City of Austin

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10/04/2021

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: The subtotal of allowances provided on 00300L should be $117,000, not $177,000.
A-1: **This will be addressed by ADD.**

Q-2: Please reference the following
a. Plan sheet E-02 electrical site plan.
b. Plan sheet E-13 modified MCC-T5 one line diagram.
c. Specification 16020-1.01-B-2.
Plans indicate that the existing 1500KVA utility transformer UTIL-01 is to be replaced with a new larger one on a different pad. Please confirm that the Contractor does not have to carry any costs associated with (a) removal and reinstallation of any primary conductors, (b) removal and replacement of the existing utility pad mount transformer, (c) metering or (d) the proposed 2500KVA transformer.

A-2: **The design intent is for the Contractor to perform all work required to facilitate the installation of Austin Energy (AE) service to the building. This includes demolition of transformer pads, manholes, ductbank modification, and concrete flatwork removal. The Contractor's scope also includes furnishing and installation of new transformer pads, new primary and secondary ductbanks and conduit; trenching, sawcutting, hand-digging; installation and repair of flatwork; new manholes and modifications to existing; and meters. All work is required to be in accordance with the NEC and AEs standards.**

AE should be responsible for removing the existing transformer; removing existing primary conductors; setting new power poles (if required) and transformers; providing, installing and terminating new MV conductors; terminating new secondary conductors in the transformer; and installing meter CTs.

Q-3: In regard to specification 16020-1.01-B-2, will the Owner be responsible for paying Austin Energy's "aid to construction" fees for the two new feeds to the facility? If so please delete paragraph 16020-3.02-A from this same specification. If not please establish a bid allowance on the bid form to cover this unidentifiable cost.
A-3: **Austin Water will cover any fees charged by Austin Energy in excess of Allowance No. 6 in Section 00300L – Bid Form (Lump Sum).**

Q-4: In regard to specification 16020-1.01-B-3, is there a requirement for telephone line service to this facility? If so, indicate requirements on site plan and floor plans. Will the Owner be responsible for paying any fees for this proposed new telephone service? If so please delete paragraph 16020-3.02-A from this same specification. If not please establish a bid allowance on the bid form to cover this unidentifiable cost.
A-4: **This will be addressed by ADD.**

Q-5: In regard to specification 16020-1.01-B-4, is there a requirement for DSL service to this facility? If so, indicate requirements on site plan and floor plans. Will the Owner be responsible for paying any fees for this proposed new DSL service? If so please delete paragraph 16020-3.02-A from this same specification. If not please establish a bid allowance on the bid form to cover this unidentifiable cost.

A-5: **This will be addressed by ADD.**

Q-6: Specification 16010-1.08-L states that "raceways and conductors for low voltage thermostats controlling HVAC equipment are not shown on the drawings" but then goes on to state that these items must be provided for a complete operating system. It is not reasonable to burden the Contractor with trying to figure out what these requirements may or may not be. If this work is indeed required on this project, please provide drawings that detail the requirements of any raceways and conductors for control of the HVAC system so that it can be included with the Contractors base bid pricing.

A-6: **The scope of this section is limited to the removal and relocation of existing equipment as required by the installation of proposed overhead door.**

Q-7: Specification 16010-1.08-M states that "raceways and conductors for fire alarm, sound and page systems are not shown on the drawings" but then goes on to state that these items must be provided for a complete operating system. It is not reasonable to burden the Contractor with trying to figure out what these requirements may or may not be. If this work is indeed required on this project, please provide drawings that detail the requirements of any raceways and conductors for control of the fire alarm, sound and page systems so that it can be included with the Contractors base bid pricing.

A-7: **The scope of this section is limited to the removal and relocation of existing equipment as required by the installation of proposed overhead door.**

Q-8: Sheets C-2 and E-2 do not illustrate the same scope of transformer pads. Please confirm that the existing transformer pad is to be demolished and two new pads are to be built per E-2.

A-8: **Confirmed. Existing transformer pad is to be demolished and two (2) new pads are to be built per E-2.**

Q-9: Sheets S-3 and S-6 do not indicate the portion of concrete slab to be removed and replaced in order to fully replace the 6" sludge discharge line on M-5. Please confirm the sludge discharge piping is to be replaced in its entirety south of the existing 8" plug valve.

Q-9: **This will be addressed by ADD.**

Q-10: Please verify the required flange hardware. Do we use Austin Spec 510 that calls for ASTM A449 SAE Grade 5 Plain. Or do we follow the 15120 2.07 Spec that calls for ASTM A193, Grade B8M for wet areas and ASTM A193 Grade B7 for other locations (DRY).

A-10: **Section 15120 includes flange hardware requirements**.

Q-11: Ref Plan Page M-6. Keynote #31. Please provide specification for Flange Check Valve. Spec SP511s-2 "J" is for a Wafer Style Check Valve.

A-11: **This will be addressed by ADD.**

Q-12: Ref Plan Page M-7. 4" Check Valve. Please note if this 4" Check Valve is a Wafer Style Check Valve per Spec SP511S-2 "J". It appears to be drawn like a flange swing check valve.

A-12: **4" Check Valve on M-7 shall be per SP511S.3.J.**

Q-13: Section 11216 – Vertical Turbine Pumps – Wet Pit: Is it acceptable for the certified pump manufacturer's representative to provide the motors?

A-13: **This will be addressed by ADD.**

Q-14: Section 11216 – Vertical Turbine Pumps – Wet Pit: On Drawing Sheet M-7, what is the concrete opening below the Pump soleplate?

A-14: **Contractor shall field verify concrete opening**.

Q-15: In regard to electrical sheets E-5 and E-6, cable and conduit schedule. Can you please provide conduit and cable schedule for the following conduit runs that are shown on sheet E-23? Please advise?

LCP-100-01C
LCP-100-02C
LCP-100-03C
LCP-200-01C
LCP-200-02C
LCP-200-03C

A-15: **This will be addressed by ADD.**

Q-16: Ref Plan Page M-6. Can you please provide a specification for the expansion joint between the Chute and the 12" Drain line?

A-16: **Expansion joint shall be provided by Centrifuge Manufacturer and match existing joints on Centrifuge 300, 400, and 500.**

Q-17: I believe the spec on this project calls for the pipe bollard tops to be formed by hand. We manufacture a precast concrete bollard cap that makes this process faster, less expensive and completely uniform.

A-17: **Refer to Detail D on Drawing C-7.**

Q-18: Section 11216 – Vertical Turbine Pumps – Wet Pit: Is it possible to revise TX PE requirements for the analysis? Flowserve can meet PE requirements, they just don't have someone in Texas. They are certified in other states. Please consider revising to just signed and stamped by a professionally licensed engineer.

A-18: **Requirement will not be removed**.

Q-19: Section 11216 – Vertical Turbine Pumps – Wet Pit, Subsection 2.03.A.8 – I see a Mechanical Seal is listed. This is typically not combined with a VHS Motor. Typically we recommend packing with a VHS. If a mechanical seal is really required, recommend changing to a VSS Motor with a 4 piece coupling. Please advise what is preferred via addendum.

A-19: **This will be addressed by ADD.**

City Project Manager

Jules Parrish

Digitally signed by Jules Parrish
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