Page Last Modified: 05/27/2016

1. **Please enter the name of the person to contact regarding this submission.**

   Ahunna M. Akoma

   1a. **Please enter their phone number for follow up questions.**

   914-763-7080

   1b. **Please enter their e-mail address for follow up contact.**

   aakoma@klschools.org

2. **Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of a Smart Schools Investment Plan.**

   First submission

3. **All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations. Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.**

   By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.

   ☑ District Educational Technology Plan Submitted to SED and Approved

4. **Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.**

   By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

   ☑ Parents
   ☑ Teachers
   ☑ Students
   ☑ Community members

   4a. **If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?**

   ☑ Yes
   ☐ No
   ☐ N/A

5. **Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.**

   ☑ The district developed and the school board approved a preliminary Smart Schools Investment Plan.
   ☑ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
   ☑ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occured as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
   ☑ The district prepared a final plan for school board approval and such plan has been approved by the school board.
   ☑ The final proposed plan that has been submitted has been posted on the district's website.

Page Last Modified: 05/27/2016

5a. **Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.**

KLSD BOE Approved Smart School Investment Plan.pdf

6. **Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.**

3,600

7. **An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.**

☐   The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

8. **Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.**

Partner LEA/District	SED BEDS Code
(No Response)	(No Response)

9. **Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.**

(No Response)

10. **Your district's Smart Schools Bond Act Allocation is:**

$707,779

11. **Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is $0, you will not be required to complete that survey question.**

	Sub-Allocations
School Connectivity	448,352
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	259,277
Totals:	707,629.00

Page Last Modified: 06/15/2016

1. **In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:**
   - **sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or**
   - **is a planned use of a portion of Smart Schools Bond Act funds, or**
   - **is under development through another funding source.**

   Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

   1. Specifically codified in a service contract with a provider, and

   2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

   Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

   We will be increasing our WAN bandwidth from 100 Mbps TLS to 10 Gbps Managed Fiber network. The managed fiber will enable the District to increase its Internet bandwidth to 2 Gbps in the future as needs grow. Our current Internet bandwidth from the ISP to the District and school buildings is 150 Mbps. We are increasing this to 400 Mbps from 150 Mbps on July 1, 2016. This will meet and exceed the required 100 Mbps per 1,000 students.

   In addition, with the planned upgrade of our IP security cameras to higher resolution cameras and high-capacity video servers, the planned 10 Gbps fiber network will enable the movement of memory-intensive high resolution videos.

   1a. **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

   ☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	3,203	320,300	320	150	400	July 1, 2016

3. **Briefly describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.**

   KLSD intends to spend the SSBA funds on the two areas that are in most need of improvement. They are high-speed broadband connectivity of our buildings and high-tech security system. Over the past two years, the District has invested in building a robust wireless infrastructure and increasing students' and teachers' access to desktop and laptop computers, iPads, and other devices. In all schools there are stationary and mobile computer labs, iPad carts, windows-based tablets, interactive whiteboards and other display technologies. Based on these investments and our continuing refresh cycle of computers that are five years old, the most effective way to expend the SSBA fund is in building a broadband infrastructure, through managed fiber for efficient data transmission between buildings.

Page Last Modified: 06/15/2016

4. **Briefly describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?)**

The use of technology will increase student engagement in the learning process and enhance their ability to select appropriate technology to support learning,critically analyze and apply information, integrate content material, master fundamental skills and core curricula, and solve real-life problems. This will prepare students to be productive citizens in a global society in the 21st century.

Learning is a process that includes the students, the family, the community and the school. With the use of telecommunication and network services, students and their families will gain access to school resources. It is the District's goal to incorporate evolving technology systems and practices to support teaching and learning, and communication within the community.

