

CLARIFICATIONS #003  
Assignment of R.079800.009  
Rideau Canal Jones Falls Locks 39-42 Rehabilitation and Timber Bridge Replacement  
September 4, 2018

**Question 1:** Question for Div 05 subcontractor:

- a. Div 5- Structural Steel – Timber Bridge Replacement
  - i. In reference to the W250 x 49 Cant'l – please advise how the connection is meant to happen to the W530 x 82?
  - ii. In reference to the W250 x 49 Cant'l – if this is correct please provide connection details between the W250 Cant'l and the none Cant'l W250 – Reference Drawing Part B S7
  - iii. Are we to assume standard connections details for the W530 and W250 as no details provide?
  - iv. In reference to the C250 and the L152 are these to be coped on the flanges of the W530?
- b. What is the finish required for the Bearing plates as no details are provided.

**Answer 1:**

- a.
  - i. At plans 16/S7, 17/S7 and 18/S8, W250 member cantilever designation shall be deleted and beams are to frame into sides of W530 beams. In addition to vertical loading, design all W250x49 deck stringer members connections for  $T_f/C_f = 120$  kN axial loading due to wind loading.
  - ii. As per above answer i.
  - iii. Yes, in addition to information provided for answer i.
  - iv. For the C250, the W530 beam end shall be notched to allow the C250 to be continuous. The L152 shall be coped at the W530.
- b. Bearing plate finish is hot dipped galvanized.

**Question 2:** Part 1.6.1.31 of spec section 01 22 01 states that the Part B lump sum price shall include "Item No. L99 - Supply and install bridge steel piles with concrete fill". As per the same spec section this work is included in Part B unit price no. U115 and U116. Please clarify.

**Answer 2:** The lump sum price item L99 shall be deleted as the unit price items U115 and U116 address these items. See Amendment #007.

**Question 3:** Part 1.6.1.22 of spec section 01 22 01 states "Item No. L90 – Supply and install dock upper cribbing, stone fill, stringers, deck boards, and stair." The drawings and specs do not indicate stone fill at the dock cribbing? Should the reference to "stone fill" be deleted?

**Answer 3:** At Detail 50/S12, add the following note, "FOR ALL DOCK CRIBS, REMOVE STONE AS REQUIRED TO COMPLETE WORK. UPON COMPLETION OF CRIB REPAIRS, INSTALL STONE FILL TO U/S OF STRINGER ELEVATION." See Amendment #007.

**Question 4:** Regarding unit price item U29 Partial Depth Concrete Repairs – Horizontal, please confirm the following:

- a. concrete removal is included in item U1?
- b. welded wire mesh is included in U19?
- c. mechanical anchors for welded wire mech is included in U87?

**Answer 4:**

- a. Yes, concrete removal is included in Item U1.
- b. Yes, welded wire mesh is included in U19.
- c. No, mechanical anchors (chairs, supports, etc) for welded wire mech is included in Item U19 – Galvanized Welded Wire Fabric.

**Question 5:** To allow calculation of stoplog quantity for lock 42 as per drawing 53 please provide the approximate sill level at the gains.

**Answer 5:** Stop logs for dewatering Lock 42 will be provide by Parks Canada.

**Question 6:** Please advise what is the difference between Unit Price Item U1 and U3?

**Answer 6:** Item U3 includes the removals of the slab-on-grade (typically located below the gate winches and on-top of the monoliths). Item U1 includes concrete removals for horizontal surfaces which are not on-grade (lock floors, sills, aprons, etc.).

**Question 7:** Please confirm the quantity of unit Price Item U4 and U24 to U27. Item U4 sluice tunnel removal is 10m<sup>3</sup> but U24 to U27 sluice tunnel concrete is 36.4m<sup>3</sup>?

**Answer 7:** Removals in sluice tunnels involve removal of existing concrete and existing masonry. Masonry removals in sluice tunnels are under separate items.