

Smart Schools Investment Plan - 2016-17 Version (Original) - Middle School

SSIP Overview

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Institution ID

800000049164

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

Jason Lopez

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

516-801-5080

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

jlopez@roslynschools.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.

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

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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.**

SmartbondPlan2017.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.**

<https://www.roslynschools.org/Page/1325>

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.**

3,500

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:**

\$464,325

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	196,375
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	164,915
Totals:	361,290

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School Connectivity

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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.

All instructional buildings are connected via dark fiber optic lines connected at a speed of 10 gigabits. Our internet connection comprises of three feeds aggregated into a total bandwidth of 401mb. (Boces BoTie 200mb, Cablevision LightPath 100mb and Metro Ethernet 101mb).

- 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	3,200	320,000	320	401	401	N/A

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 Roslyn School District plans to use the funding to provide wireless connectivity to every classroom in the school district, in order to allow for reliable access to network resources and the Internet. By installing access points throughout each of our five school buildings, we can provide uninterrupted web access to support students and faculty members across all disciplines and in all locations, whether in regular classrooms, science labs, study centers, libraries and even gyms and cafeterias. This will give everyone within the school community the bandwidth and reliable connectivity necessary to support curriculum initiatives well into the future.

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?")

Funding will enable the school district to provide a reliable wireless infrastructure in each classroom to continue and expand a wide range of curriculum initiatives. For example, our one-to-one device initiative at Roslyn Middle School aims to encourage intellectual curiosity through the Internet, while also developing moral responsibility in the use of technology in today's world. The additional time with technology provided by better wireless connectivity will help us teach students to be better digital citizens. This is just one of a number of instructional programs across all grade levels that will benefit directly from enhanced wireless access.

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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.

The Roslyn School District invested in major network upgrades that include a new Cisco core switch with 10GB fiber connectivity to each building and a new district wide wireless control system. In addition, each building was outfitted with new Cisco wireless access point in every classroom except for the Middle School.

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
28-04-03-03-0-006-032

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
KG&D	28179

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	94,895
Outside Plant Costs	0
School Internal Connections and Components	48,980
Professional Services	52,500
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	196,375

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.

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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
Network/Access Costs	AIR-CAP2702I-B-K9	66	603	39,798
Network/Access Costs	L-MGMT3X-HA	1	1,647	1,647
Network/Access Costs	L-MGMT3X-AP-K9	350	58	20,300
Network/Access Costs	CON-ECMU-LMGMT3HA	1	420	420
Network/Access Costs	CON-ECMU-LMGMTAPK	350	15	5,250
Network/Access Costs	L-MGMT3X-2K-K9	49	58	2,842
Network/Access Costs	CON-ECMU-LMGMT32X	49	15	735
Network/Access Costs	L-MGMT3X-3K-K9	11	58	638
Network/Access Costs	CON-ECMU-LMGMT3XM	11	15	165
Network/Access Costs	L-MGMT3X-6K-K9	1	174	174
Network/Access Costs	CON-ECMU-LMGMT6KK	1	44	44
Network/Access Costs	L-MGMT3X-ISR1-K9	6	58	348
Network/Access Costs	CON-ECMU-LMGMT3X9	6	15	90
Network/Access Costs	L-MGMT3X-4K-K9	3	116	348
Network/Access Costs	WS-C2960X-48FPD-L	4	4,450	17,800
Network/Access Costs	CON-SNT-WSC296X	4	353	1,412
Network/Access Costs	C2960X-STACK	4	665	2,660
Network/Access Costs	SFP-H10GB-CU3M=	4	56	224
Professional Services	PS-SNY-NE	80	135	10,800
Professional Services	PS-SN-SNE	56	150	8,400
Professional Services	PS-SNY-DCT	240	95	22,800
Connections/Components	Labor To Install/Terminate/Test Single Cat6 Cable	1	30,640	30,640
Professional Services	KG&D architectural plans	1	10,500	10,500
Connections/Components	Cat6 Plenum Cable, Jacks, Faceplates, 6 Strand fiber	1	18,340	18,340

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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.

We intend to provide enhanced building and classroom security by installing Cisco IP phones and IP based PA speakers with alphanumeric clocks. The enhanced communication will provide both texted based and automated voice alerts during lockdown or lock out emergencies.

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
28-04-03-03-0-006-032

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
KG&D	28179

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	154,415
Entry Control System	0
Approved Door Hardening Project	0
Other Costs	10,500
Totals:	164,915

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	SP-ATLAS-I8SC=	76.00	761	57,836

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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	SP-ATLAS-SEA-I8SC=	76.00	72	5,472
Electronic Security System	SP-INFORMACST-250=	2.00	5,004	10,008
Electronic Security System	SP-ATLAS-I128SYS=	28.00	773	21,644
Electronic Security System	SP-ATLAS-I8S=	2.00	645	1,290
Electronic Security System	SP-ATLAS-SEA-I8S=	2.00	55	110
Electronic Security System	SP-ATLAS-IHVP=	5.00	800	4,000
Electronic Security System	SP-ATLAS-FST-IH=	5.00	133	665
Electronic Security System	CP-3905=	49.00	56	2,744
Electronic Security System	CON-SNT-CP3905	49.00	7	343
Electronic Security System	LIC-CUCM-10X-ESS-A	49.00	23	1,127
Electronic Security System	CON-ECMU-LIC0ESSA	49.00	4	196
Electronic Security System	Labor To Install/Terminate/Test Single Cat6 Cable	383.00	80	30,640
Other Costs	KG&D architectural plans	1.00	10,500	10,500
Electronic Security System	Cat6 Plenum Cable, Jacks, Faceplates, 6 Strand fiber	1.00	18,340	18,340