Smart Schools Investment Plan - Revised - Safety and Security

SSIP Overview

Institution ID
800000036610

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

Joseph 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
☐ The district was unable to meet with each group of stakeholders due to an emergency need as a result of the COVID-19 crisis.

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 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 school board was unable to conduct a hearing that enabled stakeholders to respond to the preliminary plan due to an emergency need as a result of the COVID-19 crisis.
☑ 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.

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.

SmartBond_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.

www.lmcs.k12.ny.us/cms/lib/NY02208473/Centricity/ModuleInstance/884/SmartBond%20Presentation.pdf

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.

495

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:

$617,438

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	443	0	443.00	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	306,512.00	306,512.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	310,886.00	310,886.00	0.00
Nonpublic Loan	0.00	0.00	0.00
Totals:			

	Sub-Allocations	Expenditure Totals	Difference
	617,398	**617,398**	**0**

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)

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)

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	443	0	443.00	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

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Other	(No Response)	0.00	0.00
Totals:	**0.00**	**0**	**0**

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)
Totals:	**0.00**

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	0.00
Totals:	**0**

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
		0	**0.00**	**0**

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)
Totals:	**0.00**

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.

Livingston Manor Central School subscribes to broadband services through the Central Southern Tier Regional Information Center and exceeds the standard identified above.

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	469	46.90	200	200	Currently Met

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.

Livingston Manor currently exceeds this standard.

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.

Livingston Manor has maintained the buildings and has current infrastructure for electrical service and HVAC. The devices proposed in this application are replacements for existing devices and will not present any additional demands on the infrastructure.

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.

Technology is not the goal, it is a tool to meet the goal. The real goal is to help ALL students be successful. The proposal to upgrade the classroom display devices is help reach students who are less successful in traditional lecture style learning environments.
The interactive devices will replace outdated devices in existing classrooms. In those classrooms, special needs students can utilize the interactive capacity of those boards to become hands on learners using simulations and modeling to expand regular classroom instructions.
English language learners can use the devices with Google Classroom to translate presentations and content from English to their native language and convert individual work in their native language to English. These students can work in the classroom when the material is relevant. This is a tremendous improvement over the current system where a tutor who might only be available to translate at limited times causes confusion and disconnect as opposed to translation in the classroom at the right time.
Students who struggle with rigorous content will become classroom contributors and able to experience alternative instruction using the interactive displays. They will no longer be limited by text books and traditional lecture. Differentiated instruction providing alternative approaches rather than "more of the same."
While these displays are limited to the classroom, Livingston Manor uses Google Classroom. Students are no longer limited to a 45 minute classroom experience. Students can share documents with other students any time that is appropriate. Teachers can provide feedback in the evenings or on weekends.
Another goal for the Livingston Manor Technology plan is a one-to-one environment. This plan also proposes the purchase of chromebooks for this one-to-one. These chromebooks will allow all students to participate any time, any where in the building.

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.

While these devices will not directly impact communication with parents or other stakeholders, Livingston Manor utilizes a student management system with a robust parent portal. Parents have real time access to academic progress, attendance, and discipline information. They also have email contact with each of their students instructors.
In the 1990's many schools included distance learning classrooms with their capitol projects. These rooms were very expensive, very complicated and were limited to a single user in a time frame. The displays in this proposal means Every classroom has distance learning capacity. With the addition of an inexpensive USB camera, a teacher can facilitate a video conference with a regional, national or international resource to expand student experiences. Additionally, each of the chromebooks is equipped with a video camera and microphone. Using Google Hangouts, the students could video conference with their instructors or their peers at their conveniences. Students helping students learn.

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."

Livingston Manor offers a diverse group of trainings to help the teachers utilize technology in their instructional efforts.
One of the strongest components is the use of Sue Zieres from SC BOCES who is scheduled regularly in the district to work one-to-one with faculty discussing offerings, apps, and information from Model Schools. She helps the teachers use tools in their instructional area rather than a one size fits all attempt. Additionally, Sue helps the staff develop content for the interactive
Other offerings include:
G Suite for beginners
This is an introduction and overview of Gmail, Google Calendar and Google Drive. Participants will learn how to easily utilize some of Google's most essential tools with their students.
G Suite for beginners Session 2
Introduction and overview of Gmail, Google Calendar, Google Hangouts, and Google Drive. Participants will learn how to easily utilize some of Google's most essential tools in their instructional efforts..
Additionally, Livingston Manor has offered Nearpodify. Nearpodify helps classroom teachers to transform their regular content into an interactive lesson where 100% of the students are engaged. Nearpodify helps the teachers harness the power of retrieval practice, forming lessons with interactive activities . Teachers access lessons from the Nearpod library that matches the NYS standard of their classrooms.

