

progress

2021 **EDUCATION** ISSUE



New Bus Maintenance Facility for Exeter Township School District Progresses to Construction >>

Rendering-New Bus Maintenance Facility

Exeter Township School District engaged EI Associates to assess their existing bus maintenance facility and provide options to construct a new facility on the existing site. Working closely with the District and the Township approvals were received to demolish the existing building and construct a new building within the footprint of the existing building. By strategically collaborating with the Township a streamlined and accelerated approval process was realized.

The new building will be positioned directly over the footprint of the existing building and all existing hard surfaces will receive new paving with the exception of new landscaping and stormwater management areas. The existing underground fuel storage tanks will be replaced with new above-ground storage tanks. The design of the building includes two service bays, one wash bay, two additional overflow services bays, *Continued on back page*

Vernon Township School District Hires EI Associates to Perform District-Wide Long Range Facilities Study >>

EI Associates was recently appointed Architect-of-Record for the Vernon Township School District to perform a District-Wide Long Range Facilities Study of all six schools. The District requested the preparation of a comprehensive facilities and education program assessment to address the physical condition of their schools covering building envelope, site infrastructure, and mechanical, electrical and plumbing systems.



Continued on back page

New 21st Century Science Labs for Bergen Catholic High School >>

Since 2016 EI Associates has partnered with Bergen Catholic High School to provide design solutions for their overall Master Plan including stadium reconstruction, new synthetic turf multi-purpose sports field, and a track configuration. EI Associates recently designed new Chemistry, Biology and Physics Labs to adhere to 21st Century Learning and Next Generation Science Standards (NGSS). The new Science Labs feature new flexible configurations as well as mechanical, electrical and plumbing (MEP) improvements. EI Associates continues to work closely with the Bergen Catholic High School administration and community to enhance the quality of the student learning experience.



Bedford Elementary School Project Comes In On Budget >>

Bedford Elementary School's HVAC and Roofing Improvement Project

EI Associates was honored to continue our partnership with the Bedford Area School District by providing design services to execute renovations at the Bedford Elementary School. The project was bid in April of this year and came in on budget despite rising construction costs and market volatility.

The Bedford Area School District initially retained EI Associates to perform a comprehensive building feasibility study with a request that special attention be paid to the aging mechanical systems and roofing issues. EI Associates designed HVAC improvements including both new and refurbished systems along with new roofing for the entire building. In

addition, EI Associates and the District worked together in the development of a phased construction plan to improve student safety and to avoid relocating students during construction. The project is currently under construction.

Camp Hill School District Completes Hoover Elementary School / DAO Alterations and Additions >>

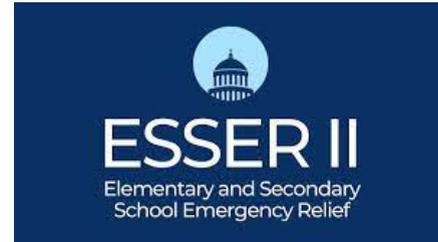


EI Associates recently completed the design of alterations to Hoover Elementary School including the addition of a new District Administration Office (DAO).

The project addressed traffic and safety concerns by installing a new parental drop-off/pick-up loop on the west side of the facility thereby providing improved site circulation. The Camp Hill School District is a walking and drop-off/pick-up only District with no busing. The added loop eliminates vehicle crowding on two bordering neighborhood streets. Additionally new play areas were created away from the main parking lot, creating a safer space for students to play and better access to the building. Interior building improvements were also constructed along with an elevator for the facility.

The new District Administration Office (DAO) provides centralized offices and meeting rooms, and replacing a house which presently accommodates the DAO. Construction for the last phase of the alterations and additions project was completed in September 2021.

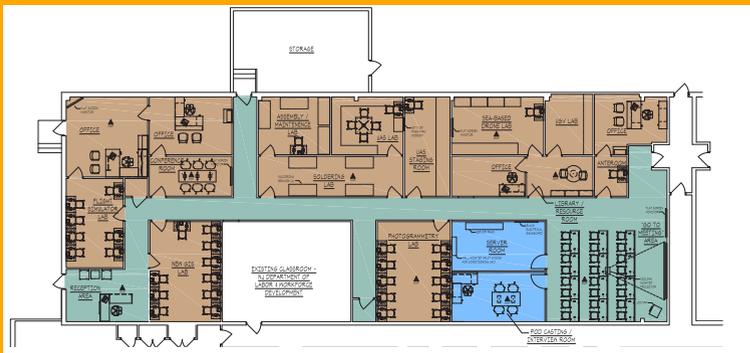
Susquehanna Community School District hires EI Associates to Design ESSER II Grant Award Projects >>



As part of the Coronavirus Response and Relief Supplemental Appropriations Act of 2021, the Elementary and Secondary School Emergency Relief Fund (ESSER II) includes funding to assist school districts to combat the effects of COVID-19. Portions of this funding can be used for capital improvements such as upgrading HVAC and other systems in an effort to mitigate the spread of airborne infectious diseases.

