

## Smart Schools Investment Plan - Revised - Safety

SSIP Overview

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**Institution ID**

80000055188

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

Joseph N Reilly

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

6076543858

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

Reilly.j.n@gmail.com

**2. Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of an approved 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.** Parents Teachers Students Community members**5. Did your district contain nonpublic schools in 2014-15?** Yes Yes, but they have all since closed, moved out of district or are declining use of SSBA funds No**6. Certify that the following required steps have taken place by checking the boxes below:** 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 occurred 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.

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- 6a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. 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.

Canaseraga\_Presentation.pdf

- 6b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

https://www.ccsdny.org/Domain/157

- 7. 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.

250

- 8. 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.

- 9. 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)

- 10. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.

(No Response)

- 11. Your district's Smart Schools Bond Act Allocation is:

\$384,755

- 12. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	220	0	220.00	0.00

- 13. This table compares each category budget total, as entered in that category's page, to the total expenditures listed in the category's expenditure table. Any discrepancies between the two must be resolved before submission.

	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	0.00	0.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	0.00	0.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	383,886.00	383,886.00	0.00
Nonpublic Loan	0.00	0.00	0.00
<b>Totals:</b>			

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	Sub-Allocations	Expenditure Totals	Difference
	<b>383,886</b>	<b>383,886</b>	<b>0</b>

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School Connectivity

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).** If the district currently meets the required speed, enter “Currently Met” in the last box: **Expected Date When Required Speed Will be Met.**

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	0.00	(No Response)	(No Response)	(No Response)

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

(No Response)

4. Describe the linkage between the district's District Instructional Technology Plan and how the proposed projects will improve teaching and learning. (There should be a link between your response to this question and your responses to Question 1 in Section IV - NYSED Initiatives Alignment: "Explain how the district use of instructional technology will serve as a part of a comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students.")

Your answer should also align with your answers to the questions in Section II - Strategic Technology Planning and the associated Action Steps in Section III - Action Plan.)

(No Response)

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.

(No Response)

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School Connectivity

6. Smart Schools plans with any expenditures in the School Connectivity category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

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

Name	License Number
(No Response)	(No Response)

9. Public Expenditures – Loanable (Counts toward the nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	PUBLIC Items to be Purchased	Quantity	Cost Per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	0.00	0

10. Public Expenditures – Non-Loanable (Does not count toward nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	PUBLIC Items to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	0.00	0

11. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	220	0	220.00	0.00

12. Total Public Budget - Loanable (Counts toward the nonpublic loan calculation)

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	(No Response)	0.00	0.00
School Internal Connections and Components	(No Response)	0.00	0.00

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School Connectivity

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Other	(No Response)	0.00	0.00
<b>Totals:</b>	<b>0.00</b>	<b>0</b>	<b>0</b>

13. Total Public Budget – Non-Loanable (Does not count toward the nonpublic loan calculation)

	Sub-Allocation
Network/Access Costs	(No Response)
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)
<b>Totals:</b>	<b>0.00</b>

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	0.00
<b>Totals:</b>	<b>0</b>

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Community Connectivity (Broadband and Wireless)

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. 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)	0.00
		<b>0</b>	<b>0.00</b>	<b>0</b>

7. 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)
<b>Totals:</b>	<b>0.00</b>

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Classroom Learning Technology

- 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:

- Specifically codified in a service contract with a provider, and
- 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)

- 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.

- Connectivity Speed Calculator (Required).** If the district currently meets the required speed, enter “Currently Met” in the last box: Expected Date When Required Speed Will be Met.

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	0.00	(No Response)	(No Response)	(No Response)

- 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)

- 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.

- 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)



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## Classroom Learning Technology

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?")

In addition, describe how the district ensures equitable access to instruction, materials and assessments and participation in the general curriculum for both SWD and English Language Learners/Multilingual Learners (ELL/MLL) students.

(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 one of the SUNY/CUNY teacher preparation programs listed on the document on the left side of the page 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)

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Classroom Learning Technology

10. 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.

11. 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.

