

# New Jersey Schools Development Authority **Biannual Report**



*For the reporting period of  
April 1, 2020 to September 30, 2020*



# **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 New Jersey 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**

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*Vice President – Program Operations and Strategic Planning*

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*Vice President and Chief Financial Officer*

**Jane F. Kelly**  
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## MESSAGE FROM CEO AND BOARD CHAIRMAN



The New Jersey Schools Development Authority (SDA) is pleased to present our Biannual Report for the period of April 1, 2020 through September 30, 2020. This report is submitted pursuant to the provisions of P.L. 2007, c. 137 and summarizes the progress and accomplishments of New Jersey's school construction program during the six-month reporting period.



Throughout the COVID-19 Pandemic Emergency, Governor Murphy has deemed our work to be essential and charged us with upholding our commitments to our school districts while keeping our staff and construction partners safe. The SDA moved quickly in mid-March to ensure that safety measures at all of our work sites conformed appropriately to the circumstances, including requiring the placement of sufficient hygiene stations, establishing a COVID-19 reporting hotline and advancing construction safety best practices.

There is no higher priority on SDA work sites than that of worker safety. With that as our guiding principle and consistent with the essential nature of SDA work, this Fall we delivered three new facilities and one major addition: the new Sheila Y. Oliver Elementary School in East Orange, the new Denbo-Crichton Elementary School in Pemberton, the new Kennedy Elementary School in Harrison and a major addition to the Senior High School in Millville. These facilities provide approximately 2,700 new student seats and students receive 1:1 technology, an educational necessity now more than ever before as many districts in our State have needed to provide educational instruction through a virtual platform amidst the pandemic.

Our good wishes and support go out to the local officials, district personnel, school districts, students, teachers and families who are faced with important and difficult decisions regarding education, health and safety, and facility use. Through this challenging time, the need for quality school facilities and the most up to date technology throughout the state is paramount. These new school facilities will help to support the education of thousands of children during these extraordinary times and for generations to come.

SDA remains focused on delivering the remaining 11 projects in our approved and funded capital program by 2025 along with more than a dozen critical Emergent Projects. Other important facilities programs include the Statewide Mercury Flooring Initiative and Alyssa’s Law Compliance with required school security measures, launched safely and carefully in the midst of the COVID-19 crisis. At the same time, SDA continues to close-out hundreds of grants to the Regular Operating Districts – disbursing millions of dollars to local communities.

SDA’s work is far from complete and while great needs still remain, we will continue to ensure that construction of school facilities advances safely through this pandemic and beyond, while making certain that we do not falter in delivering on our state’s unprecedented commitment to providing the facilities needed for the students of New Jersey.

The SDA remains a model of efficiency in the delivery of school facilities projects; consistently delivering projects that are on time and on budget to address student overcrowding issues and remediate dilapidated building conditions. The hardworking SDA staff and our contracted partners stand ready to continue this important work to improve the educational facilities for the students of New Jersey.

# IMPROVING NEW JERSEY'S EDUCATIONAL FACILITIES

## Fall School Deliveries

This fall, the SDA continued to deliver on its commitment to provide high-quality educational facilities that best meet the needs of the students of the State of New Jersey with the completion of three new schools and a significant phase for one major addition/renovation. While in typical years, SDA would commemorate the turnover of facilities to school districts amidst fanfare, community tours and well-attended ribbon cuttings, this year we celebrated project completions in smaller, socially distanced or virtual celebrations, with the focus on ensuring that educational tools and technology were efficiently deployed to students learning remotely.

The completed school projects represent a total state investment of more than \$177 million. With these projects, NJSDA is delivering more than 352,000 square-feet of new construction and providing approximately 2,700 new student seats. The schools include the Sheila Y. Oliver Academy in East Orange, the Kennedy Elementary School in Harrison, the Denbo-Crichton Elementary School in Pemberton and a major addition to the Millville Senior High School.

**3 New Schools and 1 Major Addition**

**352,000 Square-feet of New Construction**

**2,700 New Seats**

**\$177 Million Invested**

Each of these school facilities is delivered with 1:1 technology, an educational necessity now more than ever before. The technology delivered can include a combination of tablets, chromebooks, desktops or laptops as deemed appropriate within each school district's educational program.

