

## **Addendum No.1**

### **Unit Price Table:**

Replace Appendix 1 – Combined Price Form with Appendix 1 – Combined Price Form (Revised).

Appendix 1 – Combined Price Form (Revised) supersedes any previous versions. Failure to complete Appendix 1 – Combined Price Form (Revised) will rendered the bid submission NON-COMPLIANT.

### **Marine Specifications**

#### **Specification Section 01 11 05 Marine General Instructions**

Replace Section 01 11 05 - Marine General Instructions with Section 01 11 05 - Marine General Instructions - Rev 1

Replace Section 05 50 00 – Metal Fabrications with Section 05 50 00 – Metal Fabrications - Rev 1

### **Electrical Specifications**

#### **Specification Section 01 11 00 - Summary of Work**

Revise Clause 1.1.5.4 of Section 01 11 00 – Summary of Work to read as:

"Demolishing" a single lump sum will include all work required to supply the material, plant, and labour for removal and disposal of the existing timber floats A, B, C & D and the two extended portions of the existing launching pier adjacent to float A, electrical equipment, distribution, cabling and appurtenances other than those suitably deemed for reuse and where noted on the contract documents. The demolishing of all existing works as required to complete the project.

Revise Clause 1.1.5.5 of Section 01 11 00 – Summary of Work to read as:

"Float A" shop drawings, new mechanical & electrical equipment, distribution, cabling and appurtenances, mounting hardware and fasteners will be supplied by the Contractor. Installations on Float A will be paid for as a lump sum inclusive of all labour and incidentals. Measurement for payment for float power and water pedestals, float or grade central distribution panelboards and the concrete pads for the central distribution panelboards where located on grade will be as a lump sum for each inclusive of all materials, labour and equipment.

Revise Clause 1.1.5.6 of Section 01 11 00 – Summary of Work to read as:

"Float B1" shop drawings, new mechanical & electrical equipment, distribution, cabling and appurtenances, mounting hardware and fasteners will be supplied by the Contractor. Installations on Float B1 will be paid for as a lump sum inclusive of all labour and incidentals. Measurement for payment for float power and water pedestals, float or grade central distribution panelboards and the concrete pads for the central distribution panelboards where located on grade will be as a lump sum for each inclusive of all materials, labour and equipment.

Revise Clause 1.1.5.7 of Section 01 11 00 – Summary of Work to read as:

"Float B2" shop drawings, new mechanical & electrical equipment, distribution, cabling and appurtenances, mounting hardware and fasteners will be supplied by the Contractor. Installations on Float B2 will be paid for as a lump sum inclusive of all labour and incidentals. Measurement for payment for float power and water pedestals, float or grade central distribution panelboards and the concrete pads for the central distribution panelboards where located on grade will be as a lump sum for each inclusive of all materials, labour and equipment.

Revise Clause 1.1.5.8 of Section 01 11 00 – Summary of Work to read as:

"Float C" shop drawings, new mechanical & electrical equipment, distribution, cabling and appurtenances, mounting hardware and fasteners will be supplied by the Contractor. Installations on Float C will be paid for as a lump sum inclusive of all labour and incidentals. Measurement for payment for float power and water pedestals, float or grade central distribution panelboards and the concrete pads for the central distribution panelboards where located on grade will be as a lump sum for each inclusive of all materials, labour and equipment.

Revise Clause 1.1.5.9 of Section 01 11 00 – Summary of Work to read as:

"Float D" shop drawings, new mechanical & electrical equipment, distribution, cabling and appurtenances, mounting hardware and fasteners will be supplied by the Contractor. Installations on Float D will be paid for as a lump sum inclusive of all labour and incidentals. Measurement for payment for float power and water pedestals, float or grade central distribution panelboards and the concrete pads for the central distribution panelboards where located on grade will be as a lump sum for each inclusive of all materials, labour and equipment.

Add Clause 1.1.5.11 to Section 01 11 00 – Summary of Work to read:  
Close-Out Documentation, will be as a lump sum inclusive of the Operating and Maintenance Manuals, Record Drawings, Commissioning Reports, Power Studies and all other applicable project documentation which shall be provided prior to the completion of the project.

