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RETOURNER LES SOUMISSIONS À:

**Parks Canada
National Contracting Services**

**Parks Canada
30 Victoria Street
Gatineau, Quebec, J8X 0B3**

AMENDMENT # 4

INVITATION TO TENDER
APPEL D'OFFRES

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 à: 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 et aux annexes ci-jointes, les biens, services et construction énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments – Commentaires

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**Parks Canada
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30 Victoria Street
Gatineau, Quebec, J8X 0B3**

Title-Sujet Entrance Rehabilitation Project (North and South Entrances) Terra Nova National Park, NL		Date February 3, 2017								
Solicitation No. - No. de l'invitation 5P300-16-5486		Client Ref. No. – No. de réf du client.								
GETS Reference No. – No de reference de SEAG										
Solicitation Closes L'invitation prend fin – at – à 01:00 PM on – le 2017-02-08		Time Zone Fuseau horaire - EASTERN DAYLIGHT TIME (EDT)								
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>										
Address Inquiries to: - Adresser toute demande de renseignements à : Marko Muradori marko.muradori@pc.gc.ca										
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Name and title of person authorized to sign on behalf of the Vendor/Firm Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur <table style="width:100%; border:none;"> <tr> <td style="width:50%; border-top:1px solid black; border-bottom:1px solid black;"></td> <td style="width:50%; border-top:1px solid black; border-bottom:1px solid black;"></td> </tr> <tr> <td style="text-align:center;">Name / Nom</td> <td style="text-align:center;">Title / Titre</td> </tr> <tr> <td style="border-top:1px solid black; border-bottom:1px solid black;"></td> <td style="border-top:1px solid black; border-bottom:1px solid black;"></td> </tr> <tr> <td style="text-align:center;">Signature</td> <td style="text-align:center;">Date</td> </tr> </table>					Name / Nom	Title / Titre			Signature	Date
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SOLICITATION AMENDMENT # 4

THIS AMENDMENT CONSISTS OF QUESTION AND ANSWERS.

1. AMENDMENT TO THE ITT DOCUMENT;
2. QUESTION AND ANSWERS.

1. DELETE:

Remove Annex A – COMBINED PRICE FORM in its entirety from page 14 of the ITT Document.

INSERT:

COMBINED PRICE FORM

- 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.

LUMP SUM TABLE

The Total Lump Sum Amount designates Work to which a Lump Sum Arrangement applies. Bidders are reminded that it is their responsibility to include in their bid all work as described in the drawings and specifications. Pricing for work not accounted for in the Unit Price Table is to be included in the Lump Sum Amount.

Item	Description	Unit of Measurement	Estimated Quantity – NORTH ENTRANCE	Estimated Total Price (HST Extra)
NORTH ENTRANCE				
1	General Contract Requirements	Lump Sum	1	
2	Erosion & Sediment control	Lump Sum	1	
3	Temporary Facilities	Lump Sum	1	
4	Removals (all removals not itemized in Unit Price Table)	Lump Sum	1	
5	Playground Equipment, including all footings, granulars, excavation and backfill (not including safety surfacing)	Lump Sum	1	



Item	Description	Unit of Measurement	Estimated Quantity – NORTH ENTRANCE	Estimated Total Price (HST Extra)
6	<i>Electrical Site Services</i>			
6.1	Underground Electrical	Lump Sum	1	
6.2	Site Lighting	Lump Sum	1	
6.3	Building lighting/ power	Lump Sum	1	
6.4	Electrical Distribution / services	Lump Sum	1	
6.5	Data	Lump Sum	1	
7	<i>Pond Lookoff Structure</i>			
7.1	Foundations	Lump Sum	1	
7.2	Structural Steel	Lump Sum	1	
7.2	Misc. Steel (railings)	Lump Sum	1	
7.3	Timber Wall Panels	Lump Sum	1	
7.4	Roof Enclosure (including framing, roofing, and timber soffit)	Lump Sum	1	
7.5	Decking	Lump Sum	1	
7.6	Interpretive Panels, Maps, Information panels	Lump Sum	1	
8	<i>Entrance Pavilion</i>			
8.1	Shell (Substructure, Structure, Exterior enclosure) – including exterior retaining walls as shown in structural drawings	Lump Sum	1	
8.2	Interiors (Partitions & doors, Finishes, Fitting & Equipment)	Lump Sum	1	
8.3	Services (Mechanical & Electrical) – all items not included in item 6, 'Electrical Site Services'	Lump Sum	1	
9	Other Items Not Included in the Unit Price Table	Lump Sum	1	
10	Contingency	Lump Sum	1	\$37,500.00



