

June 2017 Biannual Report

Reporting Period of October 1, 2016—March 31, 2017



STATE OF NEW JERSEY

SCHOOLS DEVELOPMENT AUTHORITY

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New Jersey Schools Development Authority (SDA)

The New Jersey Schools Development Authority (SDA) fully funds and manages the new construction, modernization and renovation of school facilities projects in 31 school districts, known as the SDA Districts. It 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.

SDA Executive Staff

Charles B. McKenna
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Andrew D. Yosha
Executive Vice President – Program Operations and Strategic Planning

Donald R. Guarriello
Vice President and Chief Financial Officer

Jane F. Kelly
Vice President – Corporate Governance and Operations

Manuel Da Silva
Vice President – Construction Operations

MESSAGE FROM CEO CHARLES B. MCKENNA

The state of the Authority is good and we are moving forward on many fronts. We had groundbreakings in New Brunswick for the addition and renovation to the Paul Robeson Community Theme School for the Arts, in Passaic for the Leonard Place Elementary School, in Vineland for the Lincoln Avenue Middle School and in Trenton for the new Trenton Central High School. We also held beam signings, signifying major milestones in construction, for the Paul Robeson School in New Brunswick (yes, it is moving along that quickly), as well as the new South Street Elementary School in Newark. Closer to the beginning stages are the Harrison and Irvington Elementary School projects that are in the design phase. In all we had ten projects in varying stages of construction at the end of this reporting period. The Authority and its employees continue to work diligently to provide first-rate learning facilities to communities in need.

On the grant side of the house, we executed 38 grants for projects in 19 school districts that will permit major beneficial work to move forward. Thus, the reach of the Authority extends not only to the 31 SDA districts but touches the entire state.

Over the years, the Authority has offered training to the small, women and minority owned business community. The program is designed not only to assist these businesses in navigating the bureaucratic maze that is sometimes government, but also to provide educational blocks in many other areas of running a small business. The courses are taught largely by the SDA staff with assistance from some outside agencies. The feedback we have received has been uniformly positive and we will continue to offer these courses as a way of assisting those companies that want to grow and seek state work. It is also the right thing to do. Small businesses are a vital economic engine for this State and we strive to make sure that those willing to put in the time and attend the courses gain a real benefit from their participation.

I have been saying since I arrived here, over three years ago, that we are doing things better than ever and I now have the numbers to prove it. We recently reviewed 12 projects delivered during Governor Christie's tenure, including seven on which we utilized the design-build framework that was introduced after a directive from Governor Christie to revamp the Authority's business operations. We found that the overall change order expenditures for those projects averaged 2.2 percent per project. This compares with what occurred prior to the Christie Administration (from 2006 to 2009), where the 17 projects reviewed experienced an average change order cost per project of nearly 12.2 percent. That equates to a savings of more than \$2 million per project on average compared to projects completed in prior years. We are justifiably proud of these statistics since each dollar saved on a project is a dollar more we have to spend elsewhere.

We will continue to move forward. On our planning board are major projects including the Dayton Avenue complex in Passaic City and new high schools in Camden and Perth Amboy. These will go a long way to not only providing high quality educational environments but, in the case of Passaic and Perth Amboy, to addressing pronounced overcrowding problems. Again, my thanks to the SDA staff, its Board of Directors, the many construction entities that work with us and, finally, to the men and women in the construction trades who, in good weather and bad, erect the quality schools that our children deserve.

SCHOOL CONSTRUCTION STATEWIDE

Groundbreakings

The Schools Development Authority (SDA) opened nine new or renovated facilities in 2016, and during this reporting period added to its active construction portfolio by breaking ground for three new schools and one addition/renovation project. Representing more than \$308 million in total project costs, these schools will provide 638,000 square feet of new construction. The projects are all advancing through a design-build delivery approach.

The beaming faces of the students, wearing hard hats, with shovels in hand, reflect the excitement a new school brings to the community. Every new school is more than just a building; it changes the lives of the students and community members who will have access to it. Not only do these schools serve as places for students to learn, but they often also provide support resources and community gathering spaces.

Led by Principal Hope Grant in chants of T-C-H-S, Trenton Central High School students welcomed Governor Chris Christie to the site of their future new school in December 2016. Together with local officials, they broke ground for the new 374,000 square foot learning center, which is scheduled to open to students in September 2019.



In his remarks, Governor Christie expressed his commitment to revitalizing the City of Trenton, starting with providing Trenton students a school facility where they can receive the highest quality education. He noted that the new \$155.4 million school furthers efforts to improve the Capital city and honors the pride felt by countless Trenton alumni and community residents.

The new school will support the District's educational program by including space for five Small Learning Communities (SLC) and Career Technical Education programs related to Health Sciences, Culinary Arts, Construction, Physical Fitness and Automotive Technology.



In Vineland, students and officials joined SDA for a groundbreaking ceremony to celebrate the start of construction of the 99,000 square foot Lincoln Avenue Middle School designed to accommodate 620 students in grades six through eight.

