

ADDENDUM NO. 1**DATE:** May 22, 2023**PROJECT:** WCPSS Heritage High School and WCPSS Middle Creek High School
Emergency Shelter Generator Replacement Project
Garner, North Carolina
Dewberry Project # 50146589**OWNER:** Wake County Facilities Design and Construction
336 Fayetteville Street, Suite 1109
Raleigh, North Carolina 27601**ENGINEER:** Dewberry Engineers Inc.
2610 Wycliff Road
Suite 410
Raleigh, North Carolina 27607

This addendum is being issued to make clarifications to drawings and specifications dated May 1, 2023. Please incorporate all changes and clarifications noted into the contract documents. This addendum shall become part of the contract documents.

1. Please see attached May 16, 2023 Pre-Bid Meeting Minutes. The Pre-Bid Meeting Minutes shall become part of the contract documents.
2. Please note at the Middle Creek High School, WCPSS will be performing at mechanical renovation on site at the same time as this project. The existing boilers and chiller will be replaced. Coordination will be required between the two projects for completion.
3. Please reference attached Middle Creek High School, Sheet E-102, Electrical Site Work New Work. Please reference Key Note #20. Please note the generator shall be provided with a temporary trailer and reconnected during installation of new generator. At the end of the project the existing life safety generator shall be delivered to WCPSS Maintenance at 1551 Rock Quarry Road, Raleigh, NC.
4. Please reference attached Middle Creek High School, Sheet E-102, Electrical Site Work New Work. Please see modified Key Note #4 & Key Note #21 clarifying sizing and NEMA rating of junction boxes.
5. Please reference attached Middle Creek High School, Sheet E-102, Electrical Site Work New Work. Please see revised Key Note #19 for indication of PAC-CLAD flush panel in color almond, to use as the basis of design for the metal ceiling tile.
6. Please reference attached Middle Creek High School, Sheet E-503, Electrical Details. Please see handhole detailed removed from sheet since no hand holes are needed for this project.
7. Please reference attached Middle Creek High School, Sheet E-302, Electrical Riser New Work. Please see modified Key Note #2 to clarify "1,000-amp" ATS.
8. Please reference attached Heritage High School, Sheet E-302 Electrical Riser Diagram New Work. Please see existing components to remain located in Electrical Room 1625 added to riser diagram.

9. Please reference attached Heritage High School, Sheet E-302 Electrical Riser Diagram New Work. Please see modification of riser to indicated Panel Gen LC being fed from SCP-1.
10. Please reference attached revised Specification Section 263213 Packaged Engine Generators. Sound level ratings/requirements have been added in Section 2.15.A.
11. Please reference attached revised Specification Section 263600 Automatic Transfer Switch. Please see revised Paragraph 2.3 modifying the type of ATS needed for the project.
12. Please see the following clarifications:
 - a. Question: Heritage HS: Elec Room (1625) distribution equipment is left off the new work riser diagram. Please clarify if transformer T-12 and downstream components are to remain.
Response: Transformer T-12 and downstream components are existing to remain. Please see revised Heritage High Sheet E-302 New Work Riser showing these existing components.
 - b. Question: Heritage HS: (E302) new feeder to Gen LC is shown connected to panel SGP-2, panel schedules indicate panel SGP-1. Please clarify.
Response: Gen LC should be connected to SGP-1. Please see attached revised Sheet E-302.
 - c. Question: Middle Creek HS: (E102/E301), clarify location of transformer DT-PPA1A and disconnect switch. Components are shown on demolition riser diagram and not on plan sheet. Please clarify.
Response: Disconnect switch and transformer are noted as demolished back to source. The devices are no longer required. In new work the Panel PPA1A will be served from a 208/120V panel, and not directly from the switchboard. Currently, xfmr PPA1A is elevated in the main electrical room with the disconnect adjacent at normal mounting height.
 - d. Question: Specifications: Sections 263213 Packaged Engine Generators, and 263600 Transfer Switches: Both sections require circuit breakers with electronic trip units including a power supply to induce current for setting and calibration. Is the power supply required if testing and adjustment is completed by a testing contractor per the specifications and the power system study.
Response: Yes, it is required for current indication only while the generator is operational per section 2.12A, not for adjustment of trip settings. New Specification has been provided providing clarification on ATS types, refer to new specification section.
 - e. Question: Specification Section 263213 Packaged Engine Generators (2.15c): The sound level rating/requirements and criteria are not listed. Please clarify the level of sound attenuation required.
Response: Added to attached revised spec in bold section 2.15.A.