All of the new school facilities incorporate 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 in the design of schools. The schools are all on track to achieve LEED certification, with two of the new schools and the addition expected to achieve LEED Silver certification.

The NJSDA's 2020 school completions are projects delivered using a design-build approach. The design-build method differs from the traditional design-bid-build approach by allowing the SDA to contract with one firm for both design and construction of a school facilities project. The design-build method allows for some design and construction activities to proceed concurrently through phased advancement.

### *Sheila Oliver Academy, East Orange*



Named for New Jersey's Lieutenant Governor, the new Sheila Y. Oliver Academy represents a total state investment of \$41 million, delivers 77,000 square-feet of new construction, and provides approximately 500 new seats for East Orange students in Pre-Kindergarten to fifth grade. The facility was constructed to address Facilities Efficiency Standard (FES) Compliance needs in the East Orange School District.

This new facility was constructed on the site of the former George Washington Carver Institute for Science and Technology. The Sheila Y. Oliver Academy includes 24 general classrooms, two self-contained special education classrooms, a science lab, and a cafeteria, a multi-purpose room with stage, a media center, a music room, an art room, a technology lab and necessary support spaces.

### *Kennedy Elementary School, Harrison*

We know that early childhood education has lasting impacts on student learning. The new Kennedy Elementary School has the inviting educational spaces and the technology needed to support Harrison’s youngest students as they embark on a lifetime of learning.



This facility represents a total state investment of \$36 million, delivers 65,500 square-feet of new construction, and provides approximately 390 new seats for Harrison students in Pre-Kindergarten to first grade. It was constructed to alleviate the overcrowding that existed in the lower grade levels within the Harrison School District.

The Kennedy Elementary School facility includes 20 general classrooms, two self-contained special education classrooms, as well as a cafetorium, gymnasium, outdoor play space and necessary support spaces.

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**“In the words of John F. Kennedy – ‘Children are the world’s most valuable resource and its best hope for the future.’ To the students of the Kennedy Elementary School - As current and future leaders, we look forward to seeing what you will accomplish in the coming years.”**

***-SDA CEO Manuel Da Silva***

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### *Denbo-Crichton Elementary School, Pemberton*

The new Denbo-Crichton Elementary School replaced the former Denbo and Crichton facilities to address overcrowding issues and to deliver spaces that align with New Jersey Department of Education Standards. This facility represents a total state investment of \$58.7 million, delivers more than 126,000 square-feet of new construction, and provides approximately 930 new student seats for Pemberton students.



The Denbo-Crichton school facility includes 47 classrooms (including self-contained special education space) and features a multi-purpose room with a stage, a gymnasium, a science demonstration room, an art room, a technology lab, a vocal music room, and a computer lab. Among the unique features of this school are the natural grass field and planting bed boxes for students to garden.

The project also included demolition of the two outdated school structures on the District-owned site.

***West Addition to the Millville Senior High School, Millville***

When fully completed, the \$137.5 million Millville High School addition/renovation project will provide approximately 230,000 square-feet of additions and more than 55,000 square-feet of renovations that will increase student capacity to accommodate more than 2,000 students in grades nine through 12. In fall 2020, the SDA delivered the first of three additions to the building.

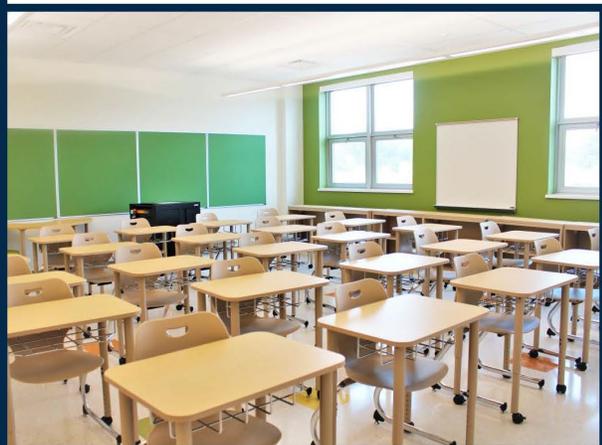


This approximately 90,000 square-foot addition provides 32 classrooms, a cafeteria, faculty dining room, kitchen, two culinary arts labs, eight small group instruction rooms, two self-contained special education classrooms and one life skills classroom.