Item	Description	Unit of Measurement	Estimated Quantity – NORTH ENTRANCE	Estimated Total Price (HST Extra)
NORTH ENTRANCE – LUMP SUM AMOUNT (LSA) excluding applicable tax(es)				

Item	Description	Unit of Measurement	Estimated Quantity – SOUTH ENTRANCE	Estimated Total Price (HST Extra)
SOUTH ENTRANCE				
1	General Contract Requirements	Lump Sum	1	
2	Erosion & Sediment control	Lump Sum	1	
3	Temporary Facilities	Lump Sum	1	
4	Removals (all removals not itemized in Unit Price Table)	Lump Sum	1	
5	Playground Equipment, including footings, granulars, excavation and backfill. (not including safety surfacing)	Lump Sum	1	
6	<i>Electrical Site services</i>			
6.1	Underground Electrical	Lump Sum	1	
6.2	Site Lighting	Lump Sum	1	
6.3	Building Lighting / Power	Lump Sum	1	
6.4	Electrical Distribution / Services	Lump Sum	1	
6.5	Data	Lump Sum	1	
7	<i>River Lookoff Structure</i>			
7.1	Foundations	Lump Sum	1	
7.2	Structural Steel	Lump Sum	1	



7.2	Misc. Steel (railings)	Lump Sum	1	
7.3	Timber Wall Panels	Lump Sum	1	
7.4	Roof Enclosure (including framing, roofing, and timber soffit)	Lump Sum	1	
7.5	Decking	Lump Sum	1	
7.6	Interpretive Panels, Maps, Information panels	Lump Sum	1	

Item	Description	Unit of Measurement	Estimated Quantity – SOUTH ENTRANCE	Estimated Total Price (HST Extra)
8	<i>Entrance Pavilion</i>			
8.1	Shell (Substructure, Structure, Exterior enclosure) - including exterior retaining walls as shown in structural drawings	Lump Sum	1	
8.2	Interiors (Partitions & doors, Finishes, Fitting & Equipment)	Lump Sum	1	
8.3	Services (Mechanical & Electrical) – all items not included in item 6, 'Electrical Site Services'	Lump Sum	1	
9	Other Items Not Included in the Unit Price Table	Lump Sum	1	
10	Contingency	Lump Sum	1	\$37,500.00
SOUTH ENTRANCE – LUMP SUM AMOUNT (LSA) excluding applicable tax(es)				

TOTAL LUMP SUM AMOUNT (LSA) – NORTH AND SOUTH ENTRANCES		
1	NORTH ENTRANCE LUMP SUM AMOUNT	
2	SOUTH ENTRANCE LUMP SUM AMOUNT	
3	ALLOWANCE - Miscellaneous work not included in Unit Price Table	\$20,000.00
TOTAL LUMP SUM AMOUNT – NORTH AND SOUTH ENTRANCES Excluding applicable tax(es)		



UNIT PRICE TABLE

- 1) The unit price table designates the Work to which a Unit Price Arrangement applies
 - (a) The Price per unit and the total price must be entered for each item listed
 - (b) Work included in each item is as described in the drawings and specifications.