### **Specification Section 01 61 00 - Products**

Revise Clause 1.3.4 of Section 01 61 00 – Products to read as:  
Where alternate materials or equipment are not listed as "Acceptable Materials" or "Acceptable Products", the Contractor is required to submit the complete alternate product information and data within their tender submission, to illustrate clearly to the facility and for their final review, and that the alternate product will indeed meet or exceed that of the "Acceptable Materials" or "Acceptable Products".

### **Marine Drawings**

#### **Drawing No. 9R306-2-201**

Replace SLI Dwg No. 9R306-2-201\_Rev5 with SLI Dwg No. 9R306-2-201\_Rev6

#### **Drawing No. 9R306-2-206**

Add SLI Dwg No. 9R306-2-206\_Rev0 for pile guide and float fender details

#### **Sketch Titled “Construction Laydown Area – 2016-10-17”**

Add Sketch Titled “Construction Laydown Area – 2016-10-17”

### **Electrical Drawings**

Add drawings No: **Add-E01-Ske01 & Add-E01-Ske02**

### **Mechanical Drawings**

#### **Drawing No. 9R306-2-C-004**

Replace Amec Foster Wheeler Dwg No. 9R306-2-C-004\_Rev3 with Amec Foster Wheeler Dwg No. 9R306-2-C-004\_Rev4

**General Inquiries/Clarifications:**

**Q1:** The electrical tender is currently schedule to close on Oct 20 with BOBS.

As the site meeting was yesterday this does not allow enough time to prepare our tender and work with our suppliers and manufactures. I am requesting a 14 day tender extension. Also we need to look at all the existing panels that get new breakers. We were unable to access the electrical room and view these panel yesterday. Can another site visit be arranged with access to all the electrical rooms?

**A1:** The closing date for the subject solicitation from PWGSC has been extended to November 3, 2016, and the Sub-trade closing with BOBS has been extended accordingly. No additional site visit will be available. However, photos of the existing panels are posted and available on the buyandsell web site.

**Q2:** Please define the paint vs galvanizing requirements as some of the pieces are too large in a solid piece for galvanizing and would require disassembly and welding after galvanizing

**A2:** *All structural steel shall be shop painted, unless otherwise noted, as specified in Section 2.3 and 2.4 of Rev 1 - 05 50 00 - Metal Fabrications Specification attached.*

**Q3:** Is there reinforcing in any of the steel pipe piles other than the ones referenced on page 004 of the DWGs and the CFA series on page 205?

**A3:** Yes, piles with reinforced concrete fill are those referenced on Dwg No. 9R306-2-004\_Rev3 and CFA series piles on Dwg No. 9R306-2-205\_Rev2.

**Q4:** Are the piles painted?

**A4:** No, the piles are not painted.

**Q5:** Are there any sockets below the pile embedment other than those indicated on page 205 as the CFA series?

**A5:** No sockets on the other piles.

**Q6:** Please clarify where the piling can be picked up by the contractor and if these can be accessed by water without multiple handling on land before our crane can reach them. Please identify location of Float B1 for pickup, the site visit seemed to indicate it on site and not in Richmond as documented. Can we verify the locations of all owner supplied materials?

**A6:** See table below for pick-up locations of Owner supplied materials. Specification 01 11 05 Marine General Instructions has been revised to show updated pick up locations and is attached.

<b>Owner Supplied Material</b>	<b>Pick-up Location</b>
Concrete Float B1	Available on the water at: Steveston Harbour Authority 12740 Trites Road, Richmond, BC V7E 3R8.
Float B1 Vehicle Ramp	Delivered to IOS Site, Sidney, BC by fabricator
Float A, B2, C & D timber float components	Available on land at: IOS Site, Sidney, BC
Steel Piles	Available on land and not accessible via water in 2 locations: <ol style="list-style-type: none"> <li>1) 457mm x 12.7mm – 34 pieces x 20m long each stored at 19395 - 98A Avenue, Surrey, BC.</li> <li>2) 508mm x 19.1mm – 20 pieces x 26m long each stored at 1835 Kingsway Avenue, Port Coquitlam, BC.</li> </ol>

**Q7:** Do bidders need to use the bid depository for electrical subs as some bidders are not members of the Local Construction Association?

**A7:** Yes, please refer to Bid Depository requirements listed on Page 1 of the Invitation To Tender document.

**Q8:** Float A gangway is noted as 19922x1830 id -Are these dimensions to be the same for Float C and D gangways as there is no noted dimensions for those gangways in the plans ? If all ramps are different sizes could you please supply floats C and D ramp sizes?

