



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave. Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6  
Bid Fax: (780) 497-3510

**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

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

**Comments - Commentaires**

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

**Issuing Office - Bureau de distribution**  
Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6

<b>Title - Sujet</b> Waterton Signs, Guardrails	
<b>Solicitation No. - N° de l'invitation</b> EP922-200063/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> Parks - EP922-200063	<b>Date</b> 2019-06-19
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWU-023-11636	
<b>File No. - N° de dossier</b> PWU-9-42017 (023)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-06-25</b>	<b>Time Zone</b> Fuseau horaire Mountain Daylight Saving Time MDT
<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 Enquiries to: - Adresser toutes questions à:</b> Taylor (RPC), Ian	<b>Buyer Id - Id de l'acheteur</b> pwu023
<b>Telephone No. - N° de téléphone</b> (780) 566-9487 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation No. - N° de l'invitation  
EP922-200063

Amd. No. - N° de la modif.  
0044

Buyer ID - Id de l'acheteur  
PWU023

Client Ref. No. - N° de réf. du client  
PCA EP922-200063

File No. - N° du dossier  
PWU-9-42017

CCC No./N° CCC - FMS No./N° VME

---

**This solicitation amendment has been raised to make the following changes:**

**Remove and Replace (with attached herein) the following sections:**

01 27 00 Measurement and Payment

All other terms and conditions remain unchanged.

**Part 1 General**

**1.1 MEASUREMENT FOR PAYMENT**

- .1 For each unit price item, Departmental Representative will calculate payment based on tendered unit price and Departmental Representative's determination of units of work item completed.
- .2 For lump sum price item, Departmental Representative will calculate payment based on tendered price and Departmental Representative's estimate of percentage of work item completed.
- .3 Where a method of measurement for payment for a work item is not specified, payment for that item will be deemed to be incidental to the contract.
- .4 For each unit price item that requires survey for quantity verification, the Contractor shall submit all supporting survey data in electronic format to the Departmental Representative at least 7 days before submission of progress payment.
- .5 Not all items included in the lump sum amount are listed in this section.

**Part 2 Products**

**NOT USED**

**Part 3 Execution**

This section prescribes the measurement and payment for items of Work described in the combined price table. The measurement and payment clauses shall be read in conjunction with the various items of work listed in the lump sum and unit rate price table.

**3.1 GENERAL REQUIREMENTS**

**.1 Mobilization and Demobilization**

This item is not a unit rate and is to be included in the lump sum amount. This is an incomplete summary for items to be included in the lump sum amount. Payment for this item shall be compensation in full for costs of mobilization; permits; moving personnel, equipment, fencing, safety measures, and materials to the site; setting up temporary facilities including temporary traffic control devices/equipment; public notices; storage of materials; all survey work, all preparation for performing the work; full demobilization of the above; site clean-up; site restoration; and costs associated with the warranty period.

**Payment:** To be included in the Lump Sum Amount

**Measurement:** 50% of the lump sum will be included in the first progress payment Certificate; 50% of the lump sum will be paid on or after the certificate of substantial completion has been issued, at the discretion of

the Departmental Representative; Mobilization/ demobilization will only be paid for once, regardless of the number of times the Contractor mobilizes and demobilizes, due to any condition or circumstance.

### **3.2 DEMOLITION**

#### **.1 Remove and Dispose Existing Signs – One Post**

Payment for this item shall be compensation in full for the supply of all equipment, material and labour required to remove, dismantle, sort and dispose of signs as directed by the Departmental Representative, including but not limited to removal, loading, hauling, sorting, dismantling, safeguarding, storing, transporting, disposal, tipping fees, backfilling, importing fill, compacting, shaping, associated cleanup, rehabilitation of disturbed area to match immediate surrounding terrain, and all items incidental to complete the work. Signs and posts may contain hazardous materials, such as pressure treated lumber or lead paint.

