



Poughkeepsie City School District

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TO: Dr. Eric Rosser, Superintendent
FROM: Mr. William Hogan, Interim Chief Finance and Business Official
DATE: February 23, 2022
RE: District-Wide Security Proposal Under Smart Bonds Funding

I have been working for several months with Day Automation to develop a comprehensive district-wide solution to meet PCSD's 21st century security needs while also determining the best funding mechanism. Day Automation is considered an expert in K-12 security, has an extensive K-12 client-base within the State, and is a State-contract approved vendor.

This project should qualify for 100% funding by the State under its Smart Bonds program.

What follows is an executive summary of the recommended security solution for PCSD.

Video Surveillance and Access Control (all schools) A total of 360 new cameras will be installed to replace all existing cameras as well as add new camera views across the entire district. New video management software will be provided and will include analytic features such as appearance search and alarm notifications. To secure the buildings and help manage who is allowed inside, card access will be installed on thirty-four exterior doors. This will allow the district to restrict which individuals can enter the buildings and audit who is accessing each door. The system's software will allow card access doors to be placed on a schedule so that they can only be accessed at certain times. The software will also allow the district to limit which doors individuals with credentials can access. Door sensors will be installed on every exterior door to monitor whether that door is open or closed. A basic lockdown system including a lockdown panel and physical lockdown buttons will be installed in every building to allow the district to put the school in a lockdown with the press of a button. Doing so would lock all card access doors and automatically alert the authorities via central station monitoring.

Blue Lights and PA Integration (all schools) To expand on the lockdown system, blue strobe lights will be installed on the exterior of the buildings to signal to those outside that a lockdown is in progress and that people need to vacate the premises. A zone controller will be installed in every building that would allow a programmed audible message to be played over the existing PA system to alert students and faculty that a lockdown has been triggered.

Middle School and High School Campus Notification (Middle School and High School only) IP display signs / clocks will be installed in the Middle School and High School throughout the hallways, classrooms, offices, gymnasiums, and auditoriums to further notify

staff and students that the buildings are in lockdown. When the school is not in lockdown these clocks will display the time and date. However, when a lockdown is triggered, the digital signboards will have a preprogramed message scroll across it to provide a visual alert. In addition, the speakers on the devices would play a prerecorded audible message while strobe lights flash.

High-Tech Metal and Weapon Detection System (Middle School and High School only)

One two-lane walk-through weapons detection system will be installed at the main entryway at both the Middle School and High School. Using advanced sensors and artificial intelligence, the district will be able to screen for a wide range of concealed weapons and threats while allowing people entry into the buildings in a timely and efficient manner without being obtrusive to students or staff. Additionally, the smart technology is **not** triggered by safe items such as keys and cell phones which minimizes false alarms.

<i>Smart Bonds Proposal - Phase II</i>	
Location/Description	Cost
Warring ES - Access Control (5 Access Doors, 7 Monitored Doors)	\$ 58,532
Columbus Elementary School - Access Control (2 Access Doors, 3 Monitored Doors)	25,207
Clinton Elementary School - Access Control (3 Access Doors, 5 Monitored Doors)	39,421
Krieger Elementary School - Access Control (5 Access Doors, 10 Monitored Doors)	72,500
Morse Elementary School Access Control (4 Access Doors, 4 Monitored Doors)	40,767
Smith Elementary School - Access Control (3 Access Doors, 10 Monitored Doors)	43,641
Poughkeepsie MS - Access Control (6 Access Doors, 17 Monitored Doors)	92,771
Poughkeepsie HS - Access Control (6 Access Doors, 37 Monitored Doors)	123,257
Warring Elementary School (39 Cameras in new locations)	138,322
Christopher Columbus Elementary School (27 Cameras in new locations)	104,810
Clinton Elementary School (37 Cameras in new locations)	125,573
Krieger Elementary School (42 Cameras in new locations)	145,978
Morse Elementary School (47 Cameras in new locations)	148,656
Smith Elementary School (38 Cameras in new locations)	152,131
Poughkeepsie MS (61 Cameras in new locations)	220,977
Poughkeepsie HS (47 Cameras in new locations)	180,088
Warring Elementary - Blue Lights / PA Integration	14,928
Clinton Elementary - Blue Lights / PA Integration	18,225
Krieger Elementary - Blue Lights / PA Integration	21,309
Morris Elementary - Blue Lights / PA Integration	14,929
Smith Elementary - Blue Lights / PA Integration	14,929
Poughkeepsie MS - Blue Lights and PA Integration	21,579
Poughkeepsie HS - Blue Lights and PA Integration	30,540
Poughkeepsie Middle School - Campus Notification (141 Signs)	289,322
Poughkeepsie High School - Campus Notification (169 Clocks)	352,823
Poughkeepsie High School 2 Lane Indoor Avigilon Weapons Detection System	152,963
Poughkeepsie Middle School 2 Lane Indoor Avigilon Weapons Detection System	152,963
Project Contingency	300,000
	\$ 3,097,140