

Building Brighter Futures By Building Schools



Biannual Report of the New Jersey Schools Development Authority

For the reporting period October 1, 2017 to March 31, 2018

Seaman Avenue Elementary School Groundbreaking in Perth Amboy

New Jersey Schools Development Authority (SDA)

The New Jersey Schools Development Authority (SDA or the Authority) fully funds and manages the new construction, modernization and renovation of school facilities projects in 31 school districts known as SDA Districts. The Authority also makes grants available to Regular Operating Districts (RODs) throughout New Jersey for facilities projects approved by the NJ Department of Education (DOE).

SDA Mission

Our mission is to deliver high-quality educational facilities that best meet the needs of the students of the State of New Jersey. While providing efficiently designed facilities that enhance the academic environment, we promote fiscal responsibility in the management of taxpayers' resources.



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CEO MESSAGE



The period from October to March of 2017 saw the SDA make progress in the three main areas of its charge – Capital projects, which includes new construction and major renovations; emergent projects which address major health and safety issues; and administration of the Regular Operating District, or ROD, grant program which helps to fund school construction projects all around the state. We broke ground for new elementary schools in Harrison and Perth Amboy, held a “topping off” ceremony to mark the completion of steel erection for the new Trenton Central High School and moved forward on emergent work that is greatly needed in many districts.

In September 2018, ribbons will be cut marking the opening of projects in Garfield, New Brunswick, Newark and Vineland. Projects in Harrison and Irvington are also moving along. In addition to construction, planning and early site preparation activities are moving forward for new high schools in Camden and Perth Amboy as well as a middle school in Paterson and an elementary school in Pemberton. Work will also soon begin on the Dayton Avenue Educational Complex in Passaic City, which will be the largest single SDA project to date. Thus, the cycle of building continues.

This biannual report also highlights both our training of small, women, and minority-owned businesses as well as the SDA’s actual awards to small business enterprises. This is an area where the SDA is proud to be involved and believes that it is bringing about change. SDA’s new Chief of Staff, Al Alvarez, is committed to ensuring that the program continues to grow and improve. It can certainly act as a model for others.

It has been my pleasure to lead this organization for the past four-plus years. It is full of dedicated, hardworking people who understand the importance of what we do. Each day, their work furthers the mission. Together with the Board of Directors, our contracting partners, and the men and women of the construction trades, we are making positive changes that will affect the lives of thousands of schoolchildren moving forward.

Breaking Ground for New Schools

Through the construction of new and the modernization of existing schools, SDA is addressing overcrowding and educational infrastructure needs in the State's SDA Districts. The overcrowding that exists in the Perth Amboy school district is one such condition. Taking a major step toward addressing this significant issue, the SDA initiated work in October 2017 for a new Seaman Avenue Elementary School. Joined by



students and State and local officials, the SDA broke ground for the new 128,000 square-foot school that will provide seats for more than 800 students. This \$56.4 million school will open to students in grades kindergarten to five in September 2019.



In Harrison, the new Kennedy Elementary School will provide needed capacity and enhance the educational program offered for some of the District's youngest learners. More than 390 students in grades prekindergarten to one will benefit from the new 65,000 square-foot school. In March 2018,

Harrison students grabbed shovels alongside State and local officials to ceremonially break ground on the new community school. This \$36 million facility will open to students in 2019.

Students Leave a Lasting Mark on New Schools

As a new school building begins to take shape, the excitement from the surrounding community also grows. For so many, a new facility represents hope and opportunity

for their children that will be educated in state-of-the-art classrooms. For that reason, SDA celebrates the significant milestone of steel erection completion with school district officials, students and local stakeholders with a ceremonial beam signing.

The construction of a new high school for New Jersey's capital city is representative of the rebuilding effort happening throughout Trenton. In October 2017, students and community members had the opportunity to celebrate the progress of the new Trenton Central High School by signing a piece of steel that will become a lasting part of its educational



infrastructure. Senator Shirley Turner, Assemblyman Reed Gusciora, (then) Assemblywoman Elizabeth Maher Muoio, and Trenton Mayor Eric Jackson were all present to celebrate this significant project milestone. Once complete, the new Trenton Central High School will be a 374,000 square-foot school designed to educate 1,900 students in grades nine through twelve. The new school is on schedule to open to students in September 2019.

In Irvington, the new Madison Avenue Elementary School will provide students in grades prekindergarten through five with a 73,000 square-foot facility. As students arrived to the site in February 2018 to take part in the beam signing ceremony, their smiles reminded those present of the impact of SDA-constructed facilities. The students' excitement for the new classrooms, gymnasium, media center and outdoor play space was evident as they signed their names to a piece of steel that forever will be part of their school.



With the steel frame nearly complete, those present could begin to envision the educational facility that will provide Irvington students with the tools they need to compete in the 21st century. Like Trenton Central High School, the new Madison Avenue Elementary School is scheduled to open in September 2019.