**A8:** Float A, C and D Gangways are to be the same size.

**Q9:** Float 2b gangway, price schedule notes design fab install new gangway, page 201 which shows this area notes to relocate the existing gangway. I wanted to confirm if we are building a new aluminium gangway there? If we are building a new one, are the dimensions shown on page 201 accurate for the new ramp, or as built of the existing?

**A9:** Yes, a new gangway is required for Float B2. SLI Dwg No. 9R306-2-201\_Rev6 has been revised to say, “Gangway” instead of relocated existing gangway. Dimensions provided are for the new gangway. See updated drawing.

**Q10:** Is the mechanical bid to be submitted as a BOBS?

**A10:** For the subject tender requirement, the Mechanical Sub-trade is NOT subject to the Bid Depository requirement. Due to the estimated value of the Electrical Sub-trade work, ONLY the Electrical Sub-trade is subject to the Bid Depository requirement.

**Q11:** Float C states that a 50mm potable waterline is to be installed yet there is an existing 1 1/2 galvanized non potable waterline to connect to. There is details on other pages on replacing additional pipework outside the clouded area. Can you please clarify what is to be included in the bid?

**A11:** Connection to the existing galvanized waterline to the float is required. Provide all adapter pieces to transition the existing to the new 50 mm water line.

**Q12:** Float B1 and B2 states that a 50mm potable waterline is to be installed yet there is an existing 1'' or 1 1/4'' piece of municipal tubing to tie into. Can you please clarify what is to be included in the bid?

**A12:** Contractor to tie-in with existing water line (which goes through the existing sheet pile wall) as per detail A. All of Detail A is in scope.

**Q13:** On drawing C-006 there is a detail B for a pipe chase shown outside of the clouded area but will be required during the installation. Can you please clarify if this should be supplied and the material it should be made out of?

**A13:** Pipe ramp is to be supplied and installed under the Contract. The pipe ramp shall be similar to the one supplied by <http://www.sararamps.co.uk/pphosepiperamp.html> rated for bob cat load

**Q14:** On Float A there is no existing water service to the ramp. There is mention on drawing C-006 that there is to be new gate valves and new RPBP valve, but, it is not in the cloud. Can you please clarify what is to be included in the bid?

**A14:** For existing Float A, there is an existing waterline with RPBP under the concrete slab. Contractor is to extend the existing water line (as shown in the clouded area on drawing) from downstream of the existing RPBP to the new float. The new gate valve and RPBP are not included in the contract. Provide all necessary couplings and fittings to connect the existing to the new waterline.

**Q15:** On Float D drawing C-004 detail 1 there is a reference to teeing the new waterline into the existing waterline under the wharf yet it is not in contract bubble area. Is this to be included as part of the bid? What is the existing pipe material?

**A15:** Yes, Detail 1 is included in the Contract as per the revised drawing C-004. Detail 2 - on Drawing C005 also is applicable and form part of the contract. Similarly allow for Tee Connection as per Detail 2 near existing Kiosk as per Drawing attached. Existing pipe material is galvanized steel but require onsite confirmation prior to project startup

**Q16:** Can you please provide the confined entry procedure for working in the service corridor inside the wharf?

**A16:** Contractor will comply with current Labor Canada Code and Workers' Compensation Board requirement for confined space entry.

**Q17:** Is the new 250 mm fire main and 200 domestic water line to be installed as part of this contract?

**A17:** No they are not to be included in the Contract except for the Firemain extension at two locations where new hydrants are proposed as per detail 2 on Drawing C005

**Q18:** Please review the schedule of quantities in the tender form.

Page 1 is labelled "Mechanical" however row 3 of the table says "Electrical and Mechanical Provisions for Floats A, B1, B2, C, & D"

Page 2 is labelled "Electrical" however all the items listed are mechanical

Is page 1 for electrical pay items and page 2 for mechanical?

**A18:** Please see Appendix 1 – Combined Price Form (Revised)

**Q19:** The area of sea bed to be re profiled in the drawings has public works got the permits for dredging and what is the plan for disposal of the material?

**A19:** There is no permit required for this work and no material is required to be disposed of. This area is primarily rip-rap rock. The area shown on SLI Drawing No. 9R306-02-101\_Rev 5, will be re-profiled to El -1.0m Chart Datum, to ensure clearance under the floats at low tide.

