



# City of Austin

## PUBLIC WORKS DEPARTMENT

Project Management Division

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09/30/2021

PROJECT: Hornsby Bend BMP Centrifuges

CIP ID: 3164.077

IFB# 6100 CLMC872

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: Drawing M-4 – Profile Drawing indicates existing 12” D (17) piping is within a 20” Steel Sleeve. Note reference to Details C, E, and F/M-10. Is the annular space between existing 12” Drain and 20” Steel Sleeve filled with grout?

A-1: **No.**

Q-2: Drawing M-4 – Profile Drawing indicates existing 12” D (17) piping is within a 20” Steel Sleeve. Note reference to Details C, E, and F/M-10. Does section(s) of sleeve that needs to be removed to make Tie Ins need to be replaced / repaired? If so, please offer requirements for sleeve replace / repair and / or closure for Drains penetrating Casing.

A-2: **Sleeve does not need to be replaced.**

Q-3: Drawing M-4 – Profile Drawing indicates existing 12” D (17) piping is within a 20” Steel Sleeve. Note reference to Details C, E, and F/M-10. Does 20” Casing Terminate at roughly Grid Line 8, as indicated?

A-3: **Casing length is drawn to scale.**

Q-4: Drawing M-6 – Drain Line Elevation View. Drawing indicates 12” Drain line & Casing encased in concrete. Is the existing Drain Line and casing encased in concrete?

A-4: **Existing ductile iron drain lines are encased in concrete. PVC drain line and steel casing are not encased in concrete.**

Q-5: Drawing M-6 – Drain Line Elevation View. Drawing indicates 12” Drain line & Casing encased in concrete. Is the new tie ins and repaired casing required to be encased in concrete? Drawing Note 6 only refers to “Ductile Iron Pipe” – Drain Line is Specified as SDR-26 PVC.

A-5: **New tie-ins shall not be encased in concrete.**

Q-6: Drawing Detail C/M-10 – Centrate Connection and Drawing Detail D/M-10 – Typical Floor Penetration. Is Detail D – Typical Floor Penetration the “10” Schedule 80 Pipe” referred to in Detail C?

A-6: **Detail D is for all floor penetrations.**

Q-7: Section 01030: Will the contract be awarded based on the Total Base Bid or the Total Base Bid plus the Alternates?

A-7: **The contract to be awarded is based on Base Bid plus Allowances plus Alternates (if accepted), per section 0300L.**

- Q-8: Section 01700: There are a lot of spare parts covered in this section of the specs and also spare parts listed in the particular equipment specs. Which spec governs?  
A-8: **Refer to Section 01700.1.7.B.**
- Q-9: Section 02050: In order to pass the sludge paint filter press, the contractor will have to provide temporary Sludge Dewatering Equipment which should include submersible pumps, discharge piping, controls, electrical power supply, etc to be placed in the FEB Unit. Where can we get electrical power from?  
A-9: **Refer to Section 02050.1.06.A.1.b(iv)(a), 02050.1.07.B, and 02050.3.05.**
- Q-10: Section 02050: In order to pass the sludge paint filter press, the contractor will have to provide temporary Sludge Dewatering Equipment which should include submersible pumps, discharge piping, controls, electrical power supply, etc to be placed in the FEB Unit. Temporary or Portable Belt Filter Press will be required as well. Where can we get power from?  
A-10: **Refer to Section 02050.1.06.A.1.b(iv)(a), 02050.1.07.B, and 02050.3.05.**
- Q-11: Section 02050: In order to pass the sludge paint filter press, the contractor will have to provide temporary Sludge Dewatering Equipment which should include submersible pumps, discharge piping, controls, electrical power supply, etc to be placed in the FEB Unit. Where can filtrate be pumped to from the BFP?  
A-11: **Refer to Section 02050.3.03.B.**
- Q-12: Section 02050: In order to pass the sludge paint filter press, the contractor will have to provide temporary Sludge Dewatering Equipment which should include submersible pumps, discharge piping, controls, electrical power supply, etc to be placed in the FEB Unit. What kind of polymer should we use?  
A-12: **If Contractor chooses to utilize polymer, polymer appropriate for the FEB tank materials and dewatering equipment shall be used as described in Section 02050.**
- Q-13: Section 02050: Where do we haul the dried sludge?  
A-13: **Refer to Section 02050.3.03.B and 02050.3.04.**
- Q-14: Section 02050: What is the cost of the landfill fee?  
A-14: **Disposal at a Type I landfill is required per Section 02050.3.04.C. Contractor shall confirm applicable landfill fees prior to bid.**
- Q-15: Section 02050: Do we have to use “Certified Sludge Hauling Trucks” that have rubber gasketed tailgates?  
A-15: **Haulers must have all necessary licenses and permits and take precautions to prevent spillage or liquid leakage from the hauling vehicle. Refer to Section 02050.3.04.A and 02050.3.04.D.**
- Q-16: Section 02050: Do we have to have a Confined Space Plan and certified Confined Space Training to enter the basin?  
A-16: **Yes. Refer to Section 02050.1.04.A, 02050.1.06.A.2, and 02050.3.01.D.**
- Q-17: For inspection of the walls, does the owner expect full perimeter scaffolding from floor to ceiling? The floor slope is very steep.  
A-17: **Refer to Section 02050.1.01.A.6.**
- Q-18: 02050-8 3.03.F: The contractor is required to take Grit Samples to Grit Tech Lab. How many samples have to be taken and who pays the lab fee?  
A-18: **The answer to this question will be addressed by ADD.**
- Q-19: Alternate #1: What is the percent solids of sludge to be dewatered and disposed from the FEB?  
A-19: **The answer to this question will be addressed by ADD.**
- Q-20: Alternate #1: What is the anticipated duration of third-party FEB coating inspection?  
A-20: **The answer to this question will be addressed by ADD.**