With teaching and learning becoming increasingly dependent on Internet and technology resources, it is our aim to provide a technology infrastructure that is predictable in its reliability, with maximum uptime, so that teachers and students have ubiquitous access to tools that enhance instructional delivery and student engagement, online learning, formative assessments, Response to Intervention (RTI) and data-driven instruction. Areas of focus are to:

• Increase students' and teachers' access to computers/devices, interactive projectors and presentation software, learning management systems and provide training on integration with curriculum

• Expand and support programs or apps that will increase seamless interaction and allow increased communication, immediate feedback between teachers and students and collaboration among students, such as Microsoft OneNote/OneDrive and Google Classroom

• Explore and pilot programs that will support higher order thinking and questioning

• Provide assistive technologies to support students with special needs

• Improve wireless connectivity and deploy the mobile device management system

• Support the growing needs computer programming, CAD, Virtual simulations, engineering design

• Provide a longitudinal data system that support data-driven instruction and provide student data analysis training

• Improve our Wi-Fi capacity to support District devices and BYOD initiative at the high school

• Increase student/staff safety by upgrading our security infrastructure with new IP Security Cameras, new CISCO phones with security features, and emergency call management system with lockdown tones

• Continue the needs assessment cycle and update technology plan accordingly*

5. **If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.**

   Please describe how you have quantified this demand and how you plan to meet this demand.

Currently we use various network usage monitoring tools to survey our wireless resource utilization. With most of the newer devices equipped with only AC capabilities, it became necessary to upgrade to the most robust wireless protocol. One tool that we use to monitor our Internet bandwidth usage is provided by the Lower Hudson Regional Information Center called, Cacti.

We are continuously making improvements in our technology systems infrastructure to accommodate growing needs. The District has a robust wireless infrastructure with wireless controllers. However, new technologies and growing demands of teachers and students, such increased number of laptops, tablets and other mobile devices such as smart phones, it has become necessary for us to increase our wireless capabilities and coverage. To that end, we are upgrading to AC wireless protocols from our current a/b/g/n protocols. AC protocols are backward compatible in that the older devices with a/b/g/n antennas will work and accommodate newer technologies and provides for more coverage density in hard-to-reach-areas. This will empower teachers and students in reaching their learning objectives with faster access to network resources and information.

6. **As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.**

Project Number
66-01-01-03-7-999-BA1

Page Last Modified: 06/15/2016

7.   **Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.**

      Was your project deemed eligible for streamlined review?

      Yes

7a.   **Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number.**

      The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

      ☑   I certify that I have reviewed all installations with a licensed architect or engineer of record.

8.   **Include the name and license number of the architect or engineer of record.**

Name	License Number
Russell Armstrong Davidson	19885

9.   **If you are submitting an allocation for School Connectivity complete this table.**
      Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	448,352
Outside Plant Costs	(No Response)
School Internal Connections and Components	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	448,352.00

10.   **To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

Page Last Modified: 06/15/2016

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Cisco Catalyst 3850 12 Port 10Gb Fiber Switch IP Services	1	8,215	8,215
Network/Access Costs	350W AC Config 1 Power Supply	1	265	265
Network/Access Costs	Cisco Catalyst 3650 48 Port Data 4x10Gb Uplink IP Base	3	5,512	16,536
Network/Access Costs	250W AC Config 2 Power Supply Spare	3	239	716
Network/Access Costs	10-Gb BASE-SR SFP Module	4	527	2,109
Network/Access Costs	Alcatel 10-GB Optical Transceiver (SFP+) (nominal) withan LCconnector. Typical reach 300mSupportsmultimodefiberover850nm wavelength	70	299	20,944
Network/Access Costs	Alcatel 10 Gigabit optical transceiver(SFP+). Supports multimode fiber over 1310nm wavelength (nominal) withan LCconnector. Typical reach of 220m on FDDI-grade (62.5µm)	4	438	1,752
Network/Access Costs	Alcatel 10 Gigabit SFP + module for OS6450-48 and OS-6450P switches	48	672	32,256
Network/Access Costs	10 Gigabit direct attached copper cable(1m, SFP+) for Alcatel switches	3	72	216
Network/Access Costs	10 Gigabit direct attached copper cable(3m, SFP+) 3 for Alcatel switches	3	96	288
Network/Access Costs	Labor - Alcatel Switch Fiber Cable Upgrade	1	5,000	5,000
Network/Access Costs	AC Wireless Access Points--OmniAccess AP205Dual radioIEEE 802.11ac (2x2:2) wireless access point (compatible to 802.11'B')	75	548	41,100
Network/Access Costs	AC Wireless Access Points--OmniAccess AP220SeriesAccess Point Mount Kit(basic, flat surface). Contains 1xflat surface wall/ceiling mount bracket	75	33	2,475
Network/Access Costs	AC Wireless Access Points--OmniAccess AP215Wireless Access Point, 802.11n/ac, 3x3:3, dual radio, integrated antennas	225	716	161,100

