



Smart School Bond Act-Phase II Overview

Summary

Phase II of the Smart School Bond Act for Sauquoit Valley CSD will concentrate on three areas-Classroom Technology (CT), High Tech Security (HTS), and School Connectivity (SC). The spreadsheet on the second page will show a breakdown of the expected expenditures in each category.

Each building has had at least three meetings a year to discuss their needs and wants for instructional technology. The building principals and superintendent also meet to review proposals to ensure equity between buildings. Meetings with School Business Office and Superintendent of Building and Grounds are held to ensure work is completed on Phase I and Phase II proposals are possible.

Classroom Technology

CT is intended to enhance the end users experience. These expenses come with the caveat that the school must provide a replacement plan for these products. The items that can be purchased are Chromebooks, computers, projectors, iPad's, document cameras, etc...

By the end of Phase II, Sauquoit Valley will have close to 1000 Chromebooks and 350 computers. Chromebooks and computers have a projected life span of 5-7 years. Some of the Chromebooks were purchased in Phase I and some were acquired through the district normal State Hardware, State Software and BOCES aidable budgets.

School Connectivity

SC focus is on the district's data infrastructure-servers, switches, data cable, fiber cable, wireless network, and related technical services (engineering and testing).

During Phase I, new single mode and multi-mode fiber was pulled and connected between switch closets and buildings. New Switches will be installed in the summer of 2019. With the new fiber and switches installed that the district will upgrade from a 1G connection between switches and buildings to a 10G connections between buildings.

Phase II will focus on brand new wireless network that will increase speeds, and cover every classroom and other instructional areas (gymnasiums, auditoriums, libraries, etc...) Every classroom will be able to handle 30 wireless devices simultaneously and the gymnasiums and auditorium will be able handle 120 wireless devices at any given time.



High Tech Security

HTS part of the SSBA allows for security systems and safety warning systems.

During Phase I the district upgraded and increased the number of security cameras in the middle school from an analog system to a digital system. The new cameras provide better resolution and much better ability to review video. We also purchased new security camera servers which enables us to store more footage and playback is much quicker and easier.

Phase II is proposing to upgrade and add cameras to the elementary and high schools. New wiring will be needed to all camera locations and new cameras will need to be purchased in for both buildings, except high school music wing, fitness center and bus garage (those were installed during the current capital project).

This phase will provide funding for a new lock down warning system (blue lights) to be installed district wide. The system will have blue lights installed inside and outside the buildings and strategically placed panic buttons in each school building, transportation center and pole barn.

Sauquoit Valley CSD: Smart Schools Investment Plan- Phase 2				
	Quantity	Price	Total	
Classroom Technology				
Short Throw interactive Projectors	30	\$ 1,721.00	\$ 51,630.00	
Projectors	25	\$ 425.00	\$ 10,625.00	
Tablets/Chromebooks	150	\$ 300.00	\$ 45,000.00	
Computers	75	\$ 700.00	\$ 52,500.00	\$ 197,825.00
Document Cameras	40	\$ 325.00	\$ 13,000.00	
Wireless Docking Station	10	\$ 517.00	\$ 5,170.00	
Tablet sync station	6	\$ 1,650.00	\$ 9,900.00	
Professional Service (Engineering)	1	\$ 10,000.00	\$ 10,000.00	
High-Tech Security				
Security IP Cameras	86	\$ 850.00	\$ 73,100.00	
Security switch	2	\$ 2,500.00	\$ 5,000.00	
Wiring	2	\$ 10,000.00	\$ 20,000.00	\$ 212,100.00
Lock Down Security Lights/ Blue	1	\$ 100,000.00	\$ 100,000.00	
Security Server-NVR	1	\$ 14,000.00	\$ 14,000.00	
School Connectivity/Bandwidth				
Wirless Network	1	\$150,000.00	\$150,000.00	\$150,000.00
Sub Total			\$559,925.00	\$ 559,925.00