
Addendum No. 9

New Jersey Schools Development Authority
32 East Front Street
Trenton, NJ 08625
Phone: 609-858-2984

DATE: August 30, 2019

PROJECT #: ET-0099-B01

DESCRIPTION: New Perth Amboy High School

This addendum shall be considered part of the Bid Documents issued in connection with the referenced project. Should information conflict with the Bid Documents, this Addendum shall supersede the relevant information in the Bid Documents.

A. CHANGES TO THE PROCUREMENT PROCESS:

1. Modifications to the Advertisement, Request for Proposals and Associated Documents

- a. REPLACE:** The Price Proposal originally issued and dated March 26, 2019 and updated in Addendums #4, #7, and #8 shall be deleted and replaced with the Price Proposal dated August 29, 2019 and included herewith as Attachment 9.01.
- a. MODIFY:** All references in the Project Advertisement, the Request for Proposals and previously issued addenda to the due date for submission of Technical and Fee Proposals shall be modified to extend the deadline until 2:00 PM Eastern Time on September 24, 2019.
- b. MODIFY:** All references in the Project Advertisement and previously issued addenda to the date of the bid opening of Price Proposals shall be modified to extend the date for opening of Price Proposal until 2:00 PM Eastern Time on October 11, 2019.
- c. NOTE:** The tentative date for the Design-Builder interviews is October 9, 2019.

B. CHANGES TO THE PROJECT MANUAL:

NOTE: Additions are shown in **bold and underline** text; deletions are shown in *strikethrough and italics*.

1. Modifications to the Design-Build Agreement

- a. **ADD:** In Section 1.0 Definitions, add Paragraphs 1.27 and 1.74 as follows and renumber other items accordingly:

1.27 “Design-Build Information Package Clarification” or “DBIP Clarification” means a document issued by the Authority, either in response to an RFI or issued independently from the RFI process, which is intended to make some requirement of the Design-Build Information Package clearly understood, through the use of drawings, sketches, diagrams or a narrative.

1.74 “Request for Information” or “RFI” means a written request from the Design-Builder to the Authority seeking an interpretation or a clarification of some aspect or requirement of the Design-Build Information Package. The following do not constitute RFIs and shall not be submitted through the RFI process: Design Submissions, Schedule updates, Submittals, Shop Drawings or other Deliverables; routine project communications such as letters, memos, Meeting Minutes, Daily Field Reports or Monthly Field Reports; Requests for Substitutions and “Or Equal” Submittals. The process for submission of and response to an RFI is detailed elsewhere in this Agreement.

- b. **ADD:** In Section 6.0, Prosecution and Progress of the Services and Work, add Paragraph 6.14 as follows:

6.14 Requests for Information

6.14.1 General. In the event the Design-Builder determines that some provision or requirement of the drawings, specifications or some other portion of the Design-Build Contract Documents requires clarification or interpretation, the Design-Builder shall immediately submit a Request for Information (RFI) in writing to the Authority.

6.14.2 Submission by Design-Builder. Requests for Information can only be submitted by the Design Builder, and shall be submitted on the Request for Information Form prescribed by the Authority. Requests for Information submitted by subcontractors, suppliers or parties other than the

Design-Builder shall be rejected without review by the Authority.

6.14.3 Single-issue format. Each RFI shall be numbered sequentially and identified by subject. Each RFI shall be limited to a single subject; the Design-Builder shall not group multiple unrelated issues in a single RFI. If an RFI is submitted requesting information regarding multiple distinct issues, it will be rejected without review by the Authority and the Authority will direct the Design-Builder to resubmit the requests for clarification or interpretation as multiple, separate, single-subject RFIs.

6.14.4 Identification of contract language at issue. The RFI shall include a detailed, legible description of the contract requirement, item or language needing clarification or interpretation. The RFI shall set forth the Design-Builder's interpretation or understanding of the contract requirement, item or language, and the reasons why the Design-Builder has reached that understanding.

6.14.5 Submission date and requested response date. Each RFI shall include the submission date, and shall identify the date by which a response is needed.

6.14.6 Optional proposed resolution. The Design-Builder may offer a suggested resolution of the issue, to be described in the RFI. If the Design-Builder's suggested resolution of the issue will have an impact on the Contract Time or the Contract Price, the Design-Builder shall state such impact(s) in the RFI.

6.14.7 Citations to Contract Documents. The RFI shall include: citations to the specific section of the Design-Build Information Package at issue (including citation to drawing number, detail references or specifications, as appropriate); and a description of any relevant field conditions or dimensions, as appropriate. The RFI shall attach sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe the items needing interpretation.

6.14.8 Proper characterization. Each RFI submitted will be reviewed by the Authority and/or the CM on a preliminary basis to determine whether it is properly characterized as an RFI within the definition of an RFI contained in this Agreement. If upon Authority or CM review it is determined that the submitted

document does not properly constitute an RFI (e.g., the submitted document is not an RFI but is another type of submission (schedule submittal, request for substitution, shop drawing or product data submittal, etc.) or project communication (meeting minutes, project memo, transmittal or other document)), it will be returned to the Design-Builder without further review by the Authority, to permit the Design-Builder to submit the document in the proper format and in the proper manner for such type of submission or communication, in accordance with the terms of the contract.

6.14.9 Response timing. Responses to a properly-characterized RFI shall be issued by the Authority within ten (10) working days of the Authority's receipt of the RFI, unless the Authority determines that a longer period of time is necessary to provide an adequate response. If the nature of the RFI is such that a longer period of time is necessary for a response, the Authority shall, within ten (10) working days of receipt of the RFI, advise the Design-Builder of the need for additional response time, and shall provide an anticipated response time.

6.14.10 Response including DBIP Clarification. The Authority may issue a DBIP Clarification in response to an RFI seeking clarification of plans, sketches, specifications or some other aspect of the DBIP, or the Authority may proactively issue a DBIP clarification independently of any RFI submission when the Authority perceives a need to clarify or explain a requirement of the DBIP. A DBIP Clarification may be issued in the form of sketches, drawings or narrative responses.

