



2017 Biannual Report

Reporting Period of

April 1, 2017—September 30, 2017



STATE OF NEW JERSEY

SCHOOLS DEVELOPMENT AUTHORITY

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 main mission of the NJSDA is to build and renovate schools and we have been hard at work gaining great results in that pursuit. This reporting period saw ribbons cut to mark the opening of brand new facilities in Elizabeth, Gloucester City and Jersey City. We also renovated and put an addition on the Quarter Mile Lane Elementary School in Bridgeton and renovated the Harry L. Bain School in West New York. SDA received transmittal of 15 emergent projects from the New Jersey Department of Education for advancement and scope development has begun. Finally, grants permitting work on projects across the state were also processed. In all, the SDA delivered over 3,000 new seats in SDA districts and upgraded facilities that impacted many more children in a positive manner.

While we completed schools, there are many that are works in progress and some are just beginning. Trenton Central High School continues to show real progress and the community now anxiously awaits its completion. New elementary schools in Garfield, Passaic City, Newark and Vineland are moving toward completion. New schools in Garfield, Passaic City, Newark and Vineland are moving toward completion. Planning work is ongoing for new Camden and Perth Amboy High schools. Ground was broken to mark the start of construction on the \$38.6 million Madison Avenue Elementary School in Irvington. The addition-renovation to Orange Cleveland Elementary School and renovation of Orange High School continues in the final planning stages. Work on the James Madison Elementary School No. 10 in Garfield and Paul Robeson Elementary School in New Brunswick continues at a rapid pace. In all, while we have delivered schools this year, we continue to work hard to deliver schools next September as well.

While we build schools, we also build relationships with the business community. SDA's commitment to small, minority and women-owned businesses goes beyond talk. Our SWMBE training program completed its eighth program this May. The eight week course offers these businesses training in a host of small business areas with an emphasis on doing business with the State in general and SDA in particular. The course is offered in both Trenton and Newark and we continue to receive good feedback from the participants.

Finally, these last four years at the SDA have been personally rewarding for me for me. To be able to lead a group of dedicated individuals tasked with such a vital mission has been an exceptional journey. For someone who started my career as a janitor in the New York City school system, to be able to have been involved in the construction and renovation of much needed educational facilities has brought me full circle and has been professionally rewarding.

A LEADER IN SCHOOL CONSTRUCTION

SDA’s Capital Program includes dozens of projects in the State’s 31 SDA Districts that address some of the most critical educational needs across the state. Through the construction of new schools, additions, and major renovation projects, the SDA delivers efficiently designed facilities that provide local school districts with the enhanced academic environments they need to support their educational programs.



In 2017, SDA continued to improve educational facilities for thousands of students statewide with the opening of five new or renovated schools. These new and renovated facilities provide more than 3,100 additional seats for students throughout New Jersey and impact nearly 4,200 students overall.



The design of all of the new schools and additions that opened in 2017 incorporated the guidelines developed by the United States Green Building Council (USGBC) known as the "Leadership in Energy & Environmental Design ("LEED®") program in order to achieve maximum energy efficiency and environmental sustainability.

As students throughout the state arrived at their new facilities, they entered modern, inspiring educational spaces equipped with the tools needed to learn and succeed.

NJSDA 2017 School Openings				
School District	School Name	Project Type	Delivery Type	Cost
Bridgeton	Quarter Mile Lane E.S.	Addition/Renovation	Design-Build	\$ 39 M
Elizabeth	Halloran E.S.	New School	Design- Build	\$ 55.3 M
Gloucester City	Gloucester City Middle School	New School	Design-Build	\$ 65.3 M
Jersey City	Patricia M. Noonan E.S.	New School	Design- Build	\$ 54 M
West New York	Harry L. Bain E.S.	Renovation	Design-Bid-Build	\$ 16.8 M

To provide a closer look at the schools opened by SDA during this reporting period, we have included the following individual school profiles.