The proposed project for the Susquehanna Community School District will be funded in part from federal ESSER II funds. The funds will be used for the conversion of bathroom fixtures and select exterior door replacements at the Elementary School and the Jr/Sr High School. This project reduces hard surface transmission of the virus by moving to touchless bathrooms and making the bathrooms ADA compliant and adaptable. The door replacements allow for the effective working of the District's HVAC system resulting in improved air quality by not having continuous mixing of air at the locations of these doors.

Drone Suite for Warren County Community College Takes Flight >>



As Architect/Engineer-of-Record for Warren County Community College EI Associates is currently assisting the College with the design of a new Drone Technology Suite at the Phillipsburg Education Center.

The project involves the renovation of 6,500 sq.ft. of interior building area which previously served as offices for the Phillipsburg Board of Education, to support the College's expanded drone technology programs. The new suite will accommodate several new Laboratories (GIS Lab, Sea-Based Drone Lab, UAS Lab, Assembly/Maintenance Lab, Soldering Lab and Photogrammetry Lab), offices, large Lecture area along with Podcast and Server Rooms.

Camp Hill School District Renovation Completion at MS/HS >>

EI Associates has been working continuously with the Camp Hill School District since we completed the initial 2018 District-Wide Feasibility Study to address fundamental building upgrades, code compliance, and educational program enhancements for the Middle School/High School facility.

Working through the execution of the long-range facilities plan developed by our firm, the District began by addressing the building envelope and water infiltration issues. The entire building facade was upgraded with an exterior masonry restoration and re-sealing to alleviate further water intrusion. The project included new energy-efficient windows and doors and partial roof replacement.

The facility was also upgraded with major interior renovations. Both building entrances and administration areas for the Middle School/High School were reconfigured to provide secure vestibules for improved safety and security of students. ADA compliant upgrades including elevator modernization and new stair lifts along with updates to interior finishes were built.

HVAC and electrical system upgrades to reduce energy consumption and costs were implemented. Construction for the last phase of the renovation process has been completed for the beginning of the new school year.



Renovated Exterior at Camp Hill MS/HS

District-Wide Mechanical and Air Quality Assessment for Montclair Public Schools >>



As "Architect-of-Record" for Montclair Public Schools EI Associates worked closely with the District administration and community to perform a District-Wide Mechanical and Indoor Air Quality Assessment. EI's mechanical engineers performed field investigations of HVAC equipment serving all 1,024 classrooms in twelve schools to identify mechanical system deficiencies and potential indoor air quality issues. As part of this assessment we determined which classroom spaces have functional mechanical equipment, which spaces required mechanical improvements, and which spaces lacked proper code compliant ventilation.

After summarizing our findings and compiling our report, we provided the Montclair Public School District with recommendations to address the identified deficiencies and improve ventilation and indoor air quality throughout the District. The recommendations were prioritized according to the significance and severity of the deficiency, categorized as either "immediate", "short-term" or "long-term", and included budgetary construction cost estimates to assist the District with upcoming capital planning to fund project execution.

El Associates Assists Susquehanna Township School District with Capital Improvement Projects >>



The Susquehanna Township School District (STSD) is the 2nd most ethnically diverse school district in the Commonwealth of Pennsylvania and the 15th in the United States of America. The District actively encourages minority participation in the contracting process to support the community and MBE/WBE companies.

As the STSD Architect-of-Record El Associates designed a number of capital projects which include major interior modernization renovations to the auditorium and support facilities along

with building entrances. A reconfiguration of the administration areas to provide a secured vestibule along with updating interior finishes was also executed.