**Payment:** Unit price bid for each sign.

**Measurement:** Each.

#### **.2 Remove and Dispose Existing Signs – Two Posts**

Payment for this item shall be compensation in full for the supply of all equipment, material and labour required to remove, and dispose signs as directed by the Departmental Representative, including but not limited to removal, loading, hauling, sorting, dismantling, safeguarding, transporting, disposal, tipping fees, backfilling, importing fill, compacting, shaping, associated cleanup, rehabilitation of disturbed area to match immediate surrounding terrain, and all items incidental to complete the work. Signs and posts may contain hazardous materials, such as pressure treated lumber or lead paint.

**Payment:** Unit price bid for each sign.

**Measurement:** Each.

#### **.3 Remove and Replace Concrete Parking Curb**

Payment for this item shall be compensation in full for the supply of all equipment, material and labour required including removal, hauling and disposing of concrete curb, supply and installation of new concrete curb, removal and disposal of any debris; loading, hauling, handling, safeguarding, transporting, cleaning; and all labour, equipment and materials required to complete the work; and any other incidental work for which payment is not specified elsewhere.

**Payment:** Unit price bid for each curb.

**Measurement:** Each.

**.4 Remove and Dispose Existing W-Beam Guardrails**

Payment for this item shall be compensation in full for the supply of all equipment, material and labour required including, but not limited to, saw cut of adjacent asphalt and/or concrete, removal, hauling, dismantling and disposing of w-beam guardrails, pressure treated posts, steel posts, bases, end treatments, and all hardware associated with the guardrails, removal and disposal of any debris; backfilling with compacted native material, rehabilitation of disturbed area to match immediate surrounding terrain, loading, hauling, handling, safeguarding, transporting, cleaning; and all labour, equipment and materials required to complete the work; and any other incidental work for which payment is not specified elsewhere.

**Payment:** Unit Price bid per linear meter.

**Measurement:** Field measured along w-beam guardrail.

**.5 Hazard Tree Assessment and Abatement Crew**

Payment for this item shall be compensation in full for all equipment, materials, labour for a crew of 2 certified tree fallers actively abating hazard trees for 10 hrs per day, one project manager, one site supervisor, two spotters and one Forest Technician. The price shall include hazard tree assessment (Parks and Recreation Module certification required) and abatement, all support staff, site supervision, project management, silviculture / debris removal prescriptions, mapping, volume estimates, daily photo records, labour, fuel, lodging, meals, accommodations, living out allowance, overtime, equipment, bucking, cutting stumps flush with ground, de-limbing, topping, relocating trees outside of clear zone, flagging, trucks, snowmobiles, satellite phones, mapping, Registered Professional Forester and all other support and supervision requirements are considered incidental. All labour, materials, accommodations, disbursements, and equipment required to complete the work are incidental to completing the work for which payment is not specified elsewhere. All work must be pre-approved, via email, by the departmental representative prior to completing any hazard tree assessment and abatement work. Hazard tree assessment and abatement crew mobilization is considered incidental to the unit rate. ALL WORK MUST BE PRE APPROVED ON A CASE BY CASE BASIS.

**Payment:** Unit Price bid per day.

**Measurement:** Pre- approved working days.

**.6 Wildlife Surveys**

Payment for this item shall be compensation in full for all materials, labour, accommodations, travel and incidentals required to complete bird and/or bat surveys. Payment shall be based on an 8 hour day, onsite completing surveys. No payment will be paid for time in excess of 8 hr per day or travel time. Bird surveys must be completed by a qualified professional with a level of experience acceptable to the Parks Canada Environmental Officer. A bird survey, nest or roost search should be undertaken before the construction activities within 7 days of active tree falling to ensure no nesting birds are located in the area. Should a nest be encountered, the area should be clearly staked or flagged and a 50 m buffer established around the nest to avoid disturbance of the area. A report and mapping of all identified nests and roosts shall be considered incidental to the unit price per day. ALL WORK MUST BE PRE APPROVED ON A CASE BY CASE BASIS.