QUARTER MILE LANE ELEMENTARY SCHOOL



DESCRIPTION

Through design-build delivery, the addition and renovation project to the existing Quarter Mile Lane School increased the capacity of the existing school from 254 students in grades kindergarten through eight to approximately 730 students in grades pre-kindergarten through eight. The addition included a new gymnasium, multi-purpose room, cafeteria and classrooms. Renovations included conversion of the existing cafeteria to a media center and classroom improvements.

PROJECT TYPE

Addition/Renovation

DELIVERY TYPE

Design-Build

SCHOOL DISTRICT

Bridgeton

MAXIMUM CAPACITY

795

CONSTRUCTION CONTRACT

\$29.2 M

TOTAL STATE INVESTMENT

\$39 M

OCCUPANCY

September 2017

ARCHITECT

DMR Architects, PC

CONSTRUCTION MANAGER

STV Construction, Inc.

GENERAL CONTRACTOR

**Ernest Bock and Sons,
Inc.**



STATE OF NEW JERSEY

SCHOOLS DEVELOPMENT AUTHORITY

WILLIAM F. HALLORAN ELEMENTARY SCHOOL NO. 22



DESCRIPTION

A new 140,000 square-foot, four-story school for students in grades two through eight, the school includes 34 general use classrooms, three self-contained special education classrooms, six science demonstration rooms and/or labs, a gymnasium, a cafeteria, a multi-purpose room with stage and a media center.

PROJECT TYPE

New School

DELIVERY TYPE

Design-Build

SCHOOL DISTRICT

Elizabeth

MAXIMUM CAPACITY

990

CONSTRUCTION CONTRACT

\$44.5 M

TOTAL STATE INVESTMENT

\$55.3 M

OCCUPANCY

September 2017

ARCHITECT

USA Architects

CONSTRUCTION MANAGER

EPIC Management, Inc.

GENERAL CONTRACTOR

Torcon



STATE OF NEW JERSEY

SCHOOLS DEVELOPMENT AUTHORITY

GLOUCESTER CITY ELEMENTARY SCHOOL/MIDDLE SCHOOL



DESCRIPTION

A new 122,000 square-foot school for students in grades four through eight, the school includes 27 general classrooms, eight special education classrooms, three science classrooms, a cafetorium with stage, gymnasium, media center, computer lab and administrative offices.

PROJECT TYPE

New School

DELIVERY TYPE

Design - Build

SCHOOL DISTRICT

Gloucester City

MAXIMUM CAPACITY

760

CONSTRUCTION CONTRACT

\$42 M

TOTAL STATE INVESTMENT

\$65.3 M

OCCUPANCY

September 2017

ARCHITECT

**Manders Merighi
Portadin Farrell
Architects, LLC**

CONSTRUCTION MANAGER

**GREYHAWK North
America, LLC**

GENERAL CONTRACTOR

**Terminal Construction
Corporation**



STATE OF NEW JERSEY

SCHOOLS DEVELOPMENT AUTHORITY

PATRICIA M. NOONAN ELEMENTARY SCHOOL



DESCRIPTION

A new 123,000 square-foot school for students in grades pre-kindergarten through five, the school includes 30 general education classrooms, 10 pre-kindergarten classrooms, four self-contained special education classrooms, cafeteria, gymnasium, assembly/multi-purpose room and a media center.

PROJECT TYPE

New School

DELIVERY TYPE

Design - Build

SCHOOL DISTRICT

Jersey City

MAXIMUM CAPACITY

770

CONSTRUCTION CONTRACT

\$34.1 M

TOTAL STATE INVESTMENT

\$54 M

OCCUPANCY

April 2017

ARCHITECT

**Rivardo, Schnitzer,
Capazzi, dba RSC
Architects**

CONSTRUCTION MANAGER

Epic Management, Inc.

GENERAL CONTRACTOR

Dobco, Inc.



STATE OF NEW JERSEY

SCHOOLS DEVELOPMENT AUTHORITY

HARRY L. BAIN ELEMENTARY SCHOOL



DESCRIPTION

This project's exterior renovations included removal and replacement of the building façade, brick front and windows, as well as installation of a water-resistant exterior insulation and finish wall system. Interior work included replacement of classroom HVAC units, lighting systems upgrades, ceiling tile replacements in coordination with the HVAC & lighting work, and repairs to water infiltration-damaged spaces.