Office and elevator projects, Middle School renovations to the Auditorium, as well as improvements to the Sara Lindemuth/Anna Carter Primary School Multi-purpose room have been designed. The projects will be awarded by the end of 2021 with the start of construction in 2022, and completion by the start of the 2022-23 school year. El Associates

also assisted the District with several of the capital improvements being procured under the state contracting procurement method. These included field improvement/replacement at Roscoe Warner Stadium, stage rigging, theater lighting, and seating at the Middle School and High School Auditoriums, sound system replacement at the HS Gymnasium, chiller repairs at the Middle School, and upgrades to the existing Building Automation System.

Paving Improvements for Tenafly School District >>



Since 2019 El Associates has been assisting the Tenafly School District with the execution of capital projects which were identified in a District-wide facility assessment completed by our firm. El Associates recently designed paving and drainage improvements at each of the six District schools and the athletic field complex.

The work involved the installation of new sidewalks and the replacement of deteriorated steps at several locations at the Mackay Elementary School repaving of the parking lot and recreational courtyard and the replacement of damaged sidewalks at the Maugham Elementary School, replacement of damaged sidewalks and repaving of the "drop-off" circle and entire parking lot at the Smith Elementary School, repaving of the existing parking lot and recreational area at Stillman Elementary School, campus-wide replacement of damaged sidewalks at the Tenafly Middle School, and replacement of damaged sidewalks and repaving of entrance drive as well as teacher's parking lots at the Tenafly High School. The work also covered site-drainage improvements, replacement of perimeter track fencing and retaining walls, and field house parking lot repaving at Geissing Athletic Field.



New Four Classroom Addition at County Road Elementary School >>

During the past 10 years EI Associates has successfully completed many architectural and engineering assignments in our role as Architect-of-Record for the Demarest School District. In order to address on-going community growth EI Associates recently designed a 6,500 square foot one-story addition at the County Road Elementary School to house four Pre-K classrooms and two Small Group Instruction (SGI) rooms. This much needed extra classroom space will alleviate capacity issues at the two elementary schools. Construction is underway and the estimated date of completion is the end of July 2022.

Exeter Cover Story Continued:

and storage areas including a parts mezzanine and an office area. The office area includes three office spaces, restroom facilities, and a training room sized for instructing the entire transportation staff of over fifty employees. Construction completion is scheduled for the end of 2022.

Vernon Cover Story Continued:

This assessment will also address the ability of the existing facilities to support the District's education program objectives and will provide recommendations for the reconfiguration of spaces to best support 21st Century educational needs. The study will prioritize the identified deficiencies and will provide the District with recommendations and budgetary construction cost estimates to permit future capital planning for project funding.

News, Notes & Events

NEW PROJECTS

Academy for Urban Leadership CS
Bergen Catholic High School

Carlstadt School District

Chester Public School District
Drew University
Exeter Township School District
Hillsborough Township School District
Lakewood Public School District

Metuchen School District
Newton School District
North Arlington School District
Schuylkill Valley School District
Scotch Plains-Fanwood School District
South Hackensack School District
Summit School District
Susquehanna Community School District
Susquehanna Township School District
Tenafly School District

Union Township School District
Upper Freehold Regional School District
Vernon Township School District
Warren County Community College
West Orange School District

Nurse's Office Ventilation Improvements
Science Lab Renovations
Scoreboard Monument Permit Drawings
Boiler Replacement
S.T.E.A.M. Lab
Bragg ES Storage Facility
Water Infiltration Correction
Bus Maintenance Facility
ES Roof Replacement and Repaving
Modular Classroom Canopy-Lakewood MS
HVAC Bipolar Ionization
MS Cafeteria Addition
Administration Office Building Renovation
District-Wide Window Replacements
New Parking Lot-Early Childhood School
District-Wide HVAC Upgrades
Solar Energy Project
Veterans MS Elevator Renovation
New Field House Planning and Design
HS Athletic Fields Lighting Study
Memorial School Roof Replacement
HS HVAC Upgrades
ESSER II Fund-related Improvements
Capital Improvement Program
HS Athletic Field Investigation
District-Wide Concrete & Paving Replacement
ESSER II Mechanical System Improvements
Track Reconstruction
LRFP Update
New Drone Lab/Suite
Architect of Record

EVENTS

- NJSBA/NJASBO/NJASA 2021 Virtual Workshop and Exhibition, October 26-28, 2021
- PASA/PSBA School Leadership Conference – October 25-27, 2021 - Virtual
- PASBO Facilities, Safety, and Transportation Conference – Lancaster Marriot, Lancaster, PA – November 4-5, 2021
- PASBO Annual Conference – Hershey Lodge, Hershey, PA – March 8-11, 2022



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