- f. Question: Middle Creek High: The notes and the one line are contradictory. The note 2 on E-302 calls for 2000A but the one line shows a 1000A.
Response: Please see revised Sheet E-302 for corrected Note #2 indicating a 1,000-amp ATS.
- g. Question: Middle Creek High: Please determine the size requirement for the junction box need per E-102 note 4 and 21. What nema rating is required for the junction box in the existing tile ceiling?
Response: Please see revised Sheet E-102. Exact junction boxes sizes shall be determined by Contractor based on NEC Section 314.28 and standard installation practices. Provide NEMA 3R junction box in Key Note #4. Provide NEMA 1 junction box in Key Note #21.
- h. Question: Middle Creek High: Part Number for Stainless Steel Tile per E-102 note 19
Response: Please see revised Sheet E-102, Key Note #19 for indication of PAC-CLAD flush panel in color almond, to use as the basis of design for the metal ceiling tile.
- i. Question: Heritage High: Please determine the size requirement for the junction box need per E-101 note 15.
Response: Exact junction boxes sizes shall be determined by Contractor based on NEC Section 314.28 and standard installation practices.
- j. Question: Middle Creek High: On E-503 Detail 5 its shows Handholes. Are there designated location for the install of handholes?
Response: No handholes are needed. Please see attached revised Sheet E-503 removing this detail.

END OF ADDENDUM NO. 1

MEETING MINUTES

Project: Heritage High & Middle Creek High School Emergency Shelter Generator Project
Wake Forest, North Carolina & Apex, North Carolina

Dewberry Project Number: 50146589

Date: May 16, 2023

Time: 3:00pm

Purpose: Pre-Bid Meeting

1. Introductions: Gary Wood introduced the Owner project team. Maged Sedarous will be the Wake County Government representative and Tony Champion will be the WCPSS representative. Gary Wood, Madison Harriman, and Johnny Wood will represent the design team during the project.
2. Description of Project: Gary Wood briefly described the scope of work for the project:
 - a. Heritage High: The work at Heritage High School generally includes installation of a new 600kW stand-by generator (no life safety served by new machine) to serve an existing chiller and additional loads inside the building. Work includes, but is not limited to:
 - i. New 600kW diesel generator and modification of existing distribution to incorporate
 - ii. Extension of existing enclosed service court (block/brick walls with slab floor) to incorporate new generator
 - iii. New housekeeping pad to accommodate the new generator
 - iv. Tie in of all controls
 - v. New SCADA system to serve new generator
 - b. Middle Creek: The work at Middle Creek High School generally includes installation of a new 500kW optional stand-by and life safety generator to serve existing optional stand-by switchboard section and existing life safety ats. Existing 400kW machine to serve a future chiller. Work includes, but is not limited to:
 - i. New 500kW diesel generator and modification of existing distribution to incorporate
 - ii. Existing 400kW diesel generator and modification of existing/new distribution to incorporate
 - iii. Removal of existing and installation of new chain link fencing around generator.
 - iv. Removal of existing legally required stand-by machine. Trailor existing machine and relocate to loading dock area. Return generator to owner at end of construction period.
 - v. New housekeeping pad to accommodate the new generator
 - vi. Tie in of all controls
 - vii. New SCADA system to serve new generator
3. Wake County Design and Construction Guidelines: All work will be in strict compliance with Wake County Design and Construction Guidelines including but not limited to the following:
 - a. This is an active facility and will remain occupied during construction. Regular business hours are Monday thru Friday 7:00 am to 6:00 pm. Construction work cannot affect normal operation of the facility.
 - b. Work is to be performed during normal business hours identified above.