PROJECT TYPE

Renovation

DELIVERY TYPE

Design-Bid-Build

SCHOOL DISTRICT

West New York

MAXIMUM CAPACITY

814

TOTAL STATE INVESTMENT

\$16.8 M

OCCUPANCY

September 2017

ARCHITECT

USA Architects, Planners + Interior Designers, PA

CONSTRUCTION MANAGER

Pinnacle Consulting & Construction Services, Inc.

GENERAL CONTRACTOR

Paul Otto Building Co., Inc.



STATE OF NEW JERSEY

SCHOOLS DEVELOPMENT AUTHORITY

Schools Taking Shape

The spring and summer are prime construction months, offering mild weather, enabling workers to make significant headway on the construction of new schools. The summer of 2017 was no exception, with bustling activity on SDA school construction sites throughout the state.

In Trenton, steel erection for the new 374,000-square-foot High School quickly took shape, revealing an impressive preview of the new school to come. With more than 200 workers on site daily, activities including steel erection, masonry, electrical and plumbing rough-in were ongoing throughout the reporting period. The school remains on schedule for a 2019 opening.



In Newark, enclosure of the three-story, 103,000-square-foot South Street Elementary School project continued. By the end of the reporting period, work to install the rooftop HVAC, rough electrical and plumbing, roofing, windows and exterior brick was ongoing.

At the Paul Robeson Community Theme School for the Arts in New Brunswick, the 60,000-square-foot, three-story addition was advancing quickly. Masonry, HVAC, electrical and plumbing work was ongoing at the end of the reporting period. Window installation was nearly complete.

Project Progress Milestones

SDA works to engage the community throughout the many phases of school construction. A “beam signing” ceremony marks an exciting milestone and provides an opportunity for the project’s stakeholders to highlight construction progress. As part of a “beam signing,” SDA joins with students and local officials to sign a piece of steel that will become a lasting part of the new building infrastructure. Students, contractors and educators alike literally leave their mark on the new school.





In Passaic City, students were excited as they watched the signed beam hoisted into place atop the new 105,000-square-foot, three-story Leonard Place Elementary School. Scheduled to open to students in September 2018, the new school is designed to educate approximately 700 students in grades kindergarten through fifth and will significantly reduce overcrowding in the district.

The new Lincoln Avenue Middle School in Vineland will be a one-story, approximately 99,000 square foot facility designed to accommodate 620 students in grades six through eight. In May, students and officials signed a piece of steel that was placed within the structure located near the cafeteria.

Breaking Ground

As footings and foundation work commenced, SDA joined local officials in September for a groundbreaking ceremony to celebrate the start of construction for the new \$38.6 million Madison Avenue Elementary School in Irvington. Upon opening in September 2019, the new school will provide approximately 500 students with access to a quality school equipped with the educational tools they need to succeed.



The new school is being built utilizing a design-build approach. This delivery method allows the SDA to utilize a single contract for both design and construction services - allowing for simplified project coordination and communication.

Paving the Way for New Schools

Committed to delivering projects on time and on budget, the SDA utilizes an approach to project delivery that maximizes predictable project outcomes during construction of a school, SDA frequently utilizes Early Site Preparation activities in order to deliver a site sufficiently cleared of any conditions that

require remediation prior to new school construction. In so doing, we prevent costly delay to address such a condition if it were encountered during construction.

The SDA has experienced significant success with the separation of demolition and site remediation from new school construction. This effort continued throughout the reporting period with projects in Camden, Paterson and Pemberton. The new Camden High School, Paterson Middle School and Pemberton Crichton Elementary School projects all require abatement and demolition of existing structures. During the reporting period, SDA issued Notices to Proceed with abatement and site clearing activities for each of these projects.