6.14.11 No change to Contract Documents. The Authority's response to an RFI, including the issuance of a DBIP Clarification, will not change any requirement of the Design-Build Contract Documents unless explicitly noted in the Authority's DBIP Clarification or other response to the RFI. In the event that the Design-Builder believes that a response to an RFI constitutes or will require a Change in the Work, the Design-Builder shall provide written notice to the Authority, in accordance with the provisions of section 8.3.1 of this Agreement, stating that the Design-Builder considers the RFI response to constitute or require a Change in the Work. Failure to provide such written notice, within the time period specified in Section 8.3.1, shall waive the Design-Builder's right to seek

additional time or compensation under the “Changes to the Scope of Services and Work” Article of the Agreement.

- c. **MODIFY:** In Section 8.0, Changes to the Scope of Services and Work, modify Paragraph 8.1.2. as follows:
- 8.1.2. Changes in the Design Build Contract Documents Services and/or Work may only be accomplished by Change Order or Contract Change Directive consistent with the procedures and requirements set forth in this Section 8. ~~Submission or~~ **Any submission, response to, or** review of a **Design Submission**, Submittal or RFI does not constitute a Change in the Services or Work. Any Services or Work performed or undertaken by the Design Builder that differ from, or are in addition to, the Services or Work defined in the Contract, shall be performed at the Design Builder’s own financial risk, unless such additional or different Services or Work constituting a Change in the Services and/or Work is specified in an executed and approved Change Order or Contract Change Directive.
- d. **MODIFY:** In Section 10.0, Substantial Completion and Final Completion, modify Paragraph 10.5.2.(g) and (h) and add (i) as follows:
- (g) in compliance with the Prevailing Wage Act, written statements from the Design-Builder and all Subcontractors, certifying to the amounts then due and owing from the Design-Builder and Subcontractors to any and all workers for wages due. The statements shall contain the names of the persons whose wages are unpaid and the amount due to each respectively. The statements shall be verified by the oath of the Design-Builder or Subcontractor, as the case may be, that said party has read such statement subscribed by it that said party knows the contents thereof, and that the same is true of its own knowledge. If any Subcontractor refuses to furnish a release or waiver required by the Authority, the Design-Builder may furnish a bond satisfactory to the Authority to indemnify the Authority, the State and the Project School District against any loss. If any lien or claim remains unsatisfied after all payments are made, the Design-Builder shall refund to the Authority all monies that the latter may be compelled to pay in discharging such lien or claim, including all costs and reasonable attorney’s fees. The Authority may withhold from the final payment any sum that the Authority has reason to believe may be needed to satisfy any lien, claim or threat of lien arising from the Work; ~~and~~
- (h) all required Contractor Evaluation Forms, Form Nos. 521 and 522 to be provided by the CM and the Authority; **and**

(i) As-Built Documents and certification of accuracy of such documents as required in Section 5.17.3 herein.

2. Modifications to the General Requirements

a. MODIFY: In Section 01010, Summary of Work, further modify Paragraph 1.4.A. (previously modified in Addendums #4 and #8) as follows:

A. The Contract contains the following Allowance categories and amounts:

	<u>AMOUNT</u>
1. General Design and Construction Allowance	\$ 2,200,000.
2. Emergency Responder Radio Repeater System Allowance.....	400,000.
3. Building Envelope Acoustical Enhancement Allowance.....	1,000,000.
4. Emergency Generator Allowance	650,000.
5. Emergency Alert System Allowance	210,000.
6. Subsurface Conditions Allowance	2,010,000.
7. Outdoor School Sign Allowance	100,000.
<u>8. Domestic Water Conditioning Allowance.....</u>	<u>50,000.</u>
GMP Reserve Total.....	\$6,470,000 <u>\$5,620,000.</u>

b. ADD: In Section 01010, Summary of Work, add Paragraph 1.4.B.8. as follows:

8. The Domestic Water Conditioning Allowance is for the cost of water conditioning equipment in the event that it is determined that such equipment is necessary in accordance with Section D2010.20, Domestic Water Equipment, Paragraph I.C.2.

NOTE: The Allowance does not cover the costs of testing, existing conditions verification, design, and/or other Services necessary to determine whether utilization of this Allowance is necessary, nor the costs of preparing any relevant cost proposals for submission to the Authority for authorization of the relevant Allowance Work, as these costs shall be included in the Design-Builder's Price Proposal.

c. MODIFY In Section 01010, Summary of Work, modify Paragraph 2.1.A. as follows:

A. The following products or manufacturers have been approved by the Authority for proprietary specification and use in this Project:

1. Exit devices (Von Duprin)

2. Door closers (LCN 4000 Series)
3. Keying (Medeco X4)
4. Boilers (Aerco)
5. HVAC building management system (Trane Tracer ES)
6. Public address/sound system (Rauland Telecenter U)
7. Clock system (Sapling)
8. ~~Audio-video door entry~~ **Video security communication system** (Aiphone)
9. Intrusion detection system (Bosch)
10. Fire alarm system (Honeywell Notifier)
11. Video surveillance system (Lenel)
12. Uninterruptible power supplies (APC)
13. Network switches (Extreme)
- 14. Wireless controller and access points: Extreme**
- 15. Telephone System: Avaya**
- ~~16.~~ **16. HVAC (Calmac IceBank Ice Storage System)**

- d. **MODIFY:** In Section 01820, Operation and Maintenance Data and Training, modify Paragraph 2.1.A.14. and add Paragraph 2.1.A.15. as follows, renumbering subsequent paragraph accordingly:

14. ~~Communications systems, including intercommunication, surveillance, paging, clocks and programming, voice and data, and television equipment.~~ **Each communications system specified in Section D6000.00, Communications.**
- 15. Each entertainment system specified in Section E1070.00, Entertainment and Recreational Equipment See that Section for additional training and support requirements for systems specified therein.**

