

Smart Schools Investment Plan - 2016-17 Version (Original) - ClintonCSD Network Infrastructure

SSIP Overview

Page Last Modified: 10/30/2018

Institution ID

80000041438

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

Joseph Barretta

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

315-557-2286

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

jbarretta@ccs.edu

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

Smart Schools Investment Plan - 2016-17 Version (Original) - ClintonCSD Network Infrastructure

SSIP Overview

Page Last Modified: 10/30/2018

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.**

Clinton CSD - SSIP1 ExecSummary Final (HS Infrastructure & Wireless Upgrades).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.ccs.edu/Page/2385>

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.**

1,285

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:**

\$875,221

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	875,221
Connectivity Projects for Communities	

Smart Schools Investment Plan - 2016-17 Version (Original) - ClintonCSD Network Infrastructure

SSIP Overview

Page Last Modified: 10/30/2018

	Sub-Allocations
	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	875,221

Smart Schools Investment Plan - 2016-17 Version (Original) - ClintonCSD Network Infrastructure

School Connectivity

Page Last Modified: 10/26/2018

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.

Currently Clinton CSD exceeds the standard. Using district owned fiber optic cable, the district has the capacity to achieve a minimum standard of 1Gbps.

- 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	1,285	128,500	128.5	1024	1024	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 funds will be utilized to improve the high speed broadband and wireless connectivity in the high school. This includes deploying new pathways, spaces and horizontal cabling. The district is planning to develop a migration plan to move equipment and connections to new Telecommunication Rooms. The district will also upgrade switches, wireless network coverage and capacity.

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?")

In order to improve teaching and learning a district needs to have a robust technology infrastructure. A comprehensive technology infrastructure will allow Clinton CSD to offer and support new types of student engagement and learning experiences. This includes focusing on implementing the ISTE standards in our classrooms and among students, teachers and administrators, strategically integrate technology into our curriculum and instructional practices, promote digital citizenship, design active learning experiences and bridge the digital divide for our students.

Smart Schools Investment Plan - 2016-17 Version (Original) - ClintonCSD Network Infrastructure

School Connectivity

Page Last Modified: 10/26/2018

- 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.

Currently Clinton CSD has district wide wireless. One of the district's technology goals is to add a wireless access point to each classroom to increase coverage. The district will also replace our backbone cabling from CAT 5 to CAT 6A.

- 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
411101060005014

- 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
Christopher Crolius	22954

- 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	137,738
Outside Plant Costs	0
School Internal Connections and Components	482,700
Professional Services	83,350
Testing	0
Other Upfront Costs	0
Other Costs	171,433
Totals:	875,221

- 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.

NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology,

Smart Schools Investment Plan - 2016-17 Version (Original) - ClintonCSD Network Infrastructure

School Connectivity

Page Last Modified: 10/26/2018

**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	Data Communications Switches WS C4500x	1	4,654	4,654
Network/Access Costs	Data Communications Switches 10/100/1000 PoE C2960x	15	5,743	86,145
Network/Access Costs	Data Communications Wireless Access Points	59	796	46,939
Connections/Components	Communication Equipment Room	1	10,000	10,000
Connections/Components	Cable Tray	1	20,000	20,000
Connections/Components	6 Horizontal Cabling	716	350	250,700
Connections/Components	Fiber Optic Cabling	1	21,250	21,250
Connections/Components	Temporary Facilities - Internet Provider	1	10,000	10,000
Connections/Components	Communication Services	1	10,000	10,000
Professional Services	Infrastrucutre Design and Construction Management Fees	1	83,350	83,350
Other Costs	Infrastructure Design Contingency	1	57,144	57,144
Other Costs	Infrastructure Construction Contingency	1	57,144	57,144
Other Costs	Incidental Costs	1	57,145	57,145
Connections/Components	Communication Equipment Room	1	20,000	20,000
Connections/Components	Communication Equipment Room	1	26,000	26,000
Connections/Components	Equipment Racks	1	6,600	6,600
Connections/Components	Termination Hardware	1	2,970	2,970
Connections/Components	Cable Runway	1	3,680	3,680
Connections/Components	Horizontal Cable Management	1	3,000	3,000
Connections/Components	Vertical Cable Management	1	5,250	5,250
Connections/Components	Communications Outlet	1	15,000	15,000
Connections/Components	J Hooks	1	16,500	16,500
Connections/Components	6A Horizontal Cabling	112	551	61,750