- c. Wake County uses a shutdown procedure that must be strictly adhered to and followed including submitting the Impairment Authorization Form. Wake Co. (TA) will provide upon request.
 - d. All shutdowns require 72 business hours' notice.
 - e. All staff of the contractor and subs will be required to check-in with the Wake County Security Dept. to obtain photo ID badges that must be worn at all times while on site.
 - f. Do not tamper with the existing fire alarm devices in the main electrical room. The construction supervisor will be trained to put the fire alarm panel into "test" mode before work starts and return the system to "operation" at the end of the day. The contractor is still responsible for preventing false alarms (which will go off within the building).
 - g. Training for fire alarm system operation is expected to last one hour. More detail will follow in the Pre-Construction Meeting.
2. Single Prime Contract: Formal Bid Procedures per specifications
3. Bid Bond: Required...5% of Proposal. Please be sure to only use the bid bond form included in the Project Manual.
4. Performance Bond: Required...100% of Proposal.
5. Payment Bond: Required...100% of Proposal.
6. Construction Time Frame: 400 calendar days. We understand the issue of lead times today and we will work through any situations we face during construction. We do ask the Contractor to expedite things as much as possible.
7. Liquidated Damages:
 - a. \$300 per day until Substantial Completion
 - b. \$300 per day until Final Completion
8. MBE Requirements: Standard Wake County Government documentation. Submit form MBE-1 /MBE-2 or MBE-3 with bid.
9. Alternates:
 - a. Alternate No. 1: Generator Service Platform – Add new generator service platform as indicated on the Heritage High & Middle Creek High drawings and noted in specifications.
 - b. Alternate No. 2: Remote Annunciator – Add remote annunciator panel for Heritage High & Middle Creek High Generator as indicated on drawings.
 - c. Alternate No. 3: Add concrete edging under new chain link fence around generator in lieu of earth as shown on the Middle Creek High drawings and noted in the specifications.
 - d. Alternate No. 4: Add gravel within generator fence enclosure in lieu of each for Middle Creek High as indicated on drawings.
 - e. Alternate No. 5: Provide sod in lieu of seeding at Heritage High and Middle Creek High as indicated on drawings.
10. Unit Prices:
 - a. Unit Price No. 1: Remove existing unsuitable soil and replace with gravel.
11. Allowances:
 - a. Allowance No. 1: 100 cubic yards of removal of unsuitable soil and replacing with gravel. Amount not utilized will be returned to Owner.
 - b. Allowance No. 2: \$8,000 for payment of Wake County Construction Permit

12. Permits: The Designer will submit to Wake County Inspections for construction permit. Contractor will pay for construction permit from Allowance No. 2.
13. Access to Site:
 - a. All personnel on site must have Photo ID badge.
 - b. All contractor and sub-contractor employees will be subject to a background check. Names of personnel will need to be submitted to Wake County prior to work.
14. Deliveries: All deliveries shall be coordinated. Contractor shall be present for deliveries. Owner will not sign for or accept deliveries.
15. Lay-down Area: The contractor will have a designated lay-down area (to be determined). This would be in the service court general area. Temporary orange barrier construction fencing can be used. No permanent construction fencing is required.
16. Construction Meetings: The contractor will be required to attend biweekly construction meetings in order to coordinate the work schedule. A detailed schedule will be required. Schedule will be need to be communicated to occupants on a weekly basis.
17. Toilet Facilities: Toilet facilities within the building are not to be used for contractors. Contractors are responsible for their own portable toilets.
18. Shutdowns: The building systems must remain operational at all times. Temporary shutdowns will be scheduled in advance with minimum of 72 business hours' notice using approved GSA Impairment Authorization Form. Request form from Wake County.
19. Tobacco Products: The facility is a tobacco free and vaping free environment. No warnings. If smoking or vaping, staff will be escorted off of the property and not allowed back.
20. Clean-up: The contractor is responsible for daily clean-up. No trash or construction debris is allowed on the site
21. Coming Back to the Project Site: If you would like to come back to the project site to view the existing conditions, you may do so. Please check in at the front office of the school, indicate to them why you are on site, and the school staff can help you.
22. Opening of Bids:
 - a. Bid Opening is scheduled for **Thursday, May 25, 2023 at 2:00 PM.**
 - b. In person. No email bids accepted.
 - c. Enter the building on the South McDowell side for screening check. Allow extra time for screening and security check in.
 - d. Location: Wake County Justice Center
Procurement Services Department, Room 2900
301 South McDowell Street
Raleigh, NC

