

ADDENDUM NO. 01

The following items shall take precedence over the drawings and specifications for the above named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided, or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

Acknowledge receipt of this Addendum in the appropriate space on the Bid Form. Failure to do so may subject the bidder to disqualification.

Attachments

Documents: Pre-Bid Sign-in sheets (one page)

General

1. Bidders are hereby advised that information from bid documents which are not received from the sources listed in the Invitation for Bids is not legitimate and the bidder accepts full responsibility for any differences. RMF Engineering, Inc. has not authorized the scanning of their documents. Bidders should be aware that the plans are copyrighted and any unlawful use is subject to legal action. Bidders are further advised that the purchase and/or use of partial bid documents is not recommended and bidder will be responsible for any discrepancies which might have been avoided had a full set of documents been reviewed.
2. Listing of multiple products or manufacturers within specifications or approval of products or manufacturers via substitution request does not waive or preclude any and all performance, warranty or specific requirements listed within the specification unless specifically noted in the Addendum. Contractor may proceed with approved substitutions providing the Contractor assumes full responsibility for, and makes, at his own expense, any changes or adjustments in construction or connection with other work that may be required by the substitution of such materials, equipment or methods. Only manufacturers and products meeting the specification requirements and listed in the specifications or included in the Addendum shall be approved for the project. In the event of any adverse decisions by the A/E no claim of any sort shall be made or allowed against the Owner or A/E.
3. Bid Inquiries: Inquiries during the bidding period shall be addressed to:
Dennis Sepavich
RMF Engineering, Inc.
Suite G
194 Seven Farms Drive
Charleston, SC 29492
4. The attached pre-bid conference sign-in sheet indicates the attendees at the non-mandatory

Pre-Bid Conference held February 18, 2020 at 10:00 a.m. at Midlands Technical College, Airport Campus, Saluda Hall, Room 170:

CHANGES TO BID REQUIREMENTS

Contractor Questions

Orders Services, LLC – at pre-bid meeting

1. Will PCB testing be required on the transformers?

Response: Yes. PCB levels in the existing transformer are unknown. Contractor shall provide testing of the Industrial Building pole mounted transformers and dispose of the transformers properly.

Orders Services, LLC submitted via email 2/21/2020

1. Can we schedule a site visit with the appropriate person to open the MV switch so we can see the inside? We are available as soon as Monday if that happens to be a possibility.

Response: Contact Carey Page at MTC to gain access to the existing switch.

2. Based on space limitations and the depth of the hole required to get a 5" elbow in the existing MV switch, would it be permissible to instead use 4" conduit as long as it still meets the 40% conduit fill rule per NEC?

Response: Yes. A 4-inch conduit is acceptable.

Orders Services, LLC submitted via email 2/25/2020

1. Is temporary power required for the Industrial Bldg. during tie-in period, when existing power will be down? If so who's responsibility is it?

Response: No. Temporary Power to the building will not be required. Outage will need to be coordinated with the contractor on the concurrent building renovation/expansion project. See revised specification Section 011000 1.7C issued with this addendum.

2. Section 261200 (3.2) (A. 7.) refers to embedded channel in transformer pad, the detail on the drawing does not show this. Is it required?

Response: No. Paragraph deleted from specification section in this addendum.

3. E1.01 General Notes #9 states that the contractor shall hire a third party locating service to locate utilities owned by MTC, during the pre-bid meeting it was stated that MTC would hire the third party locating service. Who is responsible for hiring the third party locating service?

Response: MTC will locate underground utilities as stated in the pre-bid meeting.

4. Section 261200 (2.4) (B.10.) "Owner will witness all required factory tests." Is this required?

Response: No. Paragraph deleted from specification section in this addendum.

5. Section 261200 (3.5) (C.1.) “verify that grounding system at substation is tested at specified value or less.” Is this referring to the existing MV switch, new transformer, or is this section not applicable to this scope of work?

Response: This refers to the grounding system provided at the pad mounted transformer. Revised paragraph in this addendum to clarify.

6. Sheet E1.01 shows the primary conduit between the hand hole and the transformer as “Direct Buried Conduit.” Can this section of the primary feeder be in Sch. 40 PVC? Must this section of conduit be encased in concrete? Can the secondary conduit that is to be installed to within 5’ of the Industrial Bldg. be in Sch. 40 PVC. Must this section be encased in concrete?

