



City of Austin

PUBLIC WORKS DEPARTMENT

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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: The sludge samples obtained from the Flow Equalization Basin (FEB) during the optional site visit may have different characteristics than the sludge that will ultimately be cleaned out of the FEB once the project commences. Would that change and associated cost fall on the Contractor or will there be a consideration for that at the time the actual sludge is removed from the FEB?

A-1: See Section 02050 Paragraphs 3.04.B and 3.04.C for testing requirements and disposal sites for the dewatered sludge/contents.

Q-2: Has the design team been in contact with Austin Energy? Is there a lead time for their work?

A-2: Yes. Austin Energy is aware of the project. A lead time was not provided by Austin Energy.

Q-3: The Proposed piping is shown as 12" D (26). Per the piping schedule, this means this is a 12" Drain Line and is to be fabricated as HDPE Pipe. HDPE Pipe is a very heavy wall pipe and can only be assemble using a heat weld. In order to comply with the detail for Clean Outs on sheet M-9, the 12" line will have to be a 12" X 4" HDPE Wye. Then there would be 2 EA 4" HDPE Welded 45's. Then one would have to weld a 4" FLG on top.

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

Q-4: The Floor Drains risers would be fabricated in a similar fashion. Welded 45's or would they be 12" X 4" Tee's?

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

Q-5: Drain Line: Regardless, there is not enough laying room to weld the tees or wyes in the short span. This would be extremely difficult and terribly expensive to do as shown on the drawings. I really do not think it can be done as shown.

A-5: The project shall be bid as specified in the Plans and Specifications.

Q-6: In addition to the above, the 12 HDPE will not fit thru the 16" Steel Casing using Standard COA Pipe Spacers.

A-6: Pipe Spacers are not required. The project shall be bid as specified in the Plans and Specifications.

Q-7: In summary, the 12" D Line should be 12" SDR 35 PVC Pipe using conventional sewer drain fittings, 45's, etc. Also, I am not aware of any connection that could be fabricated that would be suitable for the FRP Manhole Penetration using HDPE. It would be a simple connection and a water tight connection if SDR 35 PVC were used.

A-7: SDR 35 is not in compliance with the SPL for this application. Refer to Detail F on Sheet M-10 for connection to FRP manhole.

Q-8: Page 11361-7; 1.07 SYSTEM DESCRIPTIONS General Description A.1.a.: What is the Volatile Solids content, we assume the lime and magnesium come from a water plant. Is that correct?

A-8: The answer to this question will be addressed by ADD. See ADD for the concentration of the VSS. It is unknown where the lime and magnesium components come from.

Q-9: Please reference plan sheet E13, and see conduit callouts tagged HB-TC-LCP-300-01P and HB-TC-LCP-300-02P that are indicated to route from the centrifuge control panel in the electrical room out to the centrifuge equipment in the treatment area. Is the Engineer's intent for this wiring to be installed as single conductor wiring per spec 16200-2.02-A, or rather to be furnished as multi conductor VFD cable per spec 16200-2.02B? Plan sheet E13 does not state that these motors are controlled by VFDs in the centrifuge control panels. The above question(s) are applicable to (6) runs associated with the (3) centrifuge units.

A-9: The cables for the centrifuge are to be the multicable VFD cables per specification 16200.2.02.B.

Q-10: Please reference plan sheet E13, keynote 5 which instructs the Contractor to route thermistor and space heater cables with the power conductors. Are these cables to be installed within the conduits noted in the question above? If not, please provide us with conduit size, quantity of conduits, and include information on the quantity and size of conductors that will be required to connect the referenced thermistors and space heaters.

A-10: Provide the space heater and thermistor cables in the same conduit as the power conductors per Sheet E-13 Keynote 5.

City Project Manager