<b>NJSDA 2020 School Completions</b>				
<b>School District</b>	<b>School Name</b>	<b>Approx. New Seats</b>	<b>Delivery Type</b>	<b>Total Cost</b>
East Orange	Sheila Y. Oliver Academy	500	Design-Build	\$41.2M
Harrison	Kennedy Elementary School	430	Design-Build	\$36 M
Millville	Millville Senior H.S. (West Addition)	800	Design-Build	\$41.9 M
Pemberton	Denbo-Crichton Elementary School	930	Design-Build	\$58.7 M

# Sheila Y. Oliver Academy

EAST ORANGE



# Kennedy Elementary School

HARRISON



# Millville Senior High School Addition/Renovation



# Denbo-Crichton Elementary School

PEMBERTON



## Steady Construction Activities Continue Across the State

At the end of the reporting period, eight projects from SDA’s Capital Plan portfolio were in active construction, representing a state investment of nearly \$1 Billion. Once complete, these eight school facility projects will provide nearly 10,000 new student seats in New Jersey’s SDA Districts. Three of these schools are on schedule to open to students in September 2021. This includes the new Camden High School, the addition phase of the addition/renovation to Orange High School and the Union Avenue Middle School in Paterson.



*From Left to Right: Camden High School, Orange High School, Paterson Union Avenue Middle School*

The highly anticipated Camden High School made significant progress during this reporting period. With the building enclosed, the design-builder continued with interior mechanical, electrical and plumbing rough-in work. Exterior brick veneer work also continued on the building. As the new “Castle on the Hill” rises on the site, the community can continue to see the realization of an innovative, first-class educational facility that pays homage to the former building.

With the first new addition at the Millville Senior High School complete, the SDA has commenced with the next phase of the project which includes construction of a new two-story addition on the north side of the building that will house the new gymnasium, locker rooms, weight room, classrooms and science laboratories. This addition is anticipated for completion prior to the 2021-2022 school year.

During this reporting period, the largest project ever undertaken by the SDA initiated early site construction activities. The new Perth Amboy High School began soil placement activities to ready the site for foundation work. The construction of this highly anticipated school will result in a 576,000-square-foot facility for a maximum of 3,300 students in grades nine through twelve. The new school will occupy 11.63 acres, the former site of the Delaney Homes Public Housing development.

<b>Capital Projects in Construction as of September 30, 2020</b>					
<b>District</b>	<b>Project Name</b>	<b>Project Type</b>	<b>Anticipated School Opening</b>	<b>Total Estimated Project Cost</b>	<b>Max Student Capacity</b>
Camden	Camden H.S.	New School	September 2021	\$132.6 M	1,468
City of Orange	Cleveland Street E.S.	Addition/Renovation	September 2021	\$33.2 M	348
City of Orange	Orange High School	Addition/Renovation	Phased	\$51.9 M	1,694
Keansburg	Port Monmouth Road E.S	Addition/Renovation	September 2022	\$28.4 M	318
Millville	Senior High School	Addition/Renovation	Phased	\$137.5 M	2,384
Passaic City	Dayton Avenue Educational Campus	New School	September 2022	\$209.5 M	3,020
Paterson	Union Avenue M.S.	New School	September 2021	\$113.9 M	1,107
Perth Amboy	Perth Amboy High School	New School	September 2024	\$283.8 M	3,295
<b>8 Schools in Construction:</b>				<b>\$990.8 M</b>	<b>13,634</b>

In addition to the projects in construction highlighted here, activity also continued on the remaining projects in the Capital Portfolio. The new Woodland Avenue Elementary School in Plainfield was in the design phase, nearing the onset of construction activities. Two projects remained in scope development – the A.J. Demarest Elementary School in the City of Hoboken and the new Grade 7-9 School in Union City.

## Emergent Program

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

During the reporting period, SDA staff completed site visits at several school facilities to assess conditions for potential emergent project designation. Emergent determination, scope development and project advancement for these potential new emergent projects is ongoing.