Capital Portfolio Project Advancement

The Authority continuously works to provide a better learning environment for thousands of children throughout the State of New Jersey. In so doing, the Authority serves both the students of today and the many students in years to come. With eight projects in active construction at the end of the reporting period and many more in various stages of advancement, the work of the SDA is helping to strengthen communities. The eight projects in construction, representing \$500 million in total costs, will address capacity and facility efficiency standards compliance needs that exist in these school districts.

Capital Portfolio Overview					
Projects in Construction as of September 30, 2017					
District	Project Name	Project Type	Anticipated School Opening	Total Estimated Project Cost	Max Student Capacity
Garfield	James Madison Elementary School	New School	September 2018	\$29.7 Million	305
Irvington	Madison Avenue Elementary School	New School	September 2019	\$35.4 Million	504
New Brunswick	Paul Robeson Elementary School	Addition/ Renovation	September 2018	\$47.1 Million	893
Newark	South Street Elementary School	New School	September 2018	\$69.9 Million	657
Passaic City	Leonard Place Elementary School	New School	September 2018	\$55.9 Million	698
Perth Amboy	Seaman Avenue Elementary School	New School	September 2019	\$56.8 Million	804
Vineland	Lincoln Avenue Middle School	New School	September 2018	\$49.8 Million	624
Trenton	Trenton Central High School	New School	September 2019	\$155.4 Million	2,176
8 Schools in Construction:				\$500 Million	6,661

The status of the SDA's current Capital Portfolio at the end of the reporting period was:

- 18 projects complete;
- 8 projects in active building construction;
- 3 projects initiated into the design phase of the design-build contract;
- 2 projects in design-build procurement;
- 7 projects in design development (SDA Design Studio/Bridging architect); and
- 2 projects in planning and scope development.

Noteworthy advancements on projects during the reporting period include:

Design-Build Projects Notices to Proceed (NTP) Issued

- The New **George Washington Carver Elementary School** in East Orange (Essex County). SDA issued a NTP for design in July for this new 71,300 square-foot school facility designed to educate approximately 463 students in grades Pre-K through five.
- The New **Madison Avenue Elementary School** in Irvington (Essex County). SDA issued a NTP for footings and foundations in June for this new 70,500 square-foot school facility designed to educate approximately 460 students in grades Pre-K through five.

Early Site Preparation Notices to Proceed Issued

- In June, the Authority issued a NTP for early site preparation activities associated with the new **Union Avenue Middle School** in Paterson (Passaic County).
- SDA issued a NTP in June for early site preparation activities associated with the new **Crichton Elementary School** in Pemberton (Burlington County).
- In June, SDA issued a NTP for early site preparation activities associated with the new **Cleveland Elementary School** in Orange (Essex County).

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

Additional Emergent Projects Approved

The SDA's Emergent Project Program addresses emergent conditions in SDA District facilities in order to alleviate conditions that could potentially affect the health and safety of students or staff if not remedied. The SDA and DOE recently made outreach to the SDA Districts to solicit requests for potential "emergent" conditions, as defined by statute, for consideration. The primary focus of this most recent effort was to address water infiltration issues. These conditions can be severely damaging to buildings, with intensified consequences throughout a school if left unaddressed. Other conditions

included in this most recent effort are existing mechanical system failures, structural issues, and fire and life-safety issues.

In June 2017, DOE and SDA provided project determination letters to the applicant districts, notifying them of their condition(s) assessment. The review resulted in DOE approval of 15 emergent conditions as potential emergent projects. These projects all address the repair or replacement of existing systems that are failing or are anticipated to fail and can no longer be addressed through general maintenance.

The approved projects have a preliminary cost estimate of nearly \$16 million. The SDA currently has funds remaining in the emergent reserve balance for future projects that are approved by DOE and transmitted to the SDA.

