



TENDER AMENDMENT

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Parks Canada Agency
635 – 8 Avenue S.W., Suite 1300
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The referenced document is hereby amended: unless otherwise indicated, all other terms and conditions of the contract remain the same.

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MODIFICATION D'APPEL D'OFFRES

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Title: Highway 10 Slope Stabilization and Rehabilitation, Riding Mountain National Park		
Solicitation No.: / N° de l'invitation : 5P420-16-5246/A	Amendment No.: / N° de modification de l'invitation : 003	Date: November 16, 2016 Date : 16 novembre 2016
GETS Reference No.: / N° de référence de SEAG : PW-16-00753478		
Solicitation Closes: / L'invitation prend fin :		
At: 02:00 PM	On: November 22, 2016	Time Zone: Mountain Standard Time (MST)
À : 14h00	Le : 22 novembre 2016	Fuseau horaire : Heure normale des Rocheuses (HNR)
Address Inquiries to: / Adresser toute demande de renseignements à : Nicole Levesque-Welch		
Telephone No.: / N° de téléphone : (403) 292-4691	Fax No.: / N° de télécopieur : (403) 292-4475	Email Address: / Courriel : nicole.levesque-welch@pc.gc.ca
TO BE COMPLETED BY THE BIDDER (type or print)		
Vendor/Firm Name – Nom du fournisseur/de l'entrepreneur		
Address - Adresse		
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		
Title - Titre		
Signature		Date



AMENDMENT 003

This amendment is being raised to respond to questions submitted in response to solicitation 5P420-16-5246/A:

A. QUESTIONS AND ANSWERS

Q1. Please define which tasks are required to be completed prior to the Substantial Completion Date of February 24, 2017.

A1. H-pile installation must be completed by February 24, 2017

Q2. What is the cost of the Parks Canada business license, required by all Contractors and Subcontractors?

A2. \$98.10

Q3. 1.4.7 of the Specifications states that "Work on Highway 10 in RMNP is restricted.....from contract start up to October 15, 2016". Please provide a corrected date.

A3. See changes below.

Q4. Are we able to re-use the excavated material for "Till Fill" backfill upslope from the wall and finished grading for downslope of the wall?

A4. Re-use of excavated till material for "till fill" shall be approved by the departmental representative.

Q5. Is it acceptable to place the concrete/grout into the H-Pile shafts using a tremie method (i.e extensions to the concrete pump hose that would reach the bottom of the shaft) without having to use tremie pipe and cone? There will likely not be enough room for the tremie pipe and cone because of the space that the H-pile takes up in the shaft.

A5. Yes, tremie method is acceptable to place the concrete/grout into the H-Pile shafts. H pile could be installed after the concrete backfill is completed (for example, using a continuous flight auger method).

Q6. Under general seeding specs - mulch is listed at 500kg/ha. Should this be 5000kg/ha, which is an industry standard for erosion control application. 500kg/ha would provide no erosion control and seed would wash away with the first rainfall after spraying

A6. See changes below.

Q7. The spec is calling for a soil stabilizer - Soil Master WR. Seeding vendor uses a 100% wood fibre mulch which is specifically engineered for erosion control and contains 10% tackifiers. Would this be acceptable? From the drawings it appears that the sites have less than a 2:1 slope, however the 100% wood fibre mulch with 10% Tac appears to be the right product for this project.

A7. This would be acceptable. Refer to modifications to section 39.92.22 – 3.2.1.

Q8. One of our Piling Vendors would like to know if they could use a W24 X 131 instead of HP 16 X 141 (HP 16 x 141 appears to be difficult to find, and the mill-run order is too small to be placed).

A8. The use of W24x131 instead of HP16x141 is acceptable. All the requirements for H-Pile installation (Specification 31 62 16 H-Pile and Lagging Retaining Wall) shall be met; borehole diameter shall provide a minimum 75 mm clearance around the H-Pile; and a minimum 0.1 m bearing of the lagging at the pile flange shall be required.

Q9. Seeding Vendor is having difficulty finding the fertilizer requested in the specification. They contacted various companies, and were told they do not do custom blends. The fertilizer suppliers suggested that to get close to the 45-25-20 blend, we can use 18-24-12 and supplement with 18-0-0. This combination would give 36-24-12. Would that be acceptable? The specification also calls for 125kg/ha which translates into .92 lbs of N per



1000 sq.ft. The seeding vendor is stating that if they can use the above combination, they can absolutely dial in the .92 of Nitrogen without bumping the P or K.