SDA is currently managing 11 emergent projects that represent a more than \$30 million State investment to improve existing building conditions in six SDA Districts. At the close of the reporting period, the status of active SDA-managed emergent projects is as follows:

- 1 project is in construction,
- 9 projects are in design, and
- 1 project is in scope development/design procurement.



Construction activity began on the Bridgeton Senior High School emergent project during the reporting period. This \$9.8 million project will consist primarily of a roof replacement to remedy water infiltration concerns. It includes replacement of 160,000 square feet of roof and minor masonry repairs. This work is anticipated for completion by the start of the 2021 school-year.

SDA is also providing funding for four additional emergent projects delegated for management by local school districts. Two are in the close-out phase and two projects were in construction at the end of the reporting period. For projects that are delegated, the SDA executed 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.

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

## **ROD Grants**

Since the inception of the State's school construction program, the SDA has favorably impacted more than 1,750 school facilities in more than 500 school districts in all 21 counties in New Jersey through the Regular Operating District (ROD) Grant program.

With State investment provided through the SDA, these districts have undertaken projects that include school security upgrades, HVAC repairs, roof replacements, and significant rehabilitation, as well as additions and new schools.

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, \$2.93 billion has been expended to date and the remaining funding is fully committed for approved projects.

During the reporting period, the SDA disbursed 189 payments totaling over \$9.8 million, which included the close out of 64 projects impacting 25 school districts.

The extent of the positive impact of the SDA's ROD Grant program is demonstrated by the SDA's active portfolio of 303 grant projects in 82 school districts throughout the State. At the end of the reporting period, these active projects represent more than \$143 million in state share, generating a total investment of more than \$309 million in project costs supporting education as well as the economy across New Jersey.

## **Flooring Initiative**

As detailed in the previous Biannual Report, the SDA, in consultation with the New Jersey Department of Health (NJDOH), advanced an initiative to identify whether a certain type of flooring that may contain mercury was included in any SDA-delivered

school facilities and to evaluate such floors for the presence of mercury. The flooring types in question are typically poured polyurethane that include rubber-like and water-resistant materials and that utilize phenyl mercuric acetate (PMA) catalysts. These materials were historically installed in school multipurpose rooms, auditoriums, cafeterias and gymnasiums between the 1960s and the early 2000s.

In May 2020, the SDA began to conduct site visits and bulk sample testing of those identified flooring materials in SDA delivered school facilities.

This work was done in accordance with the February 2020 NJDOH published guidance for the evaluation and management of these flooring types.

During the reporting period, the SDA examined the identified floors in SDA-delivered facilities, performed bulk sampling and identified where the performance of air testing was appropriate. Air monitoring activities are ongoing, being performed in coordination with district operational needs. Testing results during the reporting period for the vast majority of schools demonstrated acceptable levels within Department of Health Standards. The SDA will address any needed corrective measures identified upon the conclusion of ongoing testing.

## **Alyssa’s Law**

School Security Grants are available through the New Jersey Department of Education as authorized by the Securing the Children’s Future Bond Act, P.L. 2018 c.119. To be eligible for a school security grant through the Department of Education under the Bond Act, districts must first demonstrate Alyssa’s Law compliance or provide a proposed plan for Alyssa’s Law compliance for each school building in the district. Alyssa’s Law defines a “panic alarm” as a silent security system signal generated by the manual activation of a device intended to signal a life-threatening or emergency situation requiring a response from law enforcement. The law states that each public elementary and secondary school building in New Jersey shall be equipped with at least one panic alarm that is directly linked to local law enforcement authorities. Significant work was done during the

reporting period to advance compliance activities related to Alyssa’s Law, in cooperation with the New Jersey Department of Education.

The SDA is responsible for certifying compliance or proposed compliance for nearly 600 school districts statewide. The compliance applications became available through NJDOE’s EWEG system in April 2020. By the end of the reporting period, the SDA had received more than 500 applications for review.

For a school district to be eligible for a school security grant under the Securing Our Children’s Future Bond Act through the DOE, districts must first demonstrate Alyssa’s Law compliance or provide a proposed plan for Alyssa’s Law compliance for each school building in the district. The DOE opened applications for school security grants in October 2020.