Page Last Modified: 06/15/2016

Network/Access Costs	AC Wireless Access Points--OmniAccess AP22x Access Point Mount Kit (basic, flat surface).Contains 1xflat surface wall/ceiling mount brackets (color white)	225	17	3,825
Network/Access Costs	Replacement Fiber Cable for 10GB Capability - 1-Meter fiber patch cables	46	15	690
Network/Access Costs	Replacement Fiber Cable for 10GB Capability- 2 meter fiber patch cables	21	19	399
Network/Access Costs	Replacement Fiber Cable for 10GB Capability- Corning OM3 Armored 6-strand fiber cables	28	1,375	38,500
Network/Access Costs	Replacement Fiber Cable for 10GB Capability- Corning OM4 Armored 6-strand fiber cables	1	1,409	1,409
Network/Access Costs	Labor-- Replace old fiber cables with 10GB Capable and terminate cables in 15RUs	1	90,557	90,557
Network/Access Costs	Labor- AC Wireless AP Upgrades (Configuration and Installation of 300 APs)	1	20,000	20,000

Smart Schools Investment Plan

Community Connectivity (Broadband and Wireless)

Page Last Modified: 05/27/2016

1. **Briefly describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the community.**

   (No Response)

2. **Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.**

   (No Response)

3. **Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).**

   ☐   I certify that we will comply with all the necessary local building codes and regulations.

4. **Please describe the physical location of the proposed investment.**

   (No Response)

5. **Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.**

Project Partners	Federal ID #
(No Response)	(No Response)

6. **If you are submitting an allocation for Community Connectivity, complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	

7. **To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Page Last Modified: 05/27/2016

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source.

   Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

   1. Specifically codified in a service contract with a provider, and

   2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

   Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

   (No Response)

   1a. If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.

   ☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

3. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.

   Please describe how you have quantified this demand and how you plan to meet this demand.

   (No Response)

4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.

   Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

   ☐ By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department.

5. **Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems. Specifically address the adequacy of each facility's electrical, HVAC and other infrastructure necessary to install and support the operation of the planned technology.**

(No Response)

6. **Describe how the proposed technology purchases will:**
   - **> enhance differentiated instruction;**
   - **> expand student learning inside and outside the classroom;**
   - **> benefit students with disabilities and English language learners; and**
   - **> contribute to the reduction of other learning gaps that have been identified within the district.**

   The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?"

   (No Response)

7. **Where appropriate, briefly describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.**

   (No Response)

8. **Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.**

   Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary."

   (No Response)

9. **Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.**

   ☐ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

10. **A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.**

    Are there nonpublic schools within your school district?

    ☐ Yes
    ☐ No

11. **Nonpublic Classroom Technology Loan Calculator**

Page Last Modified: 05/27/2016

The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of $250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.
See:
http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

12. **To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.**

☐   By checking this box, you certify that the district has a sustainability plan as described above.

13. **Districts must ensure that devices purchased with Smart Schools Bond funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles.**

☐   By checking this box, you certify that the district has a distribution and inventory management plan and system in place.

14. **If you are submitting an allocation for Classroom Learning Technology complete this table.**
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	(No Response)
Totals:	

15. **To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

Smart Schools Investment Plan

Classroom Learning Technology

Page Last Modified: 05/27/2016

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Page Last Modified: 05/27/2016

1. **Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.**

   (No Response)

2. **Describe the district's plan to construct, enhance or modernize education facilities to accommodate pre-kindergarten programs. Such plans must include:**

   - Specific descriptions of what the district intends to do to each space;
   - An affirmation that pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;
   - The number of classrooms involved;
   - The approximate construction costs per classroom; and
   - Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.

   (No Response)

3. **Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.**

   (No Response)

4. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

Project Number
(No Response)

5. **If you have made an allocation for Pre-Kindergarten Classrooms, complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	

6. **To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan

Replace Transportable Classrooms

Page Last Modified: 05/27/2016

1. **Describe the district's plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.**

   (No Response)

2. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

Project Number
(No Response)

3. **For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.**

   If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.