Paving the Way for New Schools

Field activity on an SDA project often begins with an Early Site Preparation package to ensure an environmentally sound, ready-to-build site. This approach is beneficial for managing budget and schedule. In most instances, the SDA follows this method of separating demolition and site remediation from new school construction because it has been highly effective in preventing lengthy, costly construction delays due to unforeseen issues with the site. Separating the Early Site Preparation work from the design-build contract also provides an opportunity for smaller firms to gain experience working directly with the SDA.

This approach allows a contractor to begin construction of a new school on a site readied for construction. Early Site Package activities include abatement and demolition, removal of underground structures, and site grading.



During the reporting period, early site preparation activities commenced for two projects – literally paving the way for the construction of new schools in their place. In Paterson, abatement and demolition activities began on the site that will be the home of

the future Union Avenue Middle School. The Don Bosco Technical High School facility, which is being demolished, was acquired by the SDA several years ago and has up until recently served as swing space while other facilities in the District were being constructed. The SDA will soon construct a new, approximately 161,000-square-foot, middle school facility in Paterson that will be designed to educate up to 1,000 students in grades six through eight. The facility will contain 36 classrooms, nine science labs, a cafeteria with stage, a gymnasium, computer lab and a media center. The school will be the seventh new school facility constructed by the SDA in Paterson.

The new Denbo-Crichton Elementary School in Pemberton will be built on the site of the existing Aletta Crichton Elementary School. Following completion of abatement activities, SDA marked the start of building demolition with an event in February 2018. The new Denbo-Crichton Elementary School will be an 126,000 square-foot, two-story facility, designed to educate more



than 900 students in grades pre-kindergarten through five. The school will be the second new school facility constructed by the SDA in Pemberton.

Active Construction Throughout the State

This reporting period was highlighted by a substantial amount of activity on the SDA's Capital Portfolio projects, including nine in construction. These nine projects will provide more than 7,000 new seats and represent a state investment of \$536 million.

In addition to those projects in construction, significant activity occurred on many other projects in the current Capital Portfolio. At the end of the reporting period:

- 17 projects are complete;

- 9 projects are in active building construction;
- 4 projects have initiated the design phase of a design-build contract;
- 3 projects have design services ongoing;
- 2 projects are in the Early Site Preparation phase;
- 3 projects are in design development with (SDA Design Studio/Bridging Architect); and
- 1 project is in scope development.

SDA Projects in Construction as of March 31, 2018

District	Project Name	Project Type	Anticipated School Opening	Total Estimated Project Cost	Max Student Capacity
Garfield	James Madison E.S.	New Construction	September 2018	\$29.7 M	305
Harrison	Kennedy E.S.	New Construction	September 2019	\$36.1 M	432
Irvington	Madison Avenue E.S.	New Construction	September 2019	\$35.4 M	504
New Brunswick	Paul Robeson Community Theme School for the Arts	Addition/Renovation	September 2018	\$47.0 M	893
Newark	South Street E.S.	New School	September 2018	\$69.9 M	657
Passaic City	Leonard Place E.S.	New School	September 2019	\$55.9 M	698
Perth Amboy	Seaman Avenue E.S.	New School	September 2019	\$56.8 M	804
Trenton	Trenton Central High School	New School	September 2019	\$155.4 M	2,176
Vineland	Lincoln Avenue M.S.	New School	September 2018	\$49.8 M	624
9 Schools in construction				\$536.0 M	7,093

Projects that advanced during the reporting period include the following:

- Ernest Bock & Sons received a notice to proceed (NTP), initiating the design portion of a design-build contract, for the new **Denbo-Crichton Elementary School in Pemberton** that will provide a 126,000 square foot, two-story facility designed to educate more than 900 students in grades pre-kindergarten through five. The school is planned for a September 2020 opening.
- Terminal Construction Corporation also received a NTP for design of the new **Dayton Avenue Educational Complex in Passaic City**. Upon completion of this design-build contract, the project will provide 448,000 square-feet to educate

nearly 3,000 students in grades prekindergarten to eight. We anticipate that the new school will open in 2022.

Additionally, two projects were advertised for procurement:

- Demolition and early site package for the **Woodland Elementary School** project in Plainfield, Union County.
- Design-build services for the new **Camden High School** in Camden, Camden County.

For a full listing of the status of all Capital Portfolio projects, please see Appendix A.

A New High School for Camden

Upon Camden High School's inclusion in the SDA Capital Portfolio as a project to address facility deficiencies, the SDA has worked in partnership with the School District and DOE to advance the most appropriate project. During this reporting period, significant work toward a new Camden High School took place.

Following issuance of a NTP for demolition services on September 26, 2017, USA Environmental Management, Inc. commenced abatement activities. Abatement activities for the annex and circular buildings was completed in December 2017. Demolition activities then began at those buildings. Abatement activities at the main building (built in 1916) were ongoing through the end of 2017.

Also during this time, three design concepts for the new school were presented to the community.

