

## AMENDMENT # 2

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THE FOLLOWING AMENDMENT TO THE TENDER DOCUMENTS IS EFFECTIVE IMMEDIATELY.  
THE AMENDMENT SHALL FORM A PART OF THE CONTRACT DOCUMENTS.  
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### **QUESTION 1:**

Under section 3.2.12, the requirement is to fully grout the free length portion of the anchor after lock off. With the high level of excessive fracturing and noticeable dips in the slip plains, there is a high potential for excessive grout loss on the free length of the anchor.

Can the anchors be two staged resined, with a “very slow set” resin at the bottom and a “slow set” resin at the free length portion of the anchor? This would mean the anchor would be locked off at the desired load within 15 minutes of installation.

### **ANSWER 1:**

Based on our understanding of the set times **we do not approve** this methodology/approach. The specifications notes that All anchors must be tested (performance or proof testing). Each test requires the load to be held for a minimum of 60 minutes. If a resin slow set is used in the free length with a set time of 15 minutes, the test cannot be completed. Consideration may be given to pre-grouting the hole with a subsequent re-drill, where the rock conditions are such that there is a high potential for excessive grout loss.

### **QUESTION 2:**

Under section 3.2.9, it states that the contractor must provide an independent testing company to conduct the testing of rock bolts. Can the contractor perform their own testing of the anchors?

### **ANSWER 2:**

**Yes.** Provided the testing equipment is calibrated with a certificate provided AND the testing is completed under the witness of the Engineer's/PWGSC's site representative. Data will need to be forwarded to the engineer for review and validation that the anchor meets the design criterion.

By submission of its tender, the Tenderer confirms that it has read and understands the requirements expressed in all addenda and has included all costs of these requirements in its Total Tender Amount.

All other terms & conditions remain unchanged.

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