The new \$49.8 million school will provide additional capacity in the Vineland School District. The school will open to students in September 2018.

The groundbreaking event for the addition/renovation at the Paul Robeson Community Theme School for the Arts in New Brunswick marked the start of a project that will significantly increase student capacity. The project will double the school building size through an addition of 60,000 square feet and renovate the existing structure.



This \$47 million project will include a new multi-purpose room, 30 additional classrooms, four small instruction rooms, and two Basic Skills/ESL classrooms. Students, currently occupying a swing space facility in the city, eagerly anticipate returning to their “new” school in September 2018.

Students, and state and local officials were on hand to break ground for the new Leonard Place Elementary School in Passaic City. The new school is located across the street from the SDA-built Passaic Gifted and Talented Academy, which opened to students in 2015. The addition of two new schools in the Passaic City community assists in their efforts to revitalize the area. Once complete, space beside the Leonard Place



school will be available for commercial/retail development. This will further benefit the community and provide a buffer for the school from a busy street.

The new \$55.9 million 105,000 square-foot school is the second of three projects that, once completed, will provide seats for a total of more than 4,000 students and go a long way towards addressing the needs in this community.

Students Make Lasting Mark on Steel Beams at Two Schools

The sight of a steel structure in place allows communities awaiting a new school to actually visualize their new school building. In January, State and local officials joined SDA, students and district personnel at a beam signing ceremony to celebrate the construction progress of the Newark South Street Elementary School. Braving the cold weather, those present grabbed a marker and signed their names to a steel beam that would later be placed in the school being built across the street. The event marked an important milestone on this long-awaited project.

The original South Street School, built 130 years ago, was not equipped to provide Newark students with the educational environment they need to excel today. The new



South Street Elementary School, also located in the East Ward, will be a 103,000 square foot facility designed to accommodate 657 students in grades pre-kindergarten through eight. The school will include instructional spaces that will bolster the educational program including two science labs, six small group instruction rooms, a computer/technology lab, and a world languages classroom.

In February 2017, SDA returned to the site of the Paul Robeson Community Theme School for the Arts only a few short months after breaking ground. SDA joined students in a beam signing ceremony to celebrate the progress of the addition, which had greatly advanced in a short period of time. On schedule for student occupancy in a much larger and significantly renovated building by September 2018, the beam signing ceremony marked another milestone toward completion of the school.



The 60,000 square-foot, 3-story addition will include a new multi-purpose room, 30 additional classrooms, four small instruction rooms, and two Basic Skills/ESL classrooms. The 59,400 square-foot existing school is also undergoing renovation. Students signed a piece of steel that was later hoisted into place as part of one of the stair towers.



SCHOOLS IN CONSTRUCTION

CURRENT PROGRESS

RENDERING OF COMPLETED SCHOOL

Bridgeton Quarter Mile Lane Elementary School



Elizabeth New Elementary School



Garfield James Madison Elementary School



CURRENT PROGRESS

RENDERING OF COMPLETED SCHOOL

Jersey City Patricia M. Noonan Elementary School



New Brunswick Paul Robeson Community Theme School for the Arts



Newark South Street Elementary School



CURRENT PROGRESS

RENDERING OF COMPLETED SCHOOL

Passaic City Leonard Place Elementary School



Trenton Central High School



Vineland Lincoln Avenue Middle School



With 10 projects in construction at the end of the reporting period, the SDA continues important Capital Portfolio activity after opening nine schools in 2016.

SDA Projects in Construction as of March 31, 2017					
District	Project Name	Project Type	Anticipated School Opening	Total Estimated Project Cost	Max Student Capacity
Bridgeton	Quarter Mile Lane E.S.	Addition/Renovation	September 2017	\$39 M	795
Elizabeth	Elementary School	New Construction	September 2017	\$55.3 M	990
Garfield	James Madison E.S.	New Construction	September 2018	\$29.7 M	305
Jersey City	Patricia M. Noonan E.S.	New Construction	April 2017	\$54 M	848
New Brunswick	Paul Robeson Community Theme School for the Arts	Addition/Renovation	September 2018	\$47 M	893
Newark	South Street E.S.	New School	September 2018	\$69.9 M	657
Passaic City	Leonard Place E.S.	New School	September 2018	\$55.9 M	698
Trenton	Trenton Central High School	New School	September 2019	\$155.4 M	2,176
West New York	Harry L. Bain E.S.	Rehabilitation	September 2017	\$16.8 M	791
Vineland	Lincoln Avenue M.S.	New School	September 2018	\$49.8 M	624
10 Schools in construction				\$572.8 M	8,777

Capital Project Portfolio Overview

During the Christie Administration's tenure, the SDA has approved a Capital Portfolio consisting of 40 projects. At the end of the reporting period:

- 14 projects are complete;
- 10 projects are in active building construction;
- 3 projects have initiated the design phase of a design-build contract;
- 2 projects are in design-build procurement;
- 3 projects are in early site preparation procurement;
- 5 projects are in design development;
- 2 projects are in design development with a design consultant; and
- 1 project is in scope development.