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.

SUNY Binghamton

9b. Enter the primary Institution phone number.

607 777 4169

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.

Dr. Candace Mulcahy

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
Interactive Whiteboards	SBID-7275 Smart Board 7075 Interactive Display with IQ and Smart Learning Suite	34	5,699.00	193,766.00
Interactive Whiteboards	LSM1U Large Fusion Micro-Adjustable Fixed Wall Display Mount	34	249.00	8,466.00
Laptop Computers	Chromebook Computers	330	290.00	95,700.00
Other Costs	Google licenses for Chromebooks	330	26.00	8,580.00
		728	**6,264.00**	**306,512**

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	443	0	443.00	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	202,232.00	0.00	202,232.00
Computer Servers	0.00	0.00	0.00
Desktop Computers	0.00	0.00	0.00
Laptop Computers	95,700.00	0.00	95,700.00
Tablet Computers	0.00	0.00	0.00
Other Costs	8,580.00	0.00	8,580.00
Totals:	**306,512.00**	**0**	**306,512**

Smart Schools Investment Plan - Revised - Safety and Security

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)
Totals:	**0.00**

Smart Schools Investment Plan - Revised - Safety and Security

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
		0	**0.00**	**0**

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)
Totals:	**0.00**

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.

Livingston Manor Central Schools believes that all students are more successful when they are learning in a safe, secure environment. The district plans to strengthen two of the components of their Safety and Security plan.
The first component is the video security system. While the district does have a system currently, the coverage has very limited coverage and storage capacity. Using the Smart Schools funds, the district hopes to cover a number of areas both indoors and on the exterior of the building. The district is particularly interested in the expanded capacity for storage. The new server will allow extended storage of all videos and even the capacity to archive specific events for future reference.
The second component is improved door security. The district will expand the number of doors that are controlled via swipe cards and key phobs. Key are occasionally loaned, shared, or misplaced. A misplaced or lost swipe card or key phob can immediately be disabled. Making the buildings more secure. Additionally, the system will record the usage of the swipe or phob. This is particularly valuable on weekends and while school is closed. First of all, the rights of the user can be limited while key usage can't be controlled. Additionally, the entry control system can be linked to the video system. If someone swipes to enter on a weekend, the video security system can record where and who comes through the doors. Someone who has unauthorized use of the phobwill be recorded. One other benefit is that other exterior doors that aren't normally used for entrances can be monitored for being blocked open. A door that is blocked open creates a vulnerability. Doors that are open can be monitored by the administation and supervision can respond before they allow unauthorized individuals to enter the building.

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
59-13-02-04-7-999-001
59-13-02-04-7-999-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
Matt Schools	40232

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
Electronic Security System	Day Automation: Network Video Server, 2U Rack Mount, 137 TB, and	1	29,960.00	29,960.00

