



# TENDER AMENDMENT

**RETURN BIDS TO:**

Parks Canada Agency  
635 – 8 Avenue S.W., Suite 1300  
Calgary, AB T2P 3M3  
Bid Fax: (403) 292-4475

The referenced document is hereby amended: unless otherwise indicated, all other terms and conditions of the contract remain the same.

**Issuing Office:**

Parks Canada Agency  
635 – 8 Avenue S.W., Suite 1300  
Calgary, AB T2P 3M3

# MODIFICATION D'APPEL D'OFFRES

**RETOURNER LES SOUMISSIONS À :**

Agence Parcs Canada  
635 – 8 Avenue S.O., pièce 1300,  
Calgary, AB T2P 3M3  
N° de télécopieur pour soumissions : (403) 292-4475

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

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635 – 8 Avenue S.O., pièce 1300  
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<b>Title:</b> Staff Housing Construction, Phase 2, Waterton Lakes National Park		
<b>Solicitation No.: / N° de l'invitation :</b> 5P420-16-5333/A	<b>Amendment No.: / N° de modification de l'invitation :</b> 003	<b>Date:</b> January 27, 2017  <b>Date :</b> 27 janvier 2017
<b>GETS Reference No.: / N° de référence de SEAG :</b> PW-17-00762497		
<b>Solicitation Closes: / L'invitation prend fin :</b>		
<b>At:</b> 02:00 PM	<b>On:</b> February 2, 2017	<b>Time Zone:</b> Mountain Standard Time (MST)
<b>À :</b> 14h00	<b>Le :</b> 2 février 2017	<b>Fuseau horaire :</b> Heure normale des Rocheuses (HNR)
<b>Address Inquiries to: / Adresser toute demande de renseignements à :</b> Nicole Levesque-Welch		
<b>Telephone No.: / N° de téléphone :</b> (403) 292-4691	<b>Fax No.: / N° de télécopieur :</b> (403) 292-4475	<b>Email Address: / Courriel :</b> <a href="mailto:nicole.levesque-welch@pc.gc.ca">nicole.levesque-welch@pc.gc.ca</a>
<b>TO BE COMPLETED BY THE BIDDER (type or print) À ÊTRE COMPLÉTER PAR LE SOUMISSIONNAIRE (taper ou écrire en caractères d'imprimerie)</b>		
<b>Vendor/Firm Name – Nom du fournisseur/de l'entrepreneur</b>		
<b>Address - Adresse</b>		
<b>Name of person authorized to sign on behalf of the Vendor/Firm Nom de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur</b>		
<b>Title - Titre</b>		
<b>Signature</b>		<b>Date</b>



## AMENDMENT 003

This amendment is being raised to respond to questions submitted during and after the optional site visit for solicitation 5P420-16-5333/A:

### A. QUESTIONS AND ANSWERS

Q3. Is there available space for material laydown?

A3. Lot 40 across the street is available provided the contractor removes topsoil to Parks topsoil stockpiles and replaces it when project completed. Sod must be separated from topsoil. Rocky subsoil must stay on site.

Q4. Who provides the building permit?

A4. Parks has obtained the building permit. The contractor will have to coordinate inspections.

Q5. Who coordinates the services disconnect/connect?

A5. The general contractor will coordinate with Fortis, Chief Mountain Gas, Telus and with Parks for water shut off and sewer connection.

Q6. What are work hours?

A6. 7am to 7pm, except 1pm to 7pm on Sundays.

Q7. Where does excavation material go?

A7. All topsoil is to have sod and soil separated and hauled to Parks topsoil stockpiles for reuse in the landscaping phase. Rock subsoil is not permitted in topsoil. All basement subsoil excavation is to be removed from Parks. Backfill material is to be suitable product from the excavation material.

Q8. Are the trees for removal already cut down?

A8. Yes the trees are cut down and branches removed. The in ground stumps and remaining firewood are to be removed from Parks.

Q9. Are all furnishings and appliances remaining in the bunkhouse?

A9. Yes

Q10. Is Bunkhouse unit 16 the only unit with asbestos containing flooring?

A10. It is the only unit that was found to have asbestos containing flooring.

Q11. Does the contractor have to provide an Environmental Protection Plan?

A11. Yes. Parks Canada can give some guidance for the requirement.

Q12. Does the Contractor have to supply a Health and Safety Plan?

A12. Yes, but only after contract award.

Q13. Does Parks have a disposal site for demolition material and construction materials?

A13. No

Q14. Are there other construction projects in Waterton during the project?



A14. There is road construction on the Akamina road from townsite to Cameron Lake starting in the spring. There is street work being done in the townsite in spring and fall. There is potential paving of the entrance road in the fall. Access to the construction site and townsite will be maintained throughout the project.

Q15. Does all equipment need to be inspected?

A15. All equipment with potential for soil contamination or oil leaking must be inspected and approved for entry to the Park. Parks Canada requires 48 hour notice for inspection. Spill kits must be on site to operate equipment.

Q16. Are all employees required to have a Parks orientation?

