

## Smart Schools Investment Plan - 2016-17 Version (Original) - Remsen SSIP #1

## SSIP Overview

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.

607-654-3858

- 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. Each box must be checked prior to submitting your Smart Schools Investment Plan.

Parents

Teachers

Students

Community members

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

Yes

No

N/A

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

The district developed and the school board approved a preliminary Smart Schools Investment Plan.

The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.

The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have 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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SSIP Overview

- 5a. 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.

Remsen Presentation Revised 2.pdf

- 5b. 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.remsencsd.org/page/1342

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

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

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

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

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

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

(No Response)

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

\$601,180

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

	Sub-Allocations
School Connectivity	238,500
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	362,538
<b>Totals:</b>	<b>601,038</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.

Remsen Central Schools has created a comprehensive plan combining multiple resources to provide their students with a robust network that supports a learning environment with no limits or boundaries. Remsen has gigabit bandwidth to support the education of their students. This exceeds the FCC standard by a factor of 20 times. They also have a plan for providing each individual with a personal device through alternative funding sources. They have a plan to upgrade their network switches and wireless access points utilizing federal category 2 Erate funds. Remsen's Smart Schools Investment Plan completes that task. The district plans to replace the 10 year old fiber and generations old network cables with new generation fiber optic cable and dual Cat 6A cables to their wireless access points. This will provide a robust, seamless network for the students of Remsen.

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

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

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	443	44,300	44.3	1000	(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.

The final component in the Remsen Technology Plan to provide their students with a seamless learning environment. They have plans for acquiring the devices and upgrading the switches and wireless access points. Remsen plans to use the Smart Schools Funds to upgrade the outdated fiber optic cable that not only connects their two buildings but also connects the multiple wiring cabinets internal to the buildings. The new fiber will connect the new switches that will allow the users to take full advantage of the district's 1 gigabyte bandwidth to the "cloud." They will also use these funds to upgrade the cables that connect their wireless access points. These units are critical to their plan to issue students personal devices. They have worked with Oneida Herkimer BOCES to identify the spaces and potential load and plan appropriate wireless coverage for those areas. The new cables will allow these units to operate at the peak capacity.

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School Connectivity

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

Remsen's Technology Plan establishes a goal of establishing a one-to-one learning environment using personal devices that are appropriate for each age group. Remsen is a rural school district that wants to provide their students with access to the myriad of resources that might not be available in Remsen through traditional sources. Using the digital world, the students of Remsen will be able to access Museums, universities and cutting edge technology not only nationwide, but world wide. These devices will have the capacity to video conference with primary sources anywhere in the world. The students of Remsen will have finger tip access to the same resources as a student in Albany, Long Island, or New York City. Remsen has adopted an annual budget that includes funding to acquire these devices through BOCES COSER financing. The budget is also planned to acquire these devices over multiple years creating a replacement schedule.

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.

Remsen Central Schools has a strong relationship with the technology resources from Oneida Herkimer BOCES and the Madison Oneida Regional Information Center. Over the last 18 months, the design teams from these two organizations have been working with the leadership of the district to quantify the wireless requirements of each classroom, public space, and Media Center. The comprehensive plan provides for a strong physical and wireless network that will provide appropriate capacity to meet the district demands for several years.

6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects. Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
41-17-01-04-7-999-001

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

Was your project deemed eligible for streamlined review?

No

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

Name	License Number
Kerry Tarolli	37554

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

	Sub-Allocation
Network/Access Costs	0
Outside Plant Costs	0
School Internal Connections and Components	238,500
Professional Services	

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School Connectivity

	Sub- Allocation
	0
Testing	0
Other Upfront Costs	0
Other Costs	0
<b>Totals:</b>	<b>238,500</b>

10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).  
**NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.**  
**Add rows under each sub-category for additional items, as needed.**

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	Installation and upgrade of all internal fiber and Fiber connection between buildings	12,250	10	122,500
Connections/Components	Installation of Cat 6A network cables to wireless access points	232	500	116,000

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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. 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</b>

7. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Add rows under each sub-category for additional items, as needed.

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

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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.

2. Connectivity Speed Calculator (Required)

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

- 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?")

(No Response)

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

(No Response)

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

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

(No Response)

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

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

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

(No Response)

- 9b. Enter the primary Institution phone number.

(No Response)

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

(No Response)

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

Are there nonpublic schools within your school district?

- Yes  
 No

11. Nonpublic Classroom Technology Loan Calculator



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Classroom Learning Technology

The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of \$250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.

See:

[http://www.p12.nysed.gov/mgtserv/smart\\_schools/docs/Smart\\_Schools\\_Bond\\_Act\\_Guidance\\_04.27.15\\_Final.pdf](http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf).

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

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

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

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

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

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

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

15. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

**NOTE:** Wireless Access Points that will be loaned/purchased for nonpublic schools should ONLY be included in this category, not under School Connectivity, where public school districts would list them.