Noteworthy advances on projects during the reporting period include:

Design-Build Notices to Proceed (NTP) Issued:

- The new **Elementary School in Harrison** (Hudson County) is a 67,800 square-foot school designed to educate 392 students in grades Pre-K through one. The anticipated school opening date is September 2019. The NTP for design was issued in December 2016.
- The new **Madison Elementary School in Irvington** (Essex County) is a 73,450 square-foot school designed to educate 463 students in grades Pre-K through five. The anticipated school opening date is September 2019. The NTP for design was issued in January 2017.

Projects that Initiated Early Site Work or Design-Build Procurement:

- A design-build procurement for the **George Washington Carver Elementary School in East Orange** (Essex County).
- An early site work procurement for the **Union Avenue Middle School in Paterson** (Passaic County).
- An early site work procurement for the **Aletta Crichton Elementary School in Pemberton** (Burlington County).

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

Repairing New Jersey's Aging Educational Infrastructure

The SDA's Emergent Project Program assists SDA Districts that have existing school buildings in need of critical repair and rehabilitation work. Significant emergent work undertaken by the SDA at dozens of school buildings throughout the State addressed issues including the repair or replacement of roofs, windows, exterior masonry, heating and cooling systems, and plumbing, electrical, mechanical and security systems, as well as addressing water infiltration issues. In fact, since the start of the Christie Administration, 159 emergent projects (SDA-managed and delegated) have been completed in 29 SDA Districts.

Currently, at the end of the reporting period, the SDA is managing five emergent projects, all in the design phase. This includes structural work on Cramer Elementary School in Camden and exterior masonry and roofing work at PS 5 in Paterson.

Local school districts also continued working on another ten projects previously delegated to the Districts for management. These ten projects are currently in design at schools in two SDA Districts, Newark and Paterson.

During the reporting period, the SDA worked with the New Jersey Department of Education (DOE) to identify and evaluate additional potential emergent projects in SDA Districts that can be addressed with remaining funds. Projects to be considered focused upon those with scopes that address the following: building envelope conditions allowing water infiltration, including roofing and wall systems; existing mechanical system failures or anticipated failures; structural issues, and fire and life safety issues, including existing fire alarm and fire suppression systems. This evaluative work was ongoing at the end of the

reporting period. Following completion of the review and prioritization of potential emergent projects, final determination letters will be issued and the work will advance on approved projects.

For a status report on the SDA's Emergent Projects, please see Appendix C.

Grant Program Benefits Regular Operating Districts

The Regular Operating District (ROD) Grant program funds at least 40 percent of eligible costs for projects in the ROD districts Statewide. These projects generally address health and safety issues, as well as other critical needs and have a positive impact on student learning.

Since January 2010, the SDA has executed 2,381 grants, providing \$724 million to local districts and leveraging projects estimated at \$1.8 billion. A list of executed ROD Grant projects is available on the SDA website.

Of the \$3.45 billion in authorized funding for the ROD Grant program, \$2.7 billion has been paid to date. At this time, all funding for ROD facility projects has been committed.

With an active ROD Grant portfolio of more than \$480 million in state share, the SDA's ROD Grant program serves as an important vehicle for school construction projects in districts statewide. During the reporting period, the SDA executed 38 grants for projects in 19 school districts. These projects represent more than \$39 million in state funding and nearly \$60 million in total project costs.

SDA ROD Grants executed during this reporting period include projects such as:

- Madison School District – Madison High School (Morris County): Partial Roof replacement. State share: \$1,291,710. Estimated total project costs: \$3,229,275.
- Freehold Borough School District – Additions to Intermediate Middle School and Park Avenue Elementary School (Monmouth County). State share: \$13,709,600. Estimated total project costs: \$13,709,600 (Renovation work at both facilities is funded by Local Share).
- Berkeley Heights School District – Columbia Middle School (Union County): Site Work - Replaced approximately 23,000 square feet of roofing with new roof. Asbestos removal in boiler room. State share: \$819,762. Estimated total project costs: \$2,049,404.
- Bloomingdale School District – Walter T. Bergen Middle School (Passaic County): Site Work - Remove existing concrete sidewalks and curbs along front of school; Install new concrete curbing, concrete sidewalk and install new drop curbs for handicap accessibility. State share: \$29,118. Estimated total project costs: \$72,796.

For a listing of ROD Grants executed during the reporting period, please see Appendix D.

IMPROVED PROJECT DELIVERY SUCCESS

Through the significant programmatic and organizational changes instituted at the SDA under the Christie Administration, the school construction program has experienced significant success in both the delivery of school projects and the careful stewardship of taxpayer resources.

At the March 2017 Board Meeting, SDA staff provided the Board of Directors with a report detailing the successes achieved by the school construction program over the last few years. The presentation focused on 12 school projects delivered during Governor Christie's tenure, including nine delivered in 2016. The 12 projects include seven design-build projects and five design-bid-build projects.

