<b>Representative's Name</b>
TBL Construction	Len Istace
Caber Logging Ltd	Kent Strandquist
793128 AB Ltd	Austin Linderman
Lazy R Ranetl	Jason Jack
Aecon	Kaleigh Oglestone
Vitae Environmental	Garrett Legrow
Deley Energy	Jode Deley
Chevallier Geo-Con	Grant Chevallier
Okanagan Aggregates	Ron Gilowski
McNally Contractors (2011) Ltd.	David Nevlald
McKnight Enterprises	Brian McKnight
Safe Roads	Scott Welsh
Central City Asphalt	Kirby Meyer
Kinsley Alberta Ltd	Tony Cianfarani
Transcendent Mining	Graham Hardrn
Transcendent Mining	John Derhousoff
NW Lands	Bill Yooys
Emil Anderson	Steve Wilson
Wide Open Slashing	Steve See
Emil Anderson	Collin Blonarowitz
Hilton Brothers	Robert Hilton
deGraaf Excavating	Eric Aleman
Metro Paving	Scott Mather
Rosco's Tree Service	Adam Ross
DH Highway Services	Johnathan Wagenaar
Bear Tracks Environmental Services	Mike Kelly
Brooks Asphalt	Byron Smith

Contact information for the attendees are available upon request and approval from the vendors.

Solicitation No. - N° de l'invitation :  
5P420-19-0205/A

Amd. No. - N° de la modif. :  
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## B) TENDER PACKAGE REVISIONS

### Specifications

**DELETE the following document in its entirety:** *Akamina Parkway Rehabilitation - 2019Specifications.pdf*

**REPLACE WITH:** DSP3\_19-0205.zip: *Akamina Parkway Rehabilitation\_2019Specs\_Amend003.pdf*

**CHANGES ARE SHOWN IN RED**

## C) QUESTIONS AND ANSWERS

**Q5** Traffic Control and Temporary Pavement Markings - Will this be applicable to this job as the project is closed to traffic?

**A5** This section is not entirely applicable though vehicle passage for the Owner, it's representatives and other Contractors must be accommodated.

**Q6** The bid sheet is structured in sections, could the sections be labelled so we know what they refer to?

**A6** Yes, bid items 1 to 18 are for Akamina Parkway, bid items 19 to 28 are for Cameron Lake Day Use Expansion and bid items 29 to 38 are for Little Prairie Parking expansion.

**Q7** How close to the grade of the existing Culverts will the remove and replace culverts be?

**A7** Generally the existing invert elevations will be closely matched however there will be some adjustments made during construction to facilitate improved drainage.

**Q8** Is there any onsite Parking Boulder source?

**A8** Yes, parking boulders may be sourced from rock destined for removal without special cutting or finishing.

**Q9** Can the Level course show as 20mm under the 50mm overlay be placed in a single operation with the 50mm overlay?

**A9** No, 20mm level course must be placed separately.

**Q10** Does the rebar on this project require galvanizing or coating of any kind?

**A10** No special treatment is required for rebar.

**Q11** Rip rap is listed as incidental to CSP but also has a bid item, please explain how this will be handled?

**A11** Rip rap is incidental to CSP installations. There are additional locations of rip rap required beyond the treatment for culvert ends.

**Q12** 33 42 13 1.3.14 Excavation for culverts to be paid under roadway embankment, then what is the channel excavation for?

**A12** Channel excavation is a bid item under the Road Embankment section and will be utilized for culvert work.

**Q13** What kind of bevel if any for the culverts?

**A13** Culverts are to be cut square without a bevel cut.

**Q14** The detail of culverts through roadways shows 50mm of asphalt and gravel, is this paid in the asphalt and gravel quantities?

**Solicitation No. - N° de l'invitation :**  
5P420-19-0205/A

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---

**A14** Yes. Refer to the specifications.

**Q15** Where are the item 36C debris racks located?

**A15** Locations are identified on the drawings.

**Q16** Is any kind of coating required on the debris racks – paint, galvanized or raw steel

**A16** Raw steel.

**Q17** The detail for debris racks appears in error with the culvert to top measure listed as 1.1d when it should be 0.1d

**A17** Correct, the dimension of space above the culvert should be 0.1d on DS11147-06-04.

**Q18** Can any of the debris from the scaling be used as rip rap?

**A18** Yes, provided it meets sizing requirements.

**Q19** Will pit run be acceptable for the Borrow Material?

**A19** Yes.

**Q20** How are we to grub all rocks 300-1500mm dia to a depth of 300mm deep in this terrain?

**A20** The means and methods of grubbing to 300 mm depth in trail head parking areas and drainage improvement areas remains with the Contractor.

