Allegany-Limestone Central School District

Smart Schools Investment Plan
High-Tech Security; Emergency Notification System and Physical Access
Controls

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Acknowledgements

The Allegany-Limestone Central School Smart School Investment Plan was the result of the dedicated efforts of the Technology and the Facilities Planning Committees:

Allegany-Limestone Central School

We are…students first!

<u>Vision</u>

Allegany-Limestone Central School will create and sustain a safe, nurturing, and rigorous learning environment in which all students are challenged and prepared to accomplish their goals.

<u>Mission</u>

By instilling a sense of inquiry, adaptability, creativity and character, the ALCS community will prepare our students as lifelong learners and problem solvers.

<u>Core Beliefs</u>

- All students have the capacity to develop their unique potentials.
- Learning is the shared responsibility and collaborative effort of students, faculty, staff, families, and community.
- Learning occurs best in a safe and secure environment that respects the individual, values different perspectives, and encourages effort.
- Learning results from active engagement in relevant, purposeful activities.

Smart Schools Bond /District Capital Project

On May 16, 2017, the voters of the Allegany-Limestone Central School District approved a Capital Project for $16, 100,000. As part of the project, the District plans to appropriate $1,200,000 of our Smart Schools Bond allocation to interface with this project to cover the costs of new security access controls and a new fire alarm system in both the Allegany-Limestone MS/HS and Allegany-Limestone Elementary Schools. We have outlined the focus of the use of the Smart Schools Bond allocation below:

Focus of Project

I.   The safety and security of our students and staff is our first priority. We will utilize technologies in conjunction with the redesign of facilities to safeguard our campuses and create efficiencies.

II.   The plan calls for the replacement of the current access control system in both the MS/HS and Elementary buildings. The Building Management System will fully integrate the new system.

III.   The new access control system will be integrated with our current security cameras to improve security inside and outside of the building.

IV.   The new security system will have additional security programming features along with mobile notifications

V.   The installation of new fire alarm system in the MS/HS and Elementary building will meet the appropriate standards and current State codes.

VI.   The District's capital project will replace the current Building Management System (BMS). The new system will have control over security cameras, entrance access points and the fire alarm system.

High-Tech Security; Emergency Notification System and Physical Access Controls

<u>Fire Alarm</u>

Elementary School – Included in SED Project #0403020003005
Existing Conventional Simplex 4005 fire alarm control panel to be removed and replaced with a new addressable Simplex 4100ES fire alarm control panel. All conventional initiating devices are to be removed and replaced with new addressable initiating devices in compliance with ADA requirements and supplied with drift compensation. Existing notification devices to be removed and replaced with new addressable synchronized led notification devices in compliance with NFPA 72 candela rating requirements and located in all areas required per NYSED. Existing conventional audible devices to be removed and replaced with new addressable voice evacuation devices. New cabling shall be plenum rated and sized to accommodate new addressable devices throughout the building. Existing door holds to be replaced throughout the school. New fire alarm system shall incorporate existing building wide door release system. In addition to doors releasing when buttons placed in administrative offices are initiated, new door holds shall also release upon activation of fire alarm system. New fire alarm system shall also include a mass notification amber light system. New mass notification system shall be activated by a button located based on the Districts Emergency Action Plan. New mass notification system when initiated shall flash an amber light, release door holds (locking down the school) and announce pre-recorded messages. New system shall also be integrated with new JCI Building Management System. New fire alarm system shall be compliant with NFPA 72, SED and 2015 NYS Building Code.

Middle High School – Included in SED Project #0403020008005
Existing Siemens Cerberus Pyrotronics fire alarm control panel to be removed and replaced with a new addressable Simplex 4100ES fire alarm control panel (or approved equal). Existing initiating devices are to be removed and replaced with new initiating devices supplied with drift compensation. Existing notification devices to be removed and replaced with new synchronized led notification devices in compliance with NFPA 72 candela rating requirements and located in all areas required per NYSED. Existing audible devices to be removed and replaced with new voice evacuation devices. New cabling shall be plenum rated and sized to accommodate new addressable devices throughout the building. Existing door holds to be replaced throughout the school. New fire alarm system shall incorporate existing building wide door release system. In addition to doors releasing when buttons placed in administrative offices are initiated, new door holds shall also release upon activation of fire alarm system. New fire alarm system shall also include a mass notification amber light system. New mass notification system shall be activated by button located based on the District Emergency Action Plan. New mass notification system when initiated shall flash an amber light, release door holds (locking down the school) and announce pre-recorded messages. New system shall also be integrated with new JCI Building Management System. New fire alarm system shall be compliant with NFPA 72, SED and 2015 NYS Building Code.

Access Control/BMS Integration

Elementary School – Included in SED Project #0403020003005
Existing access control system does not meet current building security needs. Existing access control devices will be fully upgraded as well as additional devices added to secure door locations requested by the district. The upgrade to the system will allow for additional security programing features along with mobile notifications. New system shall also be integrated with the new JCI Building Management System along with the districts security camera system.

Middle High School – Included in SED Project #0403020008005
Existing access control system will be upgraded to improve security throughout the building. Existing access control devices will be fully upgraded as well as additional devices added to secure door locations requested by the district. The upgrade to the system will allow for additional security programing features along with mobile notifications. New system shall also be integrated with the new JCI Building Management System along with the districts security camera system.