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800 Burrard Street, Room 219
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Vancouver
British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

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 -
Pacific Region
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

Title - Sujet Traverse Trail Clearing & Grubbing	
Solicitation No. - N° de l'invitation EZ899-171514/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client	Date 2016-11-10
GETS Reference No. - N° de référence de SEAG PW-\$PWY-033-7889	
File No. - N° de dossier PWY-6-39165 (033)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-11-24	Time Zone Fuseau horaire Pacific Standard Time PST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Siopongco, Philip PWY	Buyer Id - Id de l'acheteur pwy033
Telephone No. - N° de téléphone (604) 351-6139 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PCA (Parks Canada) - Pacific Traverse Trail - Pacific Rim National Park - Tofino, BC	

Instructions: See Herein

Instructions: Voir aux présentes

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

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Les documents français seront disponibles sur demande.

This Solicitation Amendment 003 is raised to extend the bid closing date, provide clarification to Specifications (Addendum 2) and revise Appendix 1 – Combined Price Form. All these changes are to be incorporated into the solicitation document.

Extension of Time

**Traverse Trail Clearing
Pacific Rim National Park
Vancouver Island, British Columbia**

Solicitation No: EZ899-171514/A

Notice is hereby given that the time for reception of tenders previously due at
2:00 p.m. on November 17, 2016, local time is hereby extended to
2:00 p.m. on November 24, 2016, local time.

For Addendum 2 – See below.

Previous Appendix 1 – Combined Price Form is now replaced with **Appendix 1 – Combined Price Form, REVISED 11-10-2016.**

The Appendix 1 - Combined Price Form REVISED 11-10-2016 must be used when submitting your bid. Any bid submitted on a previous version of Appendix 1 – Combined Price Form will be considered non-compliant and therefore disqualified.

All other terms and conditions remain the same.

The following changes/clarifications in the tender documents are effective immediately.
This addendum will form part of the contract documents.

1.0 SECTION 01 11 00 GENERAL INSTRUCTIONS CLAUSE 1.6, Other Contracts:

Prospective bidders are advised that Public Works and Government Services Canada has engaged Current Environmental of Courtney, B.C. to conduct the amphibian salvage work and Millennia Research of Victoria B.C. for the archeological monitoring for the duration of the contract.

2.0 SECTION 01 11 00 GENERAL INSTRUCTIONS CLAUSE 1.8, Project Location:

The alignment of the trail has been marked in the field with orange flagging from the south park boundary to Wick Road, along Goldmine Trail, Florencia Bay Road, and Wick Road, and from the bottom of the escarpment (station 18+800) to the north park boundary. The remaining portion is being laid out and is generally 20 m – 30 m west of Highway # 4.

3.0 SECTION 01 11 00 GENERAL INSTRUCTIONS CLAUSE 1.12, Section .12, Individually identified danger trees:

Removal of these individual trees shall be paid under a new line item 31.1.5A, Individual Danger Trees. A revised Unit Price Table is included as part of this addendum. As part of this addendum the Danger Tree Assessment Sheet and a map showing locations of each of the danger trees as well as a table with approximate GPS location of the danger trees is included. The number of trees requiring removal is reduced to 31 danger trees.

4.0 SECTION 01 11 00 GENERAL INSTRUCTIONS CLAUSE 1.13, Contractor's Responsibility:

All persons working with the Prime Contractor and with any sub-contractors will be required to attend a brief tailgate meeting with Park Administration personnel at the Park Administration Building in Pacific Rim National Park regarding procedures for working within the Park. More than one meeting can be arranged to accommodate the Contractor's schedule and work forces. The park must be notified when significant changes in the work force are made (start of work, holidays, completion of work, new crews, etc.)

5.0 SECTION 01 11 00 GENERAL INSTRUCTIONS CLAUSE 1.14 Work Schedule:

The Contractor shall include in their schedule time to permit the amphibian salvage consultant to complete the salvage prior to starting the clearing in each segment of the work. The Contractor and amphibian salvage consultant will coordinate their efforts to avoid conflicts with the work and to salvage amphibians from an area that the Contractor can reasonable clear before being repopulated with amphibians. The Contractor shall provide a minimum of 5 working days' notice for each 2.5 km section of trail to be cleared. After an area is cleared of amphibians the Contractor shall work diligently to complete the tree clearing in a timely manner. The cost of amphibian salvage will be charged to the Contractor if work is not begun and continues at a reasonable rate to complete the work before amphibians re-populate the area. Events beyond the Contractors control such as weather that result in areas requiring additional salvage work shall not be charged to the Contractor.