- A9. Refer to modifications to section 39 92 22. Alternative blends of fertilizer that are aimed to substantially conform to the specification will be acceptable and can be finalized with the Departmental Representative during the pre-construction submittal phase of the project.
- Q10. Regarding the Reinforced Concrete Cap/Coping on the Lagging/Retaining Wall – can each 70 meter section be poured monolithically, or do we have to have construction joints at certain intervals. If construction joints are required, please advise at which intervals along the length of the retaining wall.
- A10. Retaining wall cap design is to be provided by the contractor and approved by the Departmental Representative. Please refer to Specification 31 62 16 H-Pile and Lagging Retaining Wall, section 1.5, subsection 2.
- Q11. Regarding the Reinforced Concrete Cap/Coping on the Lagging/Retaining Wall – what is required for a mechanical connection to the pre-cast concrete lagging? Do we just dowel in at certain intervals?
- A11. Lagging support shall be provided to prevent lagging sliding along the H-piles. Retaining wall cap design, considering the potential expansion/contraction of concrete, is to be provided by the contractor and approved by the Departmental Representative. Either pre-cast concrete cap or cast in place concrete cap would be acceptable.
- Q12. Local suppliers are unable to produce the 0.4 MPA Max Grout. Can we use a higher strength ~ 3 MPA fillcrete, which can certainly flow through the pump to free fall down the hose extension (tremie method)
- A12. Low strength grout is required to ensure the grout can be excavated easily for the lagging installation. Grout with higher strength would be accepted if the lagging installation can be installed to meet the specification.
- Q13. Any objections to the contractor closing the portion of Highway 10 that is between the two work locations and use it as a Laydown area? (we would have proper traffic control measures in-place).
- A13. This is acceptable subject to proper traffic control measures.
- Q14. There appears to be a cul-de-sac type area just south of the work locations (see figure below). Can that be used as a potential staging/laydown area as well?





A14. This area (referred to as “Aggassiz Tower”) is located at km 48.1 approximately 300 metres south of the existing bin wall. The area is available as a staging area for Contractor use. The contractor shall be responsible for maintenance and clean up of area during construction and demobilization period.

Q15. Section 1.3.2 states “Concrete panels are to be attached behind the front flanges of H-Pile”? Please define what kind of connection is required or can we get away without a mechanical connection, as the backfill behind wall will hold the lagging against the front flange of the H-Pile.

A15. Lagging vertical support shall be provided to prevent lagging sliding along the H-piles if there is future soil movement below the lagging panels.

Q16. What sort of coating (if any) is required for the H-Piles, reinforcing steel within the concrete or other embedded items within the lagging? Should we assume that these are bare?

A16. No coating is required for the H-Piles and reinforcing steel.

Q17. Please confirm the quantity of Item Number 6 a) Installation of H-Piles. The estimated quantity in the tender is 40m, but the actual quantity on the drawings is much higher.

A17. Payment is per horizontal metre of completed retaining wall, as per Sec.31 62 16

Q18. We are being told that the HP16x141 type H pile specified for a portion of the project is not available. It appears the largest HP pile available is the HP14x117. Please confirm what type of pile is to be used in place of the piles that are not available.

A18. H piles W24x131 or larger could be used instead of HP16x141. HP14x117 could also be used instead of HP16x141 but the pile spacing would need to be reduced from 2 m to 1.5 m. All piles require a flange width of more than 300 mm for lagging installation

B. MODIFICATION TO SPECIFICATIONS

Under Section 01 14 00 – 1.7.7

Delete the following:

“Work on Highway 10 in RMNP is restricted to daylight hours, between 7:00 am to 10:00 pm seven (7) days a week from Contract start-up to October 15, 2016. The Contractor will not be permitted to work on Civic Holidays or long weekends.”

Replace with:

“The Contractor will not be permitted to work on Civic Holidays or long weekends without prior authorization from the Departmental Representative”

Under Section 39 92 22 – 3.2.1

Delete the following:

- .1 Canada Parks Blend Seed: 100 kg/hectare
- .1 Fertilizer 1: 45-25-20; 125 kg/hectare
- .2 Mulch: 500 kg/hectare
- .3 Soil Stabilizer / Tackifier: Soil Master WR; 1300 litre/hectare
- .4 Water: 30,000 litres, minimum”

Replace with:

- .1 Seed: 100 kg/hectare
- .2 Fertilizer: 300 kg.hectare (45-25-20 or pre-approved equivalent)
- .3 Mulch: 1500 kg/hectare



- .4 Tackifier: As per Manufacturer's Instructions
- .5 Water: 30,000 L/hectare"

All other terms and conditions remain the same.