3. Modifications to the Performance Specifications

- a. **MODIFY:** In Section B2010.00, Exterior Walls, modify Paragraph II.A.6.a. as follows:
- a. Provide factory-fabricated metal copings, gutters and fasciae **of minimum .050" aluminum unless otherwise noted.**

- b. **ADD:** In Section B2010.00, Exterior Walls, add Paragraph II.A.10. as follows:

10. Air and Moisture Barrier

- a. **Provide a fluid-applied, monolithic elastomeric membrane continuously over exterior wall sheathing to mitigate air and water migration while permitting the passage of water vapor.**
- b. **Performance properties:**
 - i. **Dry film thickness: 40 mils.**
 - ii. **Maximum air permeance (ASTM 2178): 0.0001 cfm/sf.**
 - iii. **Minimum vapor permeance (ASTM E96/E96M): 13 perms.**
 - iv. **Elongation (ASTM D412 Die C): 900%.**
 - v. **Adhesion (ASTM D4541): 28 psi (concrete); 19 psi (exterior sheathing).**
- c. **Provide primer(s), sheet flashing, transition strips, and other accessory materials that are by the same manufacturer or recommended in writing by the manufacturer for compatibility with membrane and Project-specific adjacent construction.**
- d. **Basis of Design: Tremco ExoAir 220.**

- c. **ADD:** In Section B2020.00, Exterior Windows, add Paragraph II.A.6. as follows:

- a. **Where window units are exposed to weather on both sides, provide fixed units matching profile and appearance of other fixed windows, without thermal breaks, insulated glazing, or operating hardware.**

- d. **MODIFY:** In Section C1090.70, Storage Specialties, modify Paragraph II.A.1.c. as follows:

- c. *Integral backsplash* **Backsplash matching countertop.**

- e. **ADD:** In Section C1090.70, Storage Specialties, add Paragraph II.A.4. as follows:

4. Automotive Lab and Support Spaces

- a. **Heavy-duty steel workbenches with storage, three-point locks, and 1-3/4" solid maple tops.**
- b. **Provide fixed units bolted to floor where indicated.**
- c. **Provide mobile units with 5" locking swivel casters in sizes and quantities indicated.**

d. Basis of Design: Uline Model H-6995-Maple.

- f. **MODIFY:** In Section C2000.00, Interior Finishes, modify Paragraph II.C.1.a. as follows:
- a. WP-1 Wood Veneered Panel: ~~48" x 96"~~ tongue-and-groove veneer panels.
- g. **MODIFY:** In Section C2000.00, Interior Finishes, Tables C2000.00-1 and C2000.00-3, modify style for RFE-2 and RFE-3 as follows:
- Palma PaliKrom **125**
- h. **ADD:** In Section C2000.00, Interior Finishes, add Paragraph II.C.3. as follows:
- 3. Provide detailed shop drawings showing panel sizes, grain direction and mirroring, and other features for approval by the Authority.**
- i. **MODIFY:** In Section D2010.20, Domestic Water Equipment, modify Paragraph I.A.2. as follows:
- 2. Domestic water equipment elements ~~may comprise~~ **include** the following:
 - a. Domestic water pumps.
 - b. Domestic water pressure booster pumps.
 - c. Domestic water filtration equipment.
 - d. Domestic water softeners, deionization, and other water **filtering and** treatment equipment.
 - e. Domestic water heaters.
 - f. Waste interceptors.
 - g. Other pumps, tanks, treatment, and miscellaneous equipment to provide a complete domestic water system in compliance with project requirements and applicable codes.
- j. **MODIFY:** In Section D2010.20, Domestic Water Equipment, modify Paragraph I.C.2. as follows:
- 2. Water conditioning: ~~Provide water supply with conditioning equipment~~ **The Design-Builder shall review the latest water quality data available from the water supply utility to determine whether water conditioning equipment is necessary** to remove odors and deliver water at a pH of approximately 7.0. **If necessary, test incoming water supply. The Design-Builder shall provide the Authority with its findings and results and make**

recommendations for water conditioning equipment including, if requested, a price proposal to furnish and install such equipment.

- a. *A water conditioning system is still required if the domestic water provided by the municipal system is approximately 7.0. **If determined by the Authority to be necessary, provide water conditioning equipment to remove odors and deliver water at a pH of approximately 7.0. The Water Conditioning Allowance shall be utilized for the cost of this equipment.***

- k. **MODIFY:** In Section D2010.20, Domestic Water Equipment, modify Paragraph II.G. as follows:

- G. Acid waste system: Provide acid waste systems including but not limited to acid resistant plastic piping and an acid neutralization tank.
1. All sinks and fume hood sinks in all Science Labs, Prep Rooms, and Central Chemical Storage Room shall be equipped with an acid waste *piping* system.
 2. *Provide one 55-gallon acidic waste neutralization tank for each system in Custodial Closet or where otherwise indicated, **Locate acid waste neutralization tank(s) in underground vault(s) located beneath first-floor Science Prep Room(s) or other first-floor locations as approved by the Authority,*** with venting as required by code.
 3. Provide code-compliant fire-retardant polypropylene (PP), polyvinylidene fluoride (PVDF), or chlorinated polyvinyl chloride (CPVC) waste piping from indicated sinks to neutralization tank.
 4. Provide all piping, fittings and solvents certified for use in chemical waste systems.
 5. Basis of Design for tank: *Zurn Model No. Z9A-NT-55* **MIFAB MI-NEUT series.**
 6. **Size system(s) in accordance with manufacturer's recommendations.**
 7. **Install units in precast concrete vaults, sized to accommodate fittings and flow control devices, with drainage, locking covers, and approved waterproof coating inside and out. Provide vault(s) with solid, gasketed galvanized steel covers with non-slip surface texture and recessed lifting handles and frames.**

- l. **MODIFY:** In Section D2010.20, Domestic Water Equipment, modify Paragraph III.A.13. as follows:

13. Group sinks with acid neutralization systems to minimize maintenance requirements. At a minimum, group adjacent sinks in common countertops in a shared system. Where practical, provide systems serving entire labs or pairs of labs. Size each tank in accordance with

ASPE Chapter 32 **manufacturer's recommendations** and all code requirements.

