ELMIRA CITY SD

Smart Schools Investment Plan - 2016-03-02

SSIP Overview

Page Last Modified: 07/22/2016

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

Joshua Miller

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

607-735-5424

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

josmiller@elmiracityschools.com

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.

ELMIRA CITY SD

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SSIP Overview

Page Last Modified: 07/22/2016

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.

Preliminary Smart Schools 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.

7,163

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:

$7,090,526

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	3,994,933
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	1,956,700
Totals:	5,951,633.00

Page Last Modified: 07/22/2016

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.

The SSBA funds will meet this standard by providing additional bandwidth and stability to the network backbone. The majority of the district network is currently connected to the Network Operations Center by 10gb links between network closets and between buildings. The proposed projects will provide stability to these internal links. The connection between the district and the host of internet services at GST BOCES provides for bursting capabilities and flexibility in order to increase available bandwidth to meet this standard. Improving the network backbone and providing an alternate path to GST BOCES will improve the district's ability to meet this standard continuously without interruption due to equipment failures or fiber breaks.

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	6,264	626,400	626.4	1,250 Mbps	1,250 Mbps	now

Page Last Modified: 07/22/2016

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

There are 3 main components of the projects proposed for School Connectivity:

- Upgrade to the wireless network: this project will increase the speed, throughput, and penetration of the wireless network by installing new wireless access points in each classroom in order to accommodate a minimum of 1 device per person and in some spaces 2 devices per person. New access points will be connected to the backbone with a Cat6 and Cat6A connection in order to increase the available bandwidth and capacity on each access point. High capacity areas such as cafeterias, gymnasiums, and auditoriums will include additional access points to support more users. Network switches in the closets will receive upgrades to add capacity to accommodate the additional access points.
- Expansion of the backbone network infrastructure to include multiple data transmission paths: this project will provide a secondary path for data transmission in the event of a slowdown or disruption of service on the primary path. Network switches will be installed in each building that connect by existing fiber to the primary Network Operations Center (NOC) and a secondary Network Operations Center in a geographically diverse location. The network will be re-engineered so that all data utilizes the best routing path between the primary and secondary NOC. A secondary, diverse, fiber connection will be added to the primary NOC and the secondary NOC to provide an alternate path in the event of a fiber break. Additional network equipment will be required to bring the secondary NOC online.
- Replacement of aging fiber and copper cabling: this project will replace copper and fiber cabling that has been identified to require replacement due to the age or threat of impending failure that will cause a disruption in telecommunications.

4. 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 Instructional Technology Plan identifies a goal to pursue the upgrade of the wireless network in order support the expanded and continued use of mobile network devices. The upgrade of the wireless network will meet this goal identified in Part E Question 1.

The Instructional Technology Plan also established a goal to provide an alternative route to the regional network in order to improve network stability for daily classroom instructional use and computer based testing. The expansion of the backbone network infrastructure will increase network stability in the event of a fiber break, power outage, or equipment failure by providing an alternate path for data transmission.

The replacement of aging fiber and copper cabling will also improve network stability and protect the disruption of telecommunications required for daily instructional usage in the classrooms and building affected.

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.

The current Wi-Fi network was designed in 2009 with a goal of achieving 100% coverage. Although the district technically has 100% coverage, access points located in hallways spread out between 3-4 rooms do not allow for the number of students in a classroom to be able to access the wireless network with a device per person. When whole classrooms of students attempt to utilize a laptop cart, the wireless network is bogged down after about the 15th student.

The upgraded Wi-Fi network will include 1 access point per classroom in order to locate the access points closer to the devices in use (and therefore increase the strength of the signal) and access points will have two connections back to the network closet in order to double the available capacity. Additional capacity will be available in the future by including one connection with Cat6A cabling, allowing for additional capacity up to 10gb if additional upgrades are made to network switches in the future.

These improvements will allow for a minimum of 1 device per student in each classroom and in some cases 2 devices per student.

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
07-06-00-01-7-999-012

Page Last Modified: 07/22/2016

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?

