

## ADDENDUM NO. 1

<b>Issue Date:</b>	March 10, 2023
<b>School / Facility Name:</b>	Holly Hill School
<b>Project Name:</b>	Replace Switchgear Bldg. 6
<b>Owner's Project No.:</b>	2347928

<b>Owner:</b>	School Board of Volusia County Florida 200 N. Clara Avenue, DeLand Florida 32720
<b>Owner's Project Manager:</b>	James Bott
<b>Project Manager's Location:</b>	3750 Olson Drive, Daytona Beach Florida 32124

<b>Engineer's Representative:</b>	Adrian W. Baus, PE, RCDD
<b>Engineer's Project No.:</b>	2022-169

The following modifications shall be incorporated to the previously distributed construction documents. Any questions regarding these modifications should be directed to the project architect or engineer for consideration.

### **The Drawings and Specifications are hereby modified as follows:**

#### **PRE-BID MEETING – March 7, 2023, 10:00 am**

The following items as discussed at the Pre-Bid Meeting shall clarify and modify the Contract Documents:

- This is a Mandatory Pre-Bid Conference. Attendees must sign in on sign-in-sheet. Prequalified Electrical Contractors are the Prime Bidders.
- Prime Bidders for this project are required to hold a current Certificate of Prequalification issued by the School Board of Volusia County Florida at the time of bid opening.
- Overview of some items in the Project Manual:
 

Construction Time:	Three Hundred Sixty-Five (365) consecutive calendar days after written "Notice to Proceed"
Bid Date and Time:	March 21, 2023, 1:30 pm
Liquidated Damages:	\$300.00 per day
Bid Bond A310:	Required
Performance and Payment Bond 640:	Required
- Questions from bidders must be submitted by midnight March 8, 2023. Email questions to Adrian Baus [abaus@matern.net](mailto:abaus@matern.net) and copy James Bott [jbott@volusia.k12.fl.us](mailto:jbott@volusia.k12.fl.us).
- Board approval of the bid is anticipated at the April 11, 2023 Board Meeting.
- Use of the Owner's Toilets is permitted. A set of toilets will be designated for the contractor's use. Contractor will be responsible for keeping said toilets stocked with soap, toilet paper and

paper towels for use by Contractor's Workers. Contractor will also be responsible for keeping said toilets clean.

- This project does not have permit or inspection fees from the School Board Building Department. Project will require inspections by the School Board Building Department. Contractor will need to request these inspections via the School Board Building Department's on-line system.
- VCS has first right of refusal for all materials and equipment removed under this project. Contractor shall load items the owner wants to retain onto VCS vehicles for transport by VCS. VCS intends to retain recyclable materials including copper wire and switchgear. Contractor shall dispose of any materials and equipment that VCS does not want to retain.
- FPL will need to deenergize the existing vault during outage. Contractor is responsible for paying all FPL charges for de-energization and re-energization. Power Company Contact is:

Beverly Hutto  
Sr. Technical Specialist  
Florida Power and Light  
3000 Spruce Creek Rd  
Port Orange, FL 32129  
386.322.3439 (office)

- Contractor must not block access to drives or dumpsters. Dumpsters must be accessible to custodians at all times.
- The existing on-site permanent natural gas fueled generator powers the kitchen freezer/cooler, and fire alarm panel. The natural gas meter will provide fuel for this generator and keep it fueled during the outage. This on-site generator does not power the lights and receptacles in the electrical room. Contractor is responsible for bringing their own portable generator and fuel to provide power for temporary lighting, equipment, and tools that they will need during the outage. Contractor is not permitted to obtain power for lighting, tools, and equipment from the owner's on-site generator system.
- The work of removing the existing switchgear replacement and installing the new shall occur when school is not in session (i.e. Winter break, Spring Break or Summer). To minimize disruption of custodial activities the actual power outage shall be limited to 3 days beginning on Friday morning and ending Sunday Afternoon. Contractor will need to have installation ready for inspection by VCS Building Department on Sunday Afternoon prior to re-energization by FPL. The scheduling of outages requires approval by the VCS Project Manager.
- The owner will be pay for concrete testing where the concrete passes test. Should test fail the contractor will have the cost of the failed test(s) deducted from their contract.
- The insulation resistance of the existing feeders being reconnected to the new MDP shall be tested. Contractor shall turn off breakers at the far end of the existing feeders for this testing. The testing procedure for the existing feeders will not require the existing far end connections to be disconnected.
- The existing switchboard is a Siemens switchboard. Siemens offers a new switchboard that is dimensionally compatible section by section with the footprint of their existing switchboard and

therefore the basis of design for the new switchboard. Due to the various constraints present in the room, the new switchboard has to have the same section by section foot prints as the existing sections. Equipment by Square D, General Electric, and Eaton are acceptable substitutions for the Siemens equipment provided the equipment has the same section by section foot prints as the existing Siemens switchboard.

