



Addendum No. 3

Glendale Water Treatment Facility Generator Additions

TMWA Bid No.: 2018-001

TMWA Capital Project No.: 11-0013

September 7, 2017

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. The bid date and time and construction schedule remain the same.

QUESTIONS, RESPONSES AND CLARIFICATIONS

- A. Question No. 1:** Please clarify the types of conduit to be used at both the IPS & HEPS Buildings? The general requirements on sheet E1, No.11 calls for GRC, and specifications 260533-3 (3.1 Raceway application) allows for EMT indoors not subject to physical damage. If EMT is acceptable indoors, please also confirm it is allowed for the 4,160V circuit?

Response to Question No. 1: GRC (Galvanized Rigid Conduit), as referenced in Technical Specification 260533 Raceways and Boxes for Electrical Systems, and RMC (Rigid Metallic Conduit) – Rigid Galvanized Steel, as referenced in Drawing E1, are the same material. Please reference Technical Specifications revision included as part of this addendum below for required project conduit materials.

Question No. 2: Please clarify the equipment being provided with the 4160V generator? Sheet E8, detail E & F, shows 3/16 Diamond Plate and 6 x 12 x 3/4 neoprene gaskets, is this material being provided by the generator supplier? On drawing S1 there are anchor details for the ATS and 300KW generator at the IPS building, there are no anchoring details provided for the 1,500KW generator. If anchoring is required, please provide a detail with the required anchors and quantity?

Response to Question No. 2: The 3/16" Diamond Plate is part of the 1,600 (1,500) kW Generator and is therefore, being supplied by Truckee Meadows Water Authority. The 6" x 12" x 3/4" Pads, identified in details E and G on Drawing E8, will be supplied and placed by Truckee Meadows Water Authority through the generator supplier. The "Expanding Foam Seal Rodent Barrier" identified in detail F on Drawing E8 will be supplied and placed by Truckee Meadows Water Authority through the generator supplier. Contractor shall coordinate placement of the pads and expanding foam with the generator supplier prior to

installing the generator in the concrete foundation. Anchoring of the 1,600 (1,500) kW generator is not required.

Question No. 3: Fueling and startup of the generator. Please confirm TMWA will be fueling the generators and providing the startup services for the generators?

Response to Question No. 3: Yes, Truckee Meadows Water Authority will be fueling and providing startup services for both generators.

Question No. 4: I am looking for a clarification on the new generator staging locations as it is my understanding from the gals on the walk for us that they would be delivered to site by TMWA. So can we assume this will be within 100' of the new locations for crane purposes or will they need to get put back on trucks and brought to within that distance?

Response to Question No. 4: Reference Parts 1.1 and 1.2 of Technical Specification 01 35 13 Special Project Procedures.

Question No. 5: Other note I needed to verify for scheduling was the de-energizing and disconnect of the existing unit(generator) can not take place till after the 1st of Dec. ? Is that a date (1/12/17) that this needs to take place or shortly there after with coordination with your project manager?

Response to Question No. 5: Reference Part 1.6 of Technical Specification 01 35 13 Special Project Procedures.

B. Technical Specifications:

REPLACE Parts 3.1.A. and 3.1.B. of Technical Specification 260533 Raceways and Boxes for Electrical Systems with the following:


3.1 RACEWAY APPLICATION

A. Outdoors: Apply raceway products as specified below unless otherwise indicated:

1. Exposed Conduit: GRC.
2. Concealed Conduit, Aboveground: GRC.
3. Underground Conduit: Horizontal Runs - RNC, Type EPC-40-PVC. Sweeps and Elbows - GRC.
4. Connection to Vibrating Equipment (Including Transformers and Hydraulic, Pneumatic, Electric Solenoid, or Motor-Driven Equipment): LFMC.
5. Boxes and Enclosures, Aboveground: NEMA 250, Type 3R.

B. Indoors: Apply raceway products as specified below unless otherwise indicated.

1. Exposed, Not Subject to Physical Damage: GRC.
2. Exposed, Not Subject to Severe Physical Damage: GRC.
3. Exposed and Subject to Severe Physical Damage: GRC.
4. Concealed in Ceilings and Interior Walls and Partitions: GRC.

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5. Connection to Vibrating Equipment (Including Transformers and Hydraulic, Pneumatic, Electric Solenoid, or Motor-Driven Equipment): LFMC.
 6. Damp or Wet Locations: GRC.
 7. Boxes and Enclosures: NEMA 250, Type 1, except use NEMA 250, Type 4 in institutional and commercial kitchens and damp or wet locations.

QUESTION CUTOFF DATE: SEPTEMBER 8, 2017

End of Addendum No. 3