May 6, 2016

TO: PLANHOLDERS

SUBJECT: PIER 4 PHASE 2 RECONFIGURATION
PROJECT NO. 091251
CONTRACT NO. 070136

ADDENDUM NUMBER FOUR

This addendum is issued to amend the following:

SPECIFICATIONS

A. 00 73 16 - INSURANCE REQUIREMENTS
   1. REVISE the last sentence in the paragraph following 1.03 F to read as follows:
      … Contractor is responsible for ensuring subcontractors at all tiers have the appropriate USL&H and Jones Act Coverage as applicable for the project.

B. 26 01 26 ACCEPTANCE TESTING OF ELECTRICAL SYSTEMS
   1. REVISE the last sentence of paragraph 1.04.A to read as follows:
      A. The Testing Firm shall meet Washington State Department of Labor and Industries criteria for accreditation of testing laboratories, for electrical product testing, and shall be accredited by the InterNational Electrical Testing Association (NETA).

C. 33 71 19 ELECTRICAL UNDERGROUND DUCTS AND MANHOLES
   1. ADD the following sentence to end of paragraph 2.05.F:
      F … for all wheel load requirements for electrical and communications manholes/vaults. Allowable soil bearing capacity is 2,000 PSF.

D. 33 77 00 MEDIUM VOLTAGE SWITCHGEAR AND PROTECTION DEVICES
   1. REVISE the first sentence in paragraph 1.02.B to read as follows:
      B. …compartments, complete with copper bus throughout the switchgear line-up, excluding the standalone 15kV, 1200A switch
   2. ADD paragraph 1.03.C to read as follows:
      C. Submit factory test results for the switchgear after installation within the PDSE. Submit certified production test reports indicating satisfactory completion of all inspection and test procedures.
3. **REVISE** paragraph 2.04.S to read as follows:
   S. All equipment shall be functionally tested after installation within the PDSE. **Test results shall be submitted to the Port.**

4. **REVISE** paragraph 2.04.T to read as follows:
   T. …inspection and test procedures shall be available upon request submitted to the Port.

5. **REVISE** paragraph 2.09.A to read as follows:
   A. …, with incoming lugs for underground service and custom 1200 Amp copper bus for load side connection to attached adjacent metal clad switchgear…

E. 07 54 19.01 POLYVINYL-CHLORIDE (PVC) ROOFING

1. **ADD** to paragraph 2.03.A.1 the following manufacturer:
   f. Soprema, Inc

2. **REVISE** paragraph 2.06.A to read as follows:
   A. Self-Adhering-Sheet Vapor Retarder (Roof Type A only): Also noted as “Interim Roofing”…

3. **ADD** the following to paragraph 2.06 as follows:
   C. Torch Applied Vapor Retarder (Roof Type B only): Also noted as “Interim Roofing” on Drawings. ASTM D6163, torch grade modified bitumen vapor retarder, non-woven polyester mat impregnated and coated with styrene-butadiene-styrene (SBS) modified bitumen, minimum 85-mils total thickness; top surface is covered with a mineral parting agent, back surface is covered with a polyolefin burn-off film. Install as recommended by manufacturer.

DRAWINGS

A. **DRAWING C6.3 UTILITY PLAN – SHEET 3 (SHEET 90)**

1. **DELETE** callout specifying BEGIN COMMON TRENCH at Sta 21+04.96 as denoted in Exhibit A. (See Attachment A to this Addendum No. 04).

2. **DELETE** 4”x4”x4” Tee at Sta. 59+64.60 as denoted in Exhibit A. (See Attachment A to this Addendum No. 04).

3. **ADD** coordinates at Sta. 21+03.17 as denoted in Exhibit A. (See Attachment A to this Addendum No. 04).

B. **DRAWING E3.5 – ELECTRICAL PLAN – SHEET 3 (SHEET 131)**

1. **REPLACE** entire Key Note #8 with the following:
   1. Provide 600A/3P circuit breaker in Switchboard #1 at Substation #3 (#8431). Breaker to be Siemens Sentron Series, 50000 AIC rating at 480V. Contractor to change adjustable trip setting dial of 1600A main circuit breaker from 400A to 800A.
C. DRAWING E3.6 – ENLARGED ELECTRICAL PLAN – SUBSTATION #8410 (SHEET 132)

1. REVISE Key Note 2 as follows:

   2. PROVIDE MINIMUM 9" ABOVE FINISHED GRADE, RE-BAR REINFORCED, CONCRETE PAD BELOW SWITCHGEAR BUILDING PDSE SWITCHGEAR ENCLOSURE. SEE SPECIFICATION 33 77 00, PARAGRAPH 2.04, FOR PDSE REQUIREMENTS. PROVIDE BLOCK-OUTS IN CONCRETE PAD BELOW SWITCHGEAR FOR CONDUIT ACCESS. CONTRACTOR AS PART OF THE SHOP DRAWINGS SHALL PROVIDE CONCRETE PAD SUBMITTAL THAT HAS BEEN DESIGNED AND STAMPED BY THE STRUCTURAL ENGINEER. SEE SPECIFICATIONS … (See Attachment B to this Addendum No. 04)

2. ADD underground conduit and cable between 15KV Main Switch and the switchgear. (See Attachment B to this Addendum No. 04)

D. DRAWING E6.7 – ELECTRICAL DETAILS (SHEET 146)

1. ADD fiber optic cables and splice enclosures in crane vault for terminating fiber optic cables. See key note #8 and Detail 1 Crane Power Vault Plan. (See Attachment C to this Addendum No. 04)

E. DRAWING E6.20 – VAULTS AND HANDHOLE SCHEDULE (SHEET 159)

1. ADD size for vault #SDV23. (See Attachment D to this Addendum No. 04)

F. DRAWING E8.2 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 166)

1. ADD conduit and cable requirements for conduit PD25 and fiber optic cables to conduits indicated. (See Attachment E to this Addendum No. 04)

Receipt for this addendum shall be indicated in the space provided in Section 00 41 00, Bid Form.

END OF SECTION

ATTACHMENTS:

ATTACHMENT A - Exhibit A (Excerpt From C6.3 Utility Plan – Sheet 3)
ATTACHMENT B - Drawing E3.6 – Enlarged Electrical Plan – Substation #8410 (Sheet 132)
ATTACHMENT C - Drawing E6.7 – Electrical Details (Sheet 146)
ATTACHMENT D - Drawing E6.20 – Vaults and Handhole Schedule (Sheet 159)
ATTACHMENT E - Drawing E8.2 – Conduit and Conductor Schedule (Sheet 166)
### VAULTS AND HANDRAIL SCHEDULE

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### SCHEDULE NOTES

1. **TS and RPatri**
2. **PROD**. Wall for raised stance, painted on base of vault directly below. Minimum 1" high lettering.
3. **VAULT WITH TRANSFORMER COVER**
4. **SEE INSTRUCTIONAL DRAWINGS FOR DIMENSIONS AND DETAILS**
5. **VAULT TO BE PER TACOMA POWER REQUIREMENTS**
6. **SEE SHEET 2791 FOR TYPICAL VAULT DETAILS**
7. **SEE SPEC SECTION 23 71 "ELECTRICAL UNDERGROUND DUCTS AND HANDRAILS" RECORDED FROM EXTENDING AND/OR URN HINGES.**