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ADDENDUM NO. 2

Date: August 1, 2023
Project: **Digester MCC-2 Upgrade**
Job No.: 21600-06

To: All Planholders and Prospective Bidders

The following changes and/or clarifications are hereby made to the Contract Documents and shall become a part of the Contract Documents dated June 2023.

1. **Bid Opening:** Refer to NOTICE INVITING SEALED BIDS, Paragraph 2, Page 1-1: Bid opening has been rescheduled for **Monday, August 7, 2023 at 11:30 AM.**

Questions Received from Proposers/Bidders:

The following questions were submitted on or before 7/28/2023, questions that are received after the bid questions deadline may not be answered in addendum. LGVSD responses to the questions are in bold.

1. Are the ECs bidding prime?
Response: Per Addendum 1, Class A General Contractors License and Class C10 Electrical Contractors License are both acceptable for this project.
2. Will there be a responsibility matrix? By looking at the drawings and specs, I can best discern the EC is providing all installation and supplying the fixtures, 15kva transformer, 60a panel, and all conduit/wire/terminations. The MCC will be supplied by others. Am I correct in this?
Response: In accordance with the specifications, the Contractor will be responsible for providing all equipment, including the MCC.
3. We have reviewed 09 90 00 - 14 - Painting Schedule - Please confirm that the extent of painting for this project is exposed conduit and the new motors.
Response: The extent of painting for this project is exposed conduit and the new motors.
4. Drawing E03 - Note 5 - Please provide drawing details that show the method and extent of the sealing and closing off work described in this note.
Response: No drawing details required. The Contractor shall develop plans to establish a vapor tight barrier for Shop Building door and windows to prevent hazardous gas and vapor from entering the construction area for review and approval by the District during construction. In addition, Contractor shall familiarize himself/herself with relevant building codes to develop construction methods, such as installation of gypsum board or foil back urethane insulation board with adequate caulking. Furthermore, Contractor shall establish a

preventative maintenance program to ensure the integrity of the barrier over the duration of construction.

5. Drawing E04 - Note 6 - Please provide motor schedule / nameplate information for each motor that is to be replaced as described in this note.

Response: Contractor to perform site visit to locate these motors and collect requested information.

6. Drawing E04 - Note 5 - Please provide quantity and size of conduits that require seal-offs to be installed. For each conduit please provide number and size of conductors, what equipment this is feeding, the outage constraints, and if temporary power will be required?

Response: Contractor to perform site visit to collect the requested information. The existing conduits as shown on drawing E04 section 2 are the existing conduits feeding the biogas energy recovery system installed in 2017. These loads are powered from existing MCC-8 located in the shop building.

7. Drawing E04 - Note 3 - This note does not seem to be found on the plan drawing. Does this still apply? If so, please provide more detail as to the scope of work for this note.

Response: Contractor to perform site visit to collect the requested information. All light switches inside the digester room shall be replaced per Note 3.

8. What are the outage constraints associated with this project? Is there any temporary power required?

Response: Coordinate with the Owner on the outage requirements. Currently, the primary and secondary digester recirculation pumps operate intermittently on a preset timer, and the sludge liquor pump operate continuously. Contractor shall perform new installation prior to demolition and cut over the loads to minimize outage duration. If the required cut over work exceeds the outage duration defined by the Owner, temporary power shall be provided by the Contractor.

9. Please confirm that the work described on Note 1 of Drawing E06 is captured by the conduit and wire schedule shown on Drawing E08. If not, please provide more information or create a bid allowance for this undefined work.

Response: All circuits identified in the panel schedule on E06 are existing loads to be cut over to the new panel located in the shop building. The location of these existing loads shall be field verified by the Contractor.

10. Conduit and Wire Schedule says 2" for Conduits P-0014 and P-0015. Ductbank Schedule says 1" for these conduits. All others are 1". Should the conduit and schedule be changed to 1".

Response: 1" C spares are acceptable.

11. Are any permits required? If so who is responsible for the cost of permits, the outage constraints, and if temporary power will be required?

Response: Coordinate with the Owner on hot work permit requirements when working in the classified locations. Coordinate with the Owner on the outage requirements. Currently, the primary and secondary digester recirculation pumps operate intermittently on a preset timer, and the sludge liquor pump operate continuously. Contractor shall perform new installation prior to demolition and cut over the loads to minimize outage duration. If the required cut over work exceeds the outage duration defined by the Owner, temporary power shall be provided by the Contractor.

12. I may have overlooked it in the spec package, but who is supplying the new MCC? Am I to assume it is Las Gallinas? It is shown on the one line (sectional view) but nothing else.

Response: In accordance with the specifications, the Contractor will be responsible for providing all equipment, including the MCC.