- m. **MODIFY:** In Section D3000.00, Heating, Ventilation, and Air Conditioning, modify Paragraph I.A.9.d.(9) (on Page 13 of 28; renumbered to (17) in Addendum #8) as follows:

(9) Main Electrical Room and Emergency Electrical Room.

- (a) Provide each space with an indoor vertical air-handling unit to condition the space to a maximum of 95 deg F indoor temperature ~~and ensure that the space does not exceed 104 deg F maximum per NEC~~. Provide single system to serve both spaces when proximity allows.

(b) In other electrical rooms, provide conditioning of space to ensure that temperature does not exceed 104 degrees F, maximum per NEC at any time. Provide dedicated split systems per D3000.00 I.A.9.d.(8) if necessary to do so.

- n. **MODIFY:** In Section D3000.00, Heating, Ventilation, and Air Conditioning, modify Paragraph I.E.1.a. as follows:

- a. Provide equipment with low ambient controls. Avoid conditions that create the potential for freezing. Hydronic lines that are located on the exterior of the building ~~or which serve units that take in outside air~~ shall be a mixture of glycol and water. In addition, the hot water pumps shall be energized automatically any time the ambient temperature is less than or equal to 35 deg F.

- o. **MODIFY:** In Section D5000.00, Electrical, modify Paragraphs II.A.3, 4 and 5 and add Paragraph 6 as follows, renumbering subsequent items accordingly:

3. Class 1 remote control and signal circuits shall be stranded copper, type THHN/THWN, minimum conductor size of #14 AWG, ~~in raceway~~, complying with **NEC 725 and** UL 83.
4. Class 2 **and Class 3 power limited** ~~low energy~~, remote control and signal circuits shall be stranded copper, type THHN/THWN, minimum conductor size of #16 AWG, ~~in raceway~~, complying with **NEC 725 and** UL 83.
5. Class 3 low energy, remote control, alarm and signal circuits shall be stranded copper, type THHN/THWN, TW, or TF, minimum conductor size of #12 AWG, ~~in raceway~~, complying with **NEC 725 and** UL 83.
- 6. Install low-voltage circuits in accordance with NEC 725, UL 83, and other applicable standards and codes.**

p. **ADD:** In Section D5000.00, Electrical, add Paragraph II.C. as follows:

C. Cable Tray

- a. **Provide wire basket cable tray in a 2" x 2" mesh pattern, with all welded intersections.**
- b. **Provide a complete cable tray system with all components of a single manufacturer.**
- c. **The cable tray system and all components shall be classified and labeled by UL as an equipment grounding conductor, with all bonding and grounding points bolted in accordance with manufacturer's instructions.**
 - i. **UL Classification shall not be compromised by field modification.**
- d. **Provide cable tray sizes, grounding and supports as required to ensure compliance with NEC Article 392 and all NEMA standards.**
- e. **Wherever cable tray is used, coordinate locations with other utilities in order to ensure service access.**
 - i. **Submit signed and sealed cable tray shop drawings, and complete coordination drawings as required by Section 01100.**
- f. **Basis of Design: Wiremaid Cable-MGR Pro-10 or Panduit Wyr-Grid.**

q. **MODIFY:** In Section D5010.10, Facilities Power Generation, modify Paragraph I.A.3. as follows:

- a. **See Specifications Section 01010, Summary of Work, Paragraph 1.4. *This Allowance, once authorized by the Authority, is intended to increase the capacity of the emergency generator system to provide full-emergency operation of all HVAC, plumbing and electrical services for all spaces in the Emergency Utility Zone as indicated in Figure D5010.10-1.***
- ~~b. *Use of the Emergency Generator Allowance is limited to costs associated with increased capacity of the feeder circuits, emergency generators, automatic transfer switch(s), controls, and associated distribution equipment only. All other utilities and services shall be zoned in the base bid so that no other modifications are necessary in the event that the Authority authorizes use of the Emergency Generator Allowance.*~~
- ~~c. *In the event that the Authority chooses not to authorize use of the Emergency Generator Allowance, the building shall be fully code-compliant and operational and equipped with emergency service as specified in I.A.1. and I.A.2. above.*~~

- r. **ADD:** In Section D5020.00, Electrical Service and Distribution, add Paragraph I.A.4. as follows and renumber subsequent items accordingly:

4. Provide electrical rooms and/or closets, panelboard quantities and sizes, conductor sizes, and transformer taps as necessary to comply with NEC requirements for voltage drop.

In the event the Design-Builder chooses to modify the number, size or arrangement of electrical rooms or closets from what is provided in the Design-Build Information Package, it shall be done at no cost to the Authority and in such a way so as to maintain the integrity of the Schematic Design in regard to the number, type, size, and relationship of program spaces and design features.

- s. **REPLACE:** Replace Section D6000.00, Communications, in its entirety with new Section D6000.00 dated August 26, 2019 and included herewith as Attachments 9.02 (clean version) and 9.03 (tracked version).

- t. **ADD:** In Section E1030.80, Food Service Equipment, add Paragraph II.D.18. and renumber subsequent item accordingly:

18. Warewasher, Door Type

a. Provide front-loading split door type as scheduled, with the following accessories:

- i. Pressure regulator valve.**
- ii. Drain water tempering kit.**
- iii. Steam pan rack.**

- u. **REPLACE:** Replace Section E1070.00, Entertainment and Recreational Equipment, in its entirety with new Section E1070.00 dated August 29, 2019 and included herewith as Attachment 9.04.

4. Modifications to the Design Manual

(Not applicable)

C. CHANGES TO THE EDUCATIONAL SPECIFICATIONS:

(Not applicable)

D. CHANGES TO THE DRAWINGS:

(Not applicable)

E. BIDDER'S QUESTIONS, REQUESTS FOR INFORMATION AND RESPONSES:

1. Question: Referencing Section D2010.20 Domestic Water Equipment Section C,2,a, provide details as to the specifics of providing a water conditioning system if the municipal system is approximately 7.0 pH. What will the conditioning equipment do?