12. 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)	0.00
		<b>0</b>	<b>0.00</b>	<b>0</b>

13. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	220	0	220.00	0.00

14. If you are submitting an allocation for Classroom Learning Technology complete this table.

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Interactive Whiteboards	(No Response)	0.00	0.00
Computer Servers	(No Response)	0.00	0.00
Desktop Computers	(No Response)	0.00	0.00
Laptop Computers	(No Response)	0.00	0.00
Tablet Computers	(No Response)	0.00	0.00
Other Costs	(No Response)	0.00	0.00
<b>Totals:</b>	<b>0.00</b>	<b>0</b>	<b>0</b>

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Pre-Kindergarten Classrooms

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 new 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.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

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)	0.00
		0	0.00	0

6. 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)
<b>Totals:</b>	<b>0.00</b>

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Replace Transportable Classrooms

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.

Please indicate on a separate row each project number given to you 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. 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)	0.00
		<b>0</b>	<b>0.00</b>	<b>0</b>

5. 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)
<b>Totals:</b>	<b>0.00</b>

Smart Schools Investment Plan - Revised - Safety

High-Tech Security Features

**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.**

Canaseraga Central School believes that all students are more successful when they learn in a safe and secure environment. They also believe that there are multiple components to a safe and secure school.

The first component is the video security system. Canaseraga has a system currently that covers some of the main areas of the school. The first priority is upgrading the existing system. The existing cameras are few and they are low quality analog cameras. The district is proposing with this application to expand the areas of the district covered including both internal and external areas. Additionally the cameras will be upgraded to high resolution digital cameras. No longer will the district depend on shadowy pictures. These high resolution cameras will have the detail required to resolve incidents and concerns. Finally the video recorders will be upgraded. The current system has limited storage capacity. The new recorder will save video for a minimum of one month with additional space for archived events.

The second component that the district wishes to address is the access control system. The district wishes to expand the number of doors that are electronically monitored and respond to swipe cards instead of traditional keys. Keys are very insecure. A swipe card helps the district control access to the doors by who and when. Teachers and Administrators can get in at certain times via specific doors. Parents and community members are only allowed controlled access to other doors on an individual basis. In the event one of the cards is lost it can be deactivated immediately and becomes worthless if it is found. A traditional key remains valuable until the locking cores are replaced. Additionally, the district wants to install a blue light emergency lock down system. In the event of an emergency the building can be locked with the activation of a single button with only access allowed to emergency first responders. Community members approaching the doors will be warned to stay away by flashing blue lights on strategic locations of the building.

The final component of the safety and security application is emergency classroom notification. Canaseraga wishes to install emergency digital units in each classroom. On a day-to-day basis the units appear to be a digital clock or public address system in every classroom and strategic public areas. In the event of an emergency the district can send audio messages to all, some, or an individual unit. They can also scroll digital messages that have been pre-loaded such as "shelter in place" or "Canaseraga CSD will be closing due to inclement weather at noon today." The current system is an unreliable, all or nothing analog audio system. Some areas are not covered by the system due to the age of some of the components. Because the new units will be components of the district's digital IT network the network administrator can monitor and test units at any time increasing the reliability exponentially. The Canaseraga administration will no longer be challenged by unserved areas that might not receive a critical message in an emergency situation.

**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. Smart Schools plans with any expenditures in the High-Tech Security category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit. Please indicate on a separate row each project number given to you by the Office of Facilities Planning.**

Project Number
02-11-02-04-7-999-002

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

- Yes
- No

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

Name	License Number
Troy Williams	41626

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

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## High-Tech Security Features