Item	Description	Unit of Measurement	Estimated Quantity – NORTH ENTRANCE	Estimated Quantity – SOUTH ENTRANCE	Total Quantity – NORTH + SOUTH	Unit Price (HST EXTRA)	Estimated Total Price (HST Extra) NORTH + SOUTH ENTRANCE
REMOVALS							
1	Asphalt & Granular base – full depth removal & disposal	m ²	380	1200	1580		
2	Concrete curb & granular base – remove and dispose	m ²	90	225	315		
3	Remove & stockpile paving stones	m ²	155	180	335		
4	Remove & dispose granular base from paving stones – full depth	m ²	155	180	335		
5	Clearing & Grubbing at entrances (parking lot / pavilion sites)	m ²	630	1195	1825		
6	Clearing & Grubbing at trails, including stripping and stockpiling of topsoil / bog material / forest duff	m ²	480	1020	1500		
SITE PREPARATIONS							
7	Tree Protection fence	m	0	120	120		
EARTHWORKS							
8	Topsoil stripping and stockpiling on site (at entrances, not including area of clearing & grubbing, not including trails)	m ²	1980	1240	3220		
9	Removal of excess fill off-site	m ³	375	680	1055		
10	Rough Grading	m ³	535	1100	1635		
11	Fine Grading	m ²	2780	2535	5315		
ROADWORKS & CIVIL							



12	1050 Catch basin, including granulars	ea	0	3	3		
13	300mm Storm pipe, including bedding	m	0	40	40		
14	Stormwater trench, per detail	m	0	40	40		
15	Concrete barrier curb & granulars	m	100	18	118		
16	Type C Asphalt pavement – 50mm	m ²	295	735	1030		
17	Type B Asphalt pavement – 50mm	m ²	295	735	1030		
18	Class B gravel – 300mm	m ²	350	800	1150		
19	Class A gravel – 200mm	m ²	350	800	1150		
20	Parking stall line painting	m	100	275	375		
21	Parking lot hatch painting	m ²	42	115	157		
	HARD LANDSCAPE						
22	100mm Concrete sidewalk, straight broom finish	m ²	66	120	186		
23a	200mm Class B granular sidewalk base	m ²	80	130	210		
23b	150mm Class A granular sidewalk base	m ²	80	130	210		
23c	100mm Class A granular at crusher dust paving, trails (typical), and landscape boulders	m ²	295	1080	1375		
24	Re-install stockpiled paving stones, including 150mm granular base	m ²	0	2	2		
25	Flush concrete curb, including granular base	m	6	6	12		
26	Poured-in-place concrete step, per detail, including granulars	m	2.5	0	2.5		
27	Landscape boulders at pavement including boulders, cutting, granulars, crusher dust infill, all other materials per detail	ea	7	5	12		
28	New landscape boulders in soft landscape, including granulars	ea	30	35	65		



29	Re-install stockpiled landscape boulders, including granulars	ea	12	0	12		
30	Gabion baskets, 1m x 2m x 0.5m, including roundstone infill, base granulars, drains, and landscape fabric	ea	35	13	48		
31	Custom wood seat top for gabion walls	m	10	5	15		
32	600mm wide rock swale, per detail	m	24	40	40		
33	Crusher dust paving at entrances, per detail (picnic areas)	m ²	22	50	72		
34	1.2m wide crusher dust trail (typical) - not including Class A granular (see item 23c)	m	0	315	315		
35	1.8m wide crusher dust trail (typical) - not include Class A granular (see item 23c)	m	55	166	221		
36	1.8m wide trail in bog area, (per detail 3, Sheet L-302) - including base granular	m	265	30	295		
37	Wood handrails	m	25	150	175		
38	Stacked rock retaining wall at trails	m ²	0	150	150		
SOFT LANDSCAPE							
39	Wood chip mulch play surface, 300mm depth	m ²	85	45	130		
40	100mm topsoil (reuse topsoil stockpiled from removal; import from local source as required)	m ²	2130	1270	3400		
41	Sod	m ²	1650	550	2200		
42	Hydroseed	m ²	480	720	1200		
43	2m coniferous tree planting, including soil and all accessories	ea	16	10	26		
44	3gal shrub planting, including soil and all accessories	ea	40	30	70		
45	1gal herbaceous planting, including soil, mulch, and all accessories	ea	100	100	200		