**Q21** Since some areas get clearing and other areas get clearing and grubbing, can these be separated into separate bid items?

**A21** No, these won't be separate bid items.

**Q22** Specifications list burning as a possible way to dispose of timber is this a real possibility

**A22** See answer 50 below.

**Q23** What does linear ditch shaping and sideslope improvement entail? Could maximum volumes and areas per m be clarified.

**A23** Refer to the specifications. Volumes and areas will not be provided.

**Q24** Linear ditch shaping – some requires disposal of material and some does not, these should be separate bid items, will the disposal be paid as waste excavation

**A24** Refer to the specifications. No separate bid items will be provided.

**Q25** Is the intent to use class 1 rip rap for all culverts and no 1M rip rap

**A25** Reference drawings for culvert rip rap sizing.

**Q26** Could we get a site specific design for the check dams – the AT BMP referred to specifically states it is not a design and does not have width dimensions

**A26** No, the work will be done in conjunction with on site review requirements with the Department Representative. Applicably sized material from the rock scaling debris can be used in the check dams.

**Q27** Is the existing topsoil at 5+100 already screened?

**A27** No, the topsoil is not screened though screening of topsoil will not be required.

**Q28** There is a specification but no drawing for metal barrier gates for the culverts, will these be required for this project?

**A28** Metal barrier gates are not required, debris racks are required and details provided in plans.

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**Solicitation No. - N° de l'invitation :**  
5P420-19-0205/A

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**Client Ref. No. - N° de réf. du client :**  
1519

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---

**Q29** Is the archaeologist provided by the contractor or parks?

**A29** Refer to revised specifications. Section 01 35 43 Environmental Procedures 1.19.7, 3.2.1 and 31 11 00 Clearing and Grubbing item number 1.2.3

**Q30** How can the tree work proceed when the bird and bat window seem to encroach too far into this construction schedule?

**A30** Hazard tree removal work must be done in frozen ground or dry conditions which falls outside of wildlife timing restrictions. Bird and bat windows must be adhered to unless further mitigations are presented and deemed acceptable to PCA.

**Q31** Where is the nearest available water source for construction and dust control and what is the cost of this water?

**A31** Water is available at the PCA Operations compound on Highway 5 North of the townsite.

**Q32** It looks like 5 debris racks are required. Are they all the same dimension or do they vary based on the culvert diameter? Also, the drawing does not give much for dimension nor a finish for the racks (i.e. Hot dip galvanize, painted, etc.)

**A32** Refer to drawings between Sta. 2+490.5 and Sta. 4+176 for the locations various sizes, no finish is required.

**Q33** Can you provide a guardrail table similar to the sign and culvert table?

**A33** No; a separate table will not be produced. The locations are identified on the drawings.

**Q34** How does the guardrail supplier accurately quote the Nuguard 31 when slope determines length of post? Could Parks Canada use an estimated length of post?

**A34** A nominal post length of 7'6" (2.3m) will be utilized for a typical 2:1 slope condition. Post length may vary further based on terrain and as reviewed by the Department Representative.

**Q35** Regarding Item #38, I have looked thoroughly over the planting spec (Section 32 93 10) and am unable to find the size requirements of the shrubs and trees. Can you please advise on the size requirements for all shrubs and trees. I also want to get some clarification on the requirement for bare root stock.?

**A35** Refer to drawings. There is no requirement for bare root stock.

**Q36** Can you clarify which sections of the SoQ pertain to which area of the project? Multiple items on the SoQ for landscaping, asphalt removal, seeding, culverts, paving, etc. but no delineation or description as to separate areas being priced or why there are 2 pay items identical?

**A36** See answer 6 above.

**Q37** What are the limits of the slopes for typical roadway grade widening or typical roadway sideslope improvements? Will cross sections be available?

**A37** No further cross sections will be provided. Generally, after sufficient widening is achieved with 4:1 sideslope to the satisfaction of the department representative the toe of side slope will be tied in to match existing ground surface in the range of 5 m to 10m from roadway edge of pavement.

**Q38** Will sideslope chainages be provided in a table?

**A38** No; sideslope locations are provide on the plans.

**Q39** Is grubbing required for all timber and salvage areas?

**A39** No; Refer to Section 31 11 00 Clearing and Grubbing 3.4.6 and 3.4.7 for clarification.

**Q 40** Are the clearing areas measured from the road or including the road area?

**Solicitation No. - N° de l'invitation :**  
5P420-19-0205/A

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**Client Ref. No. - N° de réf. du client :**  
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Akamina Parkway Rehabilitation – Waterton Lakes National Park

---

**A 40** The clearing areas are measured by two dimensional (planar) survey to the limits of actual clearing limit established by cutting of timber or existing felled tree and do not include the road.