Courier Post
PART OF THE USA TODAY NETWORK

Design proposed for new Camden High School

January 24, 2018

By: Phaedra Threthan

CAMDEN - Camden School District officials are recommending a design for the new Camden High School that's reminiscent of the historic Castle on the Hill.

Camden High School, parts of which date to 1916, is currently being prepared for demolition; a new, \$133 million state-of-the-art learning academy for as many as 1,200 students will be constructed in its place, school and state officials say.

The school district had asked Camden High students, alumni, staff and city residents to offer their feedback on three design concepts for the new school, expected to open in 2021. The state Schools Development Authority is overseeing the project.

Thirty high school students from Camden attended a Design Day with the SDA in November as well, sharing feedback on draft building concepts and the floor plan and classroom layouts. The Camden High School Community Committee also weighed in before the three design concepts were presented to the public in December.

More than 260 Camden students, staff, alumni, and community members helped to choose the design concept for the new Camden High School.

Once complete, the new 242,000 square-foot facility will educate approximately 1,200 students in grades nine to twelve.

Emergent Projects Address Building Conditions

Through the emergent project program, the SDA addresses conditions deemed necessary by the New Jersey Department of Education (DOE) due to potential health and safety concerns.

SDA is currently managing 19 emergent projects. At the close of the reporting period, the status of active emergent projects is as follows:

- 2 projects are in construction
- 4 projects are in design
- 13 projects are in scope development

SDA is also providing funding for 10 additional emergent projects delegated for management by local school districts. These projects are currently active. For projects that are delegated, the SDA executes a grant agreement with the local school district. The district is then responsible for procuring and managing consultants and contractors. The SDA maintains oversight throughout the process.

In the summer of 2017, the DOE made emergent project determinations for applications submitted by 23 SDA Districts. Many applications were denied by DOE for lack of completeness. However, districts were provided the opportunity to submit additional documentation. At the end of the reporting period, two districts had submitted additional information for three potential conditions.

For a status list of the SDA Emergent Program, please see Appendix B.

Regular Operating District Grant Program Bolsters Local Resources

SDA continues to provide support to Regular Operating Districts throughout the State to address critical needs in their schools. These building infrastructure concerns may include new HVAC systems, roof replacement projects and masonry repairs. SDA provides grants of at least 40 percent of eligible project costs to local school districts to leverage the local resources that are used to fund these projects.

Of the \$3.45 billion in authorized funding for the ROD Grant program, \$2.7 billion has been expended to date and the remaining funding is fully committed for approved projects.

SDA's ROD Grant program eases the burden on school districts as they make improvements to their schools. With an active portfolio of more than \$366 million in state share at the end of the reporting period, the SDA's ROD Grant program continues to positively impact local school districts and New Jersey's construction industry.

During the reporting period, the SDA executed 16 grants for projects in five school districts. This includes grants for security upgrades, plumbing upgrades, and electrical service upgrades. These projects represent more than \$1.3 million in state funding and nearly \$3.4 million in total project costs.

For a list of SDA ROD Grants executed during this reporting period, please see Appendix C.

A PARTNER TO NEW JERSEY'S SMALL BUSINESSES

SMWBE Contractor Training Program

The SDA is very proud of its SMWBE Contractor Training Program. This nine-week program provides participating firms with valuable knowledge on ways to advance their businesses and specifics on conducting business and pursuing work with the SDA and other State agencies.

The program commenced in March 2018, with classes held in Trenton and Newark. Thirty-seven firms were accepted into the program representing various construction trades and professions.

As part of the program, participants received training on business plan development, prequalification, budgeting, the basics of project management, Prevailing Wage, securing contracts, and obtaining funding. The program culminates with a graduation and networking event that affords participants an opportunity to meet with many of the large contractors who work on SDA projects. Feedback from the participants has been uniformly positive.

This program's continued success is a testament to the SDA's commitment to increasing small business participation. The program, which is largely taught by SDA staff, provides first-hand knowledge of how to pursue work on SDA projects. SDA looks forward to continuing this training program.



Construction Contracts for Small Businesses

The goal of the SDA's Small Business Enterprise (SBE) program is to ensure that at least 25% of the total dollar value of all publicly advertised contracts awarded by the SDA during a fiscal year goes to SBEs. The SDA requires consultants and prime contractors to make good-faith efforts to identify and hire available SBE sub-consultants and SBE subcontractors and to award at least 25% of the total contract value to them. The SDA consistently meets or exceeds this goal as reflected in the 41.59% total achieved during this reporting period.

SDA Contract Awards to Small Business Enterprises (October 1, 2017 – March 31, 2018)	
Total SDA Construction Contracts	\$13,614,170
Total SBE Contracts (inclusive of MBE, SMWBE contracts)	\$ 5,661,800
Percentage of SDA Contracts Awarded to SBEs	41.59 %

The SDA biannually compiles information on the number of school construction contracts awarded by the Authority to women and minority contractors. This information includes the total value of these contracts and the percentage that they represent of all SDA school facilities projects that have entered into construction during the reporting period.