2017 Approved Emergent Projects		
District	School Name	Project Scope
Bridgeton	Bridgeton High School	Building Envelope - Roof and Masonry
Camden	Forest Hill Elementary School	HVAC
Newark	Malcolm X Shabazz High School	Structural
Newark	Technology High School	Structural
Newark	Luis Munoz Marin School	HVAC
Newark	Cleveland Street School	Structural
Newark	Dr. E. Alma Flagg School	Building Envelope - Roof and Exterior Doors
Newark	Harriet Tubman School	Water Infiltration
Newark	Hawkins Street School	Structural
Newark	Ivy Hill School	Structural
Newark	Lafayette Street School	Building Envelope - Roof and Exterior Doors
Newark	Roberto Clemente School	Structural
Newark	Wilson Avenue School	Structural
Plainfield	Plainfield High School	Structural
Plainfield	Plainfield High School	Structural - Exterior Stairs

For Districts in which their project applications were deemed incomplete or in which a dispute exists, the District may send in additional documentation in an effort to support their position for consideration as an emergent project.

The SDA manages many identified emergent projects, while others are delegated for District management. Currently, the SDA is managing 21 emergent projects with two in construction, four in the design phase and another 15 in scope development.

Local school districts also continued working on another 10 projects that previously were delegated to the Districts for management. This includes four projects in construction and six in design at schools in two SDA Districts.

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

Grants

SDA's Regular Operating District (ROD) Grant program funds at least 40 percent of eligible costs for approved projects in New Jersey's ROD districts, addressing health and safety issues, and other critical needs. Of the \$3.45 billion in authorized funding for the ROD Grant program, \$2.7 billion has been expended to date. At this time, all funding for ROD facility projects is committed.

With an active portfolio of more than \$436 million in state share, the SDA's ROD Grant program continues to have a positive impact on school districts across the State. During the reporting period, the SDA executed 23 grants for projects in nine school districts. These projects represent more than \$9 million in state funding and nearly \$19 million in total project costs.

SDA ROD Grants executed during this reporting period include the following projects:

- Black Horse Pike Regional School District - Timber Creek Regional High School (Camden County): Security Upgrades. State share: \$290,495; Estimated total project costs: \$507,651.
- Central Regional School District – Central Regional High School (Ocean County): Partial Window Replacements. State share \$ 64,725.20; Estimated total project costs: \$ 161,813.
- Hasbrouck Heights School District - Hasbrouck Heights High School (Bergen County): Mechanical Upgrades. State share: \$ 1,510,659; Estimated total project costs: \$ 3,776,647.
- North Bergen School District – Robert Fulton No. 2 Elementary School (Hudson County): Complete window replacement, exterior door replacement. State share: \$1,387,825; Estimated total project costs: \$ 2,510,379.
- Swedesboro-Woolwich School District - Walter H. Hill Elementary School (Gloucester County): Roof replacement. State share: \$ 350,710; Estimated total project costs: \$722,906.

For a complete listing of grant projects executed during the reporting period, please see Appendix D.

ASSISTING BUSINESSES

Successful SMWBE Training Program Continues

The SDA is steadfast in its commitment to increasing the active involvement of small, minority and women-owned business enterprises in the State's school construction program. In order to increase involvement, the bidding pool of prequalified contractors/subcontractors needs to grow. In May 2017, the SDA concluded its eighth offering of the annual Small Minority and Women-owned Business Enterprise (SMWBE) Contractor Training Program in an effort to achieve this goal.



Designed to help prepare SMWBE firms to work with the SDA and the State of New Jersey, the training program's instructors are SDA staff and other state employee experts who offer their inside industry knowledge and "know-how" to participants. Graduating firms leave the program with information that will help them find, bid on and potentially be awarded SDA and New Jersey contracts.

Firms participating in this year's program represented a variety of trades including general construction, masonry, electrical, flooring, HVAC-R, site work, plumbing, roofing, painting and environmental services, among others.

This year's program, which offered eight weeks of instructional classes followed by a graduation/networking event, commenced in March 2017 with classes held at locations in both Trenton and Newark. The program provided participants with information on business planning, marketing services, finding the work, prequalification, estimating and budgeting, procurement, prevailing wage and finding the funding.