Response: See Items B.2.a, and B.2.b. above.

2. Question: Spec section E1070.00, includes a "Television Studio Equipment" (Schedule 1070.00-1), and a "Digital Audio Equipment" (Schedule 1070.00-2). Please confirm the following:

- a. Who is responsible to provide and install these pieces of equipment?
- b. Is the Television Studio the Communications / Broadcasting Lab C209?
- c. Control Room C209A is 213 sf, and the Communications / Broadcasting Lab is 300 sf. Are all the equipment noted in Schedule 1070.00-1 slated to go in these 2 spaces?
- d. Sound Booth Room C117A is 170sf. Is all the equipment noted in Schedule 1070.00-2 slated to go in this space?

Response:

- a. The Design-Builder is responsible for furnishing and installing all equipment specified in Section E1070.00 and listed in Schedules E1070.00-1 through E1070.00-7. See Item B.3.u. above.
- b. See Item B.3.u. above and Attachment 9.04.
- c. The referenced Schedule has been replaced. See Item B.3.u. above and Attachment 9.04.
- d. No. The equipment listed in Schedule E1070.00-6 is to be located in Room C118B Control Room.

3. Question: Referencing Table D6000.00-1 Communications Responsibility, clarification is requested to confirm that the structured cable from the room locations to the MDF/IDF patch panels only are by the D/B. The SDA will provide all installation labor and equipment for switches, routers, patch cords, and for copper and fiber to make the data systems complete.

Response: Incorrect. See Item B.3.s. above.

4. Question: Referencing Table D6000.00-1 Communications Responsibility, clarification is requested to confirm that the cabling and end terminations for the interactive display devices/COAX cable television only are by the D/B. The SDA will provide all installation labor and equipment for converters, splitters, and combiners to make the systems complete.

Response: Incorrect. See Item B.3.s. above.

5. Question: SDA Materials and System Standards section D6010 calls for 80 m limit of horizontal tele/data cabling. There appear to be some rooms, for example Office E101, which will exceed this distance given IDF locations on the RFP plans. Can this limit be increased to 90 m which is a more common industry limit that still allows for 5 m of patch cables at both ends to stay under the 100 m CAT-6 limit?

Response: No, the horizontal cable path cannot exceed 80m. See additional IDF locations in the revised Drawings A-101 and A-102, issued in Addendum No. 8 as Attachments 8.07 and 8.08 (pdf) and 8.12 and 8.13 (dwfx).

6. Question: Table D6000.00-1 defines switches for systems as part of contract. However, these switches are not defined in part 2 Products. Should they match the Security Switches listed in paragraph S?

Response: Switches are specified in Part II of Section D6000.00. See Item B.3.s. above.

7. Question: Schedule 1070.00-1 lists Television Studio Equipment. No room by that name is shown on the plans or listed in the Ed Specs. Is this equipment list for the room Communications Broadcasting C209?

Response: The equipment in question is located in the Communications/Broadcasting Lab and Control Room and is specified in Table E1070.00-5. See Item B.3.u. above.

8. Question: Tables 1070.00-1 and 1070.00-2 list AV equipment. Is this provided by the DB or part of the FF&E package and only infrastructure is required?

Response: All equipment specified in Section E1070.00 is to be provided by the Design-Builder. See Item B.3.u. above .

9. Question: Electrical rooms are not required by the bidding documents (D3000.00) to receive split systems or any other cooling. Please confirm this is correct.

Response: Not correct. Cooling may be required. See Item B.3.m. above.

10. Question: The outdoor learning area on the 3rd floor. The exterior south wall extends full height and includes (7) windows. These windows will be exposed to the elements on both sides, and will not meet any warranties. These windows are also shown as being operable. Moisture can get inside and cause the potential for condensation. Can the windows be eliminated? What is the design intent?

Response: The Authority has confirmed with at least one of the manufacturers who are listed as the Basis of Design the appropriate portions of their warranties will remain in effect. The operable windows in this area have

been replaced with fixed windows and may not be eliminated. See Item B.3.c. above.

11. Question: Contract Specification D2010.20, I, C, 2 requires centralized domestic water treatment/conditioning equipment to remove odors and deliver water to the school at a PH level of approximately 7.0. In order to quantify in the bid the cost for such domestic water treatment/conditioning equipment, the following information is required:
- a. Water test analysis/reports for condition of water supplied by municipal water mains in Convery Boulevard and Chamberlain Avenue.
 - b. Performance specifications for the domestic water treatment/conditioning equipment.
 - c. Propose room location for the domestic water treatment/conditioning equipment.

Response: See Items B.2.a. and B.2.b. above.

12. Question: Contract Specification E1030.80 is missing information in Section II, D for the dishwashing machine required by Contract Drawing AK- 101.

Response: See revised Drawing AK-101 dated July 26, 2019, issued with Addendum #7 as Attachments 7.06 (pdf) and 7.07 (dwfx). See also Item B.3.t. above.

13. Question: Contract Specification D3050.50, I, D, 1, a requires humidifiers for this project. Contract Documents do not provide specifications for humidifiers or a list of areas that require that equipment.

Response: The referenced paragraph is a performance requirement in the event humidification is required. Provide humidity control as required by Section D3050.50, HVAC Air Distribution, Paragraph I.C.2., and as required to meet indoor design parameters and to meet manufacturers' recommended space conditions for equipment.

14. Question: Contract Specification D6000.00 and D5000.00 are not clear in providing information on acceptable methods to install low voltage cables. In order to quantify in the bid the cost for installation of a low-voltage cables in this project, the following clarifications are required:

- a. Can the low voltage cables be installed in a cable tray system?
- b. If cable tray installation is an acceptable means to install low voltage cables, provide specifications for the cable tray system.
- c. If cable tray insulation is not an acceptable means to install low-voltage cables, provide information in the required means for that installation.

Response: Cable tray may be used for low-voltage circuits as permitted by code. See Items B.3.o. and B.3.p. above.

