

SSIP1 Executive Summary (**Draft**)
High School Infrastructure
And Wireless Upgrades

October 25, 2016

Presented to Clinton Central School District Board of Education



SSIP1 Executive Summary Overview



Smart Schools Bond Act (SSBA) Overview



Clinton CSD Goals and Objectives



CCSD Smart Schools Investment Plan (SSIP) 1:

- *Upgrade High School Physical Infrastructure*
- *Expand High School Wireless Coverage and Capacity*



Previous and Next Steps



Available Resources



Questions and Comments



Smart Schools Bond Act (SSBA) Overview



About the Smart Schools Bond Act of 2014



- The **Smart Schools Bond Act (SSBA)** was passed in the 2014 – 15 Enacted Budget and approved by the voters in a statewide referendum on Nov. 4, 2014.
- The SSBA authorized the issuance of **\$2 billion** of bonds to finance improved educational technology and infrastructure.
- The intent of the SSBA is to **improve current learning opportunities for NYS K12 students** as well as future employment potential in the 21st Century job market.

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About the Smart Schools Bond Act of 2014 (cont.)



- The SSBA provides funds for **three specific areas:**
 - Instructional technology including devices
 - Technology infrastructure & connected systems incl. high-tech Security features
 - Temporary classroom upgrades to permanent structures
- The SSBA requires that a Review Board review and approve districts' **Smart Schools Investment Plans (SSIPs)** before any funds are made available.
- SSIPs are developed by a **District's SSIP team** based on current conditions and the District's five-year objectives.
- **Clinton Central School District** is eligible for **\$875,221**.



Clinton CSD Central School District Goals and Objectives



CCSD: Mission and Goals



Mission

Clinton Central School proudly educates and empowers students to realize their potential and become thoughtful, contributing members of society.

Vision

That students are prepared through engaging, meaningful and challenging learning opportunities delivered by motivated and inspired professionals, and supported through collaborative partnerships with family, businesses, civic organizations, and institutions of higher education.



2015/2016 District Strategic Goals

1. Support Common Core Language Standards.
2. Refine Intervention Services response.
3. Engage parent and community in a substantive manner.
4. Define and promote CCSD “brand” to larger community.
5. Develop a 5-year Facilities Plan.
6. Develop a Strategic Financial Plan.

CCSD: Technology Goals



The District's Technology Committee has defined the following major technology goals for funding:

- | | |
|--|---|
| 1 Upgrade Technology Infrastructure | Goal 1.1: Upgrade HS Physical Infrastructure
Goal 1.2: Upgrade ES & MS Physical Infrastructure |
| 2 Improve School Connectivity | Goal 2.1: Upgrade Network Hardware, Servers & Services |
| 3 Expand Coverage & Redundancy | Goal 3.1: Expand Wireless Coverage & Capacity
Goal 3.2: Improve Network Redundancy |
| 4 Upgrade Instructional Technology | Goal 4.1: Additional Staff & Student Computing Devices
Goal 4.2: Upgrade Projectors & Interactive Displays |
| 5 Upgrade Security Systems | Goal 5.1: Upgrade Security Systems |
| 6 Upgrade Integrated AV | Goal 6.1: Upgrade Public Address Systems
Goal 6.2: Upgrade Master Clock Systems |
| 7 Upgrade Phone Systems | Goal 7.1: Upgrade Phone Systems |

CCSD Smart Schools Investment Plans



Each goal will require one (or more) individual technology plans based on funding sources.

The Smart Schools Investment Plan (SSIP)1 summarized here is to obtain the district's total Smart Schools Bond Act allocation of **\$875,221**.

This SSIP1 Executive Summary describes the plan to **Upgrade High School Physical Infrastructure, Switches and Wireless Access Points** required to meet District Goal 1.

This will be the only **SSIP** that CCSD will submit to the SED.



Clinton CSD SSIP1

Upgrade High School Physical Infrastructure,
Switches and Wireless Access Points



SSIP1: HS Infrastructure Upgrades



Current Conditions

The current physical Technology Infrastructure in the District's only High School is insufficient to meet future needs of the district.

Recommended HS Improvements

- Evaluate current and future LAN and WLAN needs.
- Design new pathways, spaces and horizontal cabling.
- Design intra-building backbone cabling.
- Coordinate upgrades with 2018 capital project.
- Upgrade Wireless Network coverage and capacity.



SSIP1 Total Funding

Categories	Sub-Allocation \$ Amount
School Connectivity (see details on next pages)	\$875,221
Total Estimated Cost	\$875,221



SSIP1: HS Infrastructure Upgrades (cont.)

SSIP1 Summary of Sub Allocations

Items	Total Cost
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
Total Estimated Cost	\$875,221



SSIP1: HS Infrastructure Upgrades (cont.)

SSIP1 Network/Access

Items	Qty	Cost per Item	Total Cost
Data Communications Switches WS-C4500X	1	\$4,654	\$4,654
Data Communications Switches 10/100/1000 PoE EDU-C2960X	15	\$5,743	\$86,145
Data Communications Wireless Access Points	59	\$796	\$46,939
Total Network/Access Costs			\$137,738



SSIP1: HS Infrastructure Upgrades (cont.)

SSIP1 Internal Connections and Components

Items	Qty	Cost per Item	Total Cost
High School Technology Room Improvements	3	\$25,833	\$77,500
High School Communications Pathways	1	\$51,500	\$51,500
High School Structured Cabling for WLAN	1	\$312,450	\$312,450
High School Fiber Optic Cabling	1	\$21,250	\$21,250
Temporary Facilities	1	\$10,000	\$10,000
Communications Services	1	\$10,000	\$10,000
Total Internal Connections and Components Costs			\$482,700

SSIP1: HS Infrastructure Upgrades (cont.)



SSIP1 Professional Services

Items	Qty	Cost per Item	Total Cost
Infrastructure Design and Construction Management Fees	1	\$83,350	\$83,350
Total Professional Services Costs			\$83,350

SSIP1: HS Infrastructure Upgrades (cont.)



SSIP1 Other Costs

Items	Qty	Cost per Item	Total Cost
Infrastructure Design Contingency	NA	\$57,144	\$57,144
Infrastructure Construction Contingency	NA	\$57,144	\$57,144
Incidental Costs	NA	\$57,145	\$57,145
Total Other Costs			\$171,433



Next Steps



SSIP1 Next Steps



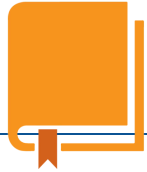
Date	Milestone
Oct. 25	SSIP1 Executive Summary DRAFT - Approved By Board
Oct. 26	SSIP1 Executive Summary posted to district website for 30-day review
Nov. 15	SSIP1 Plan Public Review meeting, 5:30pm, High School Auditorium
Dec. 20	SSIP1 Executive Summary FINAL- Approved By Board
Dec. 21	SSIP1 Submission to SSBA website
TBD	Design Documents Submitted to NYSED Facility Planning for review
TBD	Target Date to Start Bidding (pending NYSED Facility Planning Review)



Available Resources



Available Resources



CCSD Resources

- District Strategic Plan
- District Technology Plan
- District Comprehensive Technology Plan
- District 2016 Instructional Technology Plan update

NYS Resources

- Smart Schools Bond Act of 2014 Statute
- Smart Schools Bond Act FAQs
- Smart Schools Bond Act (SSBA) Guidance
- NYS State Education Dept. (SED) SSBA website



Questions and Discussion

