Smart Schools Investment Plan - Revised - SSIP2016002-Amendment 1

SSIP Overview

Institution ID
800000039764

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

Galit Price

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

845-628-3415 x 13902

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

priceg@mahopac.org

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.

Amended 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

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

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

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.

Mahopac CSD SSBA Investment Plan 112018.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.mahopac.k12.ny.us/groups/11083/technology/home

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.

4,600

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:

$3,181,109

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	4,486	53	4,539.00	1.17

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	-246,065.80	-246,065.80	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	1,457,604.00	1,457,604.00	0.00
Nonpublic Loan	0.00	0.00	0.00
Totals:			

SSIP Overview

	Sub-Allocations	Expenditure Totals	Difference
	1,211,538	**1,211,538**	**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.

The District purchased approximately 145 Aruba Wireless Access Points, supporting Cisco Switches and peripherals in order to replace/upgrade the Wireless Network in the High School Building. In addition, the District increased throughput between the infrastructure closets throughout the District, from 1GB to 10GB port capabilities to support the projected increase of network traffic and end-user devices. The District replaced and extended the network capabilities to areas throughout the District that needed this connectivity in order to maximize the use of instructional space.

The District was able to purchase some items from district funds prior to the original SSBA being approved. Due to price reduction and purchased items and quantities being less that originally projected, the district is looking to reallocate the remaining funds in the SSBA.

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
48-01-01-06-7-999-BA1

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

Was your project deemed eligible for streamlined review?

Yes

7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

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

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

Name	License Number
Garrett Hamlin	30484

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
Outside Plant Costs	Aruba AP-275 Outdoor Wireless Access Point, 802.11ac	20	-778.05	-15,561.00

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Outside Plant Costs	30W 802.3at Outdoor PoE midspan injector, 12-24V DC in, 10/100/1000BASE-T Ethernet, Surge Protected	20	-189.75	-3,795.00
Network/Access Costs	Aruba AP-325 Wireless Access Point, 802.11n/ac	-125	837.00	-104,625.00
Network/Access Costs	Aruba Access Point Mount Kit	-120	45.00	-5,400.00
Network/Access Costs	Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	20	-1,248.43	-24,968.60
Network/Access Costs	Cisco Catalyst 3850 12 Port 10G Fiber Switch IP Services	3	-1,952.91	-5,858.73
Network/Access Costs	Cisco Catalyst 3850 48 Port UPOE IP Services	13	-3,838.15	-49,895.95
Connections/Components	Catalyst 2960-X FlexStack Plus Stacking Module	20	-36.49	-729.80
Connections/Components	Cisco Catalyst 3850 4 x 10GE Network Module	13	-756.00	-9,828.00
Connections/Components	Catalyst 3750X and 3850 Stack Power Cable 150 CM	15	-18.91	-283.65
Connections/Components	Cisco Bladeswitch 1M stack cable	5	-37.90	-189.50
Connections/Components	Cisco Bladeswitch 3M stack cable	3	-56.51	-169.53
Connections/Components	1100W AC Config 1 Secondary Power Supply	13	-283.75	-3,688.75
Connections/Components	350W AC Config 1 SecondaryPower Supply	3	-94.58	-283.74
Connections/Components	10GBASE-LR SFP Module	8	-755.04	-6,040.32
Connections/Components	10GBASE-LRM SFP Module	74	-188.05	-13,915.70
Connections/Components	10GBASE-CU SFP+ Cable 1 Meter	8	-18.90	-151.20
Connections/Components	10GBASE-CU SFP+ Cable 5 Meter	4	-28.47	-113.88
Connections/Components	1M Type 1 Stacking Cable	15	-37.83	-567.45
		12	**-9,437.72**	**-246,066**

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	4,486	53	4,539.00	1.17

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
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	-190,748.28
Outside Plant Costs	-19,356.00
School Internal Connections and Components	-35,961.52
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**-246,065.80**

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	-246,065.80
Totals:	**-246,066**

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
		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.

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

(No Response)

4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.
Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

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

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

(No Response)

6. Describe how the proposed technology purchases will:

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

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

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
		0	**0.00**	**0**

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	4,486	53	4,539.00	1.17

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
Totals:	**0.00**	**0**	**0**

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**

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.