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	Avigilon: NVR4 Value, 6 TB, 1U Rack Mount, Windows 10 IoT Enterprise LTSB	1	3,825.00	3,825.00
Electronic Security System	Avigilon: NVR4, Education Series, 96TB, RAID6, No OS	1	19,550.00	19,550.00
Electronic Security System	Installation	1	178,115.00	178,115.00
Electronic Security System	Professional Services for Engineering/Programming/Proj Management/Checkout	1	49,916.00	49,916.00
Electronic Security System	Singlewire: InformaCast Advanced Notification - Endpoint Licensing - 50 License Bundle (includes first 90 Days of maintenance)	2	1,873.00	3,746.00
Electronic Security System	Avigilon: 3x 8MP, WDR, LightCatcher, 5.2mm, Camera Only	3	1,785.00	5,355.00
Electronic Security System	Advanced Network Devices: IP Extra Large Signboard with Flashers, 2-way Audio, PoE/SIP, 51.92in long overall, SS construction, Includes Enclosure	1	1,591.00	1,591.00
Electronic Security System	Avigilon: 3x 5MP, WDR, LightCatcher, 2.8mm, Camera Only	4	1,530.00	6,120.00
Electronic Security System	Avigilon: 3x 3MP, WDR, LightCatcher, 2.8mm, Camera Only	3	1,407.00	4,221.00
Electronic Security System	Advanced Network Devices: IP Clock with Flashers (Large), 2-way Audio, PoE/SIP, 28in long overall, SS construction, Includes Enclosure	11	1,094.00	12,034.00
Electronic Security System	Avigilon: 6MP Outdoor Pendant Dome, 4.9-8mm f/1.8 P-iris lens, WDR, LC Tech, D/N, and Next-Gen Analytics	1	999.00	999.00
Electronic Security System	Avigilon: 5MP Outdoor Pendant Dome, 9-22mm f/1.6 P-iris lens, WDR, LC Tech, D/N, and Next-Gen Analytics	1	965.00	965.00
Electronic Security System	Avigilon: 6MP Indoor Surface Dome, 4.9-8mm f/1.8 P-iris lens, WDR, LC Tech, D/N, and Next-Gen Analytics	1	922.00	922.00
Electronic Security System	Advanced Network Devices: IP Clock with Flashers (Small), 2-way Audio, PoE/SIP, 18in long overall, SS construction, Includes Enclosure	6	895.00	5,370.00
Electronic Security System	Advanced Network Devices: IP Speaker with Display and Flashers, 2-	34	825.00	28,050.00

## Smart Schools Investment Plan - Revised - Safety

## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	way Audio, PoE/SIP, Enclosure Not Included			
Electronic Security System	Avigilon: 4MP Indoor Surface Dome, 3.3-9mm f/1.3 P-iris lens, WDR, LC Tech, D/N, and Next-Gen Analytics	14	801.00	11,214.00
Electronic Security System	Advanced Network Devices: Zone Controller, IP Endpoint with Analog Audio Out, Local Mic Input, GPIO Trigger Capabilities, PoE/SIP	4	624.00	2,496.00
Electronic Security System	Mid Atlantic: EWR Series Wall Mount Rack, 17	2	550.00	1,100.00
Electronic Security System	Singlewire: One-Time Onboarding Fee - TIER 1	1	520.00	520.00
Electronic Security System	Advanced Network Devices: IP Zone Controller Module, Line Out, Informacast Enabled	4	488.00	1,952.00
Electronic Security System	AtlasIED: 100W Single Channel Pole Mount Amplifier	4	420.00	1,680.00
Electronic Security System	Avigilon: NVR4 Standard Redundant Hot-Swappable Power Supply, NA Power Cord, for 24 through 96TB Models	1	395.00	395.00
Electronic Security System	Avigilon: NVR4 Value Redundant Hot-Swappable Power Supply, NA Power Cord	1	349.00	349.00
Electronic Security System	Microsoft: Windows Server Standard 2019 Licensing, 16 core Licenses, Academic	1	312.00	312.00
Electronic Security System	American Wire Guards: 29	1	285.00	285.00
Electronic Security System	Barix: Barionet 50, Prog I/O Device Server w/Web Server, Modbus/TCP and SNMP, 2 Serial Ports, 4 DI, 4 DO	3	192.00	576.00
Electronic Security System	Valcom: Dynamic Desk Paging Microphone	1	167.00	167.00
Electronic Security System	Mid Atlantic: Rackmount Power, 9 Outlet, 15A, Basic Surge, Pilot Light	2	156.00	312.00
Electronic Security System	AtlasIED: Compact Outdoor Surface Mount Analog Speaker/Horn, 25W at 8-Ohm	3	154.00	462.00
Electronic Security System	American Wire Guards: 52	1	150.00	150.00
Electronic Security System	Crucial: RAM, 16GB, DDR4, DIMM 288-pin, 2666 MHz, PC4-21300, ECC	2	136.00	272.00

