



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS Á:

Parks Canada Agency
1300 - 635 8 Ave SW
Calgary, AB T2P3M3
Bid Fax: (403) 292-4475

INVITATION TO TENDER

APPEL D'OFFRES

AMENDMENT / MODIFICATION

004

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

Comments - Commentaries

Issuing Office - Bureau de distribution

Parks Canada Agency
Suite 1300
635 - 8 Ave SW
Calgary, AB T2P3M3

Title-Sujet Trans-Canada Highway Twinning – km 82-88 Yoho National Park		
Solicitation No. - No. de l'invitation 5P420-16-5123/A		Date: August 19, 2016
GETS Reference No. – No de reference de SEAG PW-16-00739080		Amendment No. - N° de la modif. 004
Solicitation Closes:		
at – á 02:00 PM	on – le August 25, 2016	Time Zone - Fuseau horaire MDT - HAR
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 : Nathaniel Harrison - nathaniel.harrison@pc.gc.ca		
Telephone No. - No de téléphone (403) 292-4572		Fax No. – No de FAX: (403) 292-4475
Destination of Goods, Services, and Construction: Destinations des biens, services et construction: See Herein – Voir ici		

TO BE COMPLETED BY THE BIDDER (type or print)

Vendor/Firm Name	
Address - Adresse	
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	
Titale - Titre	
Telephone No. - N° de telephone:	_____
Facsimile No. - N° de télécopieur:	_____
Signature	Date

Amendment 4

This amendment has been issued to answer questions from bidders and make changes to the tender documents.

This tender now closes on **August 25, 2016 at 2:00 PM MDT.**

A. Questions

Q90. Can our detours be created beyond the clearing limits shown on the drawings? The detour construction would require clearing, blasting, excavation etc. there is otherwise not enough room to create a detour around the wildlife structures.

A90. The clearing limits required for the detour will be reviewed in conjunction with the design submitted by the Contractor for approval by the Departmental Representative. If additional clearing is deemed to be necessary by the Departmental Representative to accommodate the detour it will be incorporated in the approval.

Q91. Can you please provide information on utilities that are expected in the Right of way.

A91. The following utilities are expected in the Right of Way:

- Telus Communication as shown on the drawings
- Communication crossing for weather station at approximately Km 86.3
- Septic field and sewer line located at Wapta Cut Km 86.8 to 87+100

Prior to construction the Contractor shall expose and confirm the locations and elevations of all existing utilities and advise the Departmental Representative of any potential conflicts.

Q92. Will there be penalties if the completion date is not met? What is estimated daily cost incurred costs for not meeting the August 25th completion date.

A92. Refer to Amendment 03 – Tender Revisions for revised completion date.

Penalties for construction completion delays shall be determined in accordance with General Condition (GC) 5 - Terms of Payment >100K - Construction Services, GC5.10 (2007-05-25) Assessments and Damages for Late Completion.

Q93. Can we auger under existing lanes in lieu of open cutting the culverts?

A93. Yes

Q94. Barrier drain with CSP or Rip-Rap.(Drawing C307) Is the intent to use the 14 CDB-E barrier for this detail. Are we to assume the will need to install a total of 14 barrier drain with 300 pipe or Rip Rap option based on the CDB-E tender quantities. On (Drawing C001) it indicates description and symbol to be used. But no where is the barrier and 300mm pipe symbol found or located on drawing. Is there a missing drainage drawing to show location of the barrier drain and 300 pipe?

A94. Refer to Tender Question Q83 response.

Q95. Will hydration control or retarders be approved to facilitate delivery?

A95. Concrete admixtures will be permitted to facilitate delivery. All proposed additives must be included in the concrete mix design package for review and acceptance by the Departmental Representative.

Q96. The C-XL Exposure is specified for Bridge Decks in 03 30 00 using 20mm max aggregate and in 03 30 51 using 10mm max aggregate. Since this deck is not an overlay and will be covered and not exposed, what is the actual specification required for the deck?

