

progress

2023 **EDUCATION** ISSUE



Appell Horticulture Center at York College Nearing Completion >>

York College of Pennsylvania engaged EI Associates to design the Appell Horticulture Center. This project is funded by The Powder Mill Foundation. This two-story building includes program spaces to support the Environmental Horticulture major as part of the Kinsley School of Engineering, Design, Sciences, and Technology.

The design of the building includes a soils lab, plant / insect lab, plant pathology lab, student research lab, herbarium, prep rooms, plant display area, study areas, meeting rooms, faculty offices, and support spaces. In addition to programmatic spaces the building features a living wall and plant display area which will serve as educational opportunities for students and a display of the College's commitment to environmental horticulture. The addition will be opened in October 2023.

New STEAM Lab Facilities for Tomorrow's Critical Thinkers >>



STEAM Education is an approach to learning that interprets Science, Technology, Engineering, the Arts and Mathematics as access points for guiding student inquiry, dialogue, and critical thinking. STEAM represents a large portion of the career opportunities that today's students will pursue.

As a full-service architectural and engineering firm EI has first-hand experience in the practical application of STEAM involving collaborative partnerships between our clients and EI's educational planners, architects and multi-disciplinary engineers. EI recently assisted the Carlstadt School District with architectural and engineering services to convert the existing second floor Library/Media Center, Art Room and Computer Lab into a new STEAM Lab. The three rooms were configured, renovated and repurposed to support a multi-discipline educational approach that requires creativity as well as critical thinking and problem solving.

(Story continued on back page)

El's Long-Standing Relationship with Newark Public Schools >>



El Associates is proud to continue to serve Newark Public Schools with the design of a variety of capital projects throughout the District. El's professional relationship with Newark Public Schools began in 1986 with our design of a major expansion and renovations to Newark Arts High School. Through the years El has assisted the District by designing a number of emergent health & safety related concerns and with the design and construction of the new Newark Schools Stadium.

We are currently assisting the District with several capital projects including the renovation of toilet facilities at several schools, window replacement at Peshine Avenue Elementary School, renovations to the Sussex Avenue Elementary School Gym/Cafeteria and the District-Wide perimeter security upgrades. To address capacity issues El is also assisting Newark with the conversion of two former charter schools and performing an update to the District's Long Range Facilities Plan.

El is providing complete planning, architecture, multi-disciplinary engineering and cost estimating services for each of these projects. We value our role as a long-standing trusted partner and look forward to our continued professional relationship with Newark Public Schools.



Middle School Cafeteria Addition



Lakewood Township School District Cafeteria Expansion >>

The Lakewood Middle School is a one-story building housing approximately 1,100 students. The existing cafeteria dining facility was overcrowded and required an expansion to accommodate the growing student population. The cafeteria addition will expand the existing student dining room approximately 4,000 sq.ft. Renovations to the existing dining room were completed in time for the beginning of the September 2023 school year. The renovations included a new HVAC system and creation of a two-line servery. The expanded space includes providing for the introduction of extra natural light via large energy-efficient windows. All the materials and colors match the existing school exterior.

Successfully Navigating SSB-VEEVR Grants & Other Funding Programs >>

El Associates has assisted numerous NJ public school districts with applying for, and successfully obtaining, funding through a variety of grant programs including ROD, FEMA, Alyssa's Law (security grant), ESSER and most recently the SSB-VEEVR and SSB-NPFA programs administered by NJ Clean Energy. In the past five years El has successfully obtained over \$50M of grant funding on behalf of our clients.

The SSB-VEEVR and SSB-NPFA programs have been two of the more beneficial programs funding 75% of the cost of eligible HVAC and Plumbing related improvements up to a maximum of \$5,000,000. With El's guidance and expertise our school clients have been awarded a total of \$23M in SSB-VEEVR/SSB-NPFA Grants. These funds are being employed to replace outdated mechanical and plumbing systems and provide districts with increased efficiencies and reduced operating costs – truly a "win-win" outcome.

These grant programs, as well as most others, are administered on a first come, first served basis requiring a timely and complete application submission to ensure funding approval. Having up-to-date LRFP documentation which identifies, prioritizes and accurately budgets infrastructure deficiencies is critical to accelerating the grant application process and improving the chances of grant approval and award. New grant opportunities will always present themselves. El can help position your district for future funding success.

Susquehanna Twp. School District Adds New Concession Building >>



El Associates assisted the Susquehanna Township School District with the design of several capital improvement projects being procured under the state contracting procurement method. These contracts included field improvement and replacement at Roscoe Warner Stadium, with a newly constructed concession building. The new concession building is a 4,400 square foot masonry and wood one-story structure. It will

accommodate men's and women's restrooms and will also include a concession area with its storage areas, a trainer's room, and an officials' room with lockers and showers. There is also a large athletic storage room to support the stadium sporting activities.

