

Addendum II Lower Reedy Influent Pump Station VFD Project

Posting Date: March 26, 2018

In published Request for Bid (RFB) for Lower Reedy Influent PS VFD project, please note the following updates:

1. **Q:** The project is at least 80% Electrical, is the Prime Bidding Contractor required to possess an EL5 license classification for this project?
A: ReWa will allow Bids from General Contractors and SC Licensed Electrical Contractors directly with demonstrated experience meeting or exceeding the requirements of the RFB.
2. **Q:** Will single conductor cable be rewired on this project i.e. 3-#1/0 w/ #4gnd, or will a multi conductor i.e. 3/C-1/0 w/ #4gnd be preferred?
A: Wire and cable shall be as shown on Drawing E104 and specified in Section 16123. Please note specific requirements for cables between the VFD output terminals and the pump motor as specified in Section 16123, Paragraph 2.02.
3. **Q:** Will the electrical subcontractor be able to set the VFD's with a forklift in the Electrical Room?
A: A forklift will be considered once the weight of forklift and VFD enclosures are known. For bidding purposes, assume the use of a dolly and an A-frame (or similar "means and methods") for VFD installation.
4. **Q:** Can a list of lighting fixture details be provided?
A: Lighting fixture details are specified in Section 16500, Paragraph 2.02.
5. **Q:** Can part number/manufacturer for switches and details for switches be provided?
A: Pre-Approved manufactures for switches are specified in Section 16141, Paragraph 2.01. Details for switches are specified in Section 16141, Paragraph 2.02.
6. **Q:** Will side/top entry be allowed for the new conduit runs (I-0006 – I-0010) between PCS and VFDs, or will core drills be required in order to make new stub ups?
A: Side/Top entry for conduits I-0006 thru I-0010 is acceptable. However, Contractor shall confirm actual field routing of all conduit with ReWa / Hazen prior to installation (refer to Note 17 on Drawing E100).
7. **Q:** Will new lighting conduit be aluminum per specs or PVC as shown in pre bid pictures?

A: All new conduit shall be aluminum as specified in Section 16111, Paragraph 3.03.

8. **Q:** Can area classifications be given for both rooms?

A: The Electrical Room is a non-classified dry non-process area for materials of construction purposes (refer to Note 1 on Drawing E100).

The Pump Room is a non-classified wet process area for materials of construction purposes (refer to Note 1 on Drawing E101).

9. **Q:** We are quoting NEMA 12 Two-Door Floor Mount Enclosures that are 72" x 72" x 24" each so these 5 enclosures will take up 30 foot of wall space. Drawing A100 shows only 26 feet of wall space is available. Drawing E100 shows VFD panels are 4 feet (48") wide, however all of the components needed to comply with the specifications will not fit in a 4 foot wide enclosure. Therefore, we take exception to spec 16495-11,2.07, 9.

A: Specification Section 16495, Paragraph 2.01, states that the VFDs shall be manufactured by Eaton, Square D, or Engineer approved equal. To date, no other VFD manufacturer has been approved by ReWa / Hazen. The specifications also require that the VFD manufacturer is responsible for assembling the enclosure including all the major equipment components - no subcontracting of wiring and/or third-party assembly is allowed. Preliminary discussions and information received during the design process indicated that both Eaton and Square D VFD enclosures can fit within the available wall space.

If you have any questions and/or concerns, please do not hesitate to contact Stephanie Selman stephanies@re-wa.org or Julie Dacus at julied@re-wa.org.