## Smart Schools Investment Plan - Revised - Safety

## High-Tech Security Features

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	Avigilon: Pendant Mount Adapter, must order (1) IRPTZ-MNT-WALL1 or -NPTA1 and (1) H4AMH-DO-COVR1	7	136.00	952.00
Electronic Security System	Avigilon: Clear Dome Bubble and Cover for Surface or Pendant Mount	7	136.00	952.00
Electronic Security System	Avigilon: In-ceiling Adapter, must order (1) H4AMH-DC-COVR1	3	128.00	384.00
Electronic Security System	Avigilon: Single Port PoE Injector Gigabit, 60W, for H4IR PTZ, Indoor Install, Temp Range 14-113 deg F	10	128.00	1,280.00
Electronic Security System	Bogen: 15-Watt Flange-mounted Reentrant Type Horn, 70/25V	13	110.00	1,430.00
Electronic Security System	Bogen: Ceiling Speaker, Drop-In, 2' x 2', 25/70V, Bright White	49	84.00	4,116.00
Electronic Security System	Bogen: Ceiling Speaker, Drop-In, 2' x 2', 8-Ohm, Bright White	9	83.00	747.00
Electronic Security System	Avigilon: Pendant Wall Arm Adapter for use w/H4AMH-AD-PEND1 or H4IRPTZ	7	81.00	567.00
Electronic Security System	Avigilon: Corner Mount Bracket	4	77.00	308.00
Electronic Security System	Panda Security: Adaptive Defense 360 License, 1-Year	1	68.00	68.00
Electronic Security System	Mid Atlantic: UFA Rackshelf, 1RU, 14.5	2	65.00	130.00
Electronic Security System	Unity: 12x12x4in Screw Cover Enc w/KO's and Perforated Back-Plate	6	65.00	390.00
Electronic Security System	Avigilon: Single port Gigabit 802.3at PoE Plus injector, Class 4 - NA power cord	1	64.00	64.00
Electronic Security System	Avigilon: Clear Dome Bubble and Cover for In-ceiling Mount	3	60.00	180.00
Electronic Security System	Ditek Corp.: PoE Surge Protection, RJ45, 48 V Protection, 72 V Clamp	9	60.00	540.00
Electronic Security System	AtlasIED: APF Series Square Surface Enclosure 6	3	59.00	177.00
Electronic Security System	Bogen: Surface-mount Enclosure, White, for FMH15T	28	58.00	1,624.00
Electronic Security System	Advanced Network Devices: Surface Mount Enclosure for IPSWD Models	34	57.00	1,938.00
Electronic Security System	AtlasIED: APF Series Square Recessed Grille	3	47.00	141.00



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## High-Tech Security Features

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	Bogen: Heavy Duty Grille, White, Use with BBFM6, BBSM6	13	43.00	559.00
Electronic Security System	AtlasIED: 8	1	43.00	43.00
Electronic Security System	AtlasIED: 11 5/8	1	43.00	43.00
Electronic Security System	AtlasIED: 11 1/2	1	38.00	38.00
Electronic Security System	AtlasIED: Rack Mount Kit for Half Width Rack Amplifier Units	4	29.00	116.00
Electronic Security System	Bogen: Adapter Ring, Fits FMH15T to SGHD8	13	26.00	338.00
Electronic Security System	Mid Atlantic: Latch for UD Series Drawers	2	17.00	34.00
Electronic Security System	Mid Atlantic: Forward Small Device Mounting Clamps, 4-pack	2	15.00	30.00
Electronic Security System	Microsoft: Windows Server Standard 2019 Licensing, 1 user CAL, Academic	5	11.00	55.00
Electronic Security System	Singlewire: 1 Year Maintenance - Per Endpoint License - TIER A (Qty 50 - 200)	100	10.00	1,000.00
Electronic Security System	Leviton: eXtreme Cat6 QuickPort Jack, White	83	9.00	747.00
Electronic Security System	Tripp Lite: 10ft Cat6 Gb Snagless Molded UTP Patch Cable, Orange	81	9.00	729.00
Electronic Security System	Tripp Lite: 3ft Cat6 Gb Snagless Molded UTP Patch Cable, Orange	79	5.00	395.00
Electronic Security System	Singlewire: InformaCast Mobile - 1 Year Subscription - TIER 1	250	5.00	1,250.00
Electronic Security System	Tripp Lite: 1ft Cat6 Gb Snagless Molded UTP Patch Cable, Orange	13	5.00	65.00
Electronic Security System	Leviton: Surface Mount QuickPort Box, Plenum Rated, 1-Port, White	83	2.00	166.00
Entry Control System	Avigilon 2 Door Intelligent controller	1	3,116.00	3,116.00
Entry Control System	Avigilon: 2-Door Intelligent Controller, 8 In, 4 Relay Outputs, 12-24Vdc, RS485 (Replaces 2DR)	3	1,054.00	3,162.00
Entry Control System	Avigilon: ACM Badging Application Software License v6, 1 per Appliance	1	708.00	708.00
Entry Control System	Avigilon: 2-Door Interface Module, Mag or Wiegand, 8 In, 6 Relay Outputs, 12-24Vdc, RS485	2	582.00	1,164.00
Entry Control System	Avigilon: 1-Door Intelligent Controller,	1	561.00	561.00

