

Poonamalie Dam Phase 3 Catwalk (EQ754-201120/A) ATT.006

Solicitation Amendment No. 002 Questions and Answers

Q1: General Instruction (GI) 1.2.3 advises “No work is permitted within waterway”. Please clarify whether this statement includes proximity to the dam/spillway for the hoisting of materials for erection.

A1: Contractor can use existing access road and parking lot to hoist materials for erection. If the contractor propose other access path, the disturbed lawn/riprap area must be reinstated to the original or better condition.

Q2: Should site investigation reveal that the proximity of overhead power lines, trees and other obstacles which would hinder the overhead swing of crane and materials onto the dam/spillway would PWGSC/TPSGC permit installation from the waterway?

A2: Installation from the waterway is permitted. Submission of transportation and erection plan for PCA Environmental Authority review is required. Refer to spec section 05 50 01 1.4.2 for details.

Q3: Is the waterway under the jurisdiction of the MNRF and will this require MNRF work permitting and fish habitat protection and the application for in water work timing window requirements?

A3: No, the Waterway is not directly under the jurisdiction of the MNRF. PCA has the authority to issue work permits regarding fish habitat protection, including applications for in-water work timing window requirements.

Q4: If MNRF permitting is required has special arrangements been agreed between MNRF & PWGSC/TPSGC to expedite this permit process? Duration for permit issuance as been advised as upwards of 3 months for simple applications and would given the status of this site as Historic effect this timing? Would PWGSC/TPSGC extend the schedule completion date of December 2019 accordingly?

A4: MNRF permitting is not required.

Q5: Metal Fabrications Section 05 50 01 Materials 2.2.6.2 requires guardrails to be finished with black enamel powder coat and 2.2.6.4/2.2.6.5 permits the balance of steel works and gratings to be hot dipped galvanized. For both schedule expediency, functionality and durability would PWGSC/TPSGC accept hot dipped galvanizing for all guardrails in lieu of this black enamel powder coating?

A5: The colour of the guardrail must be black, thus hot-dipped galvanizing will not meet this colour requirement.

Q6: If PWGSC/TPSGC under Metal Fabrications Section 05 50 01 Materials 2.2.6.2 requires guardrails to be finished with black enamel powder coat would PWGSC /TPSGC accept for additional safety measure the changing of the final colour yellow in lieu of black?

A6: The colour of the guardrail cannot be changed.

Q7: Section 02 41 21 – Removals - Item 3.3.1 instructs to removal and sub-item .1 - salvage timber splash boards and sub-item .3 - ten (10) steel brackets and store at location designated by the Departmental Representative. However, in Item 3.4.1 instructs to reinstall all items which were removed as a result of construction activities to the Departmental Representative’s approval sub-item .1 install timber splash board into the new steel splashboard support; and sub-item .2 - install eight (8) steel brackets as indicated; and sub-item .3 – supply new anchoring bolts if existing bolts are damaged.

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- Please provide the details of the existing steel brackets and existing anchoring detail. In addition, sub-item 3.4.1.1 references new steel splash board support. The only new support would be at the new column locations. Please confirm.
- Since the details of these existing brackets original installation, date and current material condition should the Subcontractor's price include the replacement of these existing metal brackets with new galvanized metal brackets? If so, please provide layout details for these metal brackets.
- Please confirm whether the existing timber splash boards will require modifications resulting from the new columns installation and should the existing steel brackets be relocated from the original anchoring location.
- The existing timber splash boards may have been subject to wet conditions the wood fibers are, in effect, softened with the additional moisture, tools are more likely to tear or rip this existing timber splash boards instead of cleanly cutting and tear-out, checking, and gouging is more likely on high moisture content lumber. Should the Subcontractor's price include the replacement of these existing timber splash boards with new timber splash boards? If so, please provide timber specifications.