All 12 projects were completed within or under budget. In terms of change orders, the average across all projects is 2.2 percent and 1.9 percent when excluding change orders related to school district-initiated IT plan adjustments. Looking at the design-build projects only, change order levels drop to 0.5 percent. These numbers are even more impressive when compared to 17 projects initiated between 2006 and 2009 where the change order activity represented 12.2 percent of construction.

In terms of schedule, 11 of the 12 projects opened to students as originally projected or earlier with four projects delivered ahead of schedule. These projects include the Newark Elliott Street School, which opened in February 2016, and the Newark Oliver Street School, which opened in June 2016. The overall duration for design-bid-build projects is 58 months vs. 43 months for design-build projects.

This data highlights the success achieved by the SDA since 2010. The updated processes and approaches now employed by the SDA deliver schools on budget, on schedule and with greater predictability.

Comparison of Change Order and Duration Information by Delivery Type

Information as of December 2016

Change Orders	Design-Bid-Build (5 Projects)	Design-Build (7 Projects)	SDA Capital Program to Date (12 Projects)	Historical Projects (17 Projects) (NTP 2006 - 2009)
*Change Orders (#) - Average per project	60	5	26	101
*Change Orders (\$) - Average per project	\$1,684,787	\$158,418	\$800,085	\$3,271,220
*Change Orders (% of Construction) - Average per project	4.0%	0.5%	2.2%	12.2%

*Change Orders are net of the Constructability Review Change order for Design-Bid-Build Projects

Duration Information GC or DB Advertisement to Construction Start	Design-Bid-Build (5 Projects)	Design-Build (7 Projects)	SDA Capital Program to Date (12 Projects)
From Advertisement to Award (months) - Average	5.0	5.0	5.0
*Award to Construction (months) - Constructability/DB Design - Average	6.0	8.8	7.4
Award to School Occupancy (months) - Average	36.9	33.9	35.4

*DB Design ends with issuance of Footings and Foundations NTP

SUPPORTING SMALL BUSINESSES

Annual Training Program Assists Small Businesses

The SDA commenced its annual Small Minority and Women-owned Business Enterprise (SMWBE) Contractor Training Program to provide participants with valuable knowledge on ways to advance their businesses and specifics on conducting business and finding work with the SDA and other State agencies. For its seventh installment of the program, SDA extended its duration to nine weeks beginning in March 2017.

Forty firms were accepted into the program representing a myriad of trades and professions. Participating trades included general construction, masonry, electrical, HVAC, graphic design, environmental services, and security system installation. Throughout the session, participants received instruction on business plan development, prequalification, budgeting and the basics of project management. Additions for 2017 included a session on Prevailing Wage and a Finance Forum – “Finding the Funding.”

Primarily, SDA staff who have extensive experience teach the courses. Participants have repeatedly expressed their appreciation for the opportunity to learn directly from SDA employees who are personally involved with different aspects of the school construction program. The feedback received from participants after each session has been positive. Comments following the accounting session included the following: “It was very informative and the instructor used real life examples,” and “the Instructor was very knowledgeable and I feel the information helped my business.”

The 2017 program ends with a graduation/networking event that affords graduates an opportunity to speak with several of the State’s large general contracting firms and representatives from other State contracting organizations that can further benefit their growth.



Construction Contracts for Small Businesses

In December 2010, the Governor signed legislation that directs the SDA to compile information biannually on the number of school construction contracts entered into by the Authority with minority and women contractors during the reporting period. This information must include the total value of these contracts and the percentage that they represent of all school facilities project construction contracts entered into by the Authority.

SDA Contract Awards to Small Business Enterprises (October 1, 2016 – March 31, 2017)

Total SDA Construction Contracts	\$213,084,650
Total SBE Contracts (inclusive of MBE, SMWBE contracts)	\$34,049,132
Percentage of SDA Contracts Awarded to SBEs	15.98 %

The SDA's SBE program goal seeks 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 Small Business Enterprises (SBE). The SDA requires consultants and prime contractors to identify SBE sub-consultants and SBE subcontractors at the start of work and document good-faith efforts to hire available SBE firms throughout the contract duration. Staff monitors each contract to ascertain the SDA consistently meets or exceeds this goal.

During the reporting period, SBE/minority-owned businesses were awarded \$217,750 or 0.10% of total construction contracts awarded by the Authority. Also, SBE/women-owned businesses were awarded \$2,244,530 or 1.05% of SDA total construction contracts awarded.

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

FINANCIAL OVERVIEW

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, the amount of bonds issued to date to fund the program is \$10.45 billion, including \$2.31 billion since 2010. This includes a December 2016 Bond issuance of \$342.85 million to support the state's school construction program.

As of March 31, 2017, SDA had approximately \$460 million in cash on hand, having disbursed \$195 million during the reporting period. The 2016 financial statements, audited by Ernst & Young LLP, were approved by the SDA Board in May 2017 and can be found on the SDA's website at: https://www.njsda.gov/njsda/RP/Financial_Reports.html.