	SITE FURNISHINGS
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46	Picnic tables, including precast slab and anchors	ea	2	2	4		
47	Re-install flagpoles to match existing installation	ea	1	1	2		
48	Re-install Parks Canada Highway Sign to match existing installation	ea	1	1	2		
49	Re-install waste receptacles on concrete base	ea	1	1	2		
50	Trail Signage (Parks Canada Standard)	ea	2	4	6		
51	Trail Blazers	ea	3	3	6		
52	Identification Sign (Parks Canada Standard)	ea	1	1	2		
PROVISIONAL ITEMS (Do Not Extend) – where no quantity is shown, provide unit rates for use in evaluating changes to scope of work							
53	Removal of unsuitable soils and export off-site	m ³					
54	Surge Rock	m ³					
55	Substitute ½" pea gravel for Wood chip mulch play surface	m ³	85	45	130		
56	8" corrugated steel culverts under trail	m	10	10	20		
57	Removal of single tree, including stump	ea	10	10	20		
58	Import additional topsoil to site (from local source, per specifications)	m ³					
59	Imported fill from local source (premium borrow)	m ³					
60	Remove excess topsoil / bog material / forest duff off-site (to Big Brook Quarry, Terra Nova)	m ³					
Subtotal – Provisional items (do not extend)							



TOTAL ESTIMATED AMOUNT (TEA) – NORTH AND SOUTH ENTRANCES, excluding applicable tax(es) Not including Provisional Items	
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TOTAL BID AMOUNT (LSA + TEA) Excluding HST	
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Note: Bidders are reminded that it is their responsibility to include in their bid all work as described in the drawings and specifications. It is the bidder’s responsibility to notify Parks Canada of any discrepancies between the drawings and specifications and quantities or other information contained in the bid form.

QUESTION AND ANSWERS:

Question 1:

Unit Price Table

Item 1 (a) states

The Price Per Unit and the total price must be entered for each item listed

In the Unit Price Table Below there is only (1) column for bidders to fill out – Estimated Total Price
There is no column for Price Per unit of Measurement as requested above.

Answer 1: This has been corrected in the updated Unit price table, attached.

Question 2:

What is the thickness of plywood on the roof assemblies?

Answer 2: A7. {3/4”}

Question 3:

What are we using to attach sleepers to the steel on the pond lookout?

Question 4:

How are we attaching the cedar wall panels to the steel – it mentions mounting plates but there are no details?

Answers for Q2, 3, 4:

- **Use Hilti XU (Length to suit) P8 S36 Power Actuated Fasteners (Or Approved Equal)**
- **Length to suit, min penetration into substrate 1/2” (12mm)**
- **Spacing for Plywood, min 400 mm in any direction**
- **Dimensional lumber spacing 400 mm c/c**
- **Hanging Cedar Panels to Steel Framing, 300 mm c/c @ each horizontal support**

Question 5:

Is there going to be another scheduled site visit?



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Answer 5: There will be no further site meeting

Question 6:

Requesting to extend the closing date for this job?

Answer 6: The extension was given (Feb 8th)

Question 7:

There are some inconsistencies on the plans :

- o On the plan S-105 on detail 1, you specify model P4, but with the dimensions of model P3 (88,9x5,5mm);
- o On the plan S-105 on detail 2, you specify model P4 or P6;
- o On the plans S-101 and S-103, you specify pile of 100mm Ø that is the diameter of a P4.
- o Can you clarify if you want P3, P4 or P6?
- Can you specify the loads (Compression, tension, shear and moment) on the helical piles?
- I see 25 helical piles on the plans, is that right?

Answer 7:

The design has been prepared based on P4 dimensions. However based on the pile loading table included, the pile should be sized to carry loading as this is a proprietary item.

Number of piles will have to be determined from the site drawings, plan view contains sufficient information to determine.