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Classroom Learning Technology

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Add rows under each sub-category for additional items, as needed.

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

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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 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. 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</b>

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov). Add rows under each sub-category for additional items, as needed.

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Pre-Kindergarten Classrooms

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

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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. 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</b>

5. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov). Add rows under each sub-category for additional items, as needed.

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

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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.**

Remsen Central Schools has a two component plan to upgrade the security in the two buildings in the district and provide a safe and secure environment for the students.

Part 1 is Door Security. Remsen has, for many years, had strong door security on the main entrances of both their buildings. This included camera/airphones and key fob entry. The issue identified during the planning process is that this security is focused on the main entrance. There are numerous other entries in each building. The first component to this plan is that all of the employees will receive photo identification badges with magnetic strips installed. These cards will be able to be "swiped" on sensors on several doors at each buildings. A record will be created stating who entered where and when. No more anonymous master keys. The new Door Security plan provides upgraded camera Airphones on the main entrances.

This door will also include door swipe capacity. All employees arriving at the building will have the capacity to unlock and enter the building during the times that they are authorized. Additionally, all remaining exterior doors will be equipped with contact strips. If the door is opened for any reason, a record of the time and date that the door is opened is recorded and the video security system will record anyone who enters.

Part 2 is an expanded video security system. The district will replace the antiquated analog security system with high resolution digital cameras, with power over Ethernet capacity. There will be more cameras covering an expanded portion of the campus both interior and exterior. The recording servers will be upgraded to provide adequate capacity to record 30 days of normal activity as well as storage capacity for incidents or events that may need to be archived.

**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
41-17-01-04-7-999-001

**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
Kerry Tarolli	37554

**5. If you have made an allocation for High-Tech Security Features, complete this table.**

**Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0
Electronic Security System	108,061
Entry Control System	69,422
Approved Door Hardening Project	0
Other Costs	185,055
<b>Totals:</b>	<b>362,538</b>

**6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond**

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## High-Tech Security Features

eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Add rows under each sub-category for additional items, as needed.

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	12.0H4F-D01-IR 12.0 MP, Fisheye Camera, Day/Night, 1.45mm f/2.2, Integrated IR	15.00	972	14,580
Electronic Security System	2.0C-H4A-B2 2.0 Megapixel (1080p) WDR, LightCatcher, Day/Night, 3-9mm f/1.3 P-iris lens, Self-Learning Video Analytics	1.00	720	720
Electronic Security System	3.0C-H4A-BO1-IR 3.0 Megapixel WDR, LightCatcher, 3-9mm f/1.3 P-iris lens, Integrated IR, Self-Learning Video Analytics	9.00	932	8,388
Electronic Security System	3.0C-H4A-BO2-IR 3.0 Megapixel WDR, LightCatcher, 9-22mm f/1.6 P-iris lens, Integrated IR, Self-Learning Video Analytics	3.00	967	2,901
Electronic Security System	3.0 Megapixel WDR, LightCatcher, Day/Night, Indoor Dome, 3-9mm f/1.3 P-iris lens, Self-Learning Video Analytics3.0C-H4A-D1	3.00	751	2,253
Electronic Security System	C6-4P-WJBB-03-B-OR 3' Cat 6 Copper Stranded Patch Cable - Orange - Booted, Snagless	44.00	5	220
Electronic Security System	8L-H4PRO-B 4K (8 MP) H.264 HD Pro with LightCatcher Technology	6.00	1,876	11,256
Electronic Security System	5.0L-H4A-D1 5.0 Megapixel, LightCatcher, 4.3-8mm f/1.8 P-iris lens, Indoor Dome, Self-Learning Video Analytics	3.00	860	2,580
Electronic Security System	5.0 Megapixel, LightCatcher, 4.3-8mm f/1.8 P-iris lens, Integrated IR, Self-Learning Video Analytics5.0L-H4A-BO1-IR	3.00	1,039	3,117
Electronic Security System	16L-H4PRO-B 5K (16 MP) H.264 HD Pro with LightCatcher Technology	2.00	6,750	13,500
Electronic Security System	1C-ACC5-ENT ACC 5 Enterprise license for up to 1 camera channels and unlimited viewing clients	80.00	302	24,160
Electronic Security System	DAY-CAMKIT-2 Exterior IP Camera Termination Kit	23.00	98	2,254

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## High-Tech Security Features