To provide access for geotechnical work the Contractor will be required to clear some sections of the trail out of sequence as directed by the Departmental Representative. The Departmental Representative will provide a minimum of 5 working days' notice for these areas to the Contractor and the amphibian salvage consultant. The Departmental Representative may also direct that certain areas scheduled for clearing be advanced or delayed in

the schedule with a minimum of 5 working days' notice. The Contractor shall not be paid additional for these changes unless direct additional costs can be demonstrated, such as equipment moving costs.

6.0 SECTION 31 11 00 CLEARING AND GRUBBING

During the clearing and removing materials operations the Contractor shall:

- Remain outside of water-courses or, where crossing a stream is necessary, install temporary bridges and put sediment control into place and adhere to the provincial windows and fish passage guidelines;
- Avoid falling old or second growth trees within the riparian management areas (RMAs) of streams;
- Hand-fall trees away from stream channels. Bridging of heavy leaners is acceptable. Machines are permitted to lift and yard timber outside of RMAs. Minimize disturbance to stream channels and remaining trees/vegetation. Buck trees to efficiently yard trees and minimize disturbance;
- Harvesting debris shall not enter stream channels. Cleaning any introduced debris within channels is to be conducted concurrent with harvesting operations;
- Minimize machine traffic within stream RMAs through designated trails. Mark trails well prior to harvesting. Utilize puncheon or brush mats within RMAs to minimize disturbance and remove same upon completion of work within RMA.
- Machines shall not cross streams except at designated crossing with temporary bridge. Remove bridge upon completion of work.
- Minimize site degradation of soils within stream RMAs (rutting, erosion, displacement, etc.). Stop operations in area if rutting exceeds 15 cm depth.

Rainfall shutdown guidelines are as follows:

- Ground based harvesting/construction activities – delay 24 hours following a rainfall event of 45 mm in 24 hours;
- For lower slope positions along Long Beach and Florencia Bay return to work is based on rainfall recovery of 15 mm in a 24 hour period.
- For middle slope positions return to work is based on rainfall recovery of 30 mm in a 24 hour period.
- Work will remain suspended until the accumulated rainfall minus the recovery is below 45 mm in 24 hours.
- The above rainfall shutdown guidelines are from BC Timber Sales – Strait of Georgia Business Area having jurisdiction in the Tofino area;
- Ensure to follow applicable rainfall shutdown guidelines applicable Tofino specific to machine work. Time operations during drier conditions where possible.

Sediment control measures around stream crossings may include, but are not limited to:

- Large rock and coarse materials at bridge ends;
- Silt fences along bridge approaches;
- Natural fiber mats along bridge approaches. Fasten with pins.

7.0 SECTION 31 11 00 CLEARING AND GRUBBING AND UNIT PRICE TABLE ITEMS 31.1.1, 31.1.2, 31.1.3:

It is the intent of this project to avoid removal of significant trees wherever possible by minor adjustments to the trail alignment. In the old growth areas it is unlikely that any trees greater than 1 m diameter will required to be fallen unless the tree is deemed a danger tree. There are blow down trees greater than 1 m in diameter that require cutting a portion out to permit the trail to pass through.

8.0 SECTION 31 11 00 CLEARING AND DISPOSAL OF DANGER TREES ALONG TRAIL ROUTE, UNIT PRICE TABLE ITEM 31.1.5:

The Contractor shall pay particular attention to areas surrounding each of the bridge structures for danger trees and trees that present a risk to the bridge structures. Removal of these trees shall be paid at the rate tendered under item 31.1.5 of the contract.

9.0 SECTION 32 19 GEOTEXTILES - GEOCOMPOSITE, UNIT PRICE TABLE ITEM 31.4:

Question: For the Geotextile can an alternate high strength woven material be used?

Answer: While the strength of the woven fabric meets or exceeds that of the Geocomposite fabric and grid material it lacks the grid material which provides apertures. These are critical in our application. The rock aggregate locks into the grid and the live loading on the gravel transfers to a wide area before the aggregate is displaced.

10.0 SECTION 32 11 23 GRANULAR BASE AND UNIT PRICE TABLE ITEM 32.3:

Upon completion and acceptance of the graveled Radar Hill parking lot and the access roads the Contractor will use these sites for storage of timber removed from the trail and for access to the trail. The contractor will be required to maintain these areas in a usable condition for their work. The Contractor will not be required to leave these areas in a condition suitable for paving (by others.) It is understood the trail construction Contractor will be required to bring the gravel base in these areas to a condition suitable for paving.