A96. Concrete designed with C-XL exposure class and 10mm maximum aggregate size will be required.

Q97. Is there a minimum fiber content required for the application, and is the use of fibers only for the shrinkage or is there any other purpose of the fiber such as abrasion or structural performance. The intended application of the fiber will determine the content.

A97. Refer to Amendment 03 Tender Revisions

- Q98.** Questions and answers of #49 and #65, Amendment No. 2, do not clearly answer the question: “can the contractor work at night at any time during the contract period to work on items such as crushing, grade construction, culvert installation and other related items of work”.
- A98.** Night work will be permitted for blasting operations **only**. Blasting operations for grade construction from km 85.5 – km 85.1 to be completed between 7:00 – 19:00 hrs.
- Q99.** Reviewing the desired pulverizing depths on your Parks Canada Km 82-88 project, I noticed that in the typical sections on the Asphalt Overlay detail that Parks Canada is looking to have the in situ asphalt and granular pulverized to a depth of 400mm. From a capacity perspective, the largest pulverizers or road reclaimers can only process to a maximum depth of 300mm in one pass. Would Parks Canada accept pulverizing to a depth of 300mm versus the requested 400mm.
- A99.** Refer to Section 32 01 16.8 Full Depth Reclamation, Article 3.1.2.
- Q100.** Does Parks Canada expect all PST costs to be excluded from pricing for evaluation? BA03 and the tender form seem to conflict. Will PST be paid as a line item during execution?
- A100.** PST is not to be included in any pricing. PST will be compensated for extra work items where PST is being charged for material or Subcontractor invoices.
- Q101.** Section 01 11 00 Summary of Work, 1.6 Work by Others, 1.6.1.3 Wildlife Overpass (by other) km 84.5 to km 84.6 indicates that others will be building a significant amount of work in the middle of this contract. This project has the potential to significantly impact hauling operations and productivity. In addition the coordination of safety and traffic management will cause potential delays and jeopardize the overall completion date. Will Parks Canada consider including this overpass project with the Twinning project. Alternatively will Parks consider providing some milestone dates for planning purposes?
- A101.** The km 84.5 Wildlife Overpass will not be included with this project. Refer to the Km 84.5 Wildlife Overpass tender package for project milestones available on BuyandSell.gc.ca.
- Q102.** A question about stability analysis: Section 32 32 34, Page 177, Part 1.4.1.7 states “Consider both internal and external stability of wall system in design. External stability to include safety against sliding, overturning, bearing failure, temporary slope stability and global stability”. All of the MSE suppliers are stating that global stability is the responsibility of the owner and do not/will not provide global stability analysis. Can global stability be removed from this clause?
- A102.** Global stability to be confirmed by the Contractor’s Geotechnical Engineer.
- Q103.** Can work be performed 24hrs a day?
- A103.** Refer to Section 01 14 00 Work Restriction Article 1.3.1. Night work will be permitted for blasting operations **only** unless written approval has been given to by the Departmental Representative.
- Q104.** Can we grout and abandon existing culverts rather than remove?
- A104.** Yes.
- Q105.** What bid item will be used to pay for the removal of culverts? Is this covered by the Prime cost sum?
- A105.** Payment for the removal and disposal of culverts shall be made under the project’s Prime Cost Sum. Refer to Section 01 21 00 Allowances Article 1.2.7.
- Q106.** Please provide drainage detail for locations where catch basin is located inline with 900mm culvert. i.e. CB11, CB12, CB18.
- A106.** Refer to Q79 response.
- Q107.** If the required gravel volumes for the project are taken from the onsite cut to be used in constructing the highway will this reduce the 550,000 m3 of surplus or is the gravel quantity in excess of the 550,000m3 coming out of the cut?
- A107.** The gravel volumes are not in excess of the roadway and drainage excavation quantities provided.

Q108. Please confirm that a minimum 50mm asphalt overlay will be required on ALL areas shown on the drawings that are NOT to receive a partial or full depth removal.

