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PRE-BID MEETING MINUTES
DELAWARE EMERGENCY MANAGEMENT AGENCY / DELDOT
DEMA / TMC GENERATOR REDUNDANCY PROJECT
SMYRNA, DELAWARE
OMB/DFM #: MC5508000001 DSE #:17-2-0155
DECEMBER 03, 2018

ADDENDUM NO. 2

The following items shall become a part of the contract documents. Contractor must acknowledge receipt of this addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Item No.1: Due to last minute questions, the bid opening has been postponed to December 12, 2018 at 2:30 pm.

Item No. 2: Refer to Project Manual, Division 00, Section 00 11 16, *Invitation to Bid*, paragraph one (1):

- Revise Bid opening date from "December 06, 2018" to "December 12, 2018" in line 4. The submission time and location shall remain the same.

Item No. 3: The following questions for clarification were received. The responses are in **bold** text:

A. Will we be required to maintain temporary cabling 100% while the existing cable is being removed or will we be able to do one set at a time while maintaining the others? My biggest concern is with the TMC feed replacement. That is a long way to have to install a temporary set of conductors and if required I do not feel this covered in the unit price.

Response:

The Unit Price does not include temporary cabling for temporary generator support.

The Contractor shall provide the required materials to maintain temporary generator support as indicated under the referenced specification section below.

Please refer to Specification Section 26 05 00*, Common Work Results for Electrical*, Article 1.6, "Temporary Emergency Generator Power", Paragraphs "A" through "K".

B. Please clarify the requirement for UL 1558 and the cable compartment barriers as specified in Section 26 23 16, 2.4, J.

Response:

The intent is to provide barriers to provide a reasonably safe working space for qualified persons while preventing the spread of molten metal and ionized gases during an arc-flash event between cable compartments.

The Contractor shall be permitted to install penetrations in the steel cable compartment barriers, i.e. between cable compartments, to allow cables to pass between compartments as required. The Contractor shall provide chase or close nipples with lock nuts and bushings for a cable pathway between compartments as required. The chase or close nipples shall be sealed using a Jackmoon triplex or quadplex type duct sealing equipment.

C. Is a Temporary Generator and / or Load Bank required for the final commissioning?

Response:

The functionality of the spare circuit breaker including voltage monitoring, load monitoring, and the sequence of operation when connected to a portable generator and load bank shall be tested.

The Contractor may prove the sequence of operation by an acceptable means, other than connecting to a portable generator or load bank.

Please refer to Specification Section 26 05 19*, Low-Voltage Electrical Power Conductors and Cables* for Thermographic Survey requirements. Load banks may be required to meet the required load requirements.

Item No. 4: Refer to Specification Section 26 05 29, *Hangers and Supports for Electrical Systems*

- Article 2.1, "Manufacturers", Paragraph A: Add – "11. Jackmoon Products".

Item No. 5: Refer to Specification Section 26 05 29, *Hangers and Supports for Electrical Systems*, Article 2.

- Article 2.3, "Support, Anchorage, and Attachment Components": Add the following paragraph "F":

F: Duct Sealing Equipment: multiple section bushing sleeve with duct plugs sized to fit conduit, nipple, and / or conductors. Duct sealing equipment shall be capable of being installed or removed with conductors in place. The same shall be secured in place by compressing gasket to exert force on conduit wall. Duct sealing equipment shall have the following features:

1. Materials shall be corrosion proof
2. Bushing sleeve shall have adequate number of holes to serve conductors
3. Blank plugs to seal empty holes
4. Stainless Steel bolts, washers, and nuts
5. Compression plates
6. Gasket
7. PVC nut caps

Item No. 6: <u>Refer to Electrical Drawing AE-400</u>

- Revise Drawing Note #11 to read "PROVIDE (10) 12 AWG CONTROL WIRES FROM AGSS TO GENERATOR CONTROLLER. PROVIDE (2) 12 AWG CONDUCTORS FOR BATTERY BACKUP POWER FROM GENERATOR BATTERIES. COORDINATE WITH AGSS VENDOR".

END OF ADDENDUM