SMART SCHOOL INVESTMENT PLAN

PHASE 3 – HIGH TECH SECURITY AND COMMUNICATIONS – PART 1

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Contents

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INVESTMENT PLAN

PHASE 3 – COMMUNICATIONS AND HIGH-TECH SECURITY

OVERVIEW

The SMART SCHOOLS BOND ACT was passed in the 2014-15 New York State-enacted budget and approved by the voters in a statewide referendum held during the 2014 General Election on Tuesday, November 4. This bond act authorized the issuance of $2 billion of general obligation bonds to finance improved educational technology and infrastructure to improve learning and opportunity for students throughout the State.

William Floyd's portion of this funding is $10,398,033. The bond has four areas of focus:

1. Install high-speed broadband or wireless internet connectivity for schools and communities
2. Acquire learning technology equipment or facilities
3. Pre-kindergarten programs and/or replace classroom trailers
4. Install high-tech security features in school buildings and on school campuses

In collaboration with teachers, administrators, parents, and community members, our district has chosen to concentrate on increasing our internet connectivity, acquiring additional learning technology equipment and installing high-tech security features. ***This document provides the district's phase 3 recommendations for use of these funds for installing a high-tech security platform and improving our communication system to fully integrate with all systems.*** As required, all district plans will be presented in a public hearing followed by a 30-Day public review and comment, and ultimately, approval by the Board of Education. The plan will then be submitted to the New York State Education Department for final acceptance. School Investment Plans must meet the requirements of demonstrating a rationale for students' needs, preparing for minimal

speed requirements for connectivity, providing professional development and appropriate technical support, and long-term sustainability.

RATIONALE

The William Floyd School District is committed to providing all of our students with a high-quality education. It is our mission to achieve a learner-centered, nurturing, safe environment that empowers students and teachers with the ability and desire to thrive as life-long learners. To achieve this requires a commitment to and investment in the technologies required to improve instruction and ensure our students' and staff members' security. We are committed to the ideal that safety is paramount to successful learning environments.

Our long term strategy is multifaceted:

- Rebuild our technology infrastructure to future proof our network capacity
- ***Improve and integrate our security and communication systems***
- Increase our teacher aptitude for the integration of technology
- Improve our students' access to technology
- Develop classroom spaces that foster collaboration and critical thinking

To accomplish these long-term goals, the third phase of our Smart School Investment Plan will be focused on upgrading our physical security system and improving our current telecommunications platform. Our current systems are not fully integrated and as a result, we have limitations that have been identified by outside evaluators. While we have emergency plans and protocols in place, in the event of a serious threat on our campus, we do not have seamless communications from a variety of locales throughout the district or remotely. This limitation impedes our ability to implement a lock down or system wide alert from a multitude of input devices. While our physical security system does provide reasonable camera coverage throughout our schools, the cameras are analog with standalone digital video recorders (DVRs). These cameras produce poor quality video and have many blind spots. We have addressed this with a full site survey by several security professionals and building administration. More importantly, there is no centralized management system or remote access available to facilitate proper daily and emergency management. We are also working to ensure our system is fully integrated with local law enforcement.

PROJECT OUTLINE

We will be installing fully integrated IP video cameras throughout the district that can be leveraged by first responders. To accomplish this we will need to run new CAT 6 Cable for each camera. The project will include the installation of a system that has real-time video recording and alerts, remote video viewing capabilities, and video archiving. We will be building the capacity to upgrade to IP Phone for emergency broadcasting and event triggering. Our next Smart School Investment Plan will address additional upgrades to our high-tech security and unified communication systems. Another goal of this project is to build system redundancy throughout, to ensure that we are flexible and prepared for any emergency situation.

PROFESSIONAL DEVELOPMENT

The William Floyd School District is committed to ongoing professional development for teachers, administrators and staff. This phase of our Smart School Bond is improving our security and communication systems. This work is critical to support our buildings and security personnel. All security and communication improvements will be fully supported with required professional development. In addition, we will provide building administration with detailed emergency protocols, integrating the new systems into the existing emergency response manuals and yearly trainings. We will work with local law enforcement, specifically our School Resource Officers (SROs) to improve our collaboration and work to fully integrate their first responder resources with our new systems. As part of every building's yearly security training, all staff members and teachers will be made aware of new protocols and security systems features that have been put into place in their offices and classrooms.

The William Floyd Security Department is made up of a director of security, 6 security supervisors, and 28 security guards. They are well equipped to support this upgrade in our systems. A new centralized system will make it easier for them to follow up and communicate with building administration regarding security issues.

In addition, this high-tech upgrade to security phase will be supported by the William Floyd technology department, which is made up of a coordinator of technology, webmaster, network administrator/programmer, professional developer and four contracted technical support personnel. This team is well equipped to support the installation and technical troubleshooting of a new security system. They will work closely with all departments to ensure full integration of the system. This will not be an additional burden on this department as they are currently working with all buildings and security on the integration of current systems.

We will be setting the foundation to upgrade to an IP Phone System that will integrate with our security systems and provide a seamless communication platform. It will replace our antiquated phone system that is past warrantee and does not have the ability to integrate with our security. An expansion of this will be included in our next phase. Our current facilities and technology department support our phones and the new IP Phone system will be supported by the same number of personnel and part of our general budget.

Our Board of Education has provided ongoing support of technology innovations in our schools. Their support has always come with the understanding of the importance of quality technical expertise to ensure the successful deployment of any innovation.

BUDGET

The district's plan to fund these projects is to use general budget funds and Smart Schools Bond funding to accomplish our goals.

	Smart School Bond
Total WFSD Allocation	$ 10,398,033
Phase 1 - Infrastructure & Core Network	$ 2,000,000
Phase 2 - Network Equipment for Wireless Upgrade	$ 230,016
Phase 3 – High-Tech Security & Communications Part 1	$ 2,100,000
	$ 6,068,017

SUSTAINABILITY

The Board of Education of the William Floyd School District has demonstrated consistent financial support for the upgrade of our security systems throughout our district. In preparation for our Smart School Investment Plan, our district consulted with teachers, principals, security personnel, administrators, and parents to determine needs and long-term plans for technology and security. This third phase of our Smart School Bond project will provide us with a high-tech centralized security management system and integrated communications systems to support all of our buildings. It will enable our district to centrally manage our security cameras and upgrade the

capabilities of our current communications system. The hardware, software, and wiring proposed in this plan will integrate with each other and our existing systems. This redesign of our security will decrease our maintenance and management costs in the short term and fall within our current budgetary allotment for ongoing support.