



PINNACLE ENGINEERING GROUP, P.A.
2032 Thomasville Road, Suite C
Tallahassee, FL 32308
(850) 422-1763 – Phone

April 7, 2023

RESPONSE TO PRE-BID QUESTIONS
TCC 15KV SWITCHGEAR REPLACEMENT PROJECT
[PEG #222-126]

QUESTION: Reference Sheet E-6 [submitted by TCS Electrical Co.]

1. Please provide the contact information for the City of Tallahassee Engineer.

RESPONSE:

1. Ms. Tina Drose, 850-891-5016.

QUESTION: Reference Sheet E-4 [submitted by TCS Electrical Co.]

2. Will the contractor be allowed to isolate single circuits in the manhole for splicing while other circuits are energized, if the Contractor has the appropriate confined space and high voltage safety certifications and approved safety plan.

RESPONSE:

2. Yes.

QUESTION: Reference Sheet E-5 [submitted by TCS Electrical Co.]

3. Does TCC want to retain any of the removed equipment or poles? Capacitors, transformers, switchgear, cutouts, etc.

RESPONSE:

3. No.

QUESTION: Reference Sheet E-13 [submitted by TCS Electrical Co.]

4. Arc Flash Sensors and Bus Differential offer the same protection, are both required for redundant protection?

RESPONSE:

4. Yes.

QUESTION: Reference Sheet E-13 [submitted by TCS Electrical Co.]

5. Please provide intent of door switch input relay.

RESPONSE:

5. Door interlock to prevent circuit breaker (CB) operation with door open.

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QUESTION: Reference Sheet E-13 [submitted by TCS Electrical Co.]

6. Can fiber point sensors be utilized where determined appropriate by the manufacturer? (i.e. breaker cubicle.)

RESPONSE:

6. No.

QUESTION: Reference Sheet E-13, 15 [submitted by TCS Electrical Co.]

7. Will COT require COT relays in the gear for reverse power? Does it need PLC controls or can the SEL-751s be used for the auto-transfer scheme?

RESPONSE:

7. No. Use PLC controls.

QUESTION: Reference Sheet E-13 [submitted by TCS Electrical Co.]

8. The meters shown are redundant to the relay metering. Is redundant metering desired?

RESPONSE:

8. Yes.

QUESTION: Reference Spec 261219, Section 2.02 and 2.03 [submitted by TCS Electrical Co.]

9. Which transformer insulating fluid is required: B, C, D or E?

RESPONSE:

9. 'E'.

QUESTION: Reference Spec 261219, Section 2.03 [submitted by TCS Electrical Co.]

10. Are stainless steel enclosures required?

RESPONSE:

10. Yes.

QUESTION: Reference Spec 261219, Section 2.03 [submitted by TCS Electrical Co.]

11. (L) Live front or (M) dead front construction?

RESPONSE:

11. Dead front.

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QUESTION: Reference Spec 261219, Section 2.03 [submitted by TCS Electrical Co.]

12. Are all accessories per N required?

RESPONSE:

12. Yes.

QUESTION: Reference Spec 261326, Section 2.04 [submitted by TCS Electrical Co.]

13. Sheet E-13 shows 1200A bus, Section 2.04 shows 2000A bus, please clarify.

RESPONSE:

13. 2000A.

QUESTION: Reference Spec 261326, Section 2.06 [submitted by TCS Electrical Co.]

14. (H) Is the internal motorized racking accessory required?

RESPONSE:

14. Yes.

QUESTION: Reference Spec 261326, Section 2.07 [submitted by TCS Electrical Co.]

15. Sheet E-13, 15 shows SEL relaying, Section 2.07 shows Eaton relaying, please clarify.

RESPONSE:

15. Use SEL relays.

QUESTION: Reference Spec 261326, Section 2.15 [submitted by TCS Electrical Co.]

16. Is partial discharge sensing system required?

RESPONSE:

16. Yes.

QUESTION: Reference Spec 261326, Section 3.01 [submitted by TCS Electrical Co.]

17. Is Owner witness testing at the factory required?

RESPONSE:

17. Yes. Via live video such as a Zoom meeting.

QUESTION: Reference Spec 261326, Section 4.02 [submitted by TCS Electrical Co.]

18. Clarify Arc Resistant, Active Arc Resistant with Fiber Arc Systems or both Active and Passive with Fiber Arc System and Arc Exhaust options? Type 1 or Type 2?

RESPONSE:

18. Active Arc Resistant with Fiber Arc Systems. Type 1.

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QUESTION: Reference Spec 261326, Section 4.02 [submitted by TCS Electrical Co.]

19. Where should IR ports be located? If all connections including cable connections are booted, are IR ports required?

RESPONSE:

19. Front of gear.

QUESTION: Reference Spec 261326, Section 4.02 [submitted by TCS Electrical Co.]

20. Please clarify "provide local remote-control switches". Remote control from the HMI and a remote computer or a separate cabinet in the Ehouse with remote breaker control?

RESPONSE:

20. Each circuit breaker shall have a local/remote control switch. HMI shall have local/remote monitoring & control also.

QUESTION: Reference Sheet AA1-3 [asked by group during Pre-Bid Walk-Thru.]

21. Referencing the conduit and conductor run through Building 6 at the center of this Sheet: Is this run to be accessed and installed in a floored attic space of the building or is it to be accessed by ladder and installed in space above the ceiling.

RESPONSE:

21. With the exception of the short segment that would extend through the mechanical mezzanine the Pre-Bid group visited (adjacent to the elevator), the remainder of the run must be ladder accessed and installed above the second-floor ceiling. Referring to Work Note # 7 on this sheet: "Extend conduit through 2nd Floor above-ceiling space".

END OF RESPONSE TO QUESTIONS