## **Metropolitan Statistical Comparison**

Under the August 2007 statute, SDA is required to compare projects undertaken by the SDA with similar school facilities projects constructed in the New York City and Philadelphia Metropolitan Statistical Comparison areas (MSA).

The SDA did not advertise any Capital Projects during this reporting period and therefore does not have any data to compare to the MSAs. However, for purposes of comparison, the SDA’s cost per square foot for an elementary school project over the previous two reporting periods ranged from \$300 to \$325. During this reporting period, the cost per square foot for a school in the New York City MSA ranged from \$298 to \$489 and in the Philadelphia MSA it ranged from \$396 to \$534. The Data for the New York MSA are inclusive of New York City and its surrounding suburban counties including those north and east of New York City as well as counties in central and northern NJ. The New York City School Construction Authority reported \$817 cost per square foot in the New York City Mayor’s Management Report dated September 2020.

# **BENEFITING NEW JERSEY'S CONSTRUCTION INDUSTRY**

## **Supporting Construction Jobs**

It is important to students, the economy in general and the construction industry that the work of the SDA was deemed essential by Governor Murphy throughout this pandemic. Without the hard working men and women of New Jersey's construction industry, we could not deliver high quality educational facilities for the students and school districts that need these schools. While many New Jerseyans are struggling with the economic challenges created by the COVID-19 health emergency, investing in our schools creates important jobs to keep our construction workers and others working in the industry employed.

For the capital projects in construction at the end of the reporting period, the nearly \$1 billion investment in school facilities represents the creation of more than 8,500 job-years. In addition, the 303 active ROD Grants throughout the State with total project costs of more than \$306 million represent an additional 2,600 job-years created by investing in New Jersey schools.

## **Construction Dollars for Small Businesses and a Diverse Workforce**

The goal of the SDA's Small Business program is to ensure that at least 25 percent of the total dollar value of all publicly advertised contracts awarded by the SDA during a fiscal year goes to these firms. The SDA requires consultants and prime contractors to make good-faith efforts to identify and hire available small business enterprise (SBE) sub-consultants and subcontractors and to award at least 25 percent of the total contract value to them.

Historically, those good faith effort requirements have meant that SDA engagements achieve or exceed the 25 percent goal over the course of the entirety of the engagements

as awarded jobs are fully subcontracted or “bought out.” A review of 2020 as a whole reveals that SDA’s contracted parties have achieved SBE participation of just over 26%.

Specific activity during this reporting period includes SDA-awarded contracts totaling \$14,199,128, with \$2,156,939 or 15.19 percent of the total dollar value awarded so far to Small Business Enterprises (inclusive of MBE and WBE firms). As in prior years and reporting periods, these figures will increase to achieve the 25 percent goal by the end of the project as the prime contractor hires additional subcontractors/subconsultants through the lifecycle of the construction project.

The SDA also biannually compiles information on the number of school construction contracts awarded by the Authority to women, minority, and veteran-owned businesses. 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, WBE/women-owned businesses received \$129,745 or 0.91 percent of total SDA construction contracts awarded.

The SDA also tracks the breakdown of minority/female work hours by trade. During this reporting period, the SDA logged more than 500,000 work-hours across all trades. Of those hours, more than 28 percent were performed by a minority workforce. For a breakdown of the minority/female work hours by trade, please see Appendix B.

## **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 (September 30, 2020), the amount of bonds issued to fund the program is approximately \$11.5 billion. There were no bond issuances during the reporting period. For a listing of bond issuances to date, please see Appendix C.

As of September 30, 2020, SDA had approximately \$347 million in cash on hand, having disbursed over \$159 million during the reporting period. In August 2020, the SDA Board approved the Authority's 2019 financial statements, audited by Ernst & Young LLP. These can be found on the SDA's website at:

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

Between April 1, 2020 and September 30, 2020, the SDA resolved \$4,102,378 in contract claims for a total settlement amount of \$1,500,000. These settlements equal roughly 37% of the original amounts claimed to be paid by the SDA.