**Q20:** The construction association has requested rules for subcontractors bidding this project, General contractors are allowed to select their own subcontractors as they wish there is no rules making general contractors pick specific subs through the construction association is there?

**A20:** The General Contractor can choose their own subcontractors, or use their own forces for the sub-trades if they have the capability. As indicated in the solicitation document, only the Electrical Sub-trade is subject to the Bid Depository requirement. Please refer to the Bid Depository requirement listed on Page 1 of the Invitation To Tender document.

**Q21:** What is the plan for owner supplied timbers that may be to twisted or warped or damaged for replacement of the timbers?

**A21:** Any damaged material should be brought to the attention of the Department Representative and appropriate action will be taken for repair/replacement. See Section 01 11 05 Part 1.20.6.7

**Q22:** Do the mechanical vaults in the parking lot already exist?

**A22:** We are not proposing any new mechanical vault in the parking lot under this contract

**Q23:** How much moorage space does DFO want to maintain at all times?

**A23:** Clause 1.17.2 of Section 01 1105 of the Marine Specification addresses requirements of moorage requirements.

**Q24:** How much laydown area will contractors be allowed onsite?

**A24:** Please see sketch for the laydown area.  
(Available on Buyandsell.gc.ca under attachments)

**Q25:** We refer you to drawing E500 and details 3, 8 and 9 which show the Teck Cable to be installed within Aluminum Rigid Conduit or Liquid-Tite Flexible Conduit. We have conferred with the Electrical Safety Authority on this wiring method and was referred to Electrical Code Section 12-902 (2) ii which outlines no more than the equivalent of two 90 degree bends with a minimum radii of not less than 0.944 m for cable rated 1000V. The design and installation as outlined on the drawings does not meet with these requirements and the cable loop at the gangways to the floats would not have the tight radius needed when using 4" L TFS. These types of installations have been done with Type G Round cable which is flexible enough for this purpose? Please have the design reviewed for electrical code compliance and respond with an Amendment of Addendum.”

**A25:** To further clarify, for Detail A, on drawing E100 provide a Type G flexible cable (in lieu of TECK90) inside the LTFSC running between the upper pullbox on the wharf side, and supported by the hangar to the pullbox on the float side. Provide cable connectors with internal glands for the LTFSC along with connector grommets at the pullbox.

For Details 1 & 2, on drawing E502 provide two additional S.S. pullboxes mounted at each end, to the underside of the gangway. Provide a Type G cable (in lieu of TECK90) inside the LTFSC running between the upper pullbox on the land side, supported by the hangar to the pullbox under the gangway. Use heavy duty LTFSC (as shown) mounted to the underside of the gangway with TECK90 running between these two additional pullboxes. Provide cable connectors with internal glands for the LTFSC along with connector grommets at the pullbox.

For Detail 8, on drawing E500, provide TECK90 running inside of RGA-RAC, rigid aluminum conduit (in lieu of Aluminum EMT). Conduits to be placed on the top surface of the float deck, with side wall entry into the power pedestals. Provide connector grommets for all exposed connections to pullboxes and pedestals. Final placement of the pedestal to be directed on site, allow for the pedestals to move inboard somewhat, to allow for straight conduit runs on the float deck, near the toe rail. Clearance for the vessel mooring line to the toe rail is required, so final placement of the conduit system & the pedestals is to be mocked-up on site, for final review and approval by the Departmental Representative(s) prior to



executing the work. As referenced elsewhere herein, disregard Detail 9, on drawing E500. All conduit and pullboxes are to be mounted on S.S. Cantruss supports to elevate the conduits and boxes from any standing water. This installation method is typical for all timber floats.

For the concrete float 'B', install the TECK90 feeders inside either RGA-RAC conduit or LTFSC (at the discretion of the contractor) running in the precast services channel of the float. Provide additional S.S. pullboxes located in the channel, where required to suit bending. All conduit and pullboxes are to be mounted on S.S. Cantruss supports to elevate the conduits and boxes from any standing water.

**Q26:** We refer you to specification Section 26 11 12 - Power System Study. Will DFO and PWGSC be providing the existing Breaker make and models, Panelboard short circuit ratings, feeder cable lengths, Transformer %Z, Motor ratings and Disconnect Switch ratings so the Coordination Study can be accurately provided. It would be difficult for the electrical contractor to find this equipment, get access and obtain the information on energized systems or establish cable lengths with a building of this age and many upgrades and renovations over the years? Please respond by an Addendum to this request.