Response: Concrete encasement not required. See revised section 260543 paragraph 3.1 included in this addendum.

Revisions to Drawings

Drawing E0.03 One-Line Diagram: revised feeder tag at Industrial Building Transformer to read 4-inch conduit instead of 5-inch conduit.

Drawing ED1.01 Add General Note 4: Contractor to remove existing medium voltage cables complete back to existing MV switch #10. For bidding purposes, contractor to include cost to remove existing cables from underground conduit between existing riser pole and medium voltage switch #10.

Drawing E1.01 General Note 9: Revise note to read “Owner shall hire a third party locating service to locate existing utilities in area of work prior to construction.

Revisions to Technical Specifications

011000 SUMMARY

Delete paragraph 1.7C and replace with the following language: Work requiring extended power outages shall be performed during weekend hours and coordinated with the Contractor currently onsite for the building renovation/expansion project. Outage shall not negatively impact the construction schedule of the concurrent renovation/expansion project.

260010 GENERAL PROVISIONS – ELECTRICAL

Add paragraph 3.6 PCB EQUIPMENT:

A. This project requires the removal, transport and disposal of electrical equipment containing Polychlorinated Biphenyl (PCB) in accordance with the Federal Toxic Substances Control Act (TSCA).

B.PCB Transformers: The contractor shall be responsible for disposal of Polychlorinated Biphenyl (PCB) transformers. The transformers shall be taken out of service and handled in accordance with the procedures of the Environmental Protection Agency (EPA) and the Department of Transportation (DOT) as outlined in Code of Federal Regulation (CFR), Titled 40 and 49 respectively. The EPA's Toxic Substance

Control Act (TSCA) Compliance Program Policy Nos. 6-PCB-6 and 6-PCB-7 also apply. Upon removal of PCB transformers for disposal, the "originator" copy of the Uniform Hazardous Waste Manifest (EPA Form 8700-22), along with the Uniform Hazardous Waste Manifest Continuation Sheet (EPA Form 8700-22A) shall be returned to the owner. Copies of the following listed CFR titles may be obtained from the Government Printing Office:

- a. 40 CFR 261 Identification and Listing of Hazardous Waste
- b. 40 CFR 262 Standards Applicable to Generators of Hazardous Waste
- c. 40 CFR 263 Standards Applicable to Transporters of Hazardous Waste
- d. 40 CFR 761 PCB Manufacturing, Processing, Distribution in Commerce, and use Prohibitions
- e. 49 CFR 172 Hazardous Material tables and Hazardous Material Communications Regulations
- f. 49 CFR 173 Shippers - General Requirements for Shipments and Packaging
- g. 49 CRR 173 Subpart A General
- h. 49 CFR 173 Subpart B Preparation of Hazardous Material for Transportation
- i. 49 CFR 173 Subpart J Other Regulated Material; Definitions and Preparation
- j. TSCA Compliance Program Policy Nos. 6-PCB-6 and 6-PCB-7

260513 MEDIUM VOLTAGE CABLES

Add paragraph 2.8 SEPRABLE INSULATED CONNECTORS, sub-paragraph A. Load-Break Cable Terminators: Elbow-type unit with 200-A continuous-current rating; designed for de-energized disconnecting and connecting; coordinated with insulation diameter, conductor size, and material of cable being terminated. Include test point on terminator body that is capacitance coupled.

260543 UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS

Paragraph 3.1 A, revised "unless otherwise noted" to read "direct buried unless noted otherwise".
Add Paragraph 3.1 B: Duct for Electrical Feeders 600 V and Less: Type EPC-40-PVC direct buried unless noted otherwise.

261200 MEDIUM VOLTAGE TRANSFORMERS

Specification Section 261200

Paragraph 2.1, A add item "6. ABB, Ltd" as an acceptable manufacturer.
Paragraph 2.4 B (6) delete "and on extreme tap connections."
Paragraph 2.4 B (10) delete in entirety. Witness testing not required.
Paragraph 3.2 A (7) deleted in entirety. Embedded rails not required.
Paragraph 3.5 B (1) replace the word "substation" with "pad mounted transformer".

END OF ADDENDUM NO. 1

ATTENDANCE SIGN-IN

[illegible]