		South Site							
		Service (Max V)		Factored (max H)		Factored (max V)		Factored (max H)	
Post		V	H	V	H	V	H	V	H
		[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]
A/2		43.9	0.0	39.2	8.6	61.3	0.0	15.7	16.0
A/4		27.1	0.0	25.1	8.6	37.5	0.0	11.1	16.0
A/5		13.2	0.0	12.1	8.6	18.3	0.0	5.2	16.0
B/3		31.4	0.0	17.8	8.6	45.4	0.0	5.8	16.0
B/4		62.8	0.0	35.6	8.6	90.7	0.0	11.6	16.0
B/5		31.4	0.0	17.8	8.6	45.4	0.0	5.8	16.0
C/2		43.9	0.0	39.2	8.6	61.3	0.0	15.7	16.0
C/4		27.1	0.0	25.1	8.6	37.5	0.0	11.1	16.0
C/5		13.2	0.0	12.1	8.6	18.3	0.0	5.2	16.0
		North Site							
		Service (Max V)		Factored (max H)		Factored (max V)		Factored (max H)	
Post		V	H	V	H	V	H	V	H
		[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]	[kN]
A/2		37.1	0.0	31.1	6.6	44.6	0.0	6.8	12.2
A/3		40.0	0.0	33.4	6.6	47.9	1.0	6.9	12.2
A.4		19.6	0.0	16.3	6.6	23.5	2.0	3.1	12.2
C/2		37.1	0.0	31.1	6.6	44.6	0.0	6.8	12.2
C/3		40.0	0.0	33.4	6.6	47.9	1.0	6.9	12.2
C/4		19.6	0.0	16.3	6.6	23.5	2.0	3.1	12.2



Question 8:

Amendement #1- Revised Tender Price Table
Page 3/7. Item 7- Pond Lookoff Structure
7.1- Foundations

Does this include foundation for BLDG as well or just Look Off Structure? If just the Look off Structure, which item would cover foundation for BLDG.

Answer 8:

Foundations for the Entrance pavilion are included in item 8.1, 'Shell' (considered as substructure)

Question 9:

Page 3/7

8 – Entrance Pavillion

Item 8.3

Can you please identify what you mean by Services(Mechanical and Electrical)

Answer 9:

Services in item 8.3 include any mechanical / electrical services not captured in item 6, such as the composting toilet system and associated fans, etc.

Question 10:

Page 9/23 Tender

Insurance terms

Item 2b- Period of insurance

Can you please clarify this item. Is it stating that the warranty period for all items under this contract have a warranty period for 6 Years?

Answer 10: Guarantee the work for the period of 6 years

Question 11:

It has been brought to our attention by a few electrical subs that they can't find the controls for the exhaust fans in the washrooms.

Answer 11: The composting toilet supplier will provide the fan. It's hard wired and needs to run 24/7. See attached spec for more info. The vent is 4" ABS or PVC and need to extend beyond the highest point of the roof. Fan is located below the floor adjacent to the liquid removal port.

Question 12:

Unfortunately we missed the original site visit and would like to schedule another visit as we are very interested in pursuing this job.

Answer 12: No more site visits.

Question 13:

Due to the unique location and types of materials required, we believe the tender closing should be extended somewhere between February 10-15, 2017.

Answer 13: To be reviewed at a later date.



Question 14:

The earthwork/civil tender form should have a column added to include Estimated Quantity- Total North and South Entrance. Currently the total is placed under the unit price column, so this is no place to insert unit prices?

Answer 14: This has been corrected in the updated bid form, attached.

Question 15:

Are you planning on providing a specification for signage for this job? Some of the information for the signage is unclear on the drawings.

Answer 15: No additional signage specification is being provided.

Question 16:

Line Item #38 on Unit Price table (Page 6 of 7) "Stacked rock retaining wall at trails" I assume is shown on Drawing L-302 Details # 1 Switchback and #5 Uphill Retaining Wall, the unit of measure is stated as M2 (Meter square) so does this apply to the "Face " of the wall or the "Base"? Should it not be shown as meter cubed? Furthermore, at what line item is covering the "cut and fill" as well as the geotextile where there is a wall and what about where there is no wall, where is the "cut and fill" to be included?

Answer 16: Line item 38 on the Unit Price table does refer to Detail #5 / Sheet L-302. The m2 unit of measure refers to the face of the wall. Line item 38 on the Unit price table includes the wall itself, as well as localized cut and backfill relating to the wall construction, and geotextile.