15. Question: Considering that the first floor has a total length of 878'-8" and width of 506'-8", and that the Main Electrical Service Room #D130 is located close to the North-Western end of the first floor, additional electrical distribution rooms to the two (2) rooms already indicated in Contract Drawing A-101 (Electrical Rooms #C127 and #C129) will be required. Provide guidance/information for other rooms in the first floor that can be utilized as additional electrical distribution rooms.

Response: The Schematic Design identifies numerous electrical spaces in addition to those cited in the question. In addition, unprogrammed storage or closet spaces may, if required and subject to approval by the Authority, be utilized for additional electrical distribution rooms and other building services.

In the event that the Design-Builder believes that it may be necessary to add building service spaces, it shall be done at no cost to the Authority and in such a way so as to maintain the integrity of the Basis of Design in regard to the number, type, size, and relationship of program spaces and design features. See also Item B.2.r. above.

16. Question: Contract Specification D2010.20, II, G requires a 55-gallon acidic waste neutralizing tank for sinks and fume hoods in Science Labs and Science Prep-Rooms, and for those tanks to be located in Custodial Closets. However, Contract Drawing A-101 indicates multiple Science Labs in the first floor that will require for the 55-gallon acidic waste neutralizing tank to be installed underground.

- a. In order to quantity in the bid the cost for the location and quantity of 55-gallon neutralizing tanks and associated drainage and vent piping, the following information is required:
- b. Location for underground acid neutralizing tank for Science Labs in the first floor.
- c. Can local acid neutralizing tanks be utilized for the first floor Science Labs in order to avoid the installation of underground acid neutralizing tanks?

Response: a. (No question is asked.)
b. See Items B.3.k. and B.3.l. above.
c. No. First-floor underground acid waste neutralization tanks are required. See Items B.3.k. and B.3.l. above.

17. Question: Contract Specification D2010.20, III, A, 13 makes reference to ASPE Chapter 32 for sizing acid neutralizing tanks. However, that referenced document does not provide the information to size neutralizing tanks.

Response: See Items B.3.k. and B.3.l. above.

18. Question: Referencing SECTION D2010.20 DOMESTIC WATER EQUIPMENT; The specification is elusive to the domestic water equipment element in that the work "may" is part of the itemization in section I, A, 2. This RFI requests whether a unitary site water softener system is required. The size of the system and maintenance costs will offset any benefit for water quality. As this will affect the project cost, a directive to the prospective bidders is requested so as provide the most cost competitive proposal to identify the size of the system and clarify the design.

Response: See Items B.2.a. and B.2.b. above.

19. Question: Floor Plan A-101 shows (2) small corner walls located outside the main entry vestibule C100 with no description. Building Elevation A-201 shows this as an upside down "U" shaped element noted as B2010.00-05 (Manufactured Fascia). Since it calls for a fascia, confirm is we are to follow spec section B1020.30(II.A.5) and use the 3000 series single skin metal panels, or if we are to follow section B2010.00(II.A.5) and use the 2" thick metal wall panels for this element? Also, is the design intent to have this as a 'freestanding element' as it sits about 12" away from the Media Center segmented glazed wall?

Response: There is no section B1020.30 included in the Performance Specifications. The Basis of Design for the cladding of this element shall be the 2" thick panels specified at Section B2010.00, Paragraph II.A.5.a.(1). The element is to be freestanding.

20. Question: In response to the NJSDA Addendum #3 and, specifically, question 43, the inclusion of a 30,000-gallon fire water storage tank is of a significant size and placement on the site is limited to the requirement to use a turbine pump which must be directly above the tank to gain the suction pressure. To allow for lifetime maintenance (meeting NFPA Code requirements) and a practical exterior design, the underground storage fire water tank can be placed near the location of the loading dock outside the exterior maintenance storage (E106). This RFI requests the ability to modify the floor plan to construct a fire pump room at the location where the pump room would be partially located over the tank. A manway would be exposed for the mandated 5-year inspection where the water tank is drained and personnel enter to verify proper condition of the tank

Response: The assertion regarding the location of the pump is incorrect. Locating the pump in a pump vault separate from the break tank is not prohibited.

The break tank may not be located within the building footprint. See Section G3000.00, Paragraph II.F.4.

21. Question: Is the traffic study provided sufficiently complete in accordance with the State Highway Access management code to support an application for the

widening and confirming that all required study locations by NJDOT Access Code criteria has been addressed and Level of Service degradations and required mitigation in accordance with the Code addressed? Can the study be relied upon and the preparer relied upon to support a DOT permit application?

Response: No, the Traffic Impact Analysis provided in the Design-Build Information Package should not be relied upon to support a NJ Department of Transportation permit application. The Analysis was prepared by the Authority's consultant only to evaluate the project site, and it is not in full compliance with the NJDOT State Highway Access Management Code Traffic Impact Study criteria. Further, the addition of a turning lane on Chamberlain Avenue at the intersection of NJ Route 35 was in response to a request of the municipal police department and not supported by the Analysis. The Design-Builder shall be responsible to provide the application(s) and any supplemental work necessary to secure all required NJ Department of Transportation permits.

22. Question: Contract Specification D5010.10, I, A, 3 indicates that the emergency generator allowance in the bid (\$650,000 allowance indicated in Contract Specification 01010) is to cover the cost to increase the capacity of the emergency generator system to provide full emergency operation of all HVAC, plumbing and electrical services for all spaces in the Emergency Utility Zone. Verify that none of the central HVAC systems that service the Emergency Utility Zone are to be factored in the base contract for sizing the emergency generator system and that the only HVAC systems that shall be considered for sizing the generator system for the base contract are the ones serving the rooms listed under Specification D5010.10, I, 1, f, (2).

Response: The base contract generator system shall have sufficient capacity to power the life safety systems identified in Section D5010.10, Paragraph I.A.1.e, and the non-life safety systems identified in Section D5010.10, Paragraph I.A.1.f. Also see Item B.3.q. above modifying Section D5010.10 I.A.3.