Mahopac's technology plan identifies expansions and enhancements that are needed in the Districts security system. Using some of the allocated SSBA funds, we were able to upgrade some of the IT infrastructure that was approaching end-of-life and was needed to be upgraded to be able to accommodate the rapid growth of instructional technology needs in the classroom and the District. In conjunction with the infrastructure upgrade, the end-user devices are enhancing and expanding the offering of instructional technology based on the needs of the students for classroom instruction districtwide. At this point, the District would like to allocate the remaining Smart School Bond Act funds to the physical security project.
The proposed District plan is to enhance and expand our video surveillance, install a unified access control system as well as intrusion protection mechanisms. The Districts antiquated Video Surveillance System has roughly 300 cameras located throughout the District-owned buildings. However, there have been areas identified that could use additional coverage including exterior locations and common areas. The Districts current Access Control system is antiquated and does not cover the entire District since it is only located in the High School. The proposed Access Control and Intrusion Detection system will be installed in all school buildings and will be integrated with the video surveillance system.

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
48-01-01-06-7-999-001

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
Garrett Hamlin	30484

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	Professional Services for Engineering/Programming/Proj Management/Checkout	1	115,139.00	115,139.00
Electronic Security System	Avigilon: 3MP Int Surface Dome, 3-9mm f/1.3, w/WDR, LC Tech, D/N, and Analytics	84	627.00	52,668.00
Electronic Security System	Day Automation: Interior IP Camera Termination Kit	84	29.00	2,436.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for	291	252.00	73,332.00

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
	up to 1 camera channels			
Electronic Security System	Comnet: Ethernet Media Converter, 10/ 100/ 1000 Mbps, DC Plug-In PS, SFP Dependent	4	732.00	2,928.00
Electronic Security System	Installation	1	277,313.00	277,313.00
Electronic Security System	Avigilon: 3MP Ext Surface Dome w/ IR, 3-9mm f/ 1.3, w/ WDR, LC Tech, D/ N, and Analytics	21	777.00	16,317.00
Electronic Security System	Day Automation: Exterior IP Camera Termination Kit	71	103.00	7,313.00
Electronic Security System	Avigilon: 5MP Ext Surface Dome w/ IR, 4.3-8mm f/ 1.8, w/ LC Tech, D/ N, and Analytics	3	867.00	2,601.00
Electronic Security System	Avigilon: Junction box for the H4A-BO-IR HD Bullet Cameras	31	68.00	2,108.00
Electronic Security System	Avigilon: 8MP (4k) Int/ Ext Bullet w/ IR, 4.3-8mm f/ 1.8, w/ D/ N and Analytics	19	1,126.00	21,394.00
Electronic Security System	Avigilon: 2MP H4 IR PTZ with Wiper 30X, Self-learning analytics, IK10, IP66, 250m IR	5	2,644.00	13,220.00
Electronic Security System	Avigilon: Pendant Wall Arm Adapter for use w/ H4AMH-AD-PEND1 or H4 IRPTZ	5	72.00	360.00
Electronic Security System	Avigilon: Single Port PoE Injector Gigabit, 95W, for H4IR PTZ, Indoor Install, Temp Range 14-113 deg F	5	300.00	1,500.00
Electronic Security System	Avigilon: Corner Mount Bracket	5	68.00	340.00
Electronic Security System	Avigilon: 5MP Int/ Ext Bullet w/ IR, 4.3-8mm f/ 1.8, w/ LC Tech, D/ N, and Analytics	7	867.00	6,069.00
Electronic Security System	Avigilon: 5MP Int/ Ext Bullet w/ IR, 9-22mm f/ 1.6, w/ LC Tech, D/ N, and Analytics	1	897.00	897.00
Electronic Security System	Avigilon: 3MP Int/ Ext Bullet w/ IR, 3-9mm f/ 1.3, w/ WDR, LC Tech, and Analytics	1	777.00	777.00
Electronic Security System	Avigilon: 3MP Int/ Ext Bullet w/ IR, 9-22mm f/ 1.6, w/ WDR, LC Tech, and Analytics	3	807.00	2,421.00
Electronic Security System	Avigilon: Reinforcing wall mount adapter for ES-HD-HWS-SM, ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG	11	30.00	330.00

