

Hannibal Central School District

Smart School Investment Plan – Phase 1



Overview of Smart Schools Act

The Smart Schools Bond Act (SSBA) was passed by the New York State Legislature in the 2014-15 enacted budget and was approved by the voters via a statewide referendum during the 2014 General Election held on November 4, 2014. The results of this positive vote allowed the authorization to issue \$2 billion of general obligation bonds to finance school district improvements in the areas of education technology, infrastructure and security.

All districts will be required to submit a Smart Schools Improvement Plan to demonstrate how Smart Schools Bond Act funds will be used to provide the educational tools and opportunities students throughout New York State will need to succeed in the 21st century economy.

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.

For a complete description of the Smart Schools Bond Act, the implementation guide can be located at:

http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf

District Allocation

The Hannibal Central School District was awarded an allocation in the amount of \$1,987,752. The funds must be spent using school district dollars then the district is reimbursed from New York State after the funds have been spent. Under the current guidance, there has been no time limit placed on purchases to be reimbursed as well as no requirement to spend all of the funds at one time. The purchasing and approvals can be planned for in phases.

Purchase Plan

The first phase of the plan will focus in two of the approved categories. The School Connectivity category will focus on improving and strengthening the districts infrastructure. The second category, Connectivity Projects for Communities, will allow for some funding for hardware upgrades for the Hannibal Free Library.

1- School Connectivity

Network Fiber & Cable Upgrades

The district has been increasingly growing and expanding its technology foot print. There has been a large increase with wireless devices that has been steadily increasing the need for more bandwidth. In order to stay ahead the growing demand the district will need to look at upgrading to its fiber and network cabling. The district will prepare for this demand by:

- Upgrading all fiber from 62.5 micron to new industry standard 50 micron (within the buildings)
- Replacing all Cat5 cable with Cat6 in all three buildings.
- Adding additional Fiber line From Fairley Elementary School to the High School
- Adding additional closet in HS Auditorium

Switch Upgrade

The district will need to purchase new switch hardware that is capable of running 10Gbps. The equipment upgrade will also be necessary to complete the new external fiber run and increase our level of redundancy. As support additional bandwidth capacity to our wireless access points as the technology improves.

2- Connectivity Projects for Communities

Hannibal Free Library

All of our students from grades 4 through 12 are working with Google Apps for Education. The library offers an excellent opportunity for students to continue their work outside of class. Some students also elect to receive tutoring at this location as well. The library currently does not

have any wireless devices available for use. Purchasing 20 Chromebooks with a cart would create an opportunity for student access to the same learning technologies used in our classrooms when they are outside of school.

Estimated Costs

Item	Building	Estimated Cost
Fiber and Cabling	Fairley	\$173,838.00
Fiber and Cabling	DMK	\$178,903.00
Fiber and Cabling	High School	\$249,538.00
Switch Upgrade	Fairley	\$91,316.00
Switch Upgrade	DMK	\$94,986.00
Switch Upgrade	High School	\$113,665.00
Library - Chromebooks	Hannibal Free Library	\$10,000
Library - wireless Repeater	Hannibal Free Library	\$500
Total		\$912,746.00

Phase 1 estimated total - \$912,246.00

Remaining funds for future projects - \$1,075,506

Timeline

- June 29th, 2018 - Preliminary Smart Schools Investment Plan posted on our website for public comment
- July 11th, 2018 - Preliminary Smart Schools Investment Plan approved by the Board of Education
- August 8th, 2018 - Public Hearing at the Board of Education meeting to present/discuss the Preliminary Smart Schools Investment Plan. Final plan approved by the Board

- August 9th, 2018 - – Smart Schools Investment Plan submitted to the State Education Department for approval

Written comments regarding this plan should be submitted to:

Michael Davis, Director of Technology

Hannibal Central School District

928 Cayuga St.

Hannibal, NY 13074

mdavis@hannibalcsd.org