11.0 SECTION 33 42 13 PIPE CULVERTS AND UNIT PRICE TABLE ITEM 33.1:

The pipe culverts shall be HDPE Open Profile Pipe, (Corrugated exterior, Smooth Inner Wall). Quantities shall be adjusted to the following:

- 450 mm diameter – 135 linear metres
- 600 mm diameter – 249 linear metres

A revised Unit Price Table is included in this addendum # 2.

12.0 SECTION 35 42 19 PRESERVATION OF WATER COURSES:

For the purposes of this contract a “Water Course” shall be defined as a natural or man-made channel from a permanent or periodical natural source, flowing in a particular direction, and in a defined channel having a bed and banks or sides and discharging into another stream or body of water. It may sometimes be dry. A Qualified Environmental Professional (QEP) shall be employed by the Contractor when a water flow being a “water course” is in dispute. At present 27 clearly defined water courses have been identified along the proposed trail. For estimating purposes the Contractor shall make allowances for up to 40 water course crossings. In the event that a greater number of water courses are encountered and require special measures to cross or work around an additional payment will be made at 1/40 of the rate tendered for each additional water course crossing.

Payment for this work shall be included in item 35.1 on the unit price table.

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APPENDIX 1 - COMBINED PRICE FORM, REVISED 11-10-2016

- 1) The prices per unit shall govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

UNIT PRICE TABLE

The Unit Price Table designates Work to which a Unit Price Arrangement applies.

- (a) Work included in each item is as described in the referenced specification section.
- (b) The Price per Unit shall not include any amounts for Work that is not included in that unit price Item.

Item	Specification	Description	Unit of Measure	Estimated Quantity (EQ)	Price per Unit applicable taxes extra (PU)	Extended amount (EQ x PU) applicable taxes extra
Division 1	Gen Requirement					
1.1	01 35 00	Special Procedures for Traffic Control	Lump Sum	1		
				Sub-total General Requirements		
Division 31	Earthworks					
31.1	31 11 00	Clearing and grubbing				
31.1.1		Clearing standing vegetation from 5.2 m wide right of way	Linear Meter	30,000		
31.1.2		Clearing standing vegetation from 3.0 m wide construction pullovers	Linear Meter	1,600		
31.1.3		Clearing and grubbing in parking lot	Hectare	0.5		
31.1.4		Clearing and grubbing for highway access roads	Hectare	0.4		
31.1.5		Clearing and disposal of danger trees along trail route	Each	80		
31.1.5A		Clearing and disposal of danger trees identified within the park boundary not on the trail route	Each	31		
31.1.6		Clearing and disposal of root damaged trees along trail route	Each	120		
31.1.7		Clearing and disposal of additional 1 m width of brush, both sides, between 0.5 m and 3.0 m above ground.	Linear Meter	22,000		
31.1.8		Clearing and disposal of organic debris from blowdown and logging activities to ground level	Linear Meter	7,500		
31.1.9		Transporting merchantable timber to designated storage areas.	Cubic Metres	3,200		
31.2	31 24 13	Roadway excavation disposed	Cubic	1,400		

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Item	Specification	Description	Unit of Measure	Estimated Quantity (EQ)	Price per Unit applicable taxes extra (PU)	Extended amount (EQ x PU) applicable taxes extra
		off-site (for parking lot)	Metres			
31.3	31 24 13	Roadway excavation disposed off-site (for highway access points)	Cubic Metres	700		
31.4	31 32 19	Geotextiles - Geocomposite	Square Meter	7,200		
31.5	31 37 00	Rip Rap – 350 mm thick	Square Meter	10		
				Sub-total Earthworks		
Division 32	Road & Site Improvements					
32.1	32 11 16	Granular sub-base 300 mm thick	Square Meter	4,000		
32.2	32 11 16	Granular sub-base 450 mm thick	Square Meter	3,200		
32.3	32 11 23	Granular base 100 mm thick	Square Meter	7,200		
32.3	32 17 23.1	Traffic signs (Temporary Project signs)	Each	2		
				Sub-total Road & Site Improvements		
Division 33	Utilities					
33.1	33 42 13	Pipe culverts				
33.1.1		450 mm diameter HPDE culverts	Linear Meter	135		
33.1.2		600 mm diameter HPDE culverts	Linear Meter	249		
				Sub-total Utilities		
Division 35	Protection of Water Courses					
35.1	53 42 19	Preservation of Water Courses	Lump Sum	1		
				Sub-total Protection of Water Courses		
TOTAL EXTENDED AMOUNT (TEA) (Excluding applicable taxes)						