The SDA's proven track record of protecting the limited resources allocated by New Jersey taxpayers for SDA school construction projects throughout the State speaks for itself. While SDA's processes and procedures enforce this commitment, when the need for cost recovery efforts presents itself, the SDA is sure to act.

Between October 1, 2016 and March 31, 2017, the SDA received a total of \$1,514,498 as part of its continuing cost recovery efforts. These recoveries include:

- \$1,487,889 in settlement of a litigation brought against design professionals in connection with the Orange Park Avenue Elementary School Project;
- \$22,300 in connection with the settlement of claims asserted against the design professional on the Orange Lincoln Avenue Elementary School Project; and
- \$4,308 from an E-rate contractor on the East Orange Langston Hughes Replacement School Project.

CONNECTING WITH THE COMMUNITY

Giving Back to Local Communities



SDA is committed to making a difference in communities throughout New Jersey through the construction and renovation of school facilities. SDA employees also make a difference through participation in the Governor's annual Season of Service initiative – an effort that showcases the profound impact volunteerism has on communities across New Jersey both large and small. In December 2016, SDA staff helped make a difference through a food drive and volunteering at two food banks.

At the Community FoodBank of New Jersey, the largest food bank in the State, SDA employees packaged pasta that would later be added to larger boxes of food in an effort to feed hundreds of families across New Jersey. At the Food Bank of South Jersey, SDA employees helped to sort food donations. Both of these facilities help to feed families in many of the SDA District communities SDA provides school facilities.



APPENDIX

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

Appendix B - Status of Capital Portfolio Projects

Appendix C - Status of Emergent Project Program

Appendix D – ROD Grant Projects Executed During Reporting Period

Appendix E - School Facilities Projects Approved by DOE

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

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

Construction Contracts: Number of Minority/Female Work-Hours by Trade (October 1, 2016 - March 31, 2017)					
Trade	Total Work Hours	Minority Work Hours	Minority Work Hours %	Female Work Hours	Female Work Hours %
AC & Refrigeration Service & Repair	379	106	27.97%	0	0.00%
Asbestos Worker	9,604	6,489	67.57%	168	1.75%
Bricklayer or Mason	50,166	16,816	33.52%	227	0.45%
Carpenter	26,191	4,177	15.95%	128	0.49%
Caulker	164	164	100.00%	0	0.00%
Dockbuilder	440	120	27.27%	0	0.00%
Electrician	35,122	5,424	15.44%	113	0.32%
Fireproofers	2,344	558	23.81%	0	0.00%
Glazier	3,187	768	24.10%	94	2.95%
HVAC Mechanic	4,425	160	3.62%	0	0.00%
Insulator	629	80	12.72%	40	6.36%
Ironworker	18,650	3,418	18.33%	150	0.80%
Laborer	60,869	28,899	47.48%	32	0.05%
Operating Engineer	11,140	1,746	15.67%	316	2.84%
Other	1,875	312	16.64%	16	0.85%
Painter	2,392	659	27.55%	0	0.00%
Pipe Fitter	758	0	0.00%	0	0.00%
Plumber	17,999	5,071	28.17%	128	0.71%
Roofer	4,393	1,112	25.31%	0	0.00%
Sheet Metal Worker	9,608	1,001	10.42%	16	0.17%
Sprinkler Fitter	353	0	0.00%	0	0.00%
Steam Fitter	160	0	0.00%	0	0.00%
Supervisor	160	0	0.00%	0	0.00%
Taper	215	176	81.86%	0	0.00%
Tiler	734	0	0.00%	16	2.18%
Truck Driver	25	0	0.00%	0	0.00%
Waterproofers	168	0	0.00%	0	0.00%
GRAND TOTAL:	262,150	77,256	29.47%	1,444	0.55%

Appendix B - Status of Capital Portfolio Projects

STATE OF NEW JERSEY

SCHOOLS DEVELOPMENT AUTHORITY

Portfolio of Capital Projects

(as of March 31, 2017)