This reporting period, SBE/women-owned businesses received \$1,635,000 or 12% of SDA total construction contracts awarded. There were no contracts awarded to SBE/minority-owned businesses during the reporting period.

To view the breakdown of minority/female work hours by trade, please see Appendix D.

Construction Opportunities to Continue in Coming Months

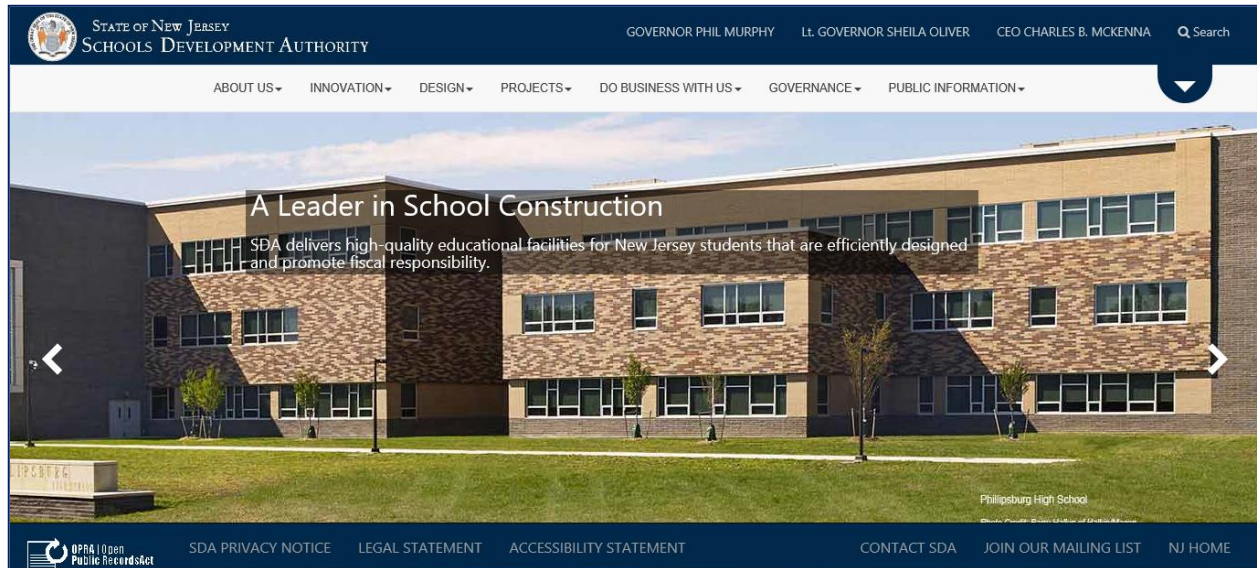
The SDA has consistently advanced a significant number of bidding opportunities over the past few years. During this reporting period alone, the SDA awarded more than \$208 million in contracts.

Capital Portfolio Contracts Awarded During the Reporting Period				
District	Project	Type	Award	Award Date
Passaic City	Dayton Avenue Educational Complex	Design-Build	\$163,560,000	1/2/2018
Pemberton	Denbo-Crichton Elementary School	Design-Build	\$43,185,000	2/14/2018
East Orange	George Washington Carver Elementary School	Construction Management	\$1,369,425	3/29/2018

We expect that this robust procurement activity will continue through the next reporting period, benefitting both the construction industry and the communities we serve. This will include the award of design-build contracts for the new Camden High School and Paterson Union Avenue Middle School projects. This will also include a procurement for the largest project SDA has undertaken to date – the 550,000 square-foot new Perth Amboy High School.

STAKEHOLDER OUTREACH EFFORTS

A New SDA Website Launched



The SDA strives to be transparent by providing accurate and timely public information. We continued this effort during the reporting period with the launch of our new SDA-website. The revamped site is easier to navigate, includes new information and is more reflective of the totality of the Authority's work. We have received overwhelmingly positive feedback since the launch of the new website.

Engaging With Stakeholders

Throughout the reporting period, SDA continued its efforts to ensure open communication with its stakeholders and members of the community. SDA's Customer Service Hotline remains a source of information for those looking for timely and accurate updates on projects. SDA also issued its winter electronic newsletter during this reporting period detailing project activity. Staff participated in a variety of informational forums with groups such as the Alliance for Action during their annual Construction Forecast Seminar.

In addition, SDA continued to conduct community meetings for residents in the vicinity of our construction sites. In February 2018, we held a community meeting in Camden to discuss the new Camden High School project with those who will be impacted due to their close proximity to the construction site.

SDA FINANCES

In total, the New Jersey State Legislature has authorized \$12.5 billion in funding for SDA projects (\$8.9 billion for SDA Districts, \$3.45 billion for RODs and \$150 million for vocational schools). Since the program's inception through the end of the reporting period, the amount of bonds issued to fund the program equals \$10.8 billion, including \$350 million issued in October 2017. For a listing of bond issuances to date, please see Appendix F.