**Q41** Are all dead trees to be harvested within a 10 m setback from each side of road?

**A41.** No; an assessment is to be made per the specified BMP for Watershed-Scale Danger Tree Removal. Generally, if a tree has potential to fall on the road it will be cleared. All existing felled trees are to be cleared as well.

**Q42** Are printed bid packages available?

**A42** No, electronic documents are only available through the Government of Canada Buy and Sell website.

**Q43** Will erosion and sediment control be detailed?

**A43** No, the details of erosion and sediment control will remain with the Contractor as part of the environmental protection plan.

**Q44** How is common excavation distinguishable from ditch clean-out?

**A44** Excavated material from the Cleaning and Reshaping of Ditches is incidental to the work. Excavated material not associated with the cleaning and reshaping of Ditches will be paid for at the applicable item under the Road Embankment Description.

**Q45** Will mass haul-diagrams be provided?

**A45** No mass haul-diagrams will be provided.

**Q46** Will engineering services be provided?

**A46** No surveying services will be provided. Ref. Section 01 71 00 Examination and Preparation Item 1.5

**Q47** Does topsoil need to be screened?

**A47** No; topsoil does not require screening. Specifications revised.

**Q48** Is AT Mix Type S1 an allowable substitution in 20mm mill/inlay sections?

**A48** No; the AT Mix Type M1 is to be used as specified for all inlay sections.

**Q49** Could shoulder widening be performed for sections of guardrail installation?

**A49** The Departmental Representative can look at the possibility of widening select sections with suitable common excavation.

**Q50** The specifications say that burning of cleared material may be allowed, are there designated burning locations?

**A50** Under favourable burning condition, with an approved fire management plan and restricted activity permit burning of cleared timber and debris may occur at the following locations:

Sta. 5+100 Rt North of Pullout 11, noting excavation requires archeological monitoring here.

Sta. 6+650 Rt Crandell trail head parking area

Sta. 9+000 Rt Lineham trail head parking area

Sta. 10+300 Rt Rowe trail head parking area

Sta. 14+300 Lt Akamina trail head parking area

**Q51** Can chipped wood be left on the ground as an alternative to removal from the Park?

**A51** No; chipped material must be removed and disposed of.

**Q52** Clarification is required on archeological monitoring.

**A52** Refer to revised specifications. Section 01 35 43 Environmental Procedures 1.19.7, 3.2.1 and 31 11 00 Clearing and Grubbing item number 1.2.3

**Solicitation No. - N° de l'invitation :**  
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**Q52** Clarification is required on archeological monitoring.

**A52** Refer to revised specifications. Section 01 35 43 Environmental Procedures 1.19.7, 3.2.1 and 31 11 00 Clearing and Grubbing item number 1.2.3

**Q53** Are green trees to be cleared?

**A53** No; refer to Section 31 11 00 Clearing and Grubbing item number 3.2.3

**Q54** What is the differentiation between Channel and Common Excavation?

**A54** Channel Excavation is associated with culvert work.

**Q55** What is required of traffic control given that the road will be closed to public?

**A55** See answer 5 above.

**Q56** Can the new type 3 guardrail at Sta. 9+300+/- remain?

**A56** Yes, this guardrail is to remain.

**Q57** Is there a potential location for rock disposal within the Park?

**A57** Boulders greater than 250 mm diameter from the Akamina Parkway may be stockpiled within the Park at and an active site 1.1 km from the Red Rock Parkway intersection with Highway 5. The dumped rocks must be managed and kept organized. Separation of rock into various size classifications will be paid under Section 01 21 00 Allowances.

