May 11, 2016

TO: PLANHOLDERS

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

ADDENDUM NUMBER FIVE

This addendum is issued to amend the following:

SPECIFICATIONS

A. 03 30 00 – CAST-IN-PLACE CONCRETE

1. REVISE section 2.01.B.4 to read as follows:

   4. Fly ash, if used, shall meet the requirements of ASTM C 618, Type F, with the added provision that the loss on ignition shall not exceed ± 1.5 percent, and that the fly ash is stored in a separate silo from the cement. Split bins are not acceptable.

B. 03 40 00 – PRECAST CONCRETE

1. ADD the following to 1.03 REFERENCE STANDARDS:


2. ADD the following to 1.05 SUBMITTALS:

   I. If Self-Consolidating Concrete (SCC) is to be used for precast deck panels and piling, then submit evidence of the precast plant’s use of SCC in the production of precast deck panels or piling on at least 3 previous projects performed within the past 5 years.

3. REVISE 1.05.D to read as follows:

   D. Proposed concrete mix design, indicating material contents per cubic yard including test certificates for compressive strength, yield, air content, slump, admixtures, etc. Include manufacturer's data sheets for all proposed admixtures, release agents, curing compounds, epoxy grout, etc. If Self-Consolidating Concrete (SCC) is used for the deck panels or piling, then also include test results as specified per Section 6-02.3(2)A2 of the 2016 WSDOT Standard Specifications. See Section 03 30 00 – Cast-in-Place Concrete.
4. **ADD** the following to paragraph 2.01 CONCRETE:

   D. The use of Self-Consolidating Concrete (SCC) is permitted for precast deck panels and piling provided that the mix proportions, performance, and strength requirements specified herein are achieved and in accordance with the following:
   1. SCC shall be as defined in Section 6-02.3(2)A2 of the 2016 WSDOT Standard Specifications.
   2. The concrete mix submittal for SCC shall include the items specified in Section 6-02.3(2)A2 of the 2016 WSDOT Standard Specifications.
   3. The maximum slump requirements specified in Section 03 30 00 CAST-IN-PLACE CONCRETE do not apply to SCC and are instead replaced by the target slump flow and slump flow range specified as part of the SCC mix design.
   4. Type III cement may be used in SCC.

5. **ADD** the following to 3.01 FABRICATION:

   L. Vibration of SCC shall only be used as described in Section 6-02.3(9) of the 2016 WSDOT Standard Specifications, or as approved by the Engineer.

C. **34 11 13 – TRACK RAILS**

   1. **DELETE** the last sentence of paragraph 3.02.A as follows:

      A. … shall be installed for all field welds. Provide a full-time onsite Certified Welding Inspector (CWI) for all welding.

D. **35 42 37 – RIRAP SLOPE PROTECTION**

   1. **REVISE** paragraph 2.04 to read as follows:

      A. Filter Blanket material shall be crushed rock manufactured from rock of the same quality as rock for riprap, meeting the gradation requirements for “Gravel Borrow” as defined in Section 9-03.14(1) of the WSDOT Standard Specifications, except that percent passing the No. 200 sieve shall be 2 percent maximum, and the sand equivalent criteria shall not apply.

E. **07 22 70.01 - FALL PROTECTION DEVICES**

   1. **ADD** to paragraph 2.01.A the following manufacturer:

      A. Provide fall protection system manufactured by GUARDIAN FALL PROTECTION INC., 6305 South 231st Street Kent, WA, phone 800-670-7892; or CRA Commercial Roof Anchor manufactured by Super Anchor Safety, 8522 – 216th Street SE Woodinville, WA., phone 425-488-8868, or equal.

F. **08 41 13.01 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS**

   1. **ADD** to paragraph 2.02.A the following manufacturer:

      4. Oldcastle Building Envelope – Series 3000 Thermal Multiplane
G. 23 09 00.01 – STAND ALONE CONTROLS

1. REVISE title of paragraph 1.02 to read as follows:
   1.02. SCOPE OF WORK APPROVED MANUFACTURERS

2. REVISE paragraph 1.02.A to read as follows:
   A. Scope of Work: Under the base bids, the controls as specified under Section 23 09 00 will be added to the project scope of work as separate bid and pricing package. The following Stand Alone Controls manufacturer are …

DRAWINGS

A. DRAWING E3.3 – ELECTRICAL PLAN - SHEET 1 (SHEET 129)
   1. DELETE conduits WS174, WS185, and WS196 from key note #6 as denoted. (See Attachment A to this Addendum No. 05)

B. DRAWING E8.4 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 168)
   1. REVISE the vault designation in the “TO” column for conduit SD62 to “SDV23” as denoted. (See Attachment B to this Addendum No. 05)

C. DRAWING E8.5 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 169)
   1. REVISE the vault designation in the “TO” column for conduits SL101, SL102, and SL103 to “SDV23” as denoted. (See Attachment C to this Addendum No. 05)

D. DRAWING S13.1 SHEET PILE WALL CAP BEAM SECTIONS AND DETAILS (SHEET 253)
   1. REVISE Detail D Sheet Pile Section as denoted. (See Attachment D to this Addendum No. 05).

E. DRAWING S14.1 – STEEL SHEET PILE DETAILS (SHEET 379)
   1. REVISE Section A as denoted. (See Attachment E to this Addendum No. 05).

F. DRAWING M1.02 – MARINE BUILDING SCHEDULES (SHEET 471)
   1. ADD note 6 to Notes For Rooftop Packaged Unit Schedule, apply to RPU-1 and RPU-2 under the Remarks column to read as follows:
      6. Unit shall be provided with Trane Heresite VR502 marine coated coils or approved alternate.

   2. ADD note 7 to Notes For Rooftop Packaged Unit Schedule, apply to RPU-2 under the Remarks column to read as follows:
      7. Unit shall be provided with powered exhaust.

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

END OF SECTION
ATTACHMENTS:
ATTACHMENT A - DRAWING E3.3 – ELECTRICAL PLAN - SHEET 1 (SHEET 129)
ATTACHMENT B - DRAWING E8.4 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 168)
ATTACHMENT C - DRAWING E8.5 – CONDUIT AND CONDUCTOR SCHEDULE (SHEET 169)
ATTACHMENT D - DRAWING S13.1 - SHEET PILE WALL CAP BEAM SECTIONS AND DETAILS (SHEET 253)
ATTACHMENT E - DRAWING S14.1 – STEEL SHEET PILE DETAILS (SHEET 379)
## Conduit and Conductor Schedule

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### General Notes
1. See drawing E8.4 for legend and general notes.

## Schedule Key Notes
- See separate high rise terminal MTP system project drawings for communication conductors and MTP plane, Port of Tacoma job #0033-04.
- PVC Schedule 80.
- GRS Conduct.
- Conductors cut, abandoned in place.
- Coordinate work with Tacoma power.
- Provide liquid tight flexible metal conduit at all light post locations.
- Liquid tight flexible metal conduit.
- Circuit (Conduit) numbers from terminal 4 & 4 redevelop project, contract no. 7635.
- PVC coated GRS conduit.
- Expand duct bank to vault #1.
- Conduit to contain lift station float cables. Cables furnished with lift station, installed by contractor.