

Question 1:	Specification Section 31 32 23 Foundation Grouting, Paragraph 2.1.3.3 Sand states "The Departmental Representative will define when and how much sand shall be added to the grout mix." Because the use of sand will be as directed and the quantity required is unknown, please add a unit price bid item for sand for foundation grouting.
Answer 1:	While we do not expect sand will be systematically added to the mix the contractor must be ready for sand to be added to the mix when request if judged needed up to 2m ³ for permanent works grouting. Sand and incidentals costs to be included in Lumpsum Amount.

Question 2:	Specification Section 31 32 23 Foundation Grouting, Paragraph 2.2.5.3 Source Quality Control. Please identify how many grout cube samples are required to be cast for each grout mix, and the age (i.e. 7, 14 or 28 days) the samples are to be tested at so that testing costs can be included in our pricing.
Answer 2:	Include a minimum 30 grout cube for 7 days for permanent works and anchors. Temporary work grouting quality control to be defined by temporary works design engineer.

Question 3:	Can you please provide the upstream and downstream bathymetric survey in dwg. format?
Answer 3:	The bathymetry cad files are provided for information purposes in xml, civil 3D and AutoCAD formats. It consists of sets of data collected in 2016 and 1964.

Question 4:	Can you clarify the maximum number of sluices to be closed simultaneously for each construction phase?
Answer 4:	All operations of wooden logs for the passage of water are conducted by Parks Canada with the exception of the steel logs of the phase 1 sluices that are operated by the Contractor upon request from Parks Canada. -Phase1: maximum of 5 sluices closed simultaneously outside of high flow period for void treatment and liner installation. Maximum of 3 sluices closed at once for sill lowering. -Phase 2: up to 5 sluices (sluices lowered in phase 1) in operation and 7 sluices closed to act as cofferdam. -Phase 3: up to 6 newly constructed sluices in operation and the 5 sluices lowered in phase 1 are closed to act as a cofferdam.

Question 5:	Can you please clarify the clearance that the contractor needs to maintain on the existing dam from the existing rail location?
Answer 5:	The totality of the deck (rollway of the lifter, log storage area and walking area) is to remain clear except for when performing work. The deck must be cleared as soon as work is done to allow log operations by PCA. Contractor will not be allowed to leave the deck encumbered overnight. Encumbrance required for work must be approved prior to work by the departmental representative.

Question 6:	Section 01 22 10, subsection 1.4.29 refers to item #26 for payment purpose. However, there are no item #26. Please confirm where the contractor is to be paid for the stop log pinning system.
Answer 6:	The pinning system was removed form the project. Division 01 22 10 - Section 1.4.29. Remove section and replace with the following: "Item No. 26 – not used"

Question 7:	Tender drawing #703 shows an upstream temporary in-water footprint for riprap protection to be constructed in phase 2 and phase 3. Please clarify the scope of work to be completed at these locations.
Answer 7:	No work is expected in these areas. Drawing 703 is issued mostly for permitting purposes and will not be amended.

Question 8:	Please confirm that item #25 Erosion protection includes all the rip-rap and the cobblestone shown on tender drawing #704 ?
Answer 8:	Item 25 includes materials 4, 6,8 and 9 on drawing 704. It does not include any material for temporary works.

Question 9:	Please confirm what is the payment limit (surface) for the quantity of item #32 Backfilling and grading ?
Answer 9:	The measurement is based on excavation survey (common and rock excavation) and post installation survey. Excavation beyond that identified in drawing 700 is to be approved by the departmental representative prior to excavation. Excavation, backfilling and grading for temporary work areas is excluded and final grading to original ground elevation is included in item 44: site restoration and landscaping.

Question 10:	Is the sluice concrete demolition in phase 1 included in item #15 Concrete demolition in unit price table ?
Answer 10:	As per section 1.4.5 of division 01 22 10. Phase 1 sill lowering concrete demolition is included in item 2.

Question 11:	Please confirm that item #32 Backfilling and grading includes all material in the legend on tender drawing #704 excluding topsoil, rip rap and cobblestones.
Answer 11:	It includes all materials required for permanent works as described in the drawings including excavation drawings 700.

Question 12:	Tender Drawing #601 is shown to be for "Trent-Severn Waterway, Dam at Lock 25 – Sawers Creek Reconstruction". Can you please confirm that the drawing applies to the Dam at Lock 28 in Burleigh Falls?
Answer 12:	We can confirm that the drawing applies to lock 28 Burleigh falls