As of March 31, 2018, SDA had approximately \$470.5 million in cash on hand, having disbursed \$156 million during the reporting period. In June 2018, the SDA Board approved the Authority's 2017 financial statements, audited by Ernst & Young LLP. These can be found on the SDA's website at:

<https://www.njsda.gov/NJSDA/Public/AnnualAndOtherReports>.

The SDA strives to safeguard the resources that have been allocated to the school construction program. Toward that goal, SDA continued to pursue several cost recovery opportunities throughout the reporting period. SDA anticipates reaching settlement for these cases in upcoming reporting periods.

RECOMMENDATIONS FOR CHANGE

As New Jersey's educational infrastructure continues to age, capital improvement needs throughout the state are increasing. SDA's current funding is committed to existing projects.

Based upon the DOE's 2016 Educational Facilities Needs Assessment (EFNA) and the current Capital Plan projects that are advancing through SDA, there are 18 SDA Districts with projected additional educational capacity needs. The current inventory of buildings in SDA Districts includes over 7 million square feet of building stock that is over 91 years old. By virtue of their age, we expect that needs exist in these facilities.

APPENDIX

Appendix A - Status of Capital Portfolio Projects

Appendix B - Status of Emergent Project Program

Appendix C – ROD Grant Projects Executed During Reporting Period

Appendix D - Number of Minority/Female Work-Hours by Trade

Appendix E - Cost of Construction Per Square Foot Comparison to MSA

Appendix F - School Facilities Construction Bonds and Notes

Appendix G - School Facilities Projects Approved by DOE

Appendix A - Status of Capital Portfolio Projects (as of March 31, 2018)

Portfolio of Capital Projects		
(as of March 31, 2018)		

SDA Capital Portfolio		
School District	School Name	Status
Bridgeton	Buckshutem Elementary School	Completed. School opened to students in September 2016
Bridgeton	Quarter Mile Lane Elementary School	Completed. School opened to students in September 2017
Elizabeth	New ES @ Halloran PS #22 ES site	Completed. School opened to students in September 2017
Gloucester City	Gloucester City Middle School	Completed. School opened to students in September 2017
Jersey City	Patricia M. Noonan ES (ES 3)	Completed. School opened to students in September 2017
Elizabeth	Elizabeth High School - Frank J. Cicarell Academy	Completed. School opened to students in September 2016
Jersey City	PS 20 Elementary School	Completed. School opened to students in September 2016
Keansburg	Joseph C. Caruso Elementary School	Completed. School opened to students in September 2016
Long Branch	George A. Catrambone Elementary School	Completed. School opened to students in September 2014
New Brunswick	A. Chester Redshaw Elementary School	Completed. School turned over to district in November 2014
Newark	Oliver Street Elementary School	Completed. School opened to students in June 2016
Newark	Elliott Street Elementary School	Completed. School opened to students in February 2016
Paterson	Dr. Hani Awadallah Elementary School	Completed. School opened to students in September 2016
Paterson	PS Number 16 Elementary School	Completed. School opened to students in September 2016
Phillipsburg	Phillipsburg High School	Completed. School opened to students in September 2016
West New York	Harry L. Bain Elementary School	Completed. School opened to students in September 2017
West New York	Memorial High School	Alternative Delivery Method complete. St. Joseph's H.S. purchased and transferred to district. Science lab renovations delegated to district
		17
Garfield	James Madison ES	Construction
Harrison	Kennedy Elementary School (New ES)	Construction
Irvington	Madison Avenue Elementary School	Construction
New Brunswick	Paul Robeson Elementary School	Construction
Newark	South Street Elementary School	Construction
Passaic City	New Elementary School at Leonard Plane	Construction
Perth Amboy	Seaman Avenue Elementary School	Construction
Vineland	Lincoln Avenue Middle School	Construction
Trenton	Trenton Central High School	Construction
		9
East Orange	George Washington Carver Elementary School	Design-Build Design Phase
Millville	Senior High School Addition/Renovation	Design-Build Design Phase (Demo and early site-work by DB ongoing)
Passaic City	Dayton Avenue Elementary School Campus	Design-Build Design Phase
Pemberton	Alexander Denbo Elementary School	Design-Build Design Phase (ESP Contract work ongoing)
		4
Camden	Camden High School	In Design-Build Procurement (ESP Contract work ongoing)
		1
Keansburg	Port Monmouth Road School	In Design Development (external Design Consultant)
Orange	Cleveland Street Elementary School	In Design Development (external Design Consultant)
Orange	Orange High School	In Design Development (external Design Consultant)
Paterson	New Middle School @ Union Avenue	In Design Development (SDA Design Studio) (ESP Contract work ongoing)
Perth Amboy	Perth Amboy High School	In Design Development (SDA Design Studio)
Plainfield	New Woodland Elementary School	In Design Development (SDA Design Studio) (ESP Procurement ongoing)
Union City	Elementary School Grade Level	In Design Development (SDA Design Studio)
		7
Hoboken	Demarest Elementary School	In Planning and Scope Development
		1