Question 17:

Tender Doc at page 6 of 7, line items #34+35+36 these are what covers the trails new material, when you look at drawing #L-302 details # 3+4 and again this covers the new materials for the trails, However the question is does the price on the line item include the base material? ie: the 200mm mixture clay/fines+geogrid+pitrun at detail #3 and/or the 100mm of class A +subgrade compaction at detail #4? Note that line #36 states crusher dust at bog area whereas the detail (#3/L302 does NOT refer to crusher dust at all. On another point ;drawings state that the site requires "proof rolling" at some areas, where is this to be included on the Tender Form? The line items do not state where this is to be included.

Answer 17: Unit prices for line items 34, 35 do not include base granular materials. They do include geotextiles, surface materials (crusher dust or clay/silt /gravel mixture). Line item #36 shall include base granular, and shall be revised to read: "1.8m wide trail at bog area (per detail 3, Sheet L-302)". Proof rolling shall be included in line item 10, 'Rough Grading.'

Question 18:

The trail rails are shown to be cedar on the drawings but juniper in the spec. Which is correct?

Answer 18: Either cedar or juniper is acceptable

Question 19:

I noticed Item 13 on page 5 of 7 in the unit price table is calling up 50mm storm pipe but it should be 300mm as well.



Answer 19: This has been corrected in the updated unit price table, attached.

Question 20: On drawing L 103 Detail 1 it lists the use of 600 mm galvanized spiral spikes to join the logs. I have not been able to locate these. Do you have a supplier for these?

Answer 20: Rebar is an acceptable substitute for these spikes. The intent is to secure posts together and prevent movement.

Question 21:

On drawing L 102 for the North Entrance shows a Rock Swale (Detail L301-5) but this does not show up on the unit price table in the tender (item 32 page 17). Do we include this in the price?

Answer 21: Quantity for North entrance should be 24m of for Rock Swale. See attached updated bid form.

Question 22:

The Gabion Baskets shown on Drawings L 301 North and South are listed as 0.5m x 0.5m x1.0m. The Unit price table (Item 30 page 17) lists these as 1m x 2m x 0.5m. The 0.5m x 0.5m x 1m are not readily available in the Newfoundland market. Which is the correct measurement?

Answer 22: The smaller architectural gabion baskets are to be cut by the contractor from the standard Maccaferri module.

Question23:

Referring to Item C) above – If the size is actually the 1m x 2m x 0.5m Baskets than Item 31 page 17 of the tender document will need to be modified from the dimensions shown in detail L301-3 (Gabion Wall Seat) as it will no longer fit on the larger Gabion.

Answer 23: Refer to answer above (Question 22) – standard sized architectural gabion baskets can be cut on site to fit.

Question 24:

The Steps shown on by the Hill slide on Drawing L 103 are listed in as detail L303-3. Should these actually be detail L303-5?

Answer 24: Yes.

Question 25:

The quantities for sod for item 41 (Page 18) of the tender are listed as 1650 sq meter north and 550 sq meters south but the total is listed as 130 sq meters. Should we add the north and the south for totals and ignore the listed total?

Answer 25: Quantities were corrected in the last issued version of the bid form.



Question 26:

The quantities for Hydroseed for item 42 (Page 18) of the tender are listed as 480 sq meter north and 720 sq meters south but the total is listed as 3400 sq meters. Should we add the north and the south for totals and ignore the listed total?

Answer 26: Quantities were corrected in the last issued version of the bid form.

Question 27:

In Amendment #1 there was a contingency of \$37,500 for each entrance (North & South). Can you specify what this contingency covers?

Answer 27: The contingency is only intended to be used in the event that unexpected site conditions are encountered.

Question 28:

After talking with a few suppliers on using Eastern White Cedar, they say the product is very brittle and recommend using Western Red Cedar?

Answer 28: We would accept Western Red cedar

Question 29:

Under the Painting spec, to my understanding all structural steel is galvanize and to be painted? Can you please confirm?