SDA Capital Portfolio		
School District	School Name	Status
Bridgeton	Buckshutem Elementary School	Completed. School opened to students in September 2016
Elizabeth	Elizabeth High School - Frank J. Cicarell Academy	Completed. School opened to students in September 2016
Gloucester City	Gloucester City Middle School	Completed. School transferred to District.
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 (Eberon)	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
Passaic City	Passaic Gifted and Talented Academy (New ES @ Henry Street)	Completed. School opened to students in September 2015
Paterson	Dr. Hari 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	Memorial High School	Alternative Delivery Method complete. St. Joseph's H.S. purchased and transferred to district. Science lab renovations delegated to district
		14
Bridgeton	Quarter Mile Lane Elementary School	Construction
Elizabeth	New ES @ Halloran PS #22 ES site	Construction
Garfield	James Madison ES	Construction
Jersey City	Patricia M. Noonan ES (ES 3)	Construction - Project Substantially Complete
New Brunswick	Paul Robeson Elementary School	Construction
Newark	South Street Elementary School	Construction
Passaic City	New Elementary School at Leonard Plane	Construction
Trenton	Trenton Central High School	Construction
Wineland	Lincoln Avenue Middle School	Construction
West New York	Harry L. Bain Elementary School	Construction
		10
Harrison	New ES	Design-Build contract awarded, Design activities ongoing
Irvington	Madison Avenue Elementary School	Design-Build contract awarded, Design activities ongoing
Perth Amboy	Seaman Avenue Elementary School	Design-Build contract awarded, Design activities ongoing
		3
East Orange	George Washington Carver Elementary School	Design-Build Procurement in progress, Early Site Work On-Going
Millville	Senior High School Addition/Renovation	Design-Build Procurement in progress
		2
Camden	Camden High School	In Design Development (SDA Design Studio)
Keansburg	Port Monmouth Road School	In Design Development
Orange	Cleveland Street Elementary School	In Design Development, Early Site Work procurement in progress
Orange	Orange High School	In Design Development
Passaic City	Dayton Avenue Elementary School Campus	In Design Development (SDA Design Studio)
Paterson	New MS @ Union Avenue	In Design Development (SDA Design Studio), Early Site Work procurement in progress
Pemberton	Alexander Denbo Elementary School	In Design Development (SDA Design Studio), Early Site Work procurement in progress
Perth Amboy	Perth Amboy High School	In Design Development (SDA Design Studio)
Plainfield	New Woodland Elementary School	In Design Development (SDA Design Studio)
Union City	New Grade 7 to 9 School	In Design Development (SDA Design Studio)
		10
Hoboken	Thomas G. Connors Elementary School	Scope development with DOE and District
		1

Appendix C - Status of Emergent Project Program

Emergent Project Program Status as of March 31, 2017

SDA Managed Emergent Projects

Design

<u>District</u>	<u>School Name</u>	<u>Project Scope</u>
Camden	Cramer Elementary School	Structural
Newark	Chancellor Avenue School	Structural
Paterson	Roberto Clemente	HVAC/ HVAC Electric Issues
Paterson	PS 5	Exterior Masonry & Roofing

Completed

<u>District</u>	<u>School Name</u>	<u>Project Scope</u>
Bridgeton	Broad Street	Building Envelope
Camden	Broadway Elementary School	Exterior Masonry
Camden	Camden High School	Cooling Tower
Camden	East Camden Middle School	HVAC
Camden	Lanning Square at Feters Elementary School	Exterior Masonry
Camden	Molina Elementary School	HVAC & Roofing
Camden	Pyne Poynt Middle School	Structural
Camden	Sharpe Elementary School	Building Envelope
Camden	Sharpe Elementary School	Roofing
Camden	Washington Elementary School	Structural Repairs
East Orange	Cochran Academy	Roof & Ceiling
East Orange	Ecole Toussaint Louverture	Water Infiltration Repairs
East Orange	Hart Middle School	Building Envelope
East Orange	Houston Elementary School	Roof & Ceiling
East Orange	Jackson Academy	Roofing
East Orange	Tyson Community Middle/High School	Roof & Ceiling
East Orange	Louverture	Auditorium Repairs and Water Infiltration Repairs
East Orange	Warwick Elementary School	Roof, Ceiling & Curtain Wall Repairs
Harrison	Washington Middle School	Structural
Irvington	Chancellor Avenue Elementary School	Building Envelope
Irvington	Irvington High School	HVAC, Roof and Masonry
Irvington	Madison Avenue Elementary School	Building Envelope
Irvington	Union Avenue Middle School	Building Envelope
Irvington	University Middle School	Building Envelope
Irvington	Union Avenue Middle School	Boiler Replacement
Newark	Alma-Flagg Elementary School	HVAC
Newark	Avon Elementary School	Roofing
Newark	Barringer High School	Plumbing
Newark	Bragaw School	Exterior Masonry
Newark	East Side High School	Cornice Work, Roofing & Water Infiltration
Newark	Hawkins Elementary School	HVAC
Newark	Horton School	Roofing
Newark	Ridge Elementary School	HVAC
Newark	Roberto Clemente School	Exterior Masonry
Newark	Shabazz High School	Roofing, Water Infiltration & Exterior Masonry
Newark	South Street Elementary School	Exterior Masonry & Roofing
Newark	Sussex Elementary School	HVAC
Newark	W. Brown School	Roofing
Newark	Weequahic High School	Exterior Masonry & Roofing
Newark	West Side High School	Electrical
Newark	Wilson Avenue Elementary School	Building Envelope
Orange	Orange Preparatory Academy	Roofing
Passaic City	School 1, Thomas Jefferson School	Roofing
Passaic City	School 6, Dr. Martin Luther King, Jr. School	Roofing
Passaic City	School 11, Memorial Elementary School	Building Envelope
Passaic City	School 11, Memorial Elementary School	Roofing
Passaic City	School 12, Passaic High School	Building Envelope
Paterson	14th Avenue Early Learning Center	Building Envelope
Paterson	Public School 3	Windows
Paterson	Public School 4	Unit Ventilators
Paterson	Public School 6	Window Replacement
Paterson	Public School 10	Boiler Piping
Paterson	Public School 16	Windows
Paterson	Sage Adult School & Alternative Middle/High School	Roofing
Salem City	Salem High School	Building Envelope
Salem City	Salem Middle School	Building Envelope
Trenton	Central High School West	HVAC
Trenton	Trenton Central High School	Roofing
Trenton	Trenton Central High School	Exterior Masonry
Vineland	Vineland High School South	HVAC
West New York	PS #1	Structural
West New York	PS #5	Structural

