



City of Austin

PUBLIC WORKS DEPARTMENT

Project Management Division

505 Barton Springs Road, Suite 900, Austin, TX 78704

Phone 512.974.9385 Fax 512.974.2222 jules.parrish@austintexas.gov

5/11/2018

PROJECT: Hornsby Bend Biosolids Management Plant Thickener Complex Rehabilitation

CIP ID: 3164.062

IFB# 6100 CLMC712

SUBJECT: Answers to Bidders Questions as of the date of this letter, per 00100-IFB Article 1.(3)(C).

The following are answers to Bidders received on the above project. These answers do not modify the Contract. Any modifications to the Contract will be through Addenda

Q-1: Please refer to plan sheet E2, and keynote 4, which instructs the Contractor to install pullbox EMH1 to a depth of 9 feet to avoid conflict with a drainage culvert: What size (interior height-width-depth) are pullboxes EMH1 and EHM2 supposed to be? The only detail we could find was detail 8 on plan sheet E38 and the box there appears to be too small to be installed at a depth of 9 feet?

A-1: The answer to this question will be addressed by ADD.

Q-2: Please refer to plan sheet E2, and keynote 4, which instructs the Contractor to install pullbox EMH1 to a depth of 9 feet to avoid conflict with a drainage culvert: Is the depth of the Austin Energy duct bank supposed to remain 9 feet all the way to the proposed transformer pad?

A-2: No. The 9' requirement is clearance for the drainage culvert.

Q-3: Plan sheet E3 indicates a "generator termination cabinet" to be installed on the outside (north) wall of the thickener complex. Plan sheet E13 (note 3) indicates a requirement for N4X316 enclosure, and (note 4) a requirement for a 600A plug for the generator connection: Is conduit tag GEN-01P on plan sheet E3, the same run as conduit tag UTIL2-01P on plan sheet E3?

A-3: The answer to this question will be addressed by ADD.

Q-4: Plan sheet E3 indicates a "generator termination cabinet" to be installed on the outside (north) wall of the thickener complex. Plan sheet E13 (note 3) indicates a requirement for N4X316 enclosure, and (note 4) a requirement for a 600A plug for the generator connection: Is the "termination cabinet" meant to be a portable generator docking station? If so, please provide us with a specification for this equipment?

A-4: The answer to this question will be addressed by ADD.

Q-5: Plan sheet E3 indicates a "generator termination cabinet" to be installed on the outside (north) wall of the thickener complex. Plan sheet E13 (note 3) indicates a requirement for N4X316 enclosure, and (note 4) a requirement for a 600A plug for the generator connection: We do not see a specification for the 600A plug, please provide us with one and detail if the Contractor is required to provide the cap in addition to the plug?

A-5: The answer to this question will be addressed by ADD.

Q-6: Plan sheet E3 indicates a “generator termination cabinet” to be installed on the outside (north) wall of the thickener complex. Plan sheet E13 (note 3) indicates a requirement for N4X316 enclosure, and (note 4) a requirement for a 600A plug for the generator connection: Is it the Engineer’s intent to mount the plug on the wall below the termination cabinet?

A-6: The answer to this question will be addressed by ADD.

Q-7: Sources the electrical systems analysis to one named firm (Strategic Engineering). Would it be permissible for the manufacturer of the electrical equipment to provide the services associated with the specified studies? If not, please provide us with Strategic Engineering’s contact person’s name, telephone, and email address information.

A-7: The answer to this question will be addressed by ADD.

Q-8: Reference Note #10 – Page M-6. “All Ductile Iron Pipe below floor slab shall be concrete encased and coated with a lining material per wastewater requirements for ductile iron pipe found in city standard specification 510 and SPL-WW-534.”

- SPL-WW-534 – This spec calls for the lining of the pipe with a P/401 Lining (Inside of pipe only).
- Spec 510 Pipe included in the spec book – This spec states (510 – Page 6) – Pipe exteriors shall be coated as required by the applicable pipe specification.
- Can you verify that the standard asphalt coating for the ductile iron pipe will be acceptable (SPL WW-27)? Or are you wanting a different coating for the outside of the pipe?

A-8: See Item 510.2(8)(b) for requirements on the exterior coating of the pipe.

Q-9: Do you have a written specification for the plug valves? All I could find was the notes for plug valves on plan page M-1?

A-9: The answer to this question will be addressed by ADD.