No

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

Name	License Number
Jeff Robbins, Hunt Engineers and Architects	35151

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	1,569,550
Outside Plant Costs	82,875
School Internal Connections and Components	1,152,000
Professional Services	635,000
Testing	0
Other Upfront Costs	0
Other Costs	555,508
Totals:	3,994,933.00

10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

Page Last Modified: 07/22/2016

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 AIR-AP2702I-x-K9: Dual-band, controller-based 802.11a/g/n/ac	736	950	699,200
Connections/Components	Category 6 Data Cabling Installation for Wireless Access Points - Construction budget for one Category 6 data cable from the data closet patch panel to each planned wireless access point location. Estimate includes cabling, installation, terminations, testing and labeling. This work will be competitively bid after SSBA approval and SED Facilities approval.	736	1,200	883,200
Network/Access Costs	Cisco Catalyst 4500 10/100/1000 PoE+ Line Card Model # WS-X4648-RJ45V-E	26	6,350	165,100
Network/Access Costs	Cisco C2960X 48-port PoE+, 750W, 2 x 10G SFP+, LAN Base	13	3,800	49,400
Connections/Components	Cisco FlexStack 50cm stacking cable	13	100	1,300
Connections/Components	Catalyst 2960-X FlexStack Plus Stacking Module	13	600	7,800
Network/Access Costs	Cisco Catalyst 3850 24 Port 10G SFP+ - Model # WS-C3850-24XS	2	18,000	36,000
Network/Access Costs	Cisco Catalyst 3850 48 Port PoE IP Base - Model # WS-C3850-48P-S	10	8,000	80,000
Network/Access Costs	CAT3850 UNIVERSAL W/O DTLS - Model # S3850ULPEK9-32-0SE -	12	1,500	18,000
Network/Access Costs	Cisco 10K Bi-Di 10G SFP Model #'s SFP-10G-BX10D-I & SFP-10G-BX10U-I	40	12,000	480,000
Network/Access Costs	Cisco Catalyst 3850 4 x 10GE Network Module - Part # C3850-NM-4-10G=	10	3,000	30,000
Connections/Components	Broadway School - Replace existing Cat 5 Data Cabling with Cat 6 Data Cabling	175	600	105,000
Connections/Components	Diven Elementary - Replace existing Cat 5 Data Cabling with Cat 6 Data Cabling	50	600	30,000
Connections/Components	Ernie Davis Academy - Replace existing Cat 5 Data Cabling with Cat 6 Data Cabling	90	600	54,000

Connections/Components	Elmira High School - Replace existing Cat 5 Data Cabling with Cat 6 Data Cabling	90	600	54,000
Connections/Components	Fassett Elementary - Replace existing Cat 5 Data Cabling with Cat6 Data Cabling	10	600	6,000
Connections/Components	Pine City Elementary - Replace existing Cat 5 Data Cabling with Cat 6 Data Cabling	7	600	4,200
Network/Access Costs	Data room improvements at Booth School - Each data room will receive a 3/4 ton split AC unit to cool the equipment.	1	11,850	11,850
Outside Plant Costs	Ernie Davis Academy - District Fiber Outside Plant Reconfiguration - Quote from STN to add an additional 2-strands of fiber optic cabling to EDA building from the STN Backbone. These fibers will be reconfigured with the other schools to create load balancing and multiple paths for data traffic.	1	18,550	18,550
Outside Plant Costs	Elmira High School - District Fiber Outside Plant Reconfiguration Quote from STN to add an additional 2-strands of fiber optic cabling to EDA building from the STN Backbone. These fibers will be reconfigured with the other schools to create load balancing and multiple paths for data traffic.	1	31,825	31,825
Outside Plant Costs	Ernie Davis Academy - A 12-strand OS2 single mode fiber optic cable will be installed to replace the existing fiber optic cable that is no longer is satisfactory condition. The fiber pathway beneath the walking bridge will need to be replaced as it is becoming unattached from the structure. Installation will include the removal of the existing cable, installation of the new cabling, terminations, testing and conduit pathway improvement under the walking bridge. This work will be competitively bid after SSBA approval and SED Facilities approval.	1	32,500	32,500
Connections/Components	Network Monitoring Digital Signage - A Model: P553-DRD 55	1	3,000	3,000

