

Smart Schools Investment Plan - 2016-17 Version (Original) - Security Camera System

SSIP Overview

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Institution ID

80000051817

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

Stephen Broadwell

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

5189634456

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

sbroadwell@willsborocsd.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.

Supplemental 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

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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.

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.**

WCS Smart School Investment Plan.docx

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.**

http://www.willsborocsd.org/wp-content/uploads/2019/02/WCS_Smart_School_Investment_Plan.pdf

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

260

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:**

\$209,397

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	0
Connectivity Projects for Communities	

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	Sub-Allocations
	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	43,556
Totals:	43,556

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High-Tech Security Features

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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.

The school would like to upgrade and add to their existing security camera system. The existing system is analog with siamese cable consisting of a coaxial cable for the video and 2 conductors used for power. They would like to be able to reuse the existing cables but upgrade the cameras. Twinstate is purposing a new IP based security camera system that will be able to use most of the existing cabling along with new category 6 cables for the added camera locations and a few of the existing locations. There are spare multi-mode and single mode fiber optic cables to each of the existing data closets and they would like to keep the camera system separate from the school's data network. Install a new 24 port PoE+ data switch in each of the three (3) data closets and connect them together using the multi-mode fiber. The switches will be used for the new category 6 cables and will make future added cameras much easier to install and cost effective.

In the main data closet where the existing DVR is located Twinstate will install a new network video recorder with (36) terabits of storage which will give the school approximately 30 days of storage with the camera configuration in this quote. The following is a basic description of the camera types and locations. The floor plan and spreadsheet that will be supplied with this scope of work will supply an exact design. The existing hallways and cafeteria cameras will be replaced with 2MP, fixed lens, dome cameras with infrared. The cameras may be adjusted and relocated for better field of view in each area. The cameras for the front parking lot and the playing fields in back of the school will be replaced with a 4K (12MP) bullet cameras with varifocal lenses. The playground camera will be replaced with a new 4MP bullet camera along with a second 4MP bullet camera added to the end of the school for better field of view of the playground. There will be more outdoor cameras added for coverage of the back-parking lot, dumpster area and mechanical room on the second floor. There will be additional indoor cameras added to the hallways, gymnasium and auditorium. In the gymnasium, we will add (2) 360 degree cameras. The cameras in the gymnasium are not made with infrared. If this is an issue the gymnasium will need to be redesigned. There will be (2) cameras installed in the auditorium. These cameras will be 2MP dome cameras with a varifocal lens and infrared.

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
15-17-01-04-0-007-005

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. 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	43,556
Entry Control System	0

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High-Tech Security Features

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	Sub-Allocation
Approved Door Hardening Project	0
Other Costs	0
Totals:	43,556

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.

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	Keystone Jack	19.00	7	133
Electronic Security System	Mounting Box	22.00	3	66
Electronic Security System	Mounting Box Clip	22.00	7	154
Electronic Security System	Ethernet Switch	3.00	971	2,913
Electronic Security System	Transceiver Module	4.00	325	1,300
Electronic Security System	Dlpx Multimode	4.00	31	124
Electronic Security System	Ethernet Extenders Coax	4.00	1,536	6,144
Electronic Security System	Patchpanel	3.00	84	252
Electronic Security System	4 Megapixel Camera 65.62 ft	2.00	268	536
Electronic Security System	4 Megapixel Camera 82.02 ft	4.00	268	1,072
Electronic Security System	12 Megapixel Camera 131.23 ft	2.00	1,060	2,120
Electronic Security System	2 Megapixel Camera 65.62 ft	23.00	180	4,140
Electronic Security System	5 Megapixel Camera	3.00	655	1,963
Electronic Security System	2 Megapixel Camera 82.02	2.00	237	474
Electronic Security System	Mounting Adapter	3.00	36	108
Electronic Security System	64 Channel NVR 36T	1.00	5,802	5,802
Electronic Security System	Wall Bracket	1.00	183	183
Electronic Security System	4 Pair 24 AWG Cat6 Plenum	2,340.00	1	2,340
Electronic Security System	1 Ft Cat 6 Patch Cord	22.00	1	22
Electronic Security System	10 Ft Cat 6 Patch Cord	15.00	5	65
Electronic Security System	10 Cat 6 Outdoor Cord	7.00	107	749
Electronic Security System	Cable Hook	50.00	2	100
Electronic Security System	6+Quick Port 8C Jack Red (25 Pack)	1.00	180	180
Electronic Security System	Cable for Cable Print (4400 ft)	1.00	2,341	2,341

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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
Electronic Security System	Installation Charges	1.00	10,275	10,275