Revitalized Field and Cafeteria Facilities for Hasbrouck Heights SD >>

El Associates has been privileged to serve as the Hasbrouck Heights SD Architect/Engineer-of-Record for more than two decades. During this time we have supported the District with evaluating, prioritizing and implementing a variety of capital projects to address aging systems and facilities. Recently El assisted Hasbrouck Heights with the replacement of the Depken Field Grandstands and renovations to the High School Cafeteria and Kitchen. The field project, performed under the NJ Cooperative Pricing Program, covered the replacement of existing aluminum bleachers adjacent to Oldfield Avenue and the installation of new concrete sidewalks, steps and retaining walls. New larger bleachers, meeting current code requirements, as well as an upgraded press box were installed and recentered on the 50-yard line.

The High School Cafeteria and Kitchen areas were completely renovated to address prior flooding issues and to update aged equipment, systems and finishes. The Cafeteria renovations included the replacement of cafeteria flooring with a durable terrazzo surface, the installation of new ceramic tile wall finishes, acoustical ceilings and lighting. The adjoining Kitchen and Served areas also underwent significant renovations to improve the functionality of

the spaces and provide a more modern aesthetic. A new serving line was added and adjacent restrooms were renovated. HVAC upgrades were also performed.





Pool Renovations & Generator Upgrades Underway at Schuylkill Valley School District >>

Following a Feasibility Study performed by EI Associates, Schuylkill Valley School District embarked on a renovation of their indoor swimming pool at the Schuylkill Valley Middle School. The District intended to modify the pool to meet national competitive diving standards, replace and update existing pool filtration and chemical treatment equipment, and modify the foundation to allow an additional diving board in the future. When installed, the District will have two competitive diving boards at their disposal. New tile finishes will be installed along with a new timing and scoring system and underwater speakers.

EI Associates is also designing a new emergency generator and associated electrical system upgrades at the Schuylkill Valley High School, Middle School, & Elementary School. In addition two 10,000 gallon aboveground fuel oil tanks and all associated piping and electrical equipment will be removed. New outdoor natural gas-fired generators will be provided. Sound attenuation enclosures will be provided for each location. This work will be completed in the Spring and Summer of 2024 to minimize disruption.

Design for West Branch Area Elementary School Begins >>

EI Associates has been retained to perform architectural work at West Branch Area School District Elementary School. The work includes site improvements along with renovations and additions to the Elementary School. After an extensive feasibility study was completed by our firm, the District authorized us to proceed with detailed design. The proposed building improvements will provide students with a 21st century learning environment to include modernized classrooms, learning support spaces, a STEM and maker space lab, and a Large Group Instruction area. All building systems will be modernized and building security improvements will be made. The proposed site



improvements include separation of student and bus pick-up and drop-off flow, relocation of the playground area to a more secure location on site, improved storm-water management, and additional parking capacity. Construction is anticipated to commence in late fall of 2024 and will be completed in the Spring of 2026.



Design Begins on Project at Shippensburg Area School District >>

The Shippensburg Area School District has retained EI Associates to design renovations and additions to the Shippensburg Area Senior High School. This project is "Step 2" of the additions being made at the Shippensburg Area Middle School. The Senior High School additions include educational space additions focused on Music, Family & Consumer Science, and STEM Labs, an expansion to the presently overcrowded cafeteria to accommodate Large Group Instruction spaces, and a second secure

entrance near the student parking lot. The renovations also include upgrades to athletic spaces and the Gymnasium. The "Step 2" additions to the Shippensburg Area Middle School include multi-use flexible spaces and expanded core facilities. Construction will begin in the summer of 2024 and will be phased in order to avoid disruption. The Shippensburg Area School District is a time-honored client of our firm. EI has been designing and upgrading SASD facilities since 1996.

Test Lab Conversion for Rutgers >>

EI Associates is currently assisting Rutgers University with the conversion of an existing test chamber within the third floor Exposure Lab to a Biosafety Level 2 (BSL-2) Lab at the Environmental & Occupational Health Sciences Institute (EOHSI) at the Piscataway campus. The proposed BSL-2 Lab improvements will accommodate both chemical and biologic testing.

The existing chamber measures approximately 10' x 20' and consists of a prefabricated stainless steel panel enclosure with a raised perforated stainless steel floor system. The chamber, currently used to support chemical testing, will be converted to a BSL-2 lab to perform testing involving both biologics and chemicals. The test chamber will not be occupied during biologic testing which will involve the use of "mimics".

EI is providing complete planning, engineering and cost estimating services to execute this project. The proposed improvements will allow Rutgers to expand their Research & Development capabilities.



(Story continued from cover)

EI is currently assisting the Summit School District with the design of an addition to the Media Center and STEAM Labs at Summit High School as well as a two-story addition to accommodate expanded cafeteria, kitchen, wood shop and STEAM programs at the Middle School. The new facilities are designed with flexibility in mind to support ongoing changes in STEAM curricula and incorporate a variety of instructional areas including lecture rooms, labs and break out spaces, movable display systems, durable flooring materials, high quality lighting, and well distributed power and data infrastructure.