Page Last Modified: 07/22/2016

Connections/Components	Installation & Mounting hardware for network monitoring digital sign. Installation to include a Peerless wall mount & associated hardware, power outlet installation, media player programming, Cat 6 data cabling to the MDF from the TV location in the IT offices and labor. This work will be competitively bid after SSBA approval and SED Facilities approval.	1	3,500	3,500
Other Costs	Project Incidentals for network switch & wireless upgrade project - construction administration,/management fees, printing costs, & contingencies	1	555,508	555,508
Professional Services	Legal and Bidding Fees	1	45,000	45,000
Professional Services	Architectural and Engineering Fees	1	590,000	590,000

1. 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. 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)

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, 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.

9a. Please enter the name of the SUNY or CUNY Institution that you contacted.

(No Response)

9b. Enter the primary Institution phone number.

(No Response)

9c. Enter the name of the contact person with whom you consulted and/or will be collaborating with on innovative uses of technology and best practices.

(No Response)

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

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. 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)

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. **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)

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. **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: 07/25/2016

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.

There are 4 main components to the projects proposed for High-Tech Security Features:

- Centralized DVMS Storage: this project will involve the replacement of 37 near end-of-life servers that are currently distributed in network closets in each school with 8 servers connected to high speed storage area network (SAN) devices and centralized into 4 network closets in 4 schools. The SANs will provide additional storage capacity necessary to upgrade analog cameras to IP cameras and maintain the required retention period for security video.
- Security camera upgrades: this project will identify the analog cameras in the highest priority locations in each school and replace them with IP cameras with better quality and higher resolution. New cameras may also be added to high priority locations that currently do not have adequate video coverage, as determined by school administrators.
- Standardized secure entrances and features: this project will standardize the equipment and procedures for building entrances at each school to include a buzzer, intercom, and camera located at each entrance that will allow staff to screen all individuals requesting access to a school with the ability to see and talk to the person before access to the school is allowed.
- Security Film on school entrances and windows: this project will include the installation of security door film on the interior vestibule doors at each school. The exterior doors have had door film installed previously and this additional work combined with the additional main entrance access control devices, will provide the district with a standardized secured entrance into each of its buildings across the district.

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
07-06-00-01-7-999-012
07-06-00-01-7-999-SB1

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
Jeff Robbins, Hunt Engineers and Architects	35151

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)	0
Electronic Security System	1,304,000
Entry Control System	55,000
Approved Door Hardening Project	254,000
Other Costs	343,700
Totals:	1,956,700.00

6. 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
Electronic Security System	Digital Video Management Storage System - Centralized storage arrays at four district buildings.	4	190,000	760,000
Electronic Security System	Avigilon 3MP IP Camera - Interior	84	2,800	235,200
Electronic Security System	Avigilon 5MP IP Camera - Exterior	84	3,200	268,800
Electronic Security System	Two-way radio upgrade - Each building will receive a networked two-way radio repeater that will ensure all district radios will work on the district's property in the case of an emergency. The district currently has issues with its two-way radio coverage several in of the elementary schools.	1	40,000	40,000
Entry Control System	Standardized Secured Entrance Devices - Construction Estimate for the installation of Card Readers, Intercoms, Door Contacts, request to exit sensor, Electrified door strikes or retraction hardware.	11	5,000	55,000
Approved Door Hardening Project	Security Door Film - Construction Estimate for the installation of security door film on the vestibule storefront glass at each building's main entrance. The security door film prevents the glass from being broken easily and delaying any breach into the building through the existing storefront glass.	1	254,000	254,000
Other Costs	Total Security Project Incidental Costs	1	343,700	343,700