Appendix D – ROD Grant Projects Executed During Reporting Period

School District	County	School Name	Project Description	Execution Date	Total Project Cost	State Share	Local Share
Bay Head	Ocean	Bay Head E.S.	Mechanical upgrades	10/20/2016	\$863,800	\$345,520	\$518,280
Berkeley Heights	Union	Governor Livingston H.S.	Repair existing plumbing piping and hose bibbs. Renovation of 4 gang toilet rooms including finishes, fixtures, and accessories. Provide tank style grease trap in kitchen. Replace 18 exhaust fans	1/12/2017	\$516,457	\$206,583	\$309,874
Berkeley Heights	Union	Columbia M.S.	Replace approximately 23,000 s.f. of roofing with a new built(-)up roof. Asbestos removal in the boiler room	1/12/2017	\$2,049,404	\$819,762	\$1,229,642
Berkeley Heights	Union	William Woodruff E.S.	Replacement of approximately 4,000 s.f. of roofing. Replacement of main and branch plumbing valves including new drinking fountains. Renovation of all gang toilet rooms including finishes, fixtures, and accessories	1/12/2017	\$338,784	\$135,514	\$203,270
Berkeley Heights	Union	Thomas P. Hughes E.S.	Exterior Closure, Plumbing, Electrical	1/12/2017	\$248,365	\$99,346	\$149,019
Berkeley Heights	Union	The Mary Kay McMillin ECC	Repair water supply piping and replace drinking fountains. Renovation of all gang toilet rooms including finishes, fixtures, and accessories	1/12/2017	\$169,000	\$67,600	\$101,400
Berkeley Heights	Union	Mountain Park E.S.	Replacement of plumbing piping. Renovation of all gang toilet rooms including finishes, fixtures, and accessories	1/12/2017	\$156,065	\$62,426	\$93,639
Blairstown Township	Warren	Blairstown E.S.	Window replacement	11/4/2016	\$1,121,639	\$448,656	\$672,983
Bloomington	Passaic	Walter T. Bergen M.S.	Barrier free improvements: Remove existing concrete sidewalks & curbs along front of school; Install new concrete curbing, concrete sidewalk & install new drop curbs for handicap accessibility	1/29/2017	\$72,796	\$29,118	\$43,678
Califon	Hunterdon	Califon Borough E.S.	Upgrade existing septic system	11/28/2016	\$95,000	\$38,000	\$57,000
Central Regional	Ocean	Central Regional M.S.	Window replacement	12/29/2016	\$348,136	\$139,254	\$208,882
East Windsor Regional	Mercer	Ethel McKnight E.S.	Exterior Closure	11/4/2016	\$25,000	\$10,266	\$14,734
Englewood City	Bergen	Dwight Morrow H.S.	Window and exist door replacement	12/29/2016	\$1,000,720	\$400,288	\$600,432
Franklin Township - Somerset	Somerset	Hillcrest E.S.	Addition of four (4) special ed classrooms, mechanical room addition	12/29/2016	\$2,024,730	\$320,320	\$1,704,410
Freehold Borough	Monmouth	Park Avenue E.S.	Addition to Intermediate MS & Park Avenue E.S.	2/17/2017	\$13,709,600	\$13,709,600	\$0
Freehold Borough	Monmouth	Freehold Learning	Addition to Freehold Learning Center	2/17/2017	\$11,936,250	\$11,936,250	\$0
Lopatcong Township	Warren	Lopatcong E.S.	Window and Door Replacement	12/29/2016	\$631,907	\$252,763	\$379,144
Lower Alloways Creek Township	Salem	Lower Alloways Creek E.S.	roof replacement	11/4/2016	\$275,500	\$110,200	\$165,300
Madison	Morris	Madison Jr.	Partial roof replacement	2/2/2017	\$1,016,000	\$406,400	\$609,600
Madison	Morris	Madison Jr.	Boiler replacement	2/2/2017	\$239,800	\$95,920	\$143,880
Madison	Morris	Madison H.S.	partial roof replacement	2/2/2017	\$3,229,275	\$1,291,710	\$1,937,565
Monmouth County Vocational School District	Monmouth	Monmouth Co. Voc.-Tech. H.S.-Culinary Education	Removal of 2,800 SF of asbestos floor tile in the Cosmetology Lab and replacement with chemical resistant quartz vinyl floor tiles	10/20/2016	\$32,775	\$13,110	\$19,665
Monmouth County Vocational School District	Monmouth	Monmouth Co. Voc.-Tech. H.S.-Culinary Education	Removal of 2,800 SF of asbestos floor tile in the Dental Lab and replacement with chemical resistant quartz vinyl floor tiles	10/20/2016	\$30,188	\$12,075	\$18,113
Monroe Township - Gloucester	Gloucester	Williamstown H.S.	Window replacement	11/4/2016	\$831,600	\$452,333	\$379,267
Pequannock Township	Morris	Hillview E.S.	Exterior Closure, Electrical, Communications, Safety	1/26/2017	\$1,272,200	\$508,880	\$763,320
Pequannock Township	Morris	Pequannock Township H.S.	Exterior Closure, Electrical, Communications, Safety	1/26/2017	\$1,134,250	\$453,700	\$680,550
Pequannock Township	Morris	Pequannock Valley M.S.	Exterior Closure, Electrical, Communications, Safety	1/26/2017	\$1,437,013	\$574,805	\$862,208
Pequannock Township	Morris	Stephen J. Gerace E.S.	Exterior Closure, Electrical, Communications, Safety	1/23/2017	\$1,208,482	\$483,393	\$725,089
Pequannock Township	Morris	North Boulevard E.S.	Exterior Closure, Electrical, Communications, Safety	1/26/2017	\$789,919	\$315,968	\$473,951
Southampton Township	Burlington	Southampton Twp. School No. 2	Addition of Air Conditioning	11/4/2016	\$2,505,000	\$1,002,000	\$1,503,000
Southampton Township	Burlington	Southampton Twp. School No. 1	Addition of air conditioning	11/4/2016	\$2,030,000	\$812,000	\$1,218,000
Southampton Township	Burlington	Southampton Twp. School No. 1	Roof replacement	11/4/2016	\$673,517	\$269,407	\$404,110
Southampton Township	Burlington	Southampton Twp School No. 3	Security enhancements (-) installation of intruder doors and frames in corridors	11/4/2016	\$46,588	\$18,635	\$27,953
Southampton Township	Burlington	Southampton Twp. School No. 2	Security enhancements (-) installation of intruder doors and frames in corridors	11/4/2016	\$131,763	\$52,705	\$79,058
Southampton Township	Burlington	Southampton Twp School No. 3	Addition of Air Conditioning	11/4/2016	\$3,000,000	\$1,200,000	\$1,800,000
Sussex County Vocational School District	Sussex	Sussex County Tech V.S.	Welding shop renovations	10/20/2016	\$610,000	\$244,000	\$366,000
Sussex County Vocational School District	Sussex	Sussex County Tech V.S.	Roof replacement at main bldg	10/20/2016	\$1,830,000	\$732,000	\$1,098,000
Woodbine	Cape May	Woodbine E.S.	Replace interior doors and hardware. Replace unit ventilators. Replace exhaust fans. Replace existing casework.	11/4/2016	\$2,355,907	\$1,400,031	\$955,876
Total - 38 Projects					\$59,987,430	\$39,470,538	\$20,516,892