**Payment:** Unit Price bid per day.

**Measurement:** Working days.

### **3.3 SURFACE WORKS, TRAFFIC CONTROL & ROADSIDE FEATURES**

#### **.1 Supply Traffic Signs, Aluminum**

Payment for this item shall be compensation in full for the supply of permanent traffic signage; submission of sign proof for review and acceptance; all labour, equipment and materials required to complete the work; transporting, placing, hauling, clean up; and any other incidental work for which payment is not specified elsewhere.

**Payment:** Unit rate payment per square meter.

**Measurement:** Field Measured area.

#### **.2 Supply Traffic Signs with Reflective Sheeting, Aluminum**

Payment for this item shall be compensation in full for the supply of permanent traffic signage with reflective sheeting; submission of sign proof for review and acceptance; all labour, equipment and materials required to complete the work; transporting, placing, hauling, clean up; and any other incidental work for which payment is not specified elsewhere.

**Payment:** Unit rate payment per square meter.

**Measurement:** Field Measured area.

#### **.3 Install Traffic Signs**

Payment for this item shall be compensation in full for the installation of permanent traffic signage; submission of sign proof for review and acceptance; all labour, equipment and materials required to complete the work, placing, hauling, clean up; and any other incidental work for which payment is not specified elsewhere. Supply and installation of hardware shall be considered incidental to the unit rate.

**Payment:** Unit price bid for each sign.

**Measurement:** Each.

#### **.4 Supply and Install Wooden Posts (100 mm x 150 mm) for Signs**

Payment for this item shall be compensation in full for the supply and installation of grade 2 or better clear Cedar wooden posts (100 mm x 150 mm) and preparation work; loading, hauling, handling, safeguarding, transporting, mounting hardware, surface restoration; all labour, equipment and materials required to complete the work; erosion and sediment control, backfilling with compacted imported Type 1 (Des 2, Class 25 mm, AT spec) crushed gravel

material, rehabilitation of disturbed area to match immediate surrounding terrain, clean up; and any other incidental work for which payment is not specified elsewhere.

**Payment:** Unit price bid for each post.

**Measurement:** Each.

**.5 Supply and Install Steel Posts for Signs**

Payment for this item shall be compensation in full for the supply and installation of permanent steel posts and preparation work; loading, hauling, handling, safeguarding, transporting, mounting hardware, surface restoration; all labour, equipment and materials required to complete the work; erosion and sediment control, backfilling with compacted type 1 imported (Des 2, Class 25 mm, AT spec) crushed gravel material, rehabilitation of disturbed area to match immediate surrounding terrain, clean up; and any other incidental work for which payment is not specified elsewhere.

**Payment:** Unit price bid for each post.

**Measurement:** Each.

**.6 Supply and Install Line Painting – Centreline Directional Dividing (100 mm yellow)**

Payment for this item shall be compensation in full for all labour, equipment and materials required to supply and complete 100 mm wide line painting, including inspecting the areas to be painted, sweeping and cleaning of surfaces, supplying of paint and glass beads, completing temporary markings, traffic accommodation, painting to the specified locations and colours, clean up; and any other incidental work for which payment is not specified elsewhere.

**Payment:** Unit Price bid per linear kilometer.

**Measurement:** Field measured along pavement marking line.

**.7 Supply and Install Flexible Guide Posts (Delineators)**

Payment for this item shall be compensation in full for the supply and installation of guide posts and reflectors, removal of damaged guide posts, loading, hauling, handling, safeguarding, transporting, surface restoration; all labour, equipment and materials required to complete the work; erosion and sediment control, backfilling with compacted native material, rehabilitation of disturbed area to match immediate surrounding terrain, clean up; and any other incidental work for which payment is not specified elsewhere.

