
TENDER QUESTIONS AND ANSWERS

Q1 Reference Appendix 3 Is it a requirement that each specialist position be filled by separate individuals?

Response: It shall be noted there is no restriction that each specialist position be filled by separate individuals provided that all requirements are met.

Q 2 Reference Appendix 3 at 2A- MOVABLE BRIDGE CONSTRUCTION SPECIALIST
The requirement states the following:
"2 ii. Be on-site full time, starting two (2) weeks prior to delivery of any mechanical or electrical equipment to the site except when witnessing factory fabrication, fittings, and testing."

Please clarify the wording "be on-site full time"...?

Response: In clarification, the level of effort and duration for this requirement is that the Movable Bridge Construction Specialist be on site full time when critical field activity related to the contract is taking place. Critical field activities include, but are not limited to: site delivery of all major equipment; traffic gate and barrier demolition, construction, and installations; setting up traffic control and traffic maintenance systems; the bridge winter outages when construction activity is on-going; and start-up, commissioning, and testing (excluding the trial period)-except when witnessing factory fabrication, fittings, and testing. Also whenever the Movable Bridge Construction Specialist is not on-site, a full time on-site construction manager or general foreman shall be required at all times starting two (2) weeks prior to delivery of any mechanical or electrical equipment to the site.

Q 3 Reference Appendix 3 at 4A - SYSTEM COMMISSIONING ADMINISTRATOR
The requirement states the following:
"4 iii. Be fully dedicated to the project and on-site for the entire duration of the construction work."

Please clarify the wording "on-site for the entire duration of the construction work"...?

Response: In clarification, the level of effort and duration for this requirement is that the System Commissioning Administrator be fully dedicated to the project and on-site full time for the start-up and commissioning of all major equipment and systems. Start-up and commission activities include, but are not limited to: traffic gate and barrier commissioning (temporary and final commissioning if applicable); bridge winter outages starting three (3) weeks prior to the scheduled start of on-site commissioning activities; and during start-up, commissioning, testing (excluding the trial period), and balancing.

Q 4 Reference Appendix 3 at 5A - HEAVY MACHINERY SPECIALIST

The requirement states the following:

"5... The specialist will be on-site and responsible for removal of the existing main drive machinery and main drive motors. The specialist will be on-site and responsible for the delivery, installation, alignment, field testing and commissioning of the new drive system machinery and motors..."

Please clarify does the activity include machinery supports and staging?

Response: In clarification, the level of effort and duration for this requirement is that the Heavy Machinery Specialist be on-site and responsible for removal of the existing main drive machinery, machinery supports, and main drive motors. Be on-site for the delivery, staging, installation, alignment, field testing and commissioning of the drive system machinery, machinery supports, and motors.

Q5 Re: LP-7 Please advise the following;

Bus rating

Voltage

Number of circuits

Size, type and quantity of branch breakers

Size and type of main breaker if required

Mounting

AIC

Loading info

Feeder size and type (wire & conduit)

Feed location (from what equipment is power coming to the panel from)

Details of what is required for connection of feeder (disconnect switch, fuse, breaker, location etc) See Drawings: April 2013 Electrical As Built & Burlington Lift Bridge - as Built.

Response: LP-7 is a new panel for the existing roadway lighting controls. The controls are to be reused and relocated to LP-7 as indicated in Note 3 on drawing E-10. PWGSC can furnish as-built drawings for the existing roadway lighting system.

Q6 Please provide specifications for the fibre cables to be contained in the aerial cable construction.

Response: This aerial cable fibre optic cable is for the future CCTV system PWGSC will be installing. PWGSC will need to furnish the specifications for the CCTV fibre optic cable. See Drawings: CCTV

Q7 The PLC architecture drawing E-60 shows a run of fibre from CP-3 in the south tower down to CP-2 in the control house.

The conduit and cables schedules E-86, E-87, E-88 and E-89 do not list this run.

Please advise if this should be included.

Please advise conduit sizing.

Please advise fibre cable details and specifications.

Response: This fibre optic cable is specified and furnished by the manufacturer for the synchlink network as a factory assembled cable. This cable is intended to be run in conduit C019.

Q8 Re; Switchboard 2

Currently there is only room for 2 of the 3 new 600a breakers required.

There is a spare 800A breaker in the board.

Is it the intent to remove the 800A unit and install a 600A unit in it's place?

Response: Yes.

Q9 Re; Vector vfd resistors

Please provide specifications

Response: It is intended for the drive manufacturer to size and furnish the resistors.

Q10 Re; new 1/3 hp Brake motors for 15" brakes

Please provide specifications

Response: The brake motors are integral to the actuators that operate the brakes. The motors are not separate parts. Requirements for the brake actuators are covered under the specifications for the brakes.

Q11 Re; 3 hp blower motors

Please provide specifications

Response: The blower motors are integral to the main drive motors. The motors are not separate parts and are to be furnished by the main drive motor manufacturer.

Q12 Re; 1/2 hp differential lock motors and components

Please provide specifications

Response: The differential lock motors are integral to the actuators that operate the differential clutch. The motors are not separate parts. Requirements for the differential clutch actuators are covered under the specifications for the gearboxes.

Q13 Re; Existing feeder cables running up the south tower.
Are these to be removed or abandoned in place?

Response: These are to be removed.

Q14 Re; New conduit feeders running up the south tower.
Are these conduits to fasten directly onto the existing cable tray?

Response: These conduits are to be on dedicated supports and not fastened to existing tray.

Q15 Re; Cables C-077B and C-078B

Please clarify the size of the interduct to be included in the aerial bundle.
Drawing E-88 calls up a 3/4" for the synchlink fibre
Spec section 26 05 19.23 item 2.3.2 asks for a 2"

Response: A ¾ inch duct is correct. The flexible corrugated duct referenced in Spec 26 05 19.23 - 2.3 is to be a "maximum" diameter of 2 inches and not a "minimum" as written.

Q16 Re; Conduit P016 feed to lighthouse
As we can not find the run shown nor the lighthouse itself we assume this conduit just extends from the new source to the existing conduit

Response: Yes, this conduit extends from the new source to the existing conduit.

Q17 Re; Appendices - Appendix A - Figures
Is there any structural work required on messenger cable support brackets?
Please provide details and spec for any additional brackets etc

Response: No since the main messengers will remain.

Q18 Re; Appendices - Appendix A - Figures
Are we required to lower the catwalks?
Please provide details and spec

Response: No.

Q19 Re; Annex A - Invitation to Tender
"Annex A - Security Requirement Check List (SRCL) - See attachment"
Please advise where this attachment can be found.

Response: Attachment has been posted to Buy & Sell as of 25 October 2013.

Q20 Re; Limitation of Liability - Invitation to Tender

Refers to changes to GC1.6 "Indemnification by the contractor" of R2810D in the supplementary conditions.

Please advise where this can be found.

Response: Page 14

2. The documents identified by title, number and date above are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site:

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>

Q21 Re; Insurance Terms - Invitation to Tender

Refers to supplementary conditions.

Please advise where these documents can be found.

Response: Supplementary Conditions are found on page 12 of the ITT.

The GC5.10 is found under SACC Reference Clause R2850D at:

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Q22 Re; Amendment 3 - Q4

The 4 additional drawings and photograph were not included in the download.

Please advise where these documents can be found.

Response: Attachments issued 29 October 2013 for posting on the Buy & Sell website.

Q23 Is there a limit on the penalty for late completion?

Response: There is no limit. If work goes beyond navigation season and claims are received they will the contractor responsibility.