## Smart Schools Investment Plan - Revised - Safety

## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	2 In, 2 Relay Outputs, PoE/PoE+ or 12Vdc, RS485 (Replaces 1DR)			
Entry Control System	HID: iCLASS Cards, PVC, 2kb, Prog, White, Seq Matching Encoded/Printed (Ink), NSP, 26b, 100-pack	2	405.00	810.00
Entry Control System	Siemens: 24x36in Panel Enclosure, Hinged Door	1	334.00	334.00
Entry Control System	Altronix: Offline Switching Power Supply, 115 Vac, 24 Vdc 12 A Output, with AC Fail & Low Battery Alarm	1	327.00	327.00
Entry Control System	Avigilon: 1-Door Interface Module, Mag or Wiegand, 2 In, 2 Relay Outputs, 12-24Vdc, RS485	1	293.00	293.00
Entry Control System	Altronix: NAC Power Extender, 4 A @ 120 Vac In, 2.5 A @ 24 Vdc per Output, on-board strobe sync	2	287.00	574.00
Entry Control System	HID: iClass/multiClass SE R15/RP15 Reader, HID Prox, Legacy, Wiegand, Black	1	252.00	252.00
Entry Control System	Aiphone: Stainles Steel Flush Mount 2-gang Door Station, Audio Only	2	249.00	498.00
Entry Control System	Aiphone: 3 CALL MASTER STATION WITH SELECTIVE DOOR RELEASE	1	235.00	235.00
Entry Control System	Siemens: 24x24in Panel Enclosure, Hinged Door	2	234.00	468.00
Entry Control System	Altronix: Offline Switching Power Supply, 115 Vac, 24 Vdc 10 A Output, with AC Fail & Low Battery Alarm	3	203.00	609.00
Entry Control System	Bosch: ATM Style Alpha-Numeric Keypad, SDI2 Bus, 80 mA In-Alarm (req. V2.00 G-Series Panel)	1	172.00	172.00
Entry Control System	The Housing Company: Lexan Polycarbonate Housing for Readers, 7x13x4in, w/Keylock	1	153.00	153.00
Entry Control System	Siemens: 16x19in Panel Enclosure, Hinged Door	1	150.00	150.00
Entry Control System	The Housing Company: Single-Head Reader Pedestal, 42in High, Black	1	142.00	142.00
Entry Control System	Allen-Bradley: Micro810 PLC, 24 Vac/dc Power, 8 DI (24 Vac/dc), 4 DO (Relays), (4) Programmable AI shared w/4 of the DC Inputs	2	131.00	262.00

## Smart Schools Investment Plan - Revised - Safety

## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Entry Control System	Aiphone: Surface Mount Box for 2-Gang Stainless Steel Stations	2	112.00	224.00
Entry Control System	Bosch: 8 Relay Module for SDI2, Form C, 1 A @ 5-24 Vdc, Modular Interconnect	1	108.00	108.00
Entry Control System	Aiphone: 12VDC, 2.5AMP POWER SUPPLY	1	91.00	91.00
Entry Control System	STI: Yellow Stopper Station, Indoor Only, Flush or Surface Mount, Button w/Cover, Momentary, Non-Illuminated, Lockdown Label	3	82.00	246.00
Entry Control System	Bosch: Passive Infrared REX, 12-30Vdc @ 26mA, Surface Mount, Form C Contacts	15	79.00	1,185.00
Entry Control System	Microsoft: LifeCam Studio 1080p HD Webcam, for Badging	1	79.00	79.00
Entry Control System	Bosch: Popex Module for up to 100 POPITs, SDI2 bus comm to Intrusion Control Panel	1	75.00	75.00
Entry Control System	System Sensor: SpectrAlert Advance Outdoor Plain White Strobe, Wall Mount, Clear Lens, High Candela, 12/24 Vdc	10	71.00	710.00
Entry Control System	MS Sedco: ClearPath Wireless Transmitter, Powered by standard 9V Battery, Dim. 2.25x4.75x4.75 in. (LxWxH)	4	56.00	224.00
Entry Control System	MS Sedco: ClearPath Multi-Mode Wireless Receiver, Input Voltage 12-24VAC/DC, Dim. 4x2x1 in. (LxWxH)	2	55.00	110.00
Entry Control System	MS Sedco: Blue ADA Faceplate/Switch for CP/TX Transmitter	4	49.00	196.00
Entry Control System	Bosch: Plug-In Telephone Communicator	1	49.00	49.00
Entry Control System	Altronix: 28 Vac 100 VA 3.57 Amp Transformer	1	35.00	35.00
Entry Control System	Altronix: 6/12/24 Vdc 2.5 A, Switching Power Supply	1	35.00	35.00
Entry Control System	System Sensor: L-Series Indoor Plain White Strobe, Wall Mount, Clear Lens, 12/24 Vdc	1	35.00	35.00