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
	& ES-HD-CWS-LG			
Electronic Security System	Avigilon: Sigma, 18-35mm, f/ 1.8, Auto- Iris, Vari Focal	7	1,246.00	8,722.00
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)	11	312.00	3,432.00
Electronic Security System	Avigilon: 8MP (4k) Box, H.264 HD Pro w/ LC Tech	2	1,564.00	3,128.00
Electronic Security System	Avigilon: Single port Gigabit 802.3at PoE Plus injector, Class 4 - NA power cord	11	57.00	627.00
Electronic Security System	Avigilon: Optional PoE+ power module, Powers full camera enclosure features & camera with a single Ethernet connection	11	177.00	1,947.00
Electronic Security System	Avigilon: Canon, 85mm, f/ 1.2, Auto-Iris	4	3,079.00	12,316.00
Electronic Security System	Avigilon: Single Port PoE Injector Gigabit, 60W, for H4IR PTZ, Indoor Install, Temp Range 14-113 deg F	41	113.00	4,633.00
Electronic Security System	Raytec: VARIO2 IP PoE w8 Illuminator, White Light, Single Panel, PoE or 24 Vdc, 10, 35, and 60 deg	41	947.00	38,827.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for up to 4 camera channels	7	867.00	6,069.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for up to 8 camera channels	4	1,718.00	6,872.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for up to 16 camera channels	3	3,372.00	10,116.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for up to 24 camera channels	2	5,022.00	10,044.00
Electronic Security System	Day Automation: Network Video Server, 2U Rack Mount, 54 TB, and Academic Licensing, Includes application configuration services.	6	13,642.00	81,852.00
Electronic Security System	APC: Smart-UPS X, 2000VA (1800W), 120Vac, 2U RM, w/ Built-In AP9631 NMC	6	1,610.00	9,660.00
Electronic Security System	Avigilon: Network Card DP 10G-SFP+	6	586.00	3,516.00
Electronic Security System	Avigilon: SFP+ 10GBASE-SR Optical	12	223.00	2,676.00

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
	Transceiver, Singlemode			
Electronic Security System	Cisco: 10GBASE-SR SFP Module, Multimode, Short Range, LC	12	667.00	8,004.00
Electronic Security System	FIS: FIS Duplex 1.6mm MM 50um LC-LC 10 meter Patchcord	12	24.00	288.00
Electronic Security System	Avigilon: 16 MP (5K) Box, H.264 HD Pro w/ LC Tech	9	5,626.00	50,634.00
Electronic Security System	Comnet: Hardened 2 Port 1000Mbps + 8 Port 100Mbps Managed Switch, Power Over Ethernet (PoE+ 30w), PS48VDC-10A recommended and sold seperately	4	1,511.00	6,044.00
Electronic Security System	Comnet: 48VDC 480Watt (10A) DIN Rail High Temp Power Supply (-40C to +71C With -40C Start-Up) For PoE Applications. Screw Terminals.	4	581.00	2,324.00
Electronic Security System	Comnet: Small Form Factor Plugable SFP Module, 1000fx, 1310nm, 15km, LC, 2 SM Fiber, MSA Compliant	8	104.00	832.00
Electronic Security System	FIS: 3 Meter, 3mm Duplex Cable-Multimode 62.5/ 125um-SC/ PC-SC/ PC	8	17.00	136.00
Electronic Security System	Corning: FIBER OPTIC CLOSET CONN. HOUSING, 1U RACK MNT SPACE	4	243.00	972.00
Electronic Security System	Corning: Closet Connector Housing Panel, (6) SC 62.5 Multimode Fiber Ports	11	56.00	616.00
Electronic Security System	Comnet: 19 in. RACK MOUNT CAGE, 14 CARDS, 90-264 VAC INPUT INCL. US PS & CORD.	2	668.00	1,336.00
Electronic Security System	Comnet: 3 SLOT BLANK PLATE FOR C1-US CARD CAGE	8	21.00	168.00
Electronic Security System	Day Automation: CP for Pole Mount App, 20x16x11in N4 Heated Enc, 120Vac w/ 4 Receptacles	1	1,184.00	1,184.00
Electronic Security System	Corning: SINGLE PANEL HOUSING, WALL MNT, (6.3 x 5.5 x 2.0 in)	1	74.00	74.00
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	4	120.00	480.00
Electronic Security System	APC: Smart-UPS 3000 LCD	6	1,418.00	8,508.00