Appendix E - School Facilities Projects Approved by DOE

From October 1, 2016 through March 31, 2017, the New Jersey Department of Education approved three school facilities projects which were then undertaken and funded by the SDA. None of these projects exceeded the Facilities Efficiencies Standards (FES).

School Facilities Projects Approved by DOE				
October 1, 2016 – March 31, 2017				
	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	123	26	0	0.0%
SDA Districts	3	2	0	0.0%
RODs	120	24	0	0.0%

* No school facilities exceeded the Facilities Efficiency Standards during this period.

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

Appendix F - 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 2015 - March 2015)	Philadelphia	\$295	-	-
	New York	\$306	-	-
School Planning & Management by Region 2 State Average ¹ (January - December 2016)	NY, NJ, PA Average	-	-	-
New York City School Construction Authority[^] (July 2015 - June 2016)	New York City	\$657	\$573	-
SDA Managed Projects (4th QTR 2016 and 1st QTR 2017 Actual)	Statewide	\$301	-	-
<i>The table represents a statistical cross-section of data from numerous sources with report dates ranging from July 2013 to March 2017. Costs are at time of bid.</i> <i>1 – There is no current reporting for Region 2 (for NJ, NY and PA only) as reported by School Planning & Management.</i> <i>[^]Numbers reflect the New York City Mayor's Management Report Dated September 2016 for Fiscal Year 2016. Construction bid price for school capacity projects per square foot.</i> <i>*Cost at Bid for 2 New SDA District Projects (Harrison – New E.S., Irvington – New Madison Avenue E.S.) 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 Costs Per Square Foot).</i>				

The table above provides a comparison of cost per square-foot for new school construction (public schools) in both the Philadelphia and New York City Metropolitan Statistical Comparison (MSAs). This addresses the August 2007 statutory requirement that costs of school facilities projects undertaken and funded by the SDA be compared to similar school facilities projects constructed in the New York City and Philadelphia MSAs. Information from the New York City School Construction Authority is also included. The use of multiple sources to monitor and analyze construction costs provides assurance that industry-wide pricing trends are addressed.

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