   (No Response)

4. **If you have made an allocation for Replace Transportable Classrooms, complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
Totals:	

5. **To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Page Last Modified: 05/27/2016

1. **Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.**

    The District values student and staff safety and plans to invest in upgrading aging IP security system. The District's security cameras are over eight years old, already obsolete or end of life. Our intent is to upgrade and extend the coverage of the High Definition Cameras on school premises to ensure a safe environment for students and the school community. Last year, we started the first phase of upgrading our security infrastructure by installing a new security server and replacing the cameras that no longer functioned. The next phase is to use part of our SSBA funds to replace the remainder of the cameras with more modern high-resolution cameras, and adding another security server.

2. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

Project Number
66-01-01-03-7-999-BA1

3. **Was your project deemed eligible for streamlined Review?**

    ☑ Yes
    ☐ No

    3a. **Districts with streamlined projects must certify that they have reviewed all installations with their licensed architect or engineer of record, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.**

    ☑ By checking this box, you certify that the district has reviewed all installations with a licensed architect or engineer of record.

4. **Include the name and license number of the architect or engineer of record.**

Name	License Number
Russell Armstrong Davidson	19885

5. **If you have made an allocation for High-Tech Security Features, complete this table.**
    Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	259,277
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	259,277.00

6. **To the extent possible, please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

Page Last Modified: 05/27/2016

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	Ph1 (2016)- Avigilon Exterior 3MP Camera, 3.0C-H4A-BO1-IR. 3.0 Megapixel WDR, LightCatcher, 3-9mm f/1.3 P-iris lens, Integrated IR, Self-Learning Video Analytics	16	739	11,817
Electronic Security System	Ph1 (2016)- Avigilon H4-BO-JBOX1 Exterior 3MP Junction box for the H4A-BO-IR HD Bullet Cameras mounting	16	64	1,031
Electronic Security System	Ph1 (2016)- Avigilon Interior Recessed 3MP Camera, 3.0C-H4A-DC1, 3.0 Megapixel WDR, LightCatcher, Day/Night, In-Ceiling Dome, 3-9mm f/1.3 P-iris lens, Self-Learning Video Analytics	26	632	16,436
Electronic Security System	Ph1 (2016)- Avigilon Interior Recessed 3MP, H4A-DC-CPNL1, Metal ceiling panel for use with H4A-DC in-ceiling dome cameras to replace or reinforce the existing ceiling tile in suspended ceiling installations	26	68	1,766
Electronic Security System	Ph1 (2016)- Avigilon Interior Surface 3MP, 3.0C-H4A-DO1-IR, 3.0 Megapixel WDR, LightCatcher, Day/Night, Outdoor Dome, 3-9mm f/1.3 P-iris lens, Integrated IR, Self-Learning Video Analytics	11	739	8,134
Electronic Security System	Ph1 (2016)- Avigilon Video Server, NVS-5-A-H, 2U NVS (HP Chassis), Dual Session, (12) 6 TB HD's w/Hot Spare, 60 TB Total 55.2 TB Usable, Academic	1	12,234	12,234
Electronic Security System	Ph1 (2016)- Labor for Installation and Configuration	1	36,729	36,729
Electronic Security System	Ph2 (2016)- Avigilon Exterior 30 MP (30L-H4PRO-B), 7K (30 MP) H.264 HD Pro with LightCatcher TechnologyPh1 (2016)- Avigilon Exterior 30 MP (30L-H4PRO-B), 7K (30 MP) H.264 HD Pro with LightCatcher Technology	3	7,382	22,146
Electronic Security System	Ph2 (2016)- DayAutomation Exterior 30 MP (DAY-CAMKIT-2), Exterior IP Camera Termination Kit	3	94	282