Appendix B - Status of Emergent Project Program

SDA-Managed Emergent Projects			
District	School Name	Project Scope	Status
Bridgeton	Bridgeton H.S	Building Envelope-Roof & Masonry	Scope Development
Camden	Cramer E.S	Structural	Construction
Camden	Forrest Hill E.S	HVAC	Scope Development
Newark	Chancellor Avenue E.S	Structural	Design
Newark	Cleveland E.S	Building Envelope/ Structural	Scope Development
Newark	Dr. E. Alma Flagg E.S	Building Envelope-Roof & Exterior Doors	Design
Newark	Harriet Tubman E.S	Building Envelope- Basement Draining	Scope Development
Newark	Hawkins Street E.S	Structural- Chimney Repairs	Scope Development
Newark	Ivy Hill E.S	Building Envelope/ Structural	Scope Development
Newark	Lafayette Street E.S	Building Envelope-Roof & Exterior Doors	Scope Development
Newark	Luis Munoz Martin M.S	HVAC	Design
Newark	Malcolm X. Shabazz H.S	Structural	Scope Development
Newark	Roberto Clemente E.S	Building Envelope/ Structural	Scope Development
Newark	Technology H.S	Building Envelope/ Structural	Scope Development
Newark	Wilson Avenue School	Structural- Chimney Repairs	Scope Development
Paterson	PS 5 E.S	Exterior Masonry & Roofing	Design
Paterson	Roberto Clemente E.S	HVAC Electric Issues	Construction
Plainfield	Plainfield H.S	Building Envelope/ Structural	Scope Development
Plainfield	Plainfield H.S	Structural - Stairs	Scope Development

District-Managed Emergent Projects			
District	School Name	Project Scope	Status
Newark	Avon Avenue E.S	Building Envelope- Exterior Masonry Repairs	Construction
Newark	Fourteenth Avenue E.S	Building Envelope- Exterior Masonry Repairs	Construction
Newark	Hawthorne Avenue E.S	Building Envelope- Exterior Masonry & Roofing	Construction
Newark	Malcolm X. Shabazz H.S	Exterior Masonry Repairs	Construction
Newark	Malcolm X. Shabazz H.S	Roof Investigation & Replacement	Construction
Newark	Newark Vocational	Exterior Masonry Repairs & Roofing Replacement	Construction
Newark	Newark Vocational	Window Investigation & Replacement	Construction
Newark	Peshine Avenue E.S	Building Envelope- Exterior Masonry Repairs	Construction
Paterson	PS 19 E.S	Retaining Walls	Design
Paterson	PS 9 E.S	Outdoor Play Area Repairs	Design

Appendix C - ROD Grant Projects Executed During Reporting Period

School District	School Name	Brief Project Description	Total Project Costs	State Share	Local Share	Execution Date
Hudson County Vocational School District	HCST Jersey City Center	HVAC upgrades	\$1,957,052.00	\$1,043,696.00	\$913,356.00	10/27/2017
Hudson County Vocational School District	HCST Jersey City Center	Roof replacement	\$3,568,299.00	\$1,902,974.00	\$1,665,325.00	10/27/2017
Hudson County Vocational School District	HCST North Hudson Center	Roof replacement	\$2,538,026.00	\$1,353,529.00	\$1,184,497.00	10/27/2017
Montclair	Edgemont E.S.	Kitchen upgrades, including finishes, counters and cabinets. Upgrade plumbing fixtures and electrical receptacles.	\$254,890.00	\$101,956.00	\$152,934.00	11/2/2017
Montclair	Glenfield M.S.	Art room renovations (-) add sinks and cabinets for classroom use as an art room.	\$33,960.00	\$13,584.00	\$20,376.00	11/2/2017
Montclair	Hillside E.S.	Fire curtain replacement	\$57,773.00	\$23,109.00	\$34,664.00	11/2/2017
Montclair	Montclair High School/George Inness H.S. Annex	George Inness Annex: Re(-)roofing; masonry parapet repairs and waterproofing; VAT floor replacement	\$167,380.00	\$66,952.00	\$100,428.00	11/2/2017
Montclair	Montclair High School/George Inness H.S. Annex	Library re(-)roofing, masonry repairs and waterproofing; VAT floor replacement; electrical	\$319,285.00	\$127,714.00	\$191,571.00	11/2/2017
Montclair	Northeast E.S.	Reroofing, masonry	\$241,445.00	\$96,578.00	\$144,867.00	11/2/2017
Mount Laurel Township	Countryside E.S.	Installation of CCTV security system	\$39,709.00	\$15,883.60	\$23,825.40	1/11/2018
Mount Laurel Township	Fleetwood E.S.	Installation of CCTV security system	\$38,659.00	\$15,463.60	\$23,195.40	1/11/2018
Mount Laurel Township	Hillside E.S.	Installation of CCTV security system	\$33,563.00	\$13,425.20	\$20,137.80	1/11/2018
Mount Laurel Township	Larchmont E.S.	Installation of CCTV security system	\$49,469.00	\$19,787.60	\$29,681.40	1/11/2018
Mount Laurel Township	Parkway E.S.	Installation of CCTV security system	\$30,692.00	\$12,276.80	\$18,415.20	1/11/2018
Mount Laurel Township	Springville School	Installation of CCTV security system	\$49,149.00	\$19,659.60	\$29,489.40	1/11/2018
Red Bank	Red Bank Primary	HVAC replacement throughout	\$1,214,526.00	\$485,810.00	\$728,716.00	2/23/2018
Rutherford	Rutherford H.S.	Gym roof replacement	\$388,265.00	\$155,306.00	\$232,959.00	10/6/2017
Rutherford	Sylvan E.S.	electrical service upgrades	\$451,475.00	\$180,590.00	\$270,885.00	10/6/2017
West Milford Township	Paradise Knoll E.S.	Cafeteria table replacement.	\$17,365.89	\$6,946.36	\$10,419.53	3/9/2018
Total - 19 Grants			\$11,450,982.89	\$5,655,240.76	\$5,795,742.13	