**A26:** The Departmental Representative will provide the above listed datum for the existing site services to assist with the Power System Study.

**Q27:** Plan E501 - Detail "3/E501" refers to SSC approved contractors. Please provide a list of approved SSC contractors. For fairness to all bidding electrical contractors it may be best to issue cash allowance for this work

**A27:** "Cash Allowances are not permitted under PWGSC tendering guidelines. The SSC approved contractor for the IOS facility is:

PR. BRIDGE SYSTEMS LTD. c/o C. Waterman  
#108-455 BANGA PLACE  
VICTORIA, BC  
V8Z 6X5  
TEL: 250-475-3766 EXT. 203  
FAX: 250-475-3725

This approved contractor is in receipt of the contract documents and will provide a budget for the telecom services to the submitting bidders."

**Q28:** Plan E602 – Where is new Kiosk #2, shown on one-line, located? Is it located in existing Kiosk #2, Plan E103 north wharf?

**A28:** Yes, appurtenances for Kiosk #2 to be located in the existing wharf enclosure, Kiosk #2.

**Q29:** Section 26 42 00 Cathodic Protection – 3.1 says install system as indicated. Which Plan and detail shows this work? If Cathodic Protection is required please provide details

**A29:** The cathodic protection will not be required.

**Q30:** Section 33 71 73.02 3.2.1 – refers to 25 kV feeder from main electrical room to (substation #1). What plan and detail shows this work ?

**A30:** Disregard the reference to a HV feeder. This is not a requirement at this time. Refer to drawing Single-Line Diagram for the float LV feeders.

**Q31:** Appendix A 1.9 Spares – Please provide project specific list of what spare parts are to be supplied? Example: new breakers for several existing panels are to be installed. Are spares to be provided for these panels? Specific list of required spare breakers and parts should be provided

**A31:** Correct. Provide one spare supply breaker, corresponding size to the provided supply breaker (in each of the existing panels) for each new subdistribution panel feeds only. Provide listed spare breakers for the pedestal mounted panelboards. Refer to the Single Line Diagram as required.

**Q32:** There are several notes throughout the drawings (example: E101 note 2) that indicate Teck cable is to be installed in LTFSC under the floats. The same notes refer to detail “8/E-500”. This detail shows Teck cable in Aluminum EMT on surface of Float. Detail “9/E-500” indicates TECK cable in LTFSC under Floats. Spec 26 05 34 2.2 Says - Aluminum EMT on surface of Float, as indicated on drawings. All drawing notes say teck cable is to be installed in LTFSC under the floats. Please provide clarification on how the Teck Cable should be installed. Please confirm the permitted use of Teck cable and LTFSC. You may find the suggested installation method is in contradiction of the electrical code

**A32:** To clarify, all electrical services are to run on the top surface of the float deck. Ignore drawing detail showing services below the float deck. TECK90 cabling to be run within Aluminum conduit for mechanical protection of the cable. Conduit to be supported on SS Cantruss supports.

**Q33:** Please confirm that as per spec 26.05.21.2.2.8, we are to use “explosion proof” connectors on all teck cables.

**A33:** Correct. Explosion-proof TECK connectors are a requirement for marine installations to reduce conductor corrosion.

**Q34:** E100, detail 2, please indicate preferred method of support for float D, one bracket with possible 7 cables or 7 independent brackets, one for each cable.

**A34:** One larger bracket to support multiple cables could be used where possible.

**Q35:** E101 indicates a new 103mm RPVC conduit for communications, however it is not shown on drawing E100. Please confirm that it is to be installed.

**A35:** Provide a 103mm RPVC underground for communications, shown on E101 running to the wharf service tunnel abutment. Transition to 103mm RGS on a new heavy-duty, galvanized conduit support running within the existing wharf service tunnel. Core concrete access as required.

**Q36:** E102, please confirm the conduits from Sub4 to Float C are new conduits and not the existing ones

**A36:** Yes, the 3@ 103mm PWR & 2@ 103mm COM conduits running underground to float 'C' are new. Also, refer to the added drawing "Detail 2 – Concrete Trench Detail (Indicative)". See the clouded areas of the drawing where it is anticipated that the concrete trenching will be required. Refer to sketches Add-E01-Ske01 & Add-E01-Ske02, included with this Addendum No. 1.