Page Last Modified: 05/27/2016

Electronic Security System	Ph2 (2016)- Avigilon Exterior 30 MP (ES-HD-HWS-LG), Outdoor HD Large Enclosure with Heater	3	296	888
Electronic Security System	Ph2 (2016)- Avigilon Exterior 30 MP (ES-HD-IPM), PoE+ Power Module	3	168	504
Electronic Security System	Ph2 (2016)- Avigilon Exterior 30 MP (LEF3514CA), Canon Lens, 35mm, f/1.4, Auto Iris, 37.3 deg Horizontal Angle of View	1	2,084	2,084
Electronic Security System	Ph2 (2016)- Avigilon Exterior 30 MP (LEF5012CA), Canon Lens, 50mm, f/1.2, Auto-Iris, 26.6 deg Horizontal Angle of View	1	2,380	2,380
Electronic Security System	Ph2 (2016)- Avigilon Exterior 30 MP (LEF8512CA), Canon Lens, 85mm, f/1.2, Auto-Iris, 15.8 deg Horizontal Angle of View	1	2,932	2,932
Electronic Security System	Ph2 (2016)- Avigilon Exterior 30 MP (POE-INJ2-PLUS), 1-Port Gb IEEE 802.3af PoE Injector	3	52	156
Electronic Security System	Ph2 (2016)- Avigilon Exterior 5MP (5.0L-H4A-BO1-IR), 5.0 Megapixel, LightCatcher, 4.3-8mm f/1.8 P-iris lens, Integrated IR, Self-Learning Video	5	1,064	5,320
Electronic Security System	Ph2 (2016)- Exterior 5MP (DAY-CAMKIT-2), Exterior IP Camera Termination Kit	5	94	470
Electronic Security System	Ph2 (2016)- Avigilon Exterior 5MP (H4-BO-JBOX1), Junction box for the H4A-BO-IR HD Bullet Cameras	5	64	321
Electronic Security System	Ph2 (2016)- Avigilon Video Server (NVS-3-A-H), 2U Network Video Server (HP Chassis), (12) 4 TB HD's, 40 TB Total 36.8 TB Usable, Academic	1	7,968	7,968
Electronic Security System	Ph2 (2016) 30 MP/5MP Exterior Labor for Installation of cameras and server	1	17,246	17,246
Electronic Security System	Ph3 (2017)- Avigilon Exterior Camera (3.0C-H4A-BO1-IR), 3.0 Megapixel WDR, LightCatcher, 3-9mm f/1.3 P-iris lens, Integrated IR, Self-Learning Video Analytics	19	978	18,582
Electronic Security System	Ph3 (2017)- Avigilon Exterior Camera (DAY-CAMKIT-2), Exterior IP Camera Termination Kit	19	94	1,786
Electronic Security System	Ph3 (2017)- Avigilon Exterior Camera (H4-BO-JBOX1), Junction box for the	19	64	1,216

Page Last Modified: 05/27/2016

	H4A-BO-IR HD Bullet Cameras			
Electronic Security System	Ph3 (2017)- Avigilon Interior Recessed Cameras (3.0C-H4A-DC1), 3.0 Megapixel WDR, LightCatcher, Day/Night, In-Ceiling Dome, 3-9mm f/1.3 P-iris lens, Self-Learning	33	934	30,789
Electronic Security System	Ph3 (2017)- (DAY-CAMKIT-1), Interior IP Camera Termination Kit	33	26	858
Electronic Security System	Ph3 (2017)- Avigilon (H4A-DC-CPNL1) Metal ceiling panel for use with H4A-DC in-ceiling dome cameras to replacement	33	68	2,244
Electronic Security System	Ph3 (2017)- Avigilon Interior Surface 3MP Cameras (3.0C-H4A-DO1-IR), 3.0 Megapixel WDR, LightCatcher, Day/Night, Outdoor Dome, 3-9mm f/1.3 P-iris lens, Integrated IR, Self-Learning Video Analytics	11	979	10,769
Electronic Security System	Ph3 (2017)- Avigilon Camera Termination Kits	11	94	1,034
Electronic Security System	Ph3 (2017)- Avigilon (H4A-MT-WALL1) Camera Wall brackets with H4A-DP Pendant Dome Cameras	11	43	473
Electronic Security System	Ph3 (2017)- Avigilon Video Server (NVS-5-A-H), 2U NVS (HP Chassis), Dual Session, (12) 6 TB HD's w/Hot Spare, 60 TB Total 55.2 TB Usable, Academic	1	12,234	12,234
Electronic Security System	Ph3 (2017)- Phase 3 Camera Upgrade Labor	1	28,448	28,448