Answer 29: Structural steel is to be galvanized and not painted. The reference to painting galvanized was for door frames for the buildings. All exterior exposed structural steel framing is to be galvanized not painted

Question 30:

Including wood siding all other Easter White Cedar products are to receive 2-coats of 100% acrylic **waterproof coating? Please confirm?**

Answer 30: The pavilion buildings are to receive the coatings as per section 07 46 23. The look off structures are to be left untreated to weather naturally.

Question 31:

At the North and South Lookouts, How are we planning to fasten the cedar deck boards to the steel channels? There are wooden Joist used at the Pavilions.

Answer 31: The decking boards are fastened to wood sleepers. Those sleepers will need to be fastened to the steel structure. Refer to structural response 35 for fastener design

Question 32:

In addition to Item 5, same question applies for the installation of the Cedar Panels at both lookouts and each pavilion.

Answer 32: Refer to details 4 - A-502. The cedar panels are back fastened to a stainless-steel plate. This stainless-steel plate is then fastened to the Galv steel structure. Dissimilar metals require and



EPDM gasket to prevent galvanic corrosion. See updated spec sections 05 50 00 and 06 15 00. Refer to structural response 35 for fastener design.

Question 33:

Who Pays for Geo-Tech & Concrete Testing?

Answer 33: Parks Canada pays for these items, as indicated in the specifications

Question 34:

How are we attaching the plywood to steel on the roof of the pond lookoff?

What are we using to attach sleepers to the steel on the pond lookout?

How are we attaching the cedar wall panels to the steel – it mentions mounting plates but there are no details?

Answer 34:

- **Use Hilti XU(Length to suit)P8 S36 Power Actuated Fasteners (Or Approved Equal)**
- **Length to suit, min penetration into substrate 1/2" (12mm)**
- **Spacing for Plywood, min 400 mm in any direction**
- **Dimensional lumber spacing 400 mm c/c**
- **Hanging Cedar Panels to Steel Framing, 300 mm c/c @ each horizontal support**

Question 35:

The trail rails are shown to be cedar on the drawings but juniper in the spec. Which is correct?

Answer 35: Either cedar or juniper is acceptable.

Question 36:

Item 22 Page 6 of 7 in the Unit Price Table states 150mm concrete sidewalk but the drawings show 100mm concrete sidewalk. Which is correct?

Answer 36: 100mm concrete sidewalk is required. Unit price table has been corrected - see attached.

Question 37:

If Items 33 – 36 only includes the crusher dust and not the base which should be in Item 20, I don't think there is only enough class A in Item 20. Please advise.

Answer 37: Item 20 has been updated to include Class A Granulars for crusher dust paving and trails.



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Question 38: Can you please clarify the following item for us?

Unit Price Table
Provisional Items
Item # 54
Surge Rock.

Can you please specify what size of surge rock?

Answer 38: Surge rock may range from 3” to 8”

Question 39: Where in the tender sheet does it show a space for painting the lookout structures? In my previous list of questions I asked for clarification on painting structural steel?

Answer 39: See response to painting structure. The exterior steel structure is galvanized not painted.

Question 40: We are going to arrange a site visit and I wondering if there is a Parks Canada Representative that we could schedule to me with us?

Question40: No more site visits.

Question 41: What is the thickness of the cedar wood panels (50mm wide & 102mm wide). These panel are used on both the lookouts and the pavilions?

Answer 41: Refer to Drawing A-502 for typical Panel details. Panels are 63mm or 2.5” thick.

Question 42: Can you confirm concrete curb granular base remove and dispose? Shows 315 sq meters.

Answer 42: Should this read 315 meters

ATTACHED DOCUMENTATION

01 11 10 – GENERAL REQUIREMENTS
01 29 00 - PAYMENT PROCEDURES
05 50 00 – METAL FABRICATIONS
06 15 00 – WOOD DECKING
31 00 99 – COMMON WORK RESULTS FOR EARTHWORKS rev
2017-2-2-Bid formTNNP Entrance Rehabilitation
ADDITIONAL STRUCTURAL DETAILS FOR SIGN BASES AND FLAG POLE

END OF SECTION.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.