Q-10: Plan sheets E13 and E21 both indicate the installation of a proposed Automatic Transfer Switch. We cannot locate a specification in the bid documents that details the construction requirements (manufacturer, ratings, etc) for the proposed ATS. Please provide us with a specification for this unit?

A-10: The answer to this question will be addressed by ADD.

Q-11: Specification 16020-2.01-A-1 indicates that the Contractor is to bear all costs associated with procuring the new service. Can you clarify that the costs referenced herein are limited to the transformer pad, and the primary duct bank? There is no way for the Contractor to identify what kind of charges that the utility company may incur to provide the new service drop.

A-11: The answer to this question will be addressed by ADD.

Q-12: Specification 16020-2.01-A-3&4 indicates that the Contractor is to bear all costs associated with telephone service including having to “provide all associated cables, conduits, and duct banks from demarcation box as shown on the plans”. We can find no indication on the electrical plans that telephone service is indeed required. Please delete the reference from the spec, or provide us with more design information so that we know what the installation consists of?

A-12: The answer to this question will be addressed by ADD.

Q-13: Specification 16080-3.08-A directs the Contractor to engage a third party testing firm to perform specific field testing services on the motor control center. The spec names a company (Real Power) but no contact person, telephone, address, or email information is given. Please provide us with the contact information of the named testing firm in this section.?

A-13: It is assumed that the reference specification was supposed to be 16480. The answer to this question will be addressed by ADD.

Q-14: Can you provide me with the most recent version of the Austin Water Utility/City of Austin control panel standard specification so I may pass to my manufacturer (JWC Environmental) to bid this project?

A-14: No. Refer to Section 11330.2.01.D for instrumentation and control panel requirements and references to requirements in other specifications.

Q-15: We had a question arise that I wanted to confirm on the electrical spec for Austin. We want to ensure that all manufacturers will have to abide by the 18-Pulse VFD spec (with no exceptions allowed.) Can you please confirm that ultra-low harmonic filters or similar will not be acceptable in place of the 18-Pulse VFDs?

A-15: Refer to Section 11361.2.03.C.3 for centrifuge thickening equipment VFD requirements.

Q-16: See plan sheet E10 and note conduit runs tagged MCC-T1-07P, MCC-T1-08P, MCC-T1009P. These runs are shown to be new conduits routed out of existing MCCT1 to the three washwater pumps. However, these runs do not appear on plan sheet E19 (where they should appear leaving the MCC) nor do they appear on plan sheet E18 at the washwater pumps location (where they should be shown to be routed to). Are these conduit runs required?

A-16: The answer to this question will be addressed by ADD.

Q-17: Also, there is a new HOA control station shown to be provided for each pump, however we have not been provided with an elementary diagram on sheets E28 or E29 to illustrate to us how the proposed HOA is to be integrated into the existing motor control circuit. Are the HOA control stations required?

A-17: The HOA control station is required. A reference drawing will be included by ADD.

Q-18: Plan sheet E18, keynote 14, directs the Contractor to seal all conduits penetrating the walls from the equipment area into the proposed and existing electrical rooms to be sealed with a product named "Polywater T250".

We cannot find a product called Polywater T250. The Polywater website has several products listed, but we think the product being required may be Polywater FST Foam Duct Sealant? Could the engineer confirm the product description in the note is correct?

A-18: The answer to this question will be addressed by ADD.

Q-19: Finally, we believe that conduit sealing fittings are going to be required for access points to inject the requested Polywater product into the conduit system. Can the engineer confirm that the Electrical Contractor will need to be installing aluminum type EYS fittings at each location where the conduits enter the electrical room(s) to facilitate installation of the proposed sealant?

A-19: The answer to this question will be addressed by ADD.

Q-20: Regarding SS 01016: Can fewer than the 3 + 1 temporary thickening units be provided so long as the minimum 1050gpm bet met continuously with full redundancy?

A-20: The answer to this question will be addressed by ADD.

Q-21: Regarding SS 15891 & Plan Sheet H4: I request ECS Environmental Solutions of Belton, Texas be included in the named manufacturers to provide the Fans, FRP duct & stack system. ECS is currently under contract on the Thickener Odor Control System designed by CDM-Smith which is being constructed/installed by Matous Construction at the South Austin Regional WWTP. They are local and have experience specific to this type of equipment.

A-21: See Section 00700 Paragraph 6.2.4 for requirements of approved equals.

City Project Manager