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	Professional Services for Engineering/ Programming/ Proj Management/ Checkout	1	120,984.00	120,984.00
Entry Control System	Installation	1	280,865.00	280,865.00
Entry Control System	Day Automation: 1 in. Recessed Door Contact with 2k Ohm Embedded Resistors, Wide-Gap, N.C. Loop	153	21.00	3,213.00
Entry Control System	Day Automation: 1 in. Recessed Door Contact, Wide-Gap, N.C. Loop	83	14.00	1,162.00
Entry Control System	Day Automation: 1 in. Recessed Door Contact with 2k Ohm Embedded Resistors & 2nd Reed, Wide-Gap, N.C. Loop	25	42.00	1,050.00
Entry Control System	Day Automation: 1 in. Recessed Door Contact with Second Reed, Wide-Gap, N.C. Loop	18	35.00	630.00
Entry Control System	Day Automation: 3 in. Track Mount Contact, Wide-Gap w/ 3 ft. Armor Cable, N.C. Loop	5	51.00	255.00
Entry Control System	Bosch: DUAL BATTERY HARNESS FOR BOSCH G SERIES	5	8.00	40.00
Entry Control System	Bosch: Intrusion Detection Control Panel, PC Board Only, Replacement for B series	5	486.00	2,430.00
Entry Control System	Bosch: REMOTE PROGRAMMING SOFTWARE LITE KIT FOR BOSCH INTRUSION PANELS, CD & USB-KEY	5	344.00	1,720.00
Entry Control System	Bosch: 8 Relay Module for SDI2, Form C, 1 A @ 5-24 Vdc, Modular Interconnect	40	84.00	3,360.00
Entry Control System	Dsc Security: 16.5 VAC 40 VA 2.5 A Plug-In Transformer	5	11.00	55.00
Entry Control System	Bosch: Plug-In Telephone Communicator	5	38.00	190.00
Entry Control System	Revere Industries: UL RJ31X Block and Cable Kit	5	3.00	15.00
Entry Control System	Bosch: SDI2 Poppit Module for B9500G Panels	10	58.00	580.00
Entry Control System	Powersonic: 12 Vdc 7 AH Battery	10	23.00	230.00
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	13	812.00	10,556.00

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	Bosch: Octo-Input Module, SDI2 Bus, 1000 ft. Max on 4C 18 AWG	37	76.00	2,812.00
Entry Control System	Bosch: ATM Style Alpha-Numeric Keypad, SDI2 Bus, 80 mA In-Alarm (req. V2.00 G-Series Panel)	7	133.00	931.00
Entry Control System	Bosch: CEILING MOUNT PIR MOTION DETECTOR 60FT.	65	91.00	5,915.00
Entry Control System	Avigilon: 2-Reader Interface Module, 2 In, 2 Out, RS485 Out, 12 Vdc/ PoE (Mercury EP1501)	19	447.00	8,493.00
Entry Control System	Day Automation: CP for 1-Access Door, 12x12x6in N1 SC Enc w/ Perf BP, Requires Remote PS, Max 1-AC-1A or -1Plus	18	172.00	3,096.00
Entry Control System	HID: iClass/ multiClass SE R15/ RP15 Reader, HID Prox, Legacy, Wiegand, Black	25	253.00	6,325.00
Entry Control System	Bosch: Passive Infrared REX, 12-30Vdc @ 26mA, Surface Mount, Form C Contacts	25	62.00	1,550.00
Entry Control System	Bosch: Trim Plate for Mounting DS160 REX	25	2.00	50.00
Entry Control System	Functional Devices: RIB Relay, 10 Amp, SPDT, 10-30 Vac/ dc/ 120 Vac Coil	25	15.00	375.00
Entry Control System	Axis: A8004-VE IP Video Door Station, 2-way Communication w/ Remote Entry Control	7	1,212.00	8,484.00
Entry Control System	Day Automation: Ethernet Web Enabled Relay Kit that interfaces with Security and Building Automation Systems. Includes relay and programming of relay.	11	453.00	4,983.00
Entry Control System	Avigilon: 2-Reader Interface Module, 8 In, 4 Out, RS485 Out, 12-24 Vdc (Mercury EP1502)	7	867.00	6,069.00
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	7	511.00	3,577.00
Entry Control System	Day Automation: SAS CP, 12x12x6in N1 SC Enc, Max 1-ADA Door, Adj Time Delays for Int & Ext ADA	18	423.00	7,614.00