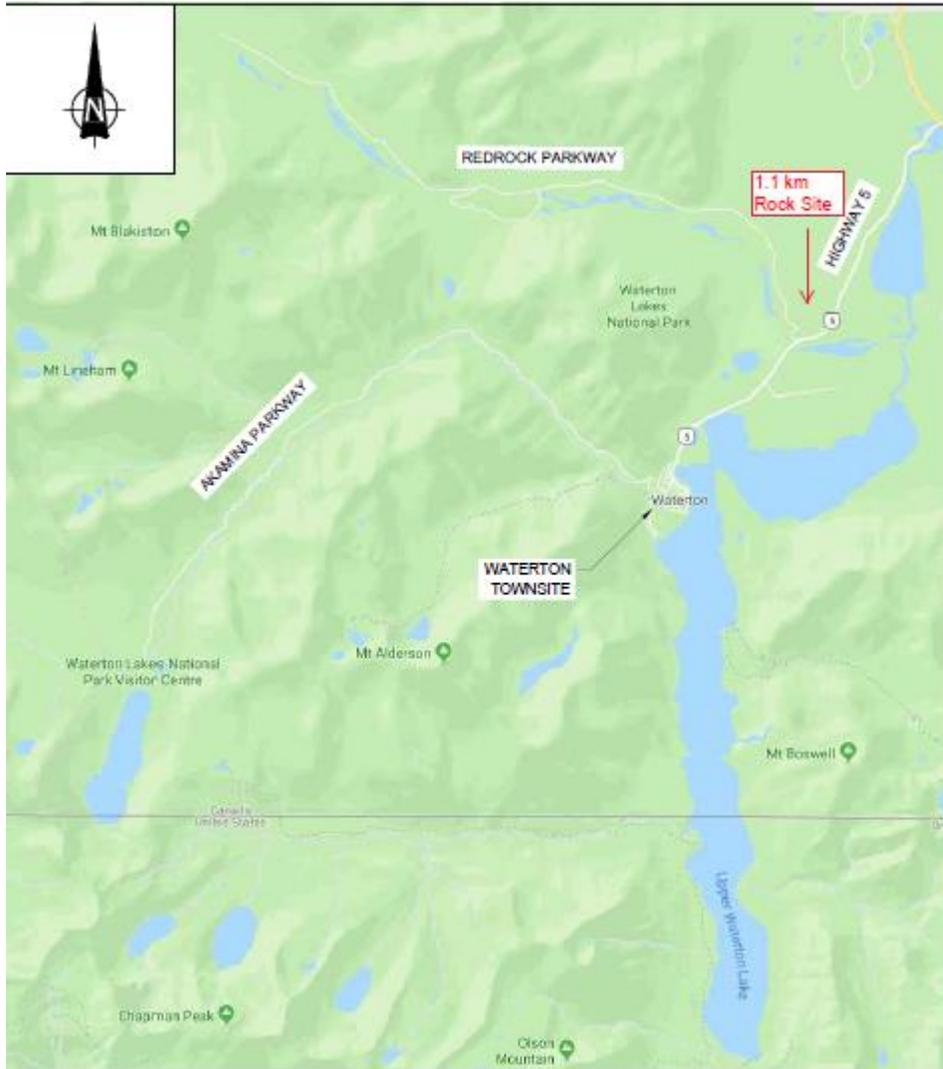
**Solicitation No. - N° de l'invitation :**  
5P420-19-0205/A

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**Client Ref. No. - N° de réf. du client :**  
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**Title – Titre :**  
Akamina Parkway Rehabilitation – Waterton Lakes National Park



**Q58** How long does it take to award this contract?

**A58** Generally award can be made within two days without complications.

**Q59** Can the parking boulders be taken from previously scaled rock slopes?

**A59** Yes, parking boulders may be sourced from rock destined for removal without special cutting or finishing.

**Q60** Will the road be snowplowed?

**A60** The road will not be snowplowed by PCA, for construction works. The road may be plowed by the Contractor until December 1st. Typically, the road is under avalanche protocol from December 1st until May 15th. The contractor must demobilize from site if at any time, the relevant area is declared to be at risk of being impacted by an avalanche. Although no guarantee is provided as to when this may occur, in the past access has been impacted after December 1st through until May 15th.

**Q61** Source of water for seeding and watering of plant material (approx. 15,000 gal)?

**A61** See question 31 above.

**Solicitation No. - N° de l'invitation :**  
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---

**Q62** Source of wood mulch for planting beds - is this provided by Parks and if so where is the location. If not what is deemed acceptable to import into the park?

**A62** Material to be supplied by the Contractor. Trembling aspen is Parks Canada's preferred species to create mulch, but any tree species is acceptable provided it comes from an accepted source.

**Q63** I only see the one drawing that identifies seeding and planting yet there are 3 bid items for seeding and 2 bid items for planting bed preparation and mulch. Total seed area from units is 4190m2 and my take off is half of that.

**A63** There may be some planting beds within the Akamina Day Use Area as directed by the Departmental Representative. Seeding areas will be paid for per square meter in areas determined by the Departmental Representative.

**ALL OTHER TERMS & CONDITIONS REMAIN UNCHANGED**