A108. A minimum 50mm asphalt top lift will be applied to all areas as shown on the drawings.

Q109. On the cross sections there are areas that neither partial nor full depth removal is required, but the grade is increasing 200 – 300mm. Please advise on how to proceed in these situations.

A109. As directed by the Departmental Representative

Q110. Please confirm the estimated thickness of new asphalt to be placed in areas that partial depth removal (milling) is specified.

A110. The approximate asphalt depth will be 50mm for areas of partial depth removal (milling).

Q111. Please confirm if the new top surface elevations on the cross sections include the future 50mm asphalt lift that will be installed by others.

A111. Yes.

Q112. Amendment 1: Q18 addresses the use of fibres in the Bridge Deck Concrete and Approach slabs. The dosage does not appear to be indicated in DSP2. Should we assume 1 kg / m³, same as the precast barriers ?

A112. Refer to Amendment 03 Tender Revisions.

Q113. Amendment 2: Q45 questioned the Waterproofing area of 593 m² but the tender form was not changed. If the quantity is to remain at 874 m², should the entire approach slab be included?

A113. Refer to Amendment 04 – Bid Price Form Revisions

Q114. Do the rebar unit weight include splices? For example galvanized rebar for the deck is only available in 6m lengths due to the limited size of the galvanizing baths.

A114. Yes

Q115. Amendment 2 Question 45, waterproofing. If the quantity is confirmed as 874, which seems to be the case, I guess this means that Detail 1 on S102 that clearly shows the waterproofing extend only 1 m onto the approach slab is incorrect, but there is no mention of correcting this detail? Please clarify.

A115. Refer to Amendment 04 – Bid Price Form Revisions

Q116. Since the new bridge deck must be poured in one piece, is it acceptable for a temporary detour to go beyond the clearing line and daylight lines on the north side of the highway? If so, can the wider clear zone on the north side of the highway be left as-is after the work is complete?

A116. Refer to Q90 response.

Q117. If a temporary detour on the north side of the highway is used at the above location, this will place the traffic further into the hillside. Please advise contractors if there are any design/specification requirements that will apply to the detour for potential avalanche events.

A117. No.

Q118. Specification 01 35 32: Special Procedures for Traffic Detours, Part 1.4.1 states: "Detours required for this project at km 83.09, 84.9 and 85.95." Km 84.9 is where the Wildlife Overpass (separate contract) is being constructed. Please confirm that detours are only required if the contractor deems them necessary for the construction of the works associated with this contract.

A118. The Wildlife underpass structure located at Km 84.9 is included within the project scope and will require a detour. The design and implementation of detours required to accommodate traffic is the responsibility of the Contractor, subject to the approval of the Departmental Representative.

B. Annex A - Bid Price Form Revisions

If a bidder submits a bid that does not incorporate the changes identified in this amendment, the changes below applied to the bidder's price form to obtain their total bid amount.

Values and quantities revised are in red text below.

1. Lump Sum Price Table

		Km 83 Wildlife Underpass (Bridge)					
	03 20 00	a) Plain Reinforcing - Supply and Place	kg	35,800	\$ _____	\$ _____	
	03 20 00	b) Galvanized Reinforcing - Supply and Place	kg	44,600	\$ _____	\$ _____	
	03 30 00	c) Concrete for Abutments - Supply and Place	m3	251	\$ _____	\$ _____	
17	03 30 00	d) Concrete for Barriers - Supply and Place	m3	22	\$ _____	\$ _____	
	03 30 51	e) Concrete for Deck, Diaphragm and Approach Slabs - Supply and Place	m3	208	\$ _____	\$ _____	
	03 35 00	f) Precast Structural Concrete Girders - Supply and Place	lump sum	1	\$ _____	\$ _____	
	05 12 33	g) Bicycle Rail - Supply and Install	lump sum	1	\$ _____	\$ _____	
	03 50 00	h) Deck Waterproofing	m2	593	\$ _____	\$ _____	

All other terms and conditions remain unchanged.