13. We wanted to bring up the issue of procurement time on the MCC cabinet. It is stated that LGVSD's completion date for this project is 365 calendar days. With that being said, we are getting lead times of upwards of 60-65 weeks or 420 days and that does not include time for submittals. We are requesting a longer completion date that puts the below lead times into consideration as there is no feasible way of completing the job in 365 days. Please let me know if you have any questions regarding this.

Response: See Addendum No. 1 for change in contract duration.

14. Also, can you please clarify what type of classification (example class 1 div 1) that these rooms are, so we know the appropriate type of conduit to run inside and outside of these rooms.

Response: Refer to notes on drawing E03 for area classification.

15. MCC's are currently running 50-70 weeks for fabrication after approved submittals. The contract time allotted for this project is not enough time to complete the work. Please extend the contract time by another 365 calendar days to allow for submittals, submittal review, construction activities, startup, commissioning, demolition, and closeout activities.

Response: See Addendum No. 1 for change in contract duration.

16. Please see below on page E04 regarding the switches on top of the digesters. How many switches are on top of each digester as it is not clear on the drawings: *“Contractor shall replace all existing light switches on top of the digesters with devices approved for Class I, Division 1 Hazardous Area Classification. Existing lighting circuits on top of the digesters shall be wired to new Panel 3L CKT 10”*.

Response: Minimum three (3) light switches are installed on top of the digesters. One (1) located at the base of the stairs going up the secondary digester, one (1)

located at the top of the stairs, and one (1) located at the bridge between the primary and secondary digester. Contractor to confirm the final count.

17. Question regarding the switch located between LP1 and #L/2. What is this switch turning on/off? Per the drawings this is supposed to be removed and replaced but there is no CT shown.

Response: Per 1964 record drawings, the intent of the switch is to operate the exterior entrance lights outside the digester room. Contractor to confirm with the Owner.

18. Per the drawing snapshot below highlighted in green PPB-2 and CPB-2 are shown to be mounted along the exterior wall of the digester room. As you can see below in the yellow snapshots below this wall has no room for the number of conduits that need to be installed. Can you advise on a new location or route for these conduits? Please advise.

Response: Contractor may elect to combine PPB and CPB into a single pull box with suitable barrier provided to separate the different voltage types. Refer to 26 05 33.16.

19. Per note #5 on page E04, the drawings are requesting that the conduit seals be retrofitted. Is this the firestopping around the conduits or is this requesting a removal and replacement of existing explosion proof fittings with new fittings? Please advise.

Response: The existing conduits do not have proper conduit seals for installations in a classified location. Contractor shall retrofit conduit seals to comply with NEC Article 500 and 501 requirements.

20. The mounting for the light fixtures does not match what is shown on the drawings. As you can see below the manufacturer light spec shows a single point connection for the pendant mount option. Per the drawings the fixture is shown to be a 2-point connection as snap shotted below. Please advise on which application to use for installation as this light fixture only comes with the one-point connection option.

Response: Please follow the manufacturer's recommended installation instructions.

21. Adding the application of the Appleton ball type swivel hangar box for mounting will defeat the purpose of class 1 division 1, are these still to be required? Please advise as this will not meet requirements for class 1 division 1.

Response: The installation detail provided is generic. Contractor shall follow the manufacturer's recommended installation instructions to ensure the installation meets Class I Division 1 requirements.

22. The existing light fixtures are shown as flush mount against the ceiling, not pendant mount as shown below. Are the new fixtures to match existing or to be pendant mounted? If to be pendant mount, how far down should the ½" conduit for the fixture hang below the deck of ceiling? (example 6 inches, 1 foot, 2 feet). This will affect the location of the

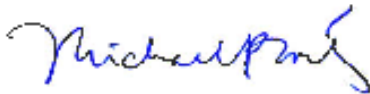
new light fixtures as there is existing conduit/supporting already hanging from the ceiling in these locations. Please advise if to be flush mount or pendant mount.

Response: The new fixtures shall be installed similar to the existing fixtures. Ceiling mounted fixtures shall be replaced with similar ceiling mounted fixtures rated for Class I Division 1. Follow manufacturer's recommended installation instructions.

This addendum consists of five (5) pages including this page and attachments. Acknowledge receipt of this addendum in the space provided on page 93 of 558, Proposal Cover Page and Bid Schedule, of the Bid Forms, and by signing in the space provided below. Submit an original copy of this addendum cover page along with the bid. Failure to do so may disqualify the bidder.

Las Gallinas Valley Sanitary District:

Bidder: _____



Michael P. Cortez, PE, District Engineer

(Authorized Signature)

(Date)