Participants consistently express overwhelming satisfaction and appreciation for the program. A few of the evaluation comments included:

- “Classes were extremely interactive and fun. It contributed to a greater understanding of the subject matter.”
- “The instructors are very clear when identifying key course concepts.”
- “Participants get to learn more from their fellow small business owners and the instructors are always willing to give you their best professional insight.”

The SDA’s SMWBE Contractor Training Program continues to be a valued resource to New Jersey’s small businesses interested in growing their companies and potentially working with the State. SDA plans to offer another program in 2018.

SDA Benefits Small Business Enterprises

The SDA’s Small Business Enterprise (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 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 represented in the 50.93% total achieved during this reporting period.

SDA Contract Awards to Small Business Enterprises (April 1, 2017 – September 30, 2017)	
Total SDA Construction Contracts	\$60,871,654
Total SBE Contracts (inclusive of MBE, SMWBE contracts)	\$31,004,396
Percentage of SDA Contracts Awarded to SBEs	50.93 %

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 school facilities project construction contracts entered into by the Authority during the reporting period.

During the reporting period, SBE/women-owned businesses were awarded \$8,264,510 or 13.58% of SDA total construction contracts awarded. There were no contracts awarded to SBE/minority-owned businesses during the reporting period.

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 through the end of the reporting period, the amount of bonds issued to fund the program equals \$10.45 billion, including \$2.31 billion since 2010.

As of September 30, 2017, SDA had approximately \$270 million in cash on hand, having disbursed \$191 million during the reporting period. In May 2017, the SDA Board approved the Authority's 2016 financial statements, audited by Ernst & Young LLP. They can be found on the SDA's website at: https://www.njsda.gov/SDA/Content/public/reports/SDA_Financial_Statement_16.pdf.

The SDA strives to safeguard the resources that have been allocated to the school construction program. Toward that goal, SDA pursues cost recovery opportunities when warranted and appropriate. During the reporting period, SDA reached settlement in one cost recovery matter.

- In April, SDA received a net settlement of \$275,000 for the Egg Harbor Township HS project.

In addition, between April 1, 2017 and September 30, 2017, the SDA resolved \$7,221,050 in contract claims for a total settlement amount of \$1,059,636. These settlements equal roughly 14% of the original amounts claimed and represent a significant cost avoidance.

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 - Cost of Construction Per Square Foot Comparison to MSA

(Note: Information regarding school facilities projects approved by the New Jersey Department of Education to be undertaken and funded by the SDA was not available at the time of publication)

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

Construction Contracts: Number of Minority/Female Work Hours by Trade (April 1, 2017 - September 30, 2017)					
Trade	Total Work Hours	Minority Work Hours	Minority Work Hours %	Female Work Hours	Female Work Hours %
Asbestos Removal/Treatment	1,816	1,752	96.48%	40	2.20%
Carpentry	49,775	12,902	25.92%	226	0.45%
Caulking & Waterproofing	729	371	50.89%	0	0.00%
Demolition	97	0	0.00%	0	0.00%
Dynamic Compaction	442	0	0.00%	0	0.00%
Electrician	20,606	3,013	14.62%	790	3.83%
Fireproofing Applications	2,422	64	2.64%	0	0.00%
Flooring/Tile Installation	2,212	398	17.99%	0	0.00%
Glazier	7,417	2,502	33.73%	0	0.00%
HVACR	6,610	440	6.66%	0	0.00%
Insulation - All	3,918	969	24.73%	24	0.61%
Iron Erector	25,847	5,535	21.41%	0	0.00%
Laborer	89,720	40,562	45.21%	740	0.82%
Masonry/Bricklayer	100,552	29,764	29.60%	877	0.87%
Operating Engineer	2,545	43	1.69%	0	0.00%
Painting - General	4,293	1,302	30.33%	0	0.00%
Pipefitter	480	0	0.00%	0	0.00%
Plumber	12,745	1,947	15.28%	0	0.00%
Pre-cast Concrete	7,810	355	4.55%	584	7.48%
Roofing - All	14,719	3,196	21.71%	297	2.02%
Scaffolding	224	0	0.00%	0	0.00%
Security/Intrusion Alarms	846	0	0.00%	0	0.00%
Sheet Metal Laborer	15,007	1,448	9.65%	247	1.65%
Site Work	8,060	937	11.63%	128	1.59%
Soil Removal	14,532	2,523	17.36%	0	0.00%
Sprinkler Fitter	2,069	457	22.09%	0	0.00%
Steam Fitter	4,402	558	12.68%	0	0.00%
Surveyor	436	0	0.00%	0	0.00%
Trucker	25	0	0.00%	0	0.00%
Underground Water & Utilities	46,511	8,599	18.49%	321	0.69%
Total :	446,867	119,637	26.77%	4,274	0.96%