**Q37:** E102, Note 16 indicates all lighting to be supplied from Sub 6, is there an existing pathway from all floats to Sub 6 or does one need to be installed

**A37:** Provide a dedicated 63mm lighting conduit running between the new u/g power pull boxes for floats B, & C, then running home to the existing Substation 6 building. Transition to 63mm RGS on the shared heavy-duty, galvanized conduit support running within the existing wharf service tunnel.

**Q38:** E103, Kiosk#2, the Kiosk is not large enough to house all equipment that has been specified. Is a cash allowance an acceptable way of dealing with this kiosk.

**A38:** Cash Allowances are not permitted under PWGSC tendering guidelines. Overbuild the existing kiosk #2 enclosure where/ if required. Provide an additional S.S. NEMA 3R enclosure, sized to suit the remaining appurtenances. Mount S.S. enclosure to the top, side or rear of the existing kiosk.

**Q39:** E500, between detail 8 and 9 the more expensive option is detail 9, the use of steel core LTFC

**A39:** Disregard reference to Detail 9. Electrical and communication services to be run on the top surface of the float deck, per Detail 8.

**Q40:** E501, please indicate the location of Com pull box C3 and C4

**A40:** Disregard labelling reference to the communication pullboxes. Detail 3 on drawing E501 is considered indicative. Final provisions and locations of all communications equipment and infrastructure shall be designed by the SBC approved contractor.

**Q41:** E602, the only notes regarding new breakers are for the 480v and 120v, please indicate if we are to provide new breakers for the 600v as well.

**A41:** Yes, provide all new breakers at the 600V, 480V & 208V level, as shown in bold on the Single Line Diagram.

**Q42:** E700, PNL FLD does not indicate a combo panel with a main breaker, E602 does indicate a main breaker, please confirm

**A42:** Panelboard '2CDP-FLD' to be a combination panelboard, per the Single Line Diagram.

**Q43:** E700, Pedestal schedule indicates one RJ45 data per pedestal, but, E501 note 15,17 asks for two cable runs per pedestal. Please confirm that we are running two cables but only terminating one.

**A43:** Yes, provide two cables (one is a spare for redundancy or future use), then terminate & test one cable. Coordinate with the preferred site vendor for the type of marine connector prior to rough-in.

**Q44:** Spec Section 26 11 10 2.1 .11 refers to Metering Provisions (Optional). I cannot find any requirement for Metering on the plans. Please confirm Metering is not required

**A44:** The Standard of Acceptance product is capable of integral metering. However, metering provisions are not required at this time, disregard requirement.

**Q45:** Regarding Section 26 11 10 Outdoor Power Pedestals item .14 Standard of Acceptance. As the electrical pricing is being submitted electronically through BOBS it is not feasible to have alternate manufacturers submitting proponents within the tender submissions. Any alternate manufacturers should submit their proposals prior to tender closing with enough adequate time for Stantec to review and then be named as an approved alternate so the electrical contractors are not accepting any risk for a manufacturer that may not get approval? Can you please provide the contact person and email address for these submissions

**A45:** All submissions are to be sent to the Contracting Officer named on the invitation to Tender document prior to tender closing date. Also see note on replacing Clause 1.3.4 of Section 01 61 00 of the Electrical Specification.

**Q46:** We refer you to drawings E100 Note 6, drawing E103 note 3 and drawing E501 – Detail I pertaining to the moveable concrete plates on top of Pier at the South and North Wharf, and the un-caulking and re-caulking of same. This is clearly not electrical work and it is not outlined anywhere in the specifications. Can you please have an Addendum issued which would outline the cost of this work to be covered by the Marine Contractor?

**A46:** To further clarify, access to the existing wharf service tunnel to facilitate the installation of new electrical services (i.e. cable tray, conduit, cabling, etc.) MAY require the lifting of several existing wharf concrete decking covers. Where the contractor is able to bring electrical materials in through fewer openings this would minimize any potential for damage to the existing covers. As this work is associated with the electrical installation only, the electrical subcontractor is responsible for the work, lifting apparatus, reinstatement of sealing's, remediation, etc., as described in the contract documents and is not to be considered the work of the marine contractor.