A7: Please see attached photo for the existing steel brackets and anchors. The only new supports are at the new column locations, thus fit the existing splashboard into these slots and reinstall 8 of the best condition brackets back. Cutting the timber splashboard to fit the span between columns as required. Additional attention is required when saw cut the timber. The replacement of existing metal brackets and timber splash board is not required.



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Q8: Section 01 45 00 Quality Control – Item 1.5.1 requires the Contractor to engage independent 3rd party QC agency. In addition, Section 05 50 01 Metal Fabrications – Item 1.6.1 requires Fabricator to possess the necessary CWB certifications as noted and 1.6.4 requires visual inspection of all welds only. If Fabricator is certified under CWB and has the necessary certified welding inspector in their facility to perform visual inspection of welds, then can this 3rd party independent quality control requirement be eliminated given the extent of this welding work to be performed as covered under 1.6.4?

A8: If the fabricator has the capacity for inspection and submit inspector certification then 3rd party control is not required, but inspection report still need to be submitted, including all field welding.

Q9: Are reinforcement details available of the existing dam/spillway platform area where the new steel columns and steel brackets for splash boards are to be located?

A9: The exact location of the reinforcement detail is unavailable.

Q10: As related to the new anchors installation will PWGSC/TPSGC permit the Contractor to drill through (cut) the exiting reinforcement in order to the new epoxy anchors?

A10: Drill through (cut) the exiting reinforcement is permitted for the installation of the new epoxy anchors.

Q11: Who shall be responsible for snow removal, should this occur, on Salter Lane?

A11: Salter Lane is a private lane and maintained by the owner of the property. PCA Communication team is in contact with the property owner to advice of this upcoming project. Contractor to maintain such road for duration of Contract and make good damage resulting from Contractors' use of roads. (Spec section 01 52 00 1.8.3) Contractor is to confirm with property owner for snow removal on Salter Lane.

Q12: Who shall be responsible for snow removal, should this occur, past the new fence gate along the access road into the new parking area?

A12: Contractor is responsible for snow removal.

Q13: Should tree trimming be required along Salter Lane, in order to permit the access of the crane, will cutting permits be required? If so, to whom and the timing for this approval?

A13: Tree trimming or cutting along Salter Lane, Contractor has to consult with the property owner. PCA Communication team is in contact with the property owner to advice of this upcoming project. For trees within PCA property, Contractor would be responsible for hiring a licenced tree service company and work would be limited to simply trimming what branches are in the way. Any tree removal requires approval from PCA.

Q14: Should tree trimming be required along Salter Lane please advise whether the Contractor is permitted to perform this work or whether a certified arborist shall be required?

A14: For the trees along the Salter Lane contractor consultation with the Property Owner is required. PCA Communication team is in contact with the property owner to advice of this upcoming project. For trees within PCA property, a certified arborist is required.

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Q15: Will PWGS/TPSGC permit Contractor to temporarily anchor a life-line/fall arrest system along the length of the dam/spillway and/or shore to shore?

A15: yes this is permitted, given that the temporary fall arrest system is removed after the work has completed and the concrete is repaired to its original condition. Contractor to submit fall arrest system under Health and Safety plan for review and system needs to be certified or engineered (Spec section 01 35 29 1.6 regulatory requirements).

Q16: As related to the removal of the existing ladder anchors and splashboard brackets replaced by the new columns shall PWGSC/TPSGC permit these existing anchors to be ground flush to the existing concrete?

A16: Contractor is to remove those anchors, clean and seal the holes with grout. Ground flush is not permitted.

Q17: Drawing 101 – Left Wing Wall Plan only identifies new handrail only on the downstream side. On the same plan on the existing concrete deck, opposite side, it identifies existing handrail on both down & up-stream sides. Should the Contractor include handrail on the up-stream side adjacent to the water gauge box in addition to the downstream side?

A 17: No, upstream side guardrail along the concrete wing wall is not required.

Q18: With the up-coming statutory holiday, September 2nd, would it be possible to extend the closing date beyond this current scheduled September 5th date to the following week?

A18: Tendering period is extended to September 10.