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
	Equipment			
Entry Control System	Avigilon: ACM (v5.8 & later) per panel License for Bosch Intrusion Panel Integration	5	244.00	1,220.00
Entry Control System	Day Automation: Complete K12 VMS, includes WS, Licensing, Maintenance, Sign Pad, Camera, Printer, Badges, Scanner, USB Hub, and SOS (No Integration)	5	7,520.00	37,600.00
Entry Control System	Avigilon: Badging Application Software License, 1 per Appliance	1	625.00	625.00
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	1	44.00	44.00
Entry Control System	HID: Fargo YMCKOK Ribbon, 200 prints	1	80.00	80.00
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	Avigilon: Enterprise Web-Based PACS Virtual Appliance for 128 readers (Accessories Included)	1	6,250.00	6,250.00
Entry Control System	Day Automation: Video WS Lite, 8 Live Streams Max (1080p), (2) 22in LED Monitors, and UPS	1	3,200.00	3,200.00
Entry Control System	Avigilon: LDAP Directory Connectivity Software License, Required for Directory Integration	1	1,875.00	1,875.00
Entry Control System	Avigilon: Access Control Manager License for Video Integration for Avigilon (per Appliance)	1	0.00	0.00
Entry Control System	Avigilon: 16 Reader Count Software License Upgrade	4	625.00	2,500.00
Entry Control System	Singlewire: InformaCast Mobile - 1 Year Subscription - TIER 1	250	5.00	1,250.00
Entry Control System	Singlewire: One-Time Provisioning Fee - Tier 1	1	495.00	495.00
Entry Control System	Avigilon: 16 Zone Input Module with 2 Relay Outputs (Mercury MR16IN)	1	538.00	538.00

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	Avigilon: 16 Relay Output Module (Mercury MR16OUT)	1	538.00	538.00
Entry Control System	Advanced Network Devices: Zone Controller, IP Endpoint with Analog Audio Out, Local Mic Input, GPIO Trigger Capabilities, PoE/ SIP	6	625.00	3,750.00
Entry Control System	Singlewire: InformaCast Advanced Notification - Endpoint Licensing - 250 License Bundle (includes first 90 Days of maintenance)	2	8,910.00	17,820.00
Entry Control System	Singlewire: 1 Year Maintenance - Per Endpoint License - TIER B (Qty 250 - 950)	500	7.00	3,500.00
		2,391	**893,731.00**	**1,457,604**

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)	(No Response)
Electronic Security System	885,500.00
Entry Control System	572,104.00
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	**1,457,604.00**

Smart Schools Investment Plan - Revised - SSIP2016002-Amendment 1

Non-Public Schools

1. Describe your plan to utilize SSBA funds to purchase devices and loan to the nonpublic schools within your district. Please specify what devices have been requested by the nonpublic schools. If the nonpublic schools have not finalized requests, the district should provide the date nonpublic schools will submit the request by.

(No Response)

2. A final Smart Schools Investment Plan cannot be approved until school authorities have adopted regulations specifying the date by which requests from nonpublic schools for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district.

☐ By checking this box, you certify that you have such a plan and associated regulations in place that have been made public.

2a. Please enter the date each year nonpublic schools must request loanable items from the school district. This date cannot be earlier than June 1 of the previous school year.

(No Response)

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	4,486	53	4,539.00	1.17

4. Nonpublic Loan Calculator

	Loanable School Connectivity	Loanable Classroom Technology	Additional Nonpublic Loan (Optional)	Estimated Per Pupil Amount - This Plan	Previously Approved Per Pupil Amount(s)	Cumulative Per Pupil Loan Amount	Final Per Pupil Loan Amount - This Plan	Final Total Loan Amount - This Plan
Required Nonpublic Loan	0.00	0.00		0.00	250.00	250.00	0.00	0.00
Final Adjusted Loan - (If additional loan funds)	0.00	0.00	(No Response)	0.00	250.00	250.00	0.00	0.00

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously Approved Plans	250.00	13,250.00
This Plan	0.00	0.00
Total	250.00	13,250.00

6. Distribution of Nonpublic Loan Amount by School

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
HUDSON VALLEY CHRISTIAN ACADEMY	30	No

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

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