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Electronic Security System	DAY-CAMKIT-1 Interior IP Camera Termination Kit	21.00	27	567
Electronic Security System	H4-BO-JBOX1 Junction box for the H4A-BO-IR HD Bullet Cameras	15.00	81	1,215
Electronic Security System	ES-HD-HWS-LG Large Format Enclosure for HD IP Pro Cameras with 12VDC/24VAC Heater, Wall Bracket and Sunshield, Max combined camera and lens length is 12.8" (32.5 cm)	8.00	374	2,992
Electronic Security System	ES-HD-IPM Optional PoE+ power module, Powers full camera enclosure features & camera with a single Ethernet connection	8.00	211	1,688
Electronic Security System	HD-NVR3-ANK1-1 Rack Mount NVR Hardware Add-On Kit	3.00	840	2,520
Electronic Security System	ES-HD-MNT-PLATE Reinforcing wall mount adapter for ES-HD-HWS-SM, ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG & ES-HD-CWS-LG	9.00	36	324
Electronic Security System	LEFS183518SI Sigma, 18-35mm, f/1.8, Auto-Iris, Vari Focal	8.00	1,494	11,952
Entry Control System	086177 Fargo Cleaning Kit for DTC Printers	1.00	32	32
Entry Control System	2020BGGMHM-26b (100-pack) iClass/Prox Cards, PVC, 2kb, Prog, White, Seq Matching Int/Ext Inkjetted, HSP, 26b, 100-pack	3.00	852	2,556
Entry Control System	45110 Fargo YMCKOK Ribbon, 200 prints	1.00	80	80
Entry Control System	52100 Fargo DTC4250e Dual Sided Badge Printer	1.00	3,119	3,119
Entry Control System	620-060 6601UT Tripod with 3-Way Pan/Tilt Head (Quick Release) - Supports 4.4 lb (2 kg)	1.00	27	27
Entry Control System	920PTNNEK00000 iClass/multiClass SE R40/RP40 Reader, HID Prox, Legacy, Wiegand, Black	18.00	254	4,572
Entry Control System	AC-MER-CON-MR16IN 16 Zone Input Module with 2 Relay Outputs	3.00	645	1,935
Entry Control System	AC-MER-CON-MR52 2-Reader Interface Module, Mag or Wiegand, 8 In, 6 Rlys (Mercury MR52)	9.00	570	5,130



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## High-Tech Security Features

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Entry Control System	AC-MER-CONT-1DR 2-Reader Interface Module, 2 In, 2 Out, RS485 Out, 12 Vdc/PoE (Mercury MR1501)	4.00	536	2,144
Entry Control System	AC-MER-CONT-2DR 2-Reader Interface Module, 8 In, 4 Out, RS485 Out, 12-24 Vdc (Mercury MR1502)	7.00	1,040	7,280
Entry Control System	AC-SW-BDGE Badging Application Software License, 1 per Appliance	1.00	750	750
Entry Control System	AX-084C CENTRAL EXCHANGE UNIT	2.00	1,131	2,262
Entry Control System	AX-8MV AUDIO VIDEO MASTER STATION FOR AX SERIES	4.00	800	3,200
Entry Control System	AX-DV VANDAL SURFACE DOOR STATION, VIDEO & AUDIO	2.00	352	704
Entry Control System	CP-AC-2 CP for 1-Access Door, 16	1.00	490	490
Entry Control System	CP-ACX-1 Access/HVAC CP, 24	10.00	780	7,800
Entry Control System	DAY-ESKIT-3 Flush Mount Electric Strike Kit for Cylindrical and Mortise Locksets	9.00	463	4,167
Entry Control System	DAY505AUTMC/ST036-DBD 3 in. Track Mount Contact, Wide-Gap w/ 3 ft. Armor Cable & 2k Ohm Embedded Resistors, N.C. Loop	13.00	54	702
Entry Control System	DAY78G/ST-A 1 in. Recessed Door Contact, Wide-Gap, N.C. Loop	33.00	13	429
Electronic Security System	DAY78G/ST-DBD 1 in. Recessed Door Contact with 2k Ohm Embedded Resistors, Wide-Gap, N.C. Loop	46.00	19	874
Entry Control System	DS160 PASSIVE INFRARED REX, 12 TO 30VDC, 26MA, SURFACE MOUNT, FORM C CONTACTS	18.00	62	1,116
Entry Control System	MCW-S/A DESK MOUNT STAND FOR AIPHONE INTERCOM VIDEO MONITORS	4.00	29	116
Entry Control System	PS-2420UL INTERCOM POWER SUPPLY	4.00	102	408
Entry Control System	QEL 99-EO 3' US26 Polished Chrome Rim Exit Device w/Quiet Electric Latch Retraction for 32-36 Doors	9.00	1,800	16,200
Entry Control System	RIBU1C RIB Rly, 10 Amp, SPDT, 10-30 Vac/dc/120 Vac Coil	18.00	15	270

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## High-Tech Security Features

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Entry Control System	SBX-AXDV30 STAINLESS STEEL 30 DEGREE ANGLE BOX FOR AX-DV DOOR STATIONS	2.00	92	184
Entry Control System	AC-APP-32R-ENT2 Enterprise Web-Based PACS Hardware Appliance for 32 Readers	1.00	3,749	3,749
Other Costs	Day automation system configuration and activation	519.00	115	59,685
Other Costs	Contractor to wire cameras and mount cameras district wide	1,393.00	90	125,370

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PPU Report

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