Appendix B - Status of Capital Portfolio Projects

Portfolio of Capital Projects

(as of September 30, 2017)

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	Elizabeth High School - Frank J. Cicarell Academy	Completed. School opened to students in September 2016
Elizabeth	New ES @ Halloran PS #22 ES site	Completed School opened to students in September 2017
Gloucester City	Gloucester City Middle School	Construction
Jersey City	PS 20 Elementary School	Completed. School opened to students in September 2016
Jersey City	Patricia M. Noonan ES (ES 3)	Completed. School opened to students in September 2017
Keansburg	Joseph C. Caruso Elementary School	Completed. School opened to students in September 2016
Long Branch	George A. Catrambone Elementary School (Elberon)	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. 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
		18
Garfield	James Madison 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
		8
East Orange	George Washington Carver Elementary School	Design-Build contract awarded. Design-build activities and early site work ongoing.
Harrison	New ES	Design-Build contract awarded, Design-Build activities ongoing
Millville	Senior High School Addition/Renovation	Design-Build contract awarded, Design-Build activities ongoing
		3
Passaic City	Dayton Avenue Elementary School Campus	Design-Build Procurement in progress
Pemberton	Alexander Denbo Elementary School	Design-Build Procurement in progress. Early Site Work ongoing
		2
Camden	Camden High School	In Design Development (SDA Design Studio), Early Site work contract awarded
Keansburg	Port Monmouth Road School	In Design Development
Orange	Cleveland Street Elementary School	In Design Development
Orange	High School	In Design Development
Paterson	New MS @ Union Avenue	In Design Development (SDA Design Studio)
Perth Amboy	Perth Amboy High School	In Design Development (SDA Design Studio)
Plainfield	New Woodland Elementary School	In Design Development (SDA Design Studio)
		7
Hoboken	Thomas G. Connors Elementary School	Scope development with DOE and District
Union City	Elementary School Grade Level	Scope development with DOE and District
		2

Appendix C - Status of Emergent Project Program

Emergent Project Program Status as of September 30, 2017

SDA Managed Emergent Projects

Scope Development

<u>District</u>	<u>School Name</u>	<u>Project Scope</u>
Bridgeton	Bridgeton High School	Building Envelope - Roof and Masonry
Camden	Forest Hill Elementary School	HVAC
Newark	Malcolm X Shabazz High School	Structural
Newark	Technology High School	Structural
Newark	Luis Munoz Marin School	HVAC
Newark	Cleveland Street School	Structural
Newark	Dr. E. Alma Flagg School	Building Envelope - Roof and Exterior Doors
Newark	Harriet Tubman School	Water Infiltration
Newark	Hawkins Street School	Structural
Newark	Ivy Hill School	Structural
Newark	Lafayette Street School	Building Envelope - Roof and Exterior Doors
Newark	Roberto Clemente School	Structural
Newark	Wilson Avenue School	Structural
Plainfield	Plainfield High School	Structural
Plainfield	Plainfield High School	Structural - Exterior Stairs

Design

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

Construction

<u>District</u>	<u>School Name</u>	<u>Project Scope</u>
Camden	Cramer Elementary School	Structural
Salem City	Salem Middle School	Structural

Appendix D – ROD Grant Projects Executed During Reporting Period (April 1, 2017 – September 30, 2017)