Note: Please be aware that the Wake County Justice Center is a secure facility and you will be required to pass thru security checks. Please allow sufficient time for this process.

23. Questions: All questions shall be submitted in writing to:

Johnny Wood
Dewberry Engineers Inc.
2610 Wycliff Road, Suite 410
Raleigh, NC 27607
(919) 215-2010 - phone
jwood@dewberry.com

24. Questions will be accepted until end of day on Friday, May 19, 2023. Final Addendum will be issued Monday, May 22, 2023.

25. As noted also, there will be an opportunity to walk the Middle Creek High project site tomorrow, May 17th at 3:00pm. This is just a walk through, not another "pre-bid" meeting. Please meet at the front entrance and all will walk to the generator area together.

Note: If you do not plan to Bid please notify Johnny Wood at jwood@dewberry.com.

26. Walk Site: All in attendance walked the project site to view the existing conditions.



SIGN IN SHEET

Project: Heritage High & Middle Creek High School Emergency Shelter Generator Project
 Wake Forest, North Carolina & Apex, North Carolina

Dewberry Project Number: 50146589

Date: May 16, 2023

Time: 3:00pm

Purpose: Pre-Bid Meeting

In Attendance

Name	✓	Organization	Phone	Email
Tim Ashby	✓	Wake County FD&C	919-856-6681	Roger.ashby@wakegov.com
Maged Sedarous	✓	Wake County FD&C	919-856-6364	maged.sedarous@wake.gov
Tony Champion	✓	WCPSS	919-770-4132	tchampion2@wcpss.net
Madison Harriman	✓	Dewberry Engineers Inc.	984-833-5966	mharriman@dewberry.com
Gary Wood	✓	Dewberry Engineers Inc.	919-614-2068	gwood@dewberry.com
Sam Batchelu	✓	Cypress Electrical	984-233-0437	cypress@beauchenenecompany.com
Armando Santiborez	✓	Nationwide Electrical	919-583-2364	Armando@nationwide-electric.com
Bethany Long	✓	Harrod and Assoc	919-828-7782	estimating@harrodandassoc.com
Brandon Bitting	✓	Bitting Electric	919-816-6242	bbitting@bittingelectric.com



SIGN IN SHEET

Project: Heritage High & Middle Creek High School Emergency Shelter Generator Project
 Wake Forest, North Carolina & Apex, North Carolina

Dewberry Project Number: 50146589

Date: May 17, 2023

Time: 3:00pm

Purpose: Site Visit to View Existing Conditions

In Attendance

Name	✓	Organization	Phone	Email
Maged Sedarous	✓	Wake County FD&C	919-856-6364	maged.sedarous@wake.gov
Tony Champion	✓	WCPSS	919-770-4132	tchampion2@wcpss.net
Madison Harriman	✓	Dewberry Engineers Inc.	984-833-5966	mharriman@dewberry.com
Gary Wood	✓	Dewberry Engineers Inc.	919-614-2068	gwood@dewberry.com
Sam Batchelor		Cypress Electrical	984-233-0437	cypress@beauchenecompany.com
Armando Santiborez	✓	Nationwide Electrical	919-583-2364	Armando@nationwide-electric.com
Bethany Long		Harrod and Assoc	919-828-7782	estimating@harrodandassoc.com
Brandon Bitting	✓	Bitting Electric	919-816-6242	bbitting@bittingelectric.com
Charles Keller	✓	Harrod and Assoc	919-828-7782	estimating@harrodandassoc.com