## Smart Schools Investment Plan - Revised - Safety

## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Entry Control System	MS Sedco: Relay Module for the CP/RX Receiver	2	34.00	68.00
Entry Control System	Sunpak: 6601UT Tripod with 3-Way Pan/Tilt Head (Quick Release), Supports 4.4 lb (2 kg)	1	31.00	31.00
Entry Control System	Aiphone: Desk Mount Stand for Aiphone Intercom Video Monitors	1	28.00	28.00
Entry Control System	Altronix: Voltage Regulator, 24Vac/dc to 12Vdc @ 1A, with Terminal Block	1	28.00	28.00
Entry Control System	Altronix: 8 Fused Output Power Distribution Module	2	27.00	54.00
Entry Control System	Bosch: G Series POPIT/CIM Module, No Tamper	3	27.00	81.00
Entry Control System	Altronix: 4 Fused Output Power Distribution Module	1	24.00	24.00
Entry Control System	Hammond Manufacturing: Class 2 Energy Limiting Small Box Mount Transformer, 40VA, 120Vac In, 16.5Vac @ 2.42A	1	24.00	24.00
Entry Control System	Day Automation: 1 in. Recessed Door Contact with 2k Ohm Embedded Resistors, Wide-Gap, N.C. Loop	9	20.00	180.00
Entry Control System	Powersonic: 12 Vdc 7 AH Battery	16	18.00	288.00
Entry Control System	STI: Yellow Back box & Spacer Kit for 1, 3 or 4 switch	3	17.00	51.00
Entry Control System	Functional Devices: RIB Relay, 10A, SPDT, 10-30Vac/dc 120Vac Coil	9	15.00	135.00
Entry Control System	Day Automation: 1 in. Recessed Door Contact, Wide-Gap, N.C. Loop	6	14.00	84.00
Entry Control System	Aiphone: DOOR RELAY FOR INTERCOM	2	12.00	24.00
Entry Control System	Bosch: Keypad Trim Bezel for B930 Keypad	1	10.00	10.00
Entry Control System	System Sensor: Blue Lens for SpectrAlert Advance Wall Mount Strobes	10	9.00	90.00
Entry Control System	System Sensor: Blue Lens for L-Series Wall Mount Strobes	1	9.00	9.00
Entry Control System	Bosch: DUAL BATTERY HARNESS FOR BOSCH G SERIES	1	9.00	9.00
Entry Control System	Bosch: Dual Tamper Switch, 2-wire	1	7.00	7.00

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High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	connector lead and 2nd reed switch bare conductors			
Entry Control System	Revere Industries: UL RJ31X Block and Cable Kit	1	3.00	3.00
Entry Control System	Bosch: Trim Plate for Mounting DS160 REX	9	2.00	18.00
Entry Control System	Bosch: Intrusion Detection Control Panel, PC Board Only, Replacement for B series	1	631.00	631.00
		<b>1,206</b>	<b>284,465.00</b>	<b>383,886</b>

6. If you have made an allocation for High-Tech Security Features, complete this table. Enter each Sub-category Public Allocation based on the the expenditures listed in Table #5.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0.00
Electronic Security System	364,617.00
Entry Control System	19,269.00
Approved Door Hardening Project	0.00
Other Costs	0.00
<b>Totals:</b>	<b>383,886.00</b>