Appendix D - Number of Minority/Female Work-Hours by Trade

Construction Contracts: Number of Minority/Female Work-Hours by Trade

(October 1, 2017 through March 31, 2018)

Trade	Total Work-Hours	Minority Work-Hours	Minority Work-Hours Percentage	Female Work-Hours	Female Work-Hours Percentage
Asbestos	6,640	5,728	86.27%	4560	6.87%
Carpenter	50,055	10,781	21.54%	48	.10%
Caulking & Waterproofing	724	724	100%	0	0%
Dockbuilder	130	42	32.31%	0	0%
Dry Wall – All	853	821	96.25%	0	0%
Dynamic Compaction	32	0	0%	0	0%
Electrician	97,252	17,260	17.75%	2,591	2.66%
Elevator Constructor	257	0	0%	0	0%
Flooring/Tile Installation	3,099	478	15.42%	0	0%
Glazier	6,704	1,006	15.01%	0	0%
HVACR	4,283	264	6.16%	0	0%
Insulator	4,882	144	2.95%	0	0%
Iron Erector	11,037	2,956	26.78%	0	0%
Ironworker	5,189	1,068	20.58%	0	0%
Laborer	100,954	46,350	45.91	1,137	1.13%
Landscape Construction	242	121	50%	0	0%
Masonry/Bricklayer	86,384	16,583	19.20%	96	0.11%
Operating Engineer	11,387	538	4.72%	168	1.48%
Painting – General	8,880	2,215	24.94%	0	0%
Pipefitter	14,436	5,532	38.32%	0	0%
Plumber	21,450	4,661	21.73%	0	0%
Roofer	12,346	2,692	21.80%	0	0%
Sheet Metal Worker	26,687	6,523	24.44%	1,514	5.67%
Sprinkler Fitter	9,048	889	9.83	259	2.86%
Steam Fitter	15,838	3,568	22.53%	104	0.66%
Trucker	30	0	0%	0	0%
TOTALS	498,819	130,944	26.25%	6,373	1.28%

Appendix E - Cost of Construction Per Square Foot Comparison to MSA

Metropolitan Statistical Area (MSA) Totals				
Cost Per Square Foot Comparison at Bid				
Statistical Brief				
Source	Area	Elementary School	Middle School	High School
McGraw-Hill Metropolitan Statistical Area (MSA) (October 2017 - March 2018)	Philadelphia	\$275	\$295	\$677
	New York	\$389	\$434	\$165
School Planning & Management by Region 2 State Average ¹	NY, NJ, PA Average	-	-	-
New York City School Construction Authority^A (Dated Sep. 2017 for Fiscal 2017)	New York City	\$732	\$777	\$817
SDA Managed Projects* (October 2017 - March. 2018)	Statewide	\$292	\$302	-

The table represents a statistical cross-section of data from numerous sources with report dates ranging from September 2017 to March 2018. Costs are at time of bid.

1 - No Current reporting for Region 2 (for NJ, NY and PA only) as reported by School Planning & Management.

^ANumbers reflect the New York City Mayor's Management Report Dated September 2017. Construction bid price for school capacity projects per square foot.

**Cost at Bid for 2 SDA District Projects (Pemberton - Denbo-Crichton ES; Passaic - Dayton Ave. Educational Campus PK-8. Construction costs do not include costs for site construction. (For projects advanced via Design-Build Engagements, design fees included in the bid amount have been deducted to calculate the Construction Cost Per Square Foot).*

The table above provides a comparison of cost per square-foot for new school construction (public schools) within the Philadelphia and New York City Metropolitan Statistical Comparison areas (MSAs). This addresses the August 2007 statutory requirement that the cost of school facilities projects undertaken and funded by the SDA are compared to similar school facilities projects constructed in the New York City and Philadelphia MSAs.

The U.S. Office of Management and Budget is responsible for developing standards for defining the MSAs and for applying these standards with Census data.