# RECOMMENDATIONS FOR CHANGE

## **Ventilation in Schools**

As the current pandemic began in New Jersey and throughout the United States, significant attention was paid to ventilation in school buildings. The SDA reviewed its current Materials and Systems Standards with specific attention to the HVAC standards. Upon this review, we found that the SDA's standards align well with the current Centers for Disease Control and Prevention (CDC) and ASHRAE (originally the American Society of Heating, Refrigerating and Air-Conditioning Engineers) guidance and requirements that were issued as guidance for school ventilation during COVID-19. As a result, it is the recommendation of the SDA that New Jersey School Districts and others building new schools, look to the SDA's standards as a source of best practices.

Even in cases of existing school buildings, Districts can utilize these standards to see if there are ways to improve existing systems to achieve their best air circulation. School districts are responsible for the upkeep and maintenance of the HVAC systems in buildings they own. There may be opportunities to review existing systems, change out filters, or bring in programming professionals to see if there are different settings that can be used on current HVAC systems to better align older buildings with these standards.

## **APPENDIX**

**Appendix A - Status of Emergent Project Program**

**Appendix B - Number of Minority/Female Work-Hours by Trade**

**Appendix C - School Facilities Construction Bonds and Notes**

**Appendix D - School Facilities Projects Approved by DOE**

## Appendix A - Status of Emergent Project Program

<b>SDA-Managed Emergent Projects</b>			
<b>District</b>	<b>School Name</b>	<b>Project Scope</b>	<b>Status</b>
Bridgeton	Bridgeton H.S.	Building Envelope – Roof & Masonry	Construction
Camden	Veteran Memorial School	Ext. Masonry, Windows, Roofing & Site Work	Design
Irvington	Grove Street School	Boiler Replacement and HVAC Repairs	Pre-Design
Newark	Cleveland E.S.	Building Envelope/ Structural	Design
Newark	Harriet Tubman E.S.	Building Envelope- Basement Drainage	Design
Newark	Ivy Hill E.S.	Building Envelope/ Structural	Design
Newark	Malcolm X. Shabazz H.S.	Structural	Design
Newark	Roberto Clemente E.S.	Building Envelope/ Structural	Design
Newark	Technology H.S.	Building Envelope/ Structural	Design
Paterson	PS 5 E.S.	Exterior Masonry & Roofing	Design
Plainfield	Plainfield H.S.	Building Envelope/ Structural	Design

<b>District-Managed Emergent Projects</b>			
<b>District</b>	<b>School Name</b>	<b>Project Scope</b>	<b>Status</b>
Newark	Newark Vocational	Ext. Masonry Repairs & Roof Replacement	Close-out
Newark	Newark Vocational	Window Investigation & Replacement	Close-out
Pleasantville	North Main Street E.S.	HVAC – Boiler & Chiller Replacement	Construction
Trenton	Gregory School	Boiler Installation	Construction

## Appendix B - Number of Minority/Female Work-Hours by Trade

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

(April 1, 2020 through September 30, 2020)

Trade	Total Work-Hours	Minority Work-Hours	Minority Work-Hours Percentage	Female Work-Hours	Female Work-Hours Percentage
Asbestos Removal/Treatment	2,795	1,912	68.41%	248	8.87%
Bricklayer/Mason	99,185	30,079	30.33%	1026	1.03%
Carpenter	45,901	10,547	22.98%	1,374	2.99%
Caulking & Waterproofing	3,450	2,332	67.59%	0	0%
Dockbuilder	450	0	0%	0	0%
Dry Wall	324	86	26.54%	0	0%
Electrician	84,217	16,040	19.05%	2,158	2.56%
Elevator Constructor	286	0	0%	0	0%
Fireproofing Applications	552	136	24.64%	0	0%
Flooring/Tile Installation	4,377	1,274	29.11%	136	3.11%
Glazier	9,024	2,108	23.36%	0	0%
HVACR	8,158	769	9.43%	0	0%
Insulation	9,724	2,422	24.91%	0	0%
Iron Worker	17,272	2,029	11.75%	0	0%
Laborer	87,141	50,887	58.40%	1,238	1.42%
On-site Supervision	1,056	0	0%	0	0%
Operating Engineer	12,129	1,374	11.33%	232	1.91%
Painting – General	2,682	248	9.25%	264	9.84%
Pipefitter	22,386	2,872	12.83%	0	0%
Pipefitter/Service	95	0	0%	0	0%
Plumber	46,459	6,767	14.57%	577	1.24%
Roofer	22,108	7,594	34.35%	447	2.02%
Roofing – All	2,241	759	33.87%	0	0%
Sheet Metal Mechanical	420	32	7.62%	0	0%
Sheet Metal Worker	37,211	7,783	20.92%	1,454	3.91%
Sheetrock Taper	24	24	100%	0	0%
Site Work	15	0	0%	0	0%
Sprinkler Fitter	9,096	2,261	24.86%	328	3.61%
Steam Fitter	99	0	0%	0	0%
Tapers	632	376	59.49%	0	0%
Truck Driver	148	120	81.08%	0	0%
<b>TOTALS</b>	<b>530,017</b>	<b>150,975</b>	<b>28.48%</b>	<b>9,482</b>	<b>1.79%</b>