**Q47:** We refer you to electrical drawing E103 Note 4, E501 Detail 3 with the communication cable splices and product and drawing E502 Note 14. In all these cases they are referring to communication cables and products to be installed. But section 01 11 00 Summary of Work Part 1.1.3 it states "The contractor shall provide the conduit infrastructure and all coordination effort required for the future telecommunication upgrades that are to be performed by the facilities preferred Contractor under a separate contract". It goes on to state "The work must be free of defects so as not to damage cabling and materials being installed by others." Please clarify in an Addendum that this project is for conduit and raceways only for the communication system, if in fact that is the intention.

**A47:** To further clarify, the telecom work of this contract is to supply a complete and functional communications system to the float pedestals. It is suggested that the bidders contact the facility's approved contractor (BRIDGE SYSTEMS) to delineate their overall scope of work and carry all costs for the remaining work, in the tender submission. The electrical subcontractor shall be responsible for coordinating all of the associated work requirements to the satisfaction of the approved contractor.

**Q48:** E502, Note 5: Design, fabricate and seismic sign off of aluminum structure and brackets. Please confirm or provide and Pre Bid Interpretation that indicates this is included or excluded from electrical bid.

**A48:** Per the drawing notation, include this required work with the electrical bid.

**Q49:** Plan E602 – Are the three 200-Amp 3P and two 400-Amp 3P Circuit Breakers in the existing Distribution Panel located in “S-6” new or existing? If new what KA rating is required for the new circuit breakers? What type, model number and manufacture of circuit breaker are required? Plan E601 also requires new circuit breaker in existing Panel. Please provide circuit breaker details. If a detailed requirement for new circuit breakers in existing panels is not available maybe a cash allowance could be issued for this work

**A49:** Cash Allowances are not permitted under PWGSC tendering guidelines. Distribution panel within S-6 is existing. Refer to the separate image file(s) (PDF) for detailed photographs at each substation location: Substation 4, 5 & 6, included with this addendum.

**Q50:** Plan E600 – Existing Panel “CG”. Does this get replaced with new Pedestal “CG”?

**A50:** Correct. Panel and enclosure are to be replaced.

**Q51:** Plan E500 Detail 6 – This detail says to mount new LED Lighting on existing Pedestals. It also refers you to detail “5/E501”. Plan E500 detail 5 shows new pole beside new Pedestals. Several notes (example E101 note 13, indicates new lighting pole is mounted on new Pedestals. Please confirm how and where new lighting pole are to be installed

**A51:** Existing LED post-top luminaires, located on the demolished power pedestals are to be reused, cleaned and tested. Mount the luminaire head on a new post & mounting bracket assembly, per the drawing detail, locate post beside the new power pedestals, on the new floats. Where required, provide new, matching luminaire heads and posts to suit the overall arrangement on the remainder of the new floats.

**Q52:** Specification Section 01 61 00 1.3.4, Acceptable Products and 26 11 10 2.1.14, Standard of Acceptance says alternate manufactures may be offered within tenders. It also says “failure to comply will disqualify the proponents’ submission”. To remove the risk of a “disqualification” and in “fairness” to all manufactures alternate manufactures should be reviewed and approved before tender closes

**A52:** See answer to question #45.

**Q53:** Plan E102 - Note 3 and Note 5 both indicate Distribution Panel on Float B1. Are there two panels in this location? Plan E600 shows panel “2CDP-FLB” only. What is the second panel for ?

**A53:** For Float B1, ignore reverence to drawing notation 3, only notation 5 is applicable to this float, one CDP (2CDP-FLB) is required, per the Single Line Diagram.

**Q54:** There is reference to using shared services Canada (SSC) for the comms work on drawing E501 (3E501). Is there a list of contractors we can get access to please.

**A54:** See answer to question #27.

**Q55:** Section 26.42.00 Cathodic Protection. There are no details either in the spec or on drawing regarding this section.

**A55:** See answer to question #29.

### **End of Addendum No.1**

All revised versions of the specifications, revised versions of the drawings, revised Unit Price Table, photographs of Substations 4, 5 & 6, and other related documents referenced in Addendum No. 1 are available on the Buyandsell.gc.ca website as attachment files.

<https://buyandsell.gc.ca/procurement-data/tender-notice/PW-PWY-019-7881>