The table above also includes information from the School Planning and Management School Construction Report, a recognized national-construction data source, as well as information from the New York City Department of Education School Construction Authority. The use of multiple sources to monitor and analyze construction costs provides assurance that industry-wide pricing trends are addressed.

Appendix F - School Facilities Construction Bonds and Notes

New Jersey Schools Development Authority EDA School Facilities Construction Bonds and Notes State Fiscal Years 2001–2018					
Fiscal Year	Issue Date	Series	Restricted	Denominations	Principal Amount Issued
2001	04/02/01	A		\$5,000	\$ 500,000,000
<i>Subtotal</i>					<i>\$ 500,000,000</i>
2002	12/28/01	B	QZAB	\$5,000	\$ 8,600,000
<i>Subtotal</i>					<i>\$ 8,600,000</i>
2003	10/16/02	C		\$5,000	\$ 600,000,000
2003	12/30/02	D	QZAB	\$5,000	\$ 29,400,000
2003	03/14/03	E	QZAB	\$5,000	\$ 7,929,000
<i>Subtotal</i>					<i>\$ 637,329,000</i>
2004	08/07/03	F		\$5,000	\$ 600,000,000
2004	01/23/04	G		\$5,000	\$ 650,000,000
2004	05/18/04	H		\$5,000	\$ 300,000,000
<i>Subtotal</i>					<i>\$ 1,550,000,000</i>
2005	08/31/04	I		\$5,000	\$ 250,000,000
2005	08/31/04	J		\$5,000	\$ 500,000,000
2005	04/06/05	L		\$5,000	\$ 150,000,000
2005	04/06/05	M		\$5,000	\$ 500,000,000
<i>Subtotal</i>					<i>\$ 1,400,000,000</i>
2006	10/04/05	O		\$5,000	\$ 750,000,000
2006	12/15/05	P		\$5,000	\$ 175,000,000
2006	12/15/05	Q		\$5,000	\$ 500,000,000
<i>Subtotal</i>					<i>\$ 1,425,000,000</i>
2007	11/02/06	R		\$5,000	\$ 500,000,000
2007	11/02/06	S		\$5,000	\$ 100,000,000
<i>Subtotal</i>					<i>\$ 600,000,000</i>
2008	10/04/07	T		\$5,000	\$ 500,000,000
2008	10/04/07	U		\$5,000	\$ 300,000,000
2008	06/03/08	X		\$5,000	\$ 250,000,000
2008	06/03/08	Y		\$5,000	\$ 200,000,000
<i>Subtotal</i>					<i>\$ 1,250,000,000</i>
2009	01/29/09	Z		\$5,000	\$ 175,000,000
2009	06/18/09	A Notes		\$5,000	\$ 400,000,000
<i>Subtotal</i>					<i>\$ 575,000,000</i>
2010	08/20/09	BB		\$5,000	\$ 200,000,000
2010	05/17/10	CC-1	BAB	\$5,000	\$ 104,115,000
2010	05/17/10	CC-2		\$5,000	\$ 48,910,000
2010	05/17/10	B Notes	BAB	\$2,000	\$ 350,000,000
<i>Subtotal</i>					<i>\$ 703,025,000</i>
2013	10/03/12	G Notes		\$5,000	\$ 119,060,000
2013	10/03/12	H Notes		\$5,000	\$ 119,060,000
2013	10/03/12	KK		\$5,000	\$ 136,880,000
<i>Subtotal</i>					<i>\$ 375,000,000</i>
2014	05/06/14	RR		\$5,000	\$ 60,000,000
<i>Subtotal</i>					<i>\$ 60,000,000</i>
2015	10/17/14	UU		\$5,000	\$ 525,000,000
<i>Subtotal</i>					<i>\$ 525,000,000</i>
2016	08/31/15	WW		\$5,000	\$ 500,000,000
<i>Subtotal</i>					<i>\$ 500,000,000</i>
2017	12/08/16	AAA		\$5,000	\$ 342,850,000
<i>Subtotal</i>					<i>\$ 342,850,000</i>
2018	10/05/17	DDD		\$5,000	\$ 350,000,000
<i>Subtotal</i>					<i>\$ 350,000,000</i>
Grand Total					\$ 10,801,804,000

Appendix G - School Facilities Projects Approved by DOE

From October 1, 2017 through March 31, 2018, the New Jersey Department of Education approved three school facilities projects which were then undertaken and funded by the SDA. There weren't any projects that exceeded the Facilities Efficiencies Standards (FES).

School Facilities Projects Approved by DOE				
October 1, 2017 – March 31, 2018				
	Total School Facilities Projects Approved	Required Educational Adequacy/FES Review	Projects Requiring Educational Adequacy/RES Review & Exceeding the FES*	% of Projects Requiring Educational Adequacy/FES Review and Exceeding the FES
All Districts	512	80	0	0%
SDA Districts	3	3	0	0%
RODs	509	77	0	0%

Note: The information included in the table above was provided by the New Jersey Department of Education, Office of School Facilities.