A16. Yes all persons working on the project will be required to attend a short orientation. The contractor is to advise Parks Canada of upcoming requirements 48 hours in advance

Q17. Where are the 25 replacement trees to be planted in the Park?

A17. There will be 28 trees planted in the town site. The locations are flat and accessible with rubber tire vehicles. Care must be taken to not damage surrounding turf or trees. The species requested must be used and may not be readily available at all suppliers. Please see attached location photos.

Q18. Can we have a sketch of the Post Office building layout?

A18. Please see DSP 2 – 16-5333 folder for a sketch with approximate dimensions.

Q19. Can Parks Canada leave power and water on for hazardous material abatement contractors?

A19. Yes.

Q20. What is the weather like at Waterton?

A20. Waterton can have extreme rain, and snow events. Waterton experiences extended periods of high wind. Parks will provide snow removal to the street adjacent to the project.

Q21. What site security is required?

A21. Security personnel will not be required on evenings and weekends if perimeter fencing is intact to deter unauthorised persons from easy entry.

Q22. What is the tentative start date?

A22. The tentative start date is April 3, 2017

Q23. When can the bunkhouse be demolished?

A23. Between October 15, 2017 and February 28, 2018 provided the contractor has demonstrated to Parks Canada that Phase Two can be completed by April 01, 2018.

Q24. Will the client consider a high efficiency boiler system?

A24. No

Q25. Should we operate on the assumption that there will be no potential bat encounters in the demolition of the Bunkhouse?

A25. Yes

Q26. What about guano? Anything special need to be done there?



- A26. The contractor is to take necessary precautions to protect workers from exposure as per commonly accepted guidelines. From an environmental perspective for the surrounding area impact is nil.
- Q27. Do you want a border between the rock mulch and grass, and is it possible to use mulch and tackifier?
- A27. Bid as per plan.
- Q28. Is fir an acceptable alternate for the cedar timbers?
- A28. No. Cedar requires less maintenance and a one-time application clear preservative wood treatment is required. Beams may be laminated from 100mm thick cedar provided the design build engineer includes for this in their stamped shop drawings.
- Q29. We have been advised that the solar reflective index (SRI) of 29 for the asphalt shingles is not available in the Canadian market. Can this requirement be relaxed?
- A29. Yes. Refer Addendum 01 issued by IBI, dated January 18, 2017.
- Q30. Is an engineering shoring plan acceptable in lieu of waiting for the basement floor and main floor to be complete before backfilling?
- A30. A signed and sealed shoring plan would be acceptable. The basement floor is required to be poured prior to backfilling
- Q31. Note PD8 on Page S012. Is the stair manufacturer required to supply an engineered stamped drawing?
- A31. A sealed drawing indicating stair details such as stringer depth, span, and connections is required.
- Q32. The concrete forming specs indicate grinding the concrete wall interior. Is the entire wall expected to be entirely smooth and flat or are some forming defects acceptable?
- A32. Exposed concrete walls in the basement including stair wells are expected to be smooth and free of any rough areas. Refer Addendum 01 issued by IBI, dated January 18, 2017.
- Q33. Will Parks Canada accept an alternate design that can still meet the requirements but can be constructed/completed in a very short time (as the current stick-built design)?
- A33. No. Parks Canada requests that the building be as per documents.
- Q34. Bike racks noted on the landscape DRWG details L201 – there is no make or manufacturer named. Please provide a preferred supplier / manufacturer acceptable to park standards. Please clarify.
- A34. Manufacturer and product brand are not specified as per PCA tender requirements. Refer Drawing L201 and Specification Section 32 37 00 Exterior Site Furnishings for these product requirements.
- Q35. Picnic Tables noted also on DRWG L 201 - there is no make or manufacturer named. Please provide a preferred supplier / manufacturer acceptable to park standards. Please clarify.
- A35. See response under Q34.
- Q36. Please let us know if it would be acceptable to use an alternate to the interior aluminum railing that would be made from steel and painted black. There are not many CWB certified welders in the area and interior aluminum railings would be quite expensive. We would still do the pre-fab aluminum railings on the exterior.
- A36. Provide pricing for aluminum railing for interiors as per tendered drawings and specifications.
- Q37. Is Steel stud framing and acceptable alternate to wood frame on all dropped drywall ceilings and bulkheads?