23. Question: Are the utility meters for gas, water and electrical required to be integrated to the automatic temperature controls system for this project? If so, were the utility companies made aware of that requirement to connect utility meters to the ATC system during the "Utility Capacity Verification" and request for "Will Service Letters" coordination phase prior to issuing the project for bid? The reason for this RFI is that there are utility companies that do not permit for their meters to be connected to an ATC system.

Response: While there is no requirement to do so, integration of utility metering with the Building Management System may be a method for satisfying LEED sub-metering requirements. The Design-Builder shall be responsible for determining the viability of such integration in developing its proposed approach to LEED and LEED certification level.

24. Question: In reference to Sustainability please clarify if there is a minimum for water consumption of the plumbing fixtures. Water Sense labeling will be required, in addition to energy star rated appliances in the breakrooms and kitchen as applies. (this states maximum, so I am not sure if an RFI is required since it also states regarding LEED requirements). *Water Closets, Urinals, Private lavatories, and Showerheads are required to be Water Sense.

Response: Provide fixtures and flow rates in accordance with code and all Project requirements.

25. Question: Please confirm if MUTCD signage is required for the one-way circulation around the school to help with traffic flow. No signage (one-way directional, do not enter, etc.) is provided.

Response: Confirmed. Signage conforming to both the Federal Highway Administration Manual on Uniform Traffic Control Devices for Streets and Highways and the New Jersey Department of Transportation Supplemental Guide Signing Manual is required. See Section G2010.00, Paragraph I.A.3.a.

26. Question: Site Plan Drawing No. AS-101 notes a future 'Middlesex County' Connector Project (right-of-way) along the Eastern property line (shown in blue). On this plan, the drainage structures are not depicted. When overlaid, several drainage inlets that are proposed for the school project lie within this future road right-of-way which would not be entirely on the school property. Please confirm this is acceptable to the NJSDA.

Response: Confirmed—This is acceptable to the Authority.

27. Question: Please confirm that the sanitary run from Sanitary Manhole #4 to Sanitary Manhole #6 is required. No service laterals connect into this line along the northern portion of the site (from the school or adjacent sites).

Response: The Design-Build Information Package anticipates multiple building drains connecting to the sewer between manholes #4 and #6. Other configurations which do not require the sewer upstream of manhole #6 are possible and acceptable. The Design-Builder need only install that portion of the sewer necessary to connect the proposed building drains to the sewer at MH #6.

NOTE: The entirety of the sanitary bypass from manhole #1 to the connection to the existing manhole downstream of manhole #3 must be constructed and no building drain may connect to that bypass.

28. Question: Reference Spec Section C2000.00 (11.C.1). Provide a Basis of Design / model number for Auditorium "WP-1" (48"x96" tongue and groove Wood Veneered Panel). WP-2, and WP-3, Basis of Design is noted as

"Armstrong Woodworks", however Armstrong does not have a 48"x96" Wood Veneered Panel. Please advise.

Response: See Items B.3.f. and B.3.h. above.

29. Question: Reference is made to Addendum #6 response to question 79. Please provide confirmation that window type HF6 does not require security glazing. This window type HF6 (quantity 13) is located in the various staff offices overlooking the bridge walkway (labeled as Corridor C200B). While Corridor C200B does not have a direct physical connection to these offices, the windows in these spaces are located within a close range to the walkway and thus provide a visual connection and can allow someone to see if the spaces are occupied.

Response: See Item F.2. below.

30. Question: Reference is made to Addendum #2 (B.2.e) where a Fire Curtain was added to the fabric schedule. The schedule notes "As required by code". The distance from the stage floor to bottom of steel onstage is approx. 48', and per IBC 2015 sections 410.3.4, and 410.3.5 a Fire Curtain System is only needed if the onstage height is greater than 50'. Drawing A-402 Interior Elevation (EI) seems to show a Trip-Style Fire Curtain drawn in. Trip-Style Fire Curtains are not recognized by current building codes due to reliability problems. Since the fabric schedule added a Fire Curtain (even though it is not required by NJ IBC), we are looking for clarification whether or not one is to be provided as a DBIP requirement.

Response: Drawing A-402 does not illustrate a fire curtain, and it is not the intent of the Authority to require one if it is not required by code. Determination of the need for a fire curtain is the responsibility of the Design-Builder. The curtain immediately downstage of the main traveler is the main valance. The curtain immediately upstage of the main traveler is the first cyc border.

31. Question: In section C1090.70 page 3, they note plastic laminated countertops at basic plam cabinet locations are to have "integral backsplash". Typically, backsplashes would be set-on after the top is installed. Doing it this way allows for a cleaner installation in that inconsistencies in the walls is avoided and provides a better finished product. Providing an integral splash would increase the cost for the material as well as installation costs. Verify if set-on splashes would be acceptable.

Response: See Item B.3.d. above.

32. Question: With regards to epoxy tops at Science Rms, Section C1090.70 calls for "integral cast sinks, backsplashes, and drainboards"? Please respond to the following:
- a. Are set-on backsplashes for the epoxy countertops locations acceptable in lieu of integral?
 - b. Are epoxy drop-in sinks for the epoxy resin countertops acceptable in lieu of integral?
 - c. Confirm that drainboards are not required in the epoxy countertops.

Response:

- a. No. Provide integral backsplashes as specified.
- b. No. Provide integral sinks as specified.
- c. Not confirmed. Drain boards are required. See Section C1090.70, Paragraph II.A.2.d.

33. Question: In typical Learning Lab (Large), shown on drawing E-40, they have a demo island "DST2" which is the same designation as the typical Science Rm demo islands. In section C1090.70, Item 11.A.3 on page 3 of 6, they note all tops in the Large Learning labs are to have hardwood tops. Please advise if this island is to have a hardwood top or epoxy?

Response: While the duplication of furniture codes in multiple furniture layouts may indicate similar types of furniture, it is not intended to imply that the furniture is identical. Provide hardwood demonstration table tops matching built-in casework as specified in Section C1090.70, Paragraph II.A.3.b.

