



City of Austin

PUBLIC WORKS DEPARTMENT

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5/16/18

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: There is language in the Contract Documents that require alarms to be sent back to the plant's SCADA system for the temporary thickening system. Is that up to the Contractor to select the SCADA panel to be used? Or is there a panel already selected to take that signal to?

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

Q-2: Does the panel to provide monitoring for the temporary thickening system stay active throughout the entire project? Or will that panel be down during some of the demolition work?

A-2: The panel will remain active throughout the project. A temporary shutdown is not anticipated.

Q-3: Does the plant operate the Thickener Complex 24/7 at the flows indicated in the specifications?

A-3: Yes. Refer to Section 01016.1.04.B.

Q-4: Once the temporary thickeners are up and running, do they need to be operated for a certain period of time to prove they are operational? Is there a test period that will be required before the units are turned over to the plant staff for operation? Is the Contractor operating the temporary units during the test period?

A-4: Refer to Section 01016.3.01.A.

Q-5: A certain amount of time has been stipulated for the cleaning of the Flow Equalization Basin (FEB). Does that time period include the allowance work?

A-5: Refer to Section 02050.3.01.A.

Q-6: The temporary thickening specification indicates that four (4) machines are required. How strict is that requirement? Can a fewer number of thickener units with higher capacities be supplied?

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

Q-7: Can any of the existing pumps in the Thickener Complex's basement be utilized for temporary thickening?

A-7: Refer to Section 01016.1.04.C and Section 01016.2.02.

Q-8: The Contract Documents note that the existing bridge crane is off limits to the Contractor. Once the new bridge crane is installed, can it be utilized by the Contractor?

A-8: Yes. Refer to Section 14360 Paragraph 3.05 for Use of Completed System.

Q-9: If the four temporary thickening units are not required, will the hydraulics of the rest of the temporary thickening system (feed and discharge lines) be sufficient?

A-9: Refer to Section 01016.1.04.C.

Q-10: How are the temporary thickening unit power requirements addressed in the Contract Documents?

A-10: Refer to Section 01016.1.04.G and Section 01016.3.04.

Q-11: Has there been discussion with Austin Energy on the power required for the temporary thickening units?

A-11: No.

Q-12: Will the Paid Sick Leave Ordinance be in effect for this project?

A-12: No. The Paid Sick Leave Ordinance will not be in effect for this project.

Q-13: The temporary thickening specification requires that the temporary thickening unit liquid discharge be routed to Pond 1W across a plant road. Can the Contractor cut through that road or bore under it?

A-13: Yes.

Q-14: Page 11361-7; 1.07 SYSTEM DESCRIPTIONS General Description A.1.a.:
Please identify if the 70% primary/30% WAS –is blended by weight or volume?

A-14: The answer to this question will be addressed by ADD.

Q-15: Page 11361-7; 1.07 A.1.c.: Please clarify the solids loading. The Solids Loading (individual centrifuge) requirement is not clear – it states 81,000 to 252,000 pounds per day. The hydraulic capacity at 450 gpm and 1.0 % feed solids results in 54,000 pounds dry solids a day, at 2.5% the solids load is 135,000 pounds/day and at 3.5% the solids load is 189,000 pounds per day.

A-15: The answer to this question will be addressed by ADD.

Q-16: Page 11361-7; 1.07 A.1.d.: Please revise, thickening applications do not require the same G-force as dewatering centrifuges. This is a thickening application, this needs to be changed to 1,500 to 2,200 G. for the centrifuge.

A-16: Centrifuges shall be designed to withstand G force indicated in Section 11361 Paragraph 1.07.A.1.d.

Q-17: Page 11361-18; 2.02 Centrifuge M Centrifuge Access Platforms. Are there any drawings showing centrifuge layout or just elevations for designing platforms.

A-17: Manufacturer fabricated/provided FRP centrifuge platforms are not shown in the drawings.

Q-18: We are a company that fabricates HDPE as called for in your design. Although this a great product, I am not sure this application is best suited for this pipe. The onsite fusion that will be required to make all this work is very expensive and time consuming. Each fuse will take around an hour to heat and cool. One simple tee or wye connection will require up to 3 fusions. (3 hours). This does not account for the expert tech that must monitor elevations and down-stream connections are in the right position at all times to keep the floor drain in alignment. I think using existing approved SPL products for under slab applications is a better way to go. Ductile Iron in this case would be much more less expensive to HDPE and you can use normal fittings off the shelf to accomplish your tie-ins to the floor drains with ease

A-18: The project shall be bid as specified in the Plans and Specifications.

City Project Manager