- New Panel L6A is a 20 inch wide lighting and appliance type panel that can be sourced from Siemens, Square D, General Electric or Eaton. New Switchboard MDP and New Panel L6A shall obtained be from the same manufacturer.
- A zero dollar change order will be given for additional days if the lead time of the New Switchboard places actual delivery beyond the contract completion date.
- Given the potential length of time between the bid opening and the actual ordering/installation of commodity materials like copper wire, VCS may consider allowing change orders for significant cost escalations that occur over course of project for commodity materials. Contractor will need to have complete documentation for the material pricing at bid time and current pricing at time of order/installation for an increase in contract sum to be considered. Adjustments for escalation in the prices of Switchboards, Panelboards, and similar equipment are not permitted.
- VCS does intend to do Owner Direct Purchase (ODP) for the Gear Package per AIA Document A201-2017, Article 3.4.5 and FAC Document 641 Contractor's Direct Material Purchase Affidavit.
- Contractor shall deliver materials and equipment to site at time they are ready to be installed. Contractor shall store materials and equipment off site until they are ready to be installed. Conexes and similar on-site storage units are not permitted.
- VCS does not require the contractor to include additional on-site security as part of project.
- Contractor does not have to recoat the entire mechanical room floor. They only need to paint the areas that are patched to match existing.

## **QUESTIONS/RESPONSES**

**QUESTION 1:** The specs call for the fire alarm to be tested before and after the switchgear installation. Who currently monitors the schools fire alarm?

**RESPONSE:** The school board monitors the fire alarm system with their internal CMC group located at Olson Drive. Dynafire (Daytona Beach) is a fire alarm contractor that has done work on this campus. The level of testing is a minimum level of testing, just to confirm that the system is operational and to document any trouble conditions or supervisory conditions prior to the start of work and to confirm at the completion of work that the fire alarm system is still operational and no additional trouble conditions or supervisory conditions were created by the work.

**QUESTION 2:** Note 11 on sheet E600 says to field verify at the start of the project and provide new wall mounted starter/disconnects. The exact number, size, and control function of the starters is unknown. Can an allowance for this be added to the bid form for bidding purposes?

**RESPONSE:** Contractor shall assume (3) Three NEMA Size 1 Across The Line Starter/Disconnects with HOA Switches, red run pilot light, fused control power transformers for bidding purposes. Refer to Section 26 29 13 Motor Control additional information. Existing likely active starters in MCC are rated for up to 7-1/2 Horsepower. Existing active motors loads are anticipated to be 5 horsepower or less. There also is an existing MCC bucket that is being used as a 100 amp feeder unit (i.e. load not wired through an actual starter). Contractor shall include an additional 100 amp frame breaker for the new Switchboard above what is shown on schedule for this potential load needing to be refed. Upon award of project contractor shall field verify existing load and required trip setting for this breaker. This approximately 100 amp load appears to come into MCC via an overhead conduit. Contractor shall presume that they are intercepting the existing conduit and conductors of the 100 amp feeder near MCC with a screw cover pull box and extending it to the New MDP.

**QUESTION 3:** It was mentioned in the pre-bid that the shutdown would begin on Friday. Could the shutdown begin late on Thursday? What is the earliest possible time to shut down the switchgear if not done over Christmas break?

**RESPONSE:** Contractor could start late Thursday Night. Exact start time for outage would need to be coordinated with completion of custodial operations in the areas of the campus that would be impacted by the outage.

**QUESTION 4:** There are MCC buckets marked with what appeared to be kitchen related items. Can an approximate distance from the MCC to the possible loads or an allowance be provided for bidding purposes?

**RESPONSE:** Bidders shall include (3) 130 foot runs of ¾" EMT with (3) #10, (1) #10 Ground for these existing loads. Bidders shall also include control wiring consisting of (3) 130 foot runs of ¾" EMT with (4) #14, (1) #14 ground for control of starters. Upon award of project, Contractor shall field verify existing wiring in MCC and determine what is actually active and the exact characteristics required for starters, etc.

**QUESTION 5:** Would the crews be able to work throughout the night during the shutdown? If so, is supervision needed and would it require any additional costs from the owner?

**RESPONSE:** Contractor may work throughout the night during shutdown. Contractor is responsible for supervising his workers. Owner does not supervise the job site and would not be charging contractor for working overnight.

**QUESTION 6:** Would the owner consider keeping the underground feeds from the MCC instead of running new conduit overhead to the unknown locations? The contractor could install a pull box with a galvanized cover, cut the existing floor over to the location of the demolished switchgear, splice the existing conductors and extend these existing feeds directly into the new switchgear.

**RESPONSE:** No. Any needed refeeds of existing underground feeds shall be routed overhead.

Attachments: None.

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**END OF ADDENDUM NO. 1**

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