- A37. Any rated assemblies are to be built as detailed. Any unrated dropped ceilings or bulkheads not part of a listed assembly may be framed with metal stud framing as an alternate.
- Q38. There are several mentions of a WB25 Cont. Beam in the structural drawings. The beam schedule does not include WB25. Can we be provided with the size?
- A38. Refer Structural Addendum SA No. 001 issued by Entuitive on January 23, 2017 consisting of 7 pages.
- Q39. Can the PSL posts be substituted with comparable 2.0e LVL posts?
- A39. Provided members are single material (no built up posts) and axial resistance meets/exceeds that specified for Weyerhaeuser PSL posts as noted in E.13 on S001, substitution would be acceptable.
- Q40. Can we replace PSL beams with comparable LVL's as PSL's are not a stock item and require minimum order requirements?
- A40. Provided material meets bending and compression stresses noted for 2.0E PSL beams, this would be acceptable provided the following requirements are met:  
a. 2.2E PSL beams are not to be substituted. 2.0E LVL will be insufficient in deflection  
b. Shearwall chord beams may be substituted for LVL provided members are single material (no built up beams), dimensions to match those indicated on structural drawings.  
c. 178 wide beams (4 ply beams) are laminated as per floor suppliers recommendation as per note J.19.D on S002 to resist all applicable loading. It should be noted that difficulties in ensuring proper load transfer and shear for multi-ply members was encountered in design and it is Entuitive's recommendation that beams indicated as single width members remain as noted to ensure proper transfer of load.
- Q41. Is there any additional lay down area available besides the immediate construction site?
- A41. See PCA Addendum 03
- Q42. Is there a structural detail available for the mechanical penetrations through the load bearing corridor walls?
- A42. Refer Structural Addendum SA No. 001 issued by Entuitive on January 23, 2017 consisting of 7 pages.
- Q43. Can the aluminum railings be substituted for powder coats steel railings?
- A43. Provide pricing for aluminum interior and exterior railings as per tendered drawings and specifications.
- Q44. Survey Plan has already been completed by IBI. Will they complete all other requirements for surveying outside of the GC Contract or is the GC to carry for any Surveying?
- A44. The survey provided on A101 is a surveyed base only for reference. G.C. is responsible for all surveying required to complete the construction including as built markups on the site plan.
- Q45. The plans call for below grade walls to be waterproofed and the spec calls for damp proofing. Please clarify which one is to be priced.
- A45. Specifications will govern. This is typical for construction documents. Provide damp-proofing meeting CAN/CGSB-37.16 and CAN/CGSB-37.2 as per specifications.
- Q46. Ref drawing E200, Detail 1, Switch occupancy sensors, what type of sensing is required? Also, there is no specification on occupancy sensor performance requirements?
- A46. Provide Infrared line of site sensing. Performance requirements for occupancy sensors are Wattstopper or approved equal.
- Q47. Ref Drawing E301, Unit 23 plan is not shown.



A47. Unit 23 is reverse of unit 21.

Q48. Ref Drawing E301, General Notes:

i. Note 7, indicates dimmers, however, none are being requested on the floor plans for the units?

A48. Note is not applicable.

Q49. Ref Drawing E301, General Notes:

i. Note 9, indicates arch fault breakers for suite receptacles, and is reflected in the panel schedule.

1. Current code extends arch fault requirement to all non-dedicated receptacles within a residence. Do they wish to have this?

A49. Refer to electrical addendum No. E-02.

Q50. Ref drawing E400, Detail 1, feeds from the meter stack are noted as conduit. Can these be cable, ACWU?

A50. Conduit or Teck is acceptable.

Q51. Ref drawing E400, Detail 1, for the contactor for Panel P, what size is required?

A51. 100 amp.

Q52. Ref drawing E400, Detail 1, for the grounding, where would they like this located (refer to E600/3 as well for accessible location)?

A52. Exterior, next to electrical room, as permissible by code.

Q53. Ref drawing E400, Detail 3 and point schedule, I can't see any initiating devices in the basement storage, meter or mechanical rooms, which do not have sprinkler protection. Should they have FA devices?

A53. Refer to electrical addendum No. E-02 issued by MPE Engineering Ltd. See DSP 2 – 16-5333 folder for document.

Q54. Ref E500, Emergency Lighting Battery Pack Schedule, BP # 1 is noted on E200 as needing 2 heads attached, however, the schedule has "0".

A54. Reference emergency lighting battery pack schedule.

Q55. Ref drawing E600, Detail 6, is there specification available for this item?

A55. Lite-Keeper multi-pole, or approved equivalent.

Q56. Specifications 26 53 00, notes ask for EXIT signs, however, new building code is pictorial Running Man. Please advise? Are they to be bilingual?

A56. Specifications indicate "running man". Bilingual is not applicable here.

Q57. Specifications 26 24 16.01, requests all panels to have copper bussing. Can suite panels have aluminum bussing?

A57. Suite panels may be aluminium bussing, with bolt-on breakers.

Q58. Referring to horizontal louvre blinds (Section 12 21 13), is there a specific manufacturer and product that you would like to use? We are not finding a manufacturer that is meeting the specifications exactly.

A58. Manufacturer and product brand are not specified as per PCA tender requirements.



Q59. Is there an existing BMS system that should be used? If so, who is the manufacturer?

A59. No BMS system is required or specified. Refer to specifications for the requirements for the electric control system.

Q60. Are the Post Office ceilings 10' high?

A60. Yes

Q61. Can we have a sketch of 104 Windflower house dimensions?

A61. See attached sketch for approximate dimensions.

**B. OPTIONAL SITE VISIT ATTENDANCE**

See optional site visit attendance sheet under DSP 2 – 16-5333 folder.

*All other terms and conditions remain the same.*