34. Question: Typical workbench units "WKBI" in Grade 10-12 tool storage by others, no details provided. Please provide the model number and/or basis of design for the workbenches.

Response: See Item B.3.e. above.

35. Question: From Addendum #7: b. MODIFY: In Section E1030.80, Food Service Equipment, modify Paragraph 11.D.1.a.(1) as follows: (1) Provide units and quantities as scheduled, designed with stainless steel metal-clad modular panels to facilitate easy assembly and disassembly for relocation and expansion. This indicates the exposed exterior verticals are stainless steel. Are both interior/exterior verticals to both be stainless steel?

Response: The modification to Section E1030.80 is not limited to the exterior of the panels. Both the interior and exterior of the panels shall be stainless steel.

36. Question: Referencing item B.1.c (paragraph 5.20) issued with Addendum #8 please confirm that the Authority's Basis of Design (BOD) flooring selections for RFE-1, RFE-2, RFE-3, RFU-1, PRCF-1, and IRF-1 comply with the

requirements set forth in this section and do not contain phenyl mercuric acetate, or other mercury compounds.

Response: Confirmed.

37. Question: Based on the identified subsurface conditions, the consolidation test results, and the proposed grading which requires up to about 15 ft of new fill to raise grades at the northern side of the site, new fill loading will result in settlement impacts beyond the site/property limits. Please identify the maximum tolerable settlement magnitudes for finished surface areas, utilities, and structures located adjacent to the site. Please also identify if the use of lightweight fill is required to mitigate settlement impacts in off-site areas.

Response: Outside the boundaries of the site, the maximum tolerable total and differential settlement resulting from the Project shall be limited to the more stringent of (a) the requirements cited in the latest US Army Corps of Engineers Publication 1110-1904, Settlement Analysis, Chapter 2 Limitations of Settlement, or (b) as necessary to prohibit noticeable or negative impacts on the condition, operation, or serviceability of structures, site improvements, or utilities located outside the boundaries of the site.

The use of lightweight fill is acceptable but not required, subject to conformance with the requirements of the Design-Build Information Package.

38. Question: Interior Floor Finish Table C2000.00-1 notes Palma Palikrom (RFE-2 Pewter and RFE-3 Aztec) for various locations. Palma has (2) versions of Palikrom Epoxy Flooring. Palikrom 125 (nominal 1/8"), and Palikrom 185 (nominal 3/16") both available in the selected colors. Please advise which thickness version is desired.

Response: Provide Palma PaliKrom 125 or approved equal.

39. Question: In Addendum #8, dated August 9, 2019, Item F.4 states that the design-builder is required to comply with one of the two flush out options as specified. Since the pre-occupancy option would require over 4 billion cubic feet of fresh air and potentially 20-30 continuous days of fresh-air flush, would the SDA consider allowing the design builder to execute Option 2 of the LEED credit, which entails baseline IAQ testing to help condense the schedule and control costs?

Response: Yes. Option 2 is acceptable to the Authority.

40. Question: Please confirm that the response to addendum #7 question 46 allows for the reuse of onsite soils under the engineering cap as approved by the

Design-Builder's Geotechnical engineer, environmental consultant, and the Authority's LSRP.

Response: Confirmed.

F. CHANGES TO PREVIOUS ADDENDA:

1. **MODIFY:** In Addendum #4, modify the response to Bidder Question #93 as follows:

Not confirmed. There are a number of acceptable methodologies available to the Design-Builder to comply with the National Electrical Code limitations on voltage drop in branch circuits, including, but not limited to:

a. Utilizing alternate taps on distribution transformers to increase the initial voltage.

b. Increasing the size of the conductors as permitted by code to decrease their resistance.

c. Adding electrical rooms or closets to decrease the distance to the devices.

In the event the Design-Builder chooses to modify the number, size, or arrangement of electrical rooms or closets from what is provided in the Design-Build Information Package, it shall be done at no cost to the Authority and in such a way so as to maintain the integrity of the Schematic Design in regard to the number, type, size, and relationship of program spaces and design features.

Provide sizes, quantities, and locations to comply with all requirements of latest adopted codes of the NEC (NFPA 70) and ASHRAE 90.1 including voltage drop and equipment working clearances.

2. **MODIFY:** In Addendum #6, modify the response to Bidder Question #79 as follows:

Not confirmed. ~~These windows~~ **Windows HF7 through HF11** do not meet the criteria listed in Section C1000.00, Interior Construction, Paragraph I.C.3. and hence do not require safety glazing or blackout shades. **Window HF6 does not require security glazing, but does require a shade.**

G. ATTACHMENTS


- Attachment 9.01 Price Proposal, August 29, 2019
Attachment 9.02 D6000.00, Communications, August 26, 2019 (clean).
Attachment 9.03 D6000.00, Communications, August 26, 2019 (tracked).
Attachment 9.04 E1070.00, Entertainment and Recreational Equipment, August 29, 2019.

H. SUPPLEMENTAL INFORMATION


(Not applicable)


Any bidder attempting to contact government officials (elected or appointed), including NJSDA Board members, NJSDA Staff (except for Procurement), Selection Committee members, NJSDA Consultants, and School District officials for information relating to this project or in an effort to influence the selection process may be immediately disqualified.

End of Addendum No. 9



NJSDA
Program Director

 Date



Addendum No. 9

New Jersey Schools Development Authority
32 East Front Street
Trenton, NJ 08625
Phone: 609-858-2984

DATE: August 30, 2019

PROJECT #: ET-0099-B01

DESCRIPTION: New Perth Amboy High School
Addendum No. 9

Acknowledgement of Receipt of Addendum

Contractor must acknowledge the receipt of the Addendum by signing in the space provided below and returning via email to Marty Taylor at mataylor@njsda.gov. Signed acknowledgement must be received prior to the Bid Due Date. Acknowledgement of the Addendum must be made in Section F.5 of the Price Proposal Submission for Design Build Projects.

Signature

Print Name

Company Name

Date