## Appendix C - School Facilities Construction Bonds and Notes

New Jersey Schools Development Authority EDA School Facilities Construction Bonds and Notes State Fiscal Years 2001–2020					
Fiscal Year	Issue Date	Series	Restricted	Denomination	Principal Amount Issued
2001	04/02/01	A		\$5,000	\$ 500,000,000
<i>Subtotal</i>					\$ 500,000,000
2002	12/28/01	B	QZAB	\$5,000	\$ 8,600,000
<i>Subtotal</i>					\$ 8,600,000
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>					\$ 637,329,000
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>					\$ 1,550,000,000
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>					\$ 1,400,000,000
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>					\$ 1,425,000,000
2007	11/02/06	R		\$5,000	\$ 500,000,000
2007	11/02/06	S		\$5,000	\$ 100,000,000
<i>Subtotal</i>					\$ 600,000,000
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>					\$ 1,250,000,000
2009	01/29/09	Z		\$5,000	\$ 175,000,000
2009	06/18/09	A Notes		\$5,000	\$ 400,000,000
<i>Subtotal</i>					\$ 575,000,000
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>					\$ 703,025,000
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>					\$ 375,000,000
2014	05/06/14	RR		\$5,000	\$ 60,000,000
<i>Subtotal</i>					\$ 60,000,000
2015	10/17/14	UU		\$5,000	\$ 525,000,000
<i>Subtotal</i>					\$ 525,000,000
2016	08/31/15	WW		\$5,000	\$ 500,000,000
<i>Subtotal</i>					\$ 500,000,000
2017	12/08/16	AAA		\$5,000	\$ 342,850,000
<i>Subtotal</i>					\$ 342,850,000
2018	10/05/17	DDD		\$5,000	\$ 350,000,000
<i>Subtotal</i>					\$ 350,000,000
2019	11/28/18	EEE		\$5,000	\$ 350,000,000
<i>Subtotal</i>					\$ 350,000,000
2020	11/19/19	LLL		\$5,000	\$ 350,000,000
<i>Subtotal</i>					\$ 350,000,000
<b>Grand Total</b>					<b>\$11,501,804,000</b>

## Appendix D - School Facilities Projects Approved by DOE

From April 1, 2020 through September 30, 2020, the New Jersey Department of Education approved one school facilities project, which was then undertaken and funded by the SDA. This project did not exceed the Facilities Efficiencies Standards (FES).

<b>School Facilities Projects Approved by DOE</b>				
<b>April 1, 2020 – September 30, 2020</b>				
	<b>Total School Facilities Projects Approved</b>	<b>Required Educational Adequacy/FES Review</b>	<b>Projects Requiring Educational Adequacy/RES Review &amp; Exceeding the FES*</b>	<b>% of Projects Requiring Educational Adequacy/FES Review and Exceeding the FES</b>
<b>All Districts</b>	<b>69</b>	<b>31</b>	<b>0</b>	<b>0</b>
<b>SDA Districts</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RODs</b>	<b>68</b>	<b>31</b>	<b>0</b>	<b>0</b>

*The New Jersey Department of Education approved an additional 210 “Other Capital Projects” which are not eligible to be included in the chart above during the time frame of this report.*

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