**Payment:** Unit price bid for each post.

**Measurement:** Each.

**.8 Supply and Install Strong Post W-Beam Guardrails (with Deep Steel Post)**

Payment for this item shall be compensation in full for the supply and installation of permanent strong post w-beam guardrails, deep steel posts, steel spacer blocks, reflectors; loading, hauling, handling, drilling, auguring, hydro-vacing, safeguarding, transporting and preparation work; mounting hardware, splicing, reinforcement, surface restoration; all labour, equipment and materials required to complete the work; erosion and sediment control, drilling, removal and disposal of cuttings, backfilling with compacted Type 1 material, tamping and all other items incidental to completing the work,

**Payment:** Unit Price bid per linear meter.

**Measurement:** Field measured along w-beam guardrail.

**.9 Supply and Install Impact Attenuator**

Payment for this item shall be compensation in full for the supply and installation of permanent Impact Attenuator (SKT System) including w-beam guardrail, soil plate and lower post, universal anchor bracket with shoulder bolt, hardware, deep steel posts, SKT impact head; loading, hauling, handling, safeguarding, transporting and preparation work; mounting hardware, hinged posts, plug welded steel posts, appurtenances, struts, bearing plates, surface restoration; all labour, equipment and materials required to complete the work; erosion and sediment control, excavation, backfilling with compacted type 1 material (Des 2, Class 25 mm, AT spec), grading work, compaction, rehabilitation of disturbed area to match immediate surrounding terrain, clean up; and any other items incidental to completing the work for which payment is not specified elsewhere.

**Payment:** Unit price bid for each End Treatment / Impact Attenuator System

**Measurement:** Each.

**.10 Supply and Install Alternate Enhanced Deep Post**

Payment for this item shall be compensation in full for the supply and installation of 3.66 m long guardrail strong posts (W200 x 46) as an alternate post. Includes all labour, equipment and materials required to complete the work: erosion and sediment control, removal and disposal of cuttings, excavation, drilling, supply, hauling, loading, placing, backfilling, compacting Type 1 material (Des 2, Class 25 mm, AT spec), tamping and all other items incidental to completing the work.

**Payment:** Unit price bid for each Enhanced Deep Post

**Measurement:** Each.

**.11 Subgrade Preparation**

Payment for this item shall be compensation in full for all materials, labour and equipment required for preparing the subgrade surface for shoulder surfacing, including excavating where required, scarifying, placing, blading, mixing, shaping, grading, moisture conditioning, compacting, maintaining, proof rolling, associated clean up and all work incidental to complete the work. This shall include the undercut and subsequent prep of minor “soft spots” to ensure an approved subgrade surface. Any materials excavated that are not required for subgrade fill on this project shall be considered waste and hauled outside of Waterton Lakes National Park. It is the contractor's responsibility to ensure an adequate supply of material is left to balance subgrade construction prior to hauling from the outside the Park.

**Payment:** Unit price bid for per square metre of subgrade preparation

**Measurement:** Each.

**.12 Supply and Install 0.5m x 0.5m Gabion**

Payment for this item shall be compensation in full for the supply and installation of gabion baskets, including excavation, preparation of foundation bed, and supply and installation of graded stone fill, and geotextile wrap.

**Payment:** Unit price bid for per lineal metre of 0.5m x 0.5m gabion

**Measurement:** Each.

**.13 Common Excavation**

Payment for this item shall be compensation in full for unsuitable material excavated, loaded, and hauled to the disposal site(s) as measured by survey in one stockpile in the designated location.

**Payment:** Unit Price per cubic metre

**Measurement:** Each.

**.14 Shoulder Grading – Supply and Placement of Type 1 Gravel (Class 25, Des 2 AT Spec)**

Payment for this item shall be compensation in full for supply, loading, hauling, placing, moisture conditioning, installing, and compacting type 1 gravel (Des 2, Class 25 mm, AT spec), as required to grade the shoulder between the post and the edge of pavement to achieve a maximum 10H:1V slope between the edge of pavement and post.

**Payment:** Unit Price per tonne

**Measurement:** Each.

**END OF SECTION**