Q-21: Sheet S-6 calls for new 316SS guardrail at FRP platforms. Existing guardrail is aluminum. Please confirm 316SS is required.

A-21: **The answer to this question will be addressed by ADD.**

Q-22: Alternate #2: Please confirm that cleaning is limited to the process area. (i.e. no cleaning required in electrical rooms, control room, storage area, mezzanine, and bathroom.)

A-22: **Refer to Section 01030.3.1.**

Q-23: Alternate #2: Please clarify the scope of painting. The bid item mentions only “walls”. Is this referring walls in the process area only? Columns? Doors? Walls in electrical rooms, control room, bathroom, storage area & mezzanine? Floors and ceilings (referenced in 09912)?

A-23: **The answer to this question will be addressed by ADD.**

Q-24: Alternate #2, Specification 09912: The specification lists two different painting schedules (“interior microbicial” and “interior”), please confirm which is to be used.

A-24: **The answer to this question will be addressed by ADD.**

Q-25: Section 17520 Instrumentation – The specified polymer flowmeters differ from the existing flowmeters. Please confirm the specified model is intended.

A-25: **The answer to this question will be addressed by ADD.**

Q-26: Sheet M-5 & M-1: The 2” NPW, 2” POS & 1-1/2” PW lines to be replaced are listed in the material schedule as C-900 PVC with ductile iron fittings. These materials are not available in these small diameters.

A-26: **The answer to this question will be addressed by ADD.**

Q-27: Please confirm the intended materials. Existing 2” POS is glued SCH 80 PVC.

A-27: **The answer to this question will be addressed by ADD.**

Q-28: Section 15256 Pipe Insulation & Heat Tracing & Sheet M-5: Please indicate which new and/or existing lines will require insulation and/or heat tracing. The existing small diameter NPW and PW lines to be replaced along the walls and ceiling are insulated. Will the new pipe require insulation?

A-28: **The answer to this question will be addressed by ADD.**

Q-29: Will the Owner/Plant provide temporary power to the lift station during Thickener Complex outages?

A-29: **The answer to this question will be addressed by ADD.**

Q-30: Please confirm building permit, plumbing permit and electrical permit will not be required on this project.

A-30: **The answer to this question will be addressed by ADD.**

Q-31: Plan sheet E-20, keynote 7, indicates a requirement for Contractor to “re-route existing conduit and conductors as required to avoid conflict with new guard rail at centrifuge units 300, 400, 500”. It is not reasonable to burden the Contractor with trying to figure out what may or may not be required for these existing conduits to avoid the proposed guardrail. Please either provide us with a drawing that details what could be extensive work for these conduits and wiring that may or may not be in the way, or establish a bid form allowance to deal with any relocation work as a change order.

A-31: **This will be addressed by ADD.**

Q-32: Reference Pages M-5, M-6: You have several systems calling for Group 16. Per the Pipe Schedule on M-1 is C900 DR14. Most of these sizes are less than 4”. C900 DR14 is not available in sizes less than 4”. Please verify the piping material you need for these systems.

A32: **This will be addressed by ADD.**

City Project Manager