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
	Academic Licensing, Includes application configuration services.			
Electronic Security System	APC: Smart-UPS X, 2000VA (1800W), 120Vac, 2U RM, w/Built-In AP9631 NMC	1	1,609.00	1,609.00
Electronic Security System	Day Automation: NVS Hardware Add-On Video Card	1	651.00	651.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for up to 24 camera channels	1	5,992.00	5,992.00
Electronic Security System	Avigilon: 5MP Int/Ext Pendant Dome, 4.3-8mm f/1.8, w/LC Tech, D/N, and Analytics	8	935.00	7,480.00
Electronic Security System	Day Automation: Exterior IP Camera Termination Kit	24	102.00	2,448.00
Electronic Security System	Avigilon: Wall mount bracket for use with H4A-DP pendant dome cameras	8	54.00	432.00
Electronic Security System	Avigilon: 16 MP (5K) Box, H.264 HD Pro w/LC Tech	1	6,713.00	6,713.00
Electronic Security System	Avigilon: Large Format Enclosure for HD IP Pro Cameras with 12VDC/24VAC Heater, Wall Bracket and Sunshield, Max combined camera and lens length is 12.8in (32.5 cm)	9	371.00	3,339.00
Electronic Security System	Avigilon: Optional PoE+ power module, Powers full camera enclosure features & camera with a single Ethernet connection	9	210.00	1,890.00
Electronic Security System	Avigilon: Reinforcing wall mount adapter for ES-HD-HWS-SM, ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG & ES-HD-CWS-LG	9	36.00	324.00
Electronic Security System	Avigilon: Single port Gigabit 802.3at PoE Plus injector, Class 4 - NA power cord	16	67.00	1,072.00
Electronic Security System	Avigilon: 8MP (4k) Box, H.264 HD Pro w/LC Tech	8	1,866.00	14,928.00
Electronic Security System	Avigilon: 3x 8MP, WDR, LightCatcher, 4mm, Camera Only	7	1,802.00	12,614.00
Electronic Security System	Avigilon: Outdoor Pendant Mount Adapter, must order (1) IRPTZ-MNT-WALL1 or -NPTA1 and (1) H4AMH-DO-COVR1	7	137.00	959.00

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: Clear Dome Bubble and Cover for Outdoor Surface or Pendant Mount	7	137.00	959.00
Electronic Security System	Avigilon: Pendant Wall Arm Adapter for use w/H4AMH-AD-PEND1 or H4 IRPTZ	7	85.00	595.00
Electronic Security System	Avigilon: Corner Mount Bracket	7	81.00	567.00
Electronic Security System	Avigilon: Canon, 50mm, f/1.2, Auto-Iris	5	2,982.00	14,910.00
Electronic Security System	Avigilon: Canon, 85mm, f/1.2, Auto-Iris	4	3,674.00	14,696.00
Electronic Security System	Comnet: 90/264 VAC SWITCHING MODE POWER SUPPLY, 240 WATT, DIN-RAIL MOUNTING, 4INx5INx5IN	1	318.00	318.00
Electronic Security System	Comnet: Hardened 2 Port 1000Mbps + 8 Port 100Mbps Managed Switch, Power Over Ethernet (PoE+ 30w), PS48VDC-10A recommended and sold seperately	1	1,511.00	1,511.00
Electronic Security System	Day Automation: CP for Pole Mount App, 18x16x8in N3R Heated Enc, 120Vac w/4 Receptacles	1	678.00	678.00
Electronic Security System	Corning: SINGLE PANEL HOUSING, WALL MNT, (6.3 x 5.5 x 2.0 in)	2	74.00	148.00
Electronic Security System	Corning: Closet Connector Housing (CCH) Panel, LC Adapters, Duplex, 6 F, 50 um multimode (OM2)	2	72.00	144.00
Electronic Security System	FIS: FIS Duplex 1.6mm MM 50um LC-LC 1 meter Patchcord	3	16.00	48.00
Electronic Security System	Comnet: Pluggable Module Small Form Factor MM 1000FX, 1320 nm, 2 km, 2 Fiber, LC	3	211.00	633.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for up to 1 camera channels	1	300.00	300.00
Electronic Security System	Avigilon: Large pole mount for ES-HD-HWS-SM, ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG & ES-HD-CWS-LG	2	143.00	286.00
Other Costs	Professional Services for Engineering/Programming/Proj Management/Checkout of Electronic Security System	1	18,669.00	18,669.00
Electronic Security System	Installation of Electronic Security System	1	48,625.00	48,625.00
Entry Control System	Avigilon: Enterprise Web-Based PACS	1	3,281.00	3,281.00