District	School Name	Total Project Cost	State Share	Local Share	Execution Date
Black Horse Pike Regional	Timber Creek Regional H.S.	\$507,651.00	\$290,495.00	\$217,156.00	9/7/2017
Central Regional	Central Regional H.S.	\$161,813.00	\$64,725.20	\$97,087.80	7/6/2017
Hasbrouck Heights	Hasbrouck Heights H.S.	\$3,776,647.00	\$1,510,659.00	\$2,265,988.00	6/22/2017
Hasbrouck Heights	Euclid E.S.	\$866,128.00	\$346,451.00	\$519,677.00	6/22/2017
Hasbrouck Heights	Lincoln E.S.	\$1,180,981.00	\$472,392.00	\$708,589.00	6/22/2017
Howell Township	Ardena E.S.	\$247,250.00	\$98,900.00	\$148,350.00	5/11/2017
Merchantville	Merchantville E.S.	\$502,764.00	\$201,106.00	\$301,658.00	4/13/2017
Merchantville	Merchantville E.S.	\$429,890.00	\$171,956.00	\$257,934.00	4/13/2017
North Bergen	North Bergen H.S.	\$363,314.00	\$210,845.45	\$152,468.55	5/4/2017
North Bergen	Horace Mann No. 9 E.S.	\$2,269,313.00	\$1,254,556.00	\$1,014,757.00	4/6/2017
North Bergen	Robert Fulton No. 2 E.S.	\$2,510,379.00	\$1,387,825.00	\$1,122,554.00	6/2/2017
North Bergen	Franklin No. 3 E.S.	\$104,883.00	\$63,672.00	\$41,211.00	4/6/2017
North Bergen	Horace Mann No. 9 E.S.	\$738,650.00	\$448,418.00	\$290,232.00	4/6/2017
North Bergen	Lincoln No. 5 E.S.	\$507,539.00	\$308,116.00	\$199,423.00	4/6/2017
North Bergen	McKinley No. 10 E.S.	\$1,110,046.00	\$673,885.00	\$436,161.00	4/6/2017
North Bergen	McKinley No. 10 E.S.	\$280,810.00	\$170,474.00	\$110,336.00	4/6/2017
North Bergen	Robert Fulton No. 2 E.S.	\$776,450.00	\$471,366.00	\$305,084.00	4/6/2017
North Bergen	North Bergen H.S.	\$159,540.00	\$96,853.00	\$62,687.00	4/6/2017
Ramsey	Ramsey H.S.	\$725,237.00	\$290,095.00	\$435,142.00	4/13/2017
Ramsey	Eric S. Smith M.S.	\$861,500.00	\$344,600.00	\$516,900.00	4/13/2017
Ramsey	Wesley D. Tisdale E.S.	\$116,200.00	\$46,480.00	\$69,720.00	4/13/2017
Swedesboro-Woolwich	Walter H. Hill E.S.	\$722,906.00	\$350,710.00	\$372,196.00	9/7/2017
Wayne Township	Wayne Hills H.S.	\$180,233.67	\$72,093.47	\$108,140.20	4/6/2017
TOTALS		\$19,100,124.67	\$9,346,673.12	\$9,753,451.55	

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) (April 2017 - September 2017)	Philadelphia	\$262	-	\$350
	New York	\$727	-	\$689
School Planning & Management by Region 2 State Average ¹	NY, NJ, PA Average	-	-	-
New York City School Construction Authority[^] (Dated Sep. 2017 for Fiscal 2017)	New York City	\$732	\$777	\$817
SDA Managed Projects* (Feb. 2017 - Sep. 2017 Actual)	Statewide	\$296	-	\$340

The table represents a statistical cross-section of data from numerous sources with report dates ranging from July 2016 to September 2017. 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.

[^]Numbers 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 (East Orange - New George Washington Carver ES, Millville - Senior High School Addition/Renovation). 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) in both the Philadelphia and New York City Metropolitan Statistical Comparison Areas (MSAs). This addresses the August 2007 statutory requirement that costs 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 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 provided by the New York City Department of Education School Construction Authority.