Capital Improvements Begin at Tri-Valley School District >>

Tri-Valley School District engaged EI Associates to design capital improvements to both the Junior/Senior High School kitchen and cafeteria as well as to implement key electrical infrastructure upgrades. The design of the kitchen and cafeteria included new kitchen equipment, a new and modernized serving area, scullery improvements, and new finishes throughout the entire space. Other improvements included new sanitary plumbing infrastructure in the existing kitchen and HVAC improvements throughout. Due to the age of the existing facility most of the electrical switchgear and panelboards were past their serviceable life. The work scope included key upgrades to the entire electrical service. The project was bid in July of this year and came in under budget. The improvements are schedule to be completed in the Summer of 2024.



News, Notes & Events

NEW PROJECTS

Academy of the Holy Angels Allamuchy SD	Water Infiltration Study SSB-VEEVR Grant Applications Architect of Record ROD Grant Approvals – HVAC Upgrades & Roof Replacements HS Revised Design Academic Commons Renderings District-Wide Feasibility Study 2nd Floor Classroom Conversion Study Architect of Record ROD Grant Approvals – HVAC Upgrades SSB-VEEVR Grant Approvals – HVAC Upgrades Lakewood School Pool HVAC Assessment Architect of Record Riverview ES Roof Repairs Brick, Repointing, Repair & Replacement Depkin Field Grandstand Replacement SSB-VEEVR Grant Approvals – HVAC Upgrades at Euclid & Lincoln ES SSB-VEEVR Grant Approvals – HS HVAC System Upgrades Pavement Resurfacing & Site Improvements ROD Grant Approvals – HVAC Upgrades SSB-VEEVR Grant Approvals – Ventilation & Plumbing Efficiency Upgrades Lakewood MS-New Parking Lot New Field House MS Renovations Athletic Field Design Catherine Hershey School Elizabethtown Renovations Sussex Avenue ES – Gym/Cafeteria Renovations Toilet Room Renovations Window Replacement LRFP Update Reconfiguration of New Mandela School Perimeter Door Alarm Upgrade at 5 Schools ROD Grant Approvals – HVAC Upgrades New Pre-K Facility PSU Harrisburg Church Hall Engineering Labs District-Wide Feasibility Study Architect of Record Somerville & Willard ES-Infrared Scanning EOSHS1 BSL-2 Laboratory Project Cooper Dining Hall Demolition Lindbergh Avenue School Assessment Feasibility Study MS Alterations & Additions, HS Additions & Alterations ROD Grant Assistance – HS Wing A Rock Hill ES Grease Trap Interceptor HVAC Improvements, Athletic Fields & Stadium Project Port Republic Leap Grant Site improvements at Holtzman ES & Susquehanna Township MS SSB-VEEVR Grant Approvals HS HVAC System Upgrade SSB-VEEVR Grant Approvals – HVAC Upgrades SSB-VEEVR Grant Approvals – Window Replacements at MS & HS Fire Pump Room Upgrades at HS Water Filtration Upgrades at Walnut Ridge ES ES Renovations Academy-Wide Feasibility Study
Bedford Area School District Bergen Catholic High School Big Spring School District Christ the Teacher Academy Demarest SD	
Denville SD	
Hasbrouck Heights SD	
High Point Regional HS	
Irvington SD Lakewood SD	
Lewisburg Area School District Lincoln Charter School Millburn Township BOE Milton Hershey School Newark Board of Education	
Newton SD	
Pennsylvania State University Pottstown School District Ridge and Valley Charter School Ridgewood SD Rutgers University	
School District of the City of York Shenandoah Valley School District Shippensburg Area School District South Orange-Maplewood SD Southern Huntingdon City School District Southern Lehigh School District Stockton University Susquehanna Township School District Union Township SD	
Upper Freehold Regional SD Vernon Township SD	
West Branch ASD York Academy Regional Charter School	

EVENTS

- PASBO Facilities, Transportation & Safety Conference, October 9-10, 2023
- PASA-PSBA School Leadership Conference, October 16-17, 2023
- KAPPA Fall Conference, October 23, 2023
- NJSBA/NJASBO/NJASA 2023 Virtual Workshop and Exhibition, October 23-26, 2023
- DVASBO Tradeshow, November 8, 2023
- PASBO Annual Conference, March 5-8, 2024
- PARSS Conference, April 24-26, 2024



For additional information on our services visit our website www.eiassociates.com or contact:

8 Ridgedale Ave, Cedar Knolls, NJ 07927

📞 973.775.7777

📧 brian_donnelly@eiassociates.com

2001 North Front Street, Bldg 3, Harrisburg, PA 17102

📞 717.233.4556

📧 sgraham@eiassoc.com