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
	Hardware Appliance for 16 Readers			
Entry Control System	Avigilon: 2-Reader Interface Module, 8 In, 4 Out, RS485 Out, 12-24 Vdc (Mercury EP1502)	3	1,034.00	3,102.00
Entry Control System	Day Automation: SAS CP, 24x24x9in N1 Enc HgC, 10A 24Vdc PS w/Battery Back-Up, 1 ACX/2 EMX/8 ACD's	4	812.00	3,248.00
Entry Control System	Avigilon: 2-Reader Interface Module, Mag or Wiegand, 8 In, 6 Rlys (Mercury MR52)	2	567.00	1,134.00
Entry Control System	Day Automation: CP for 1-Access Door, 16x19x6in N1 Enc HgC, 2.5A 24Vdc Power, Max 1-AC-1PLUS & CP-ADA-1 Power	1	511.00	511.00
Entry Control System	HID: iClass/multiClass SE R40/RP40 Reader, HID Prox, Legacy, Wiegand, Black	10	252.00	2,520.00
Entry Control System	Day Automation: 1 in. Recessed Door Contact with 2k Ohm Embedded Resistors, Wide-Gap, N.C. Loop	12	20.00	240.00
Entry Control System	Bosch: Passive Infrared REX, 12-30Vdc @ 26mA, Surface Mount, Form C Contacts	2	61.00	122.00
Entry Control System	Bosch: Trim Plate for Mounting DS160 REX	2	1.00	2.00
Entry Control System	Functional Devices: RIB Relay, 10 Amp, SPDT, 10-30 Vac/dc/120 Vac Coil	2	15.00	30.00
Entry Control System	Day Automation: 1 in. Recessed Door Contact, Wide-Gap, N.C. Loop	5	14.00	70.00
Entry Control System	Avigilon: 16 Zone Input Module with 2 Relay Outputs (Mercury MR16IN)	2	642.00	1,284.00
Entry Control System	Avigilon: 2-Reader Interface Module, 2 In, 2 Out, RS485 Out, 12 Vdc/PoE (Mercury EP1501)	2	533.00	1,066.00
Entry Control System	Avigilon: Badging Application Software License, 1 per Appliance	1	746.00	746.00
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	HID: Fargo Cleaning Kit for DTC Printers	2	44.00	88.00

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	HID: Fargo YMCKOK Ribbon, 200 prints	3	80.00	240.00
Entry Control System	HID: Fargo DTC4250e Dual Sided Badge Printer	1	3,100.00	3,100.00
Entry Control System	Microsoft: LifeCam Studio 1080p HD Webcam, for Badging	1	79.00	79.00
Entry Control System	HID: IsoProx II Cards, PVC, Prog, White, Seq Matching Int/Ext Inkjetted, NSP, 26b, 100-pack	2	501.00	1,002.00
Entry Control System	Day Automation: Interior IP Camera Termination Kit	4	29.00	116.00
Entry Control System	Avigilon: Single port Gigabit 802.3at PoE Plus injector, Class 4 - NA power cord	4	67.00	268.00
Entry Control System	Advanced Network Devices: IP Extra Large Signboard with Flashers, 2-way Audio, PoE/SIP, 51.92in long overall, SS construction, Includes Enclosure	4	1,816.00	7,264.00
Entry Control System	Day Automation: Power Panel for Exterior Strobe Light w/Network Connection	2	681.00	1,362.00
Entry Control System	Day Automation: Exterior Blue Strobe Light, Optional Horn	5	128.00	640.00
Entry Control System	Day Automation: Security Lockdown Kit, Button with Shield, Back Box, Adapter, and Lockdown Label	4	496.00	1,984.00
Entry Control System	Avigilon: REST Connectivity Software License	2	746.00	1,492.00
Entry Control System	Singlewire: InformaCast Advanced Notification - Endpoint Licensing - 250 License Bundle (includes first 90 Days of maintenance)	1	8,910.00	8,910.00
Entry Control System	Shure: Dual Impedance Desktop Dynamic Microphone, Cardoid Polar Pattern, Tailored Frequency Response	1	246.00	246.00
Entry Control System	Advanced Network Devices: Zone Controller, IP Endpoint with Analog Audio Out, Local Mic Input, GPIO Trigger Capabilities, PoE/SIP	1	624.00	624.00
Entry Control System	Singlewire: InformaCast Paging Gateway Plugin (One Per InformaCast Server)	1	985.00	985.00

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
Other Costs	Professional Services for Engineering/Programming/Proj Management/Checkout of Entry Control System	1	30,001.00	30,001.00
Entry Control System	Installation Entry Control System Hardware	1	37,500.00	37,500.00
Entry Control System	Construction Contingency	1	4,100.00	4,100.00
		249	**226,734.00**	**310,886**

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	174,829.00
Entry Control System	87,387.00
Approved Door Hardening Project	0.00
Other Costs	48,670.00
Totals:	**310,886.00**