

To: Dr. Mike Riggle
Board of Education

From: Dr. R.J. Gravel
Dr. Kimberly Ptak
Mr. Zia Ahmed

Date: Monday, May 20, 2019

Re: Award of Bid for 2019-20 Electronic Door Locks Safety and Security Project

Recommendation

It is recommended that the Board of Education award the following bids related to the electronic door lock safety and security project for the 2019-20 fiscal year:

	Wireless Door Locksets	Alternate #1 Door Closers	Integrated Controller/PIM	Total
Anderson Lock	\$1,005,500	\$108,800		\$1,114,300
Video Security Systems			\$177,999	\$177,999
	\$1,005,500	\$108,800	\$177,999	\$1,292,299

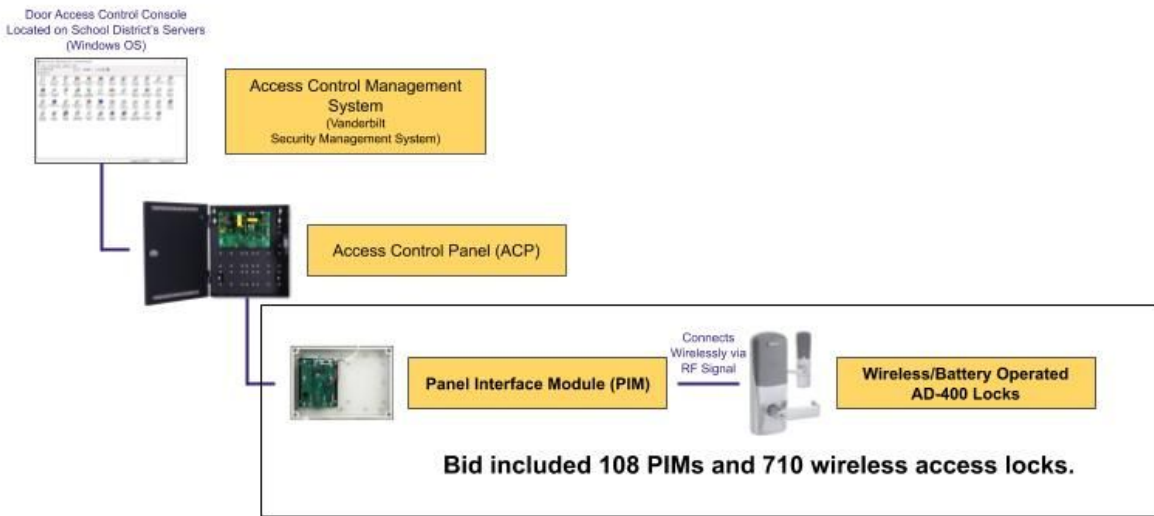
Background

Since February 2018, members of the school and district leadership teams have worked together to discuss and address topics related to creating a safe and secure campus environment. To facilitate these efforts, a task force was created to carefully study improvements that can be made to district facilities and develop a three-year strategic plan for facility safety improvements to be approved by the Board of Education. The unanimous top priority of the task force is to initiate a rekeying of all physical locks, while transitioning to electronic door access locks for all exterior, department/large meeting spaces and classroom doors. A historical memo has been attached for reference.

In response to this priority, a formal bid was conducted for 710 wireless access locks to be installed and configured across the Glenbrook North, Glenbrook Off-Campus, and Glenbrook South campuses. Bid specifications were distributed to eight certified installers, and two bids were received. A separate, a request for quotation was also distributed to eight certified vendors for the 108 integrated controller/PIMs (network equipment to be received and installed by Glenbrook personnel), and three quotations were received. A summary the responses received are presented in the table that follows.

	Wireless Door Locksets	Integrated Controller/PIM
Anderson Lock	\$1,114,300	\$178,300
LaForce	\$1,786,220	n/a
Video Sound Systems	n/a	\$177,999
Advent Systems	n/a	\$183,290

To provide additional context into the the two components to be purchased (wireless door locksets, integrated controller/PIM), a summary overview is presented in the diagram that follows.



As referenced in the recommendation chart, an alternate bid proposal has been recommended to install door closers onto all classrooms doors. Installation of door closers (as pictured below), will ensure that the classroom doors remain closed. By have all doors closed, a lockdown command would be effective in restricting access to a learning space, in the instance of an emergency situation.

Without Door Closer (Stays Open)



With Door Closer (Must Be Held Open)

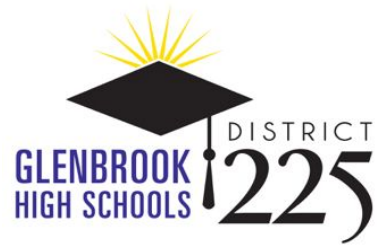


Funding Summary

On June 24, 2018, the Board of Education took action to permanently transfer \$5,000,000 from the Operations and Maintenance Fund (20) to the Capital Projects Fund (60) for the purpose of “enrollment-driven projects, safety and security projects, physical plant repairs, and learning spaces furniture and equipment”. Funding from this transfer will be utilized to fund the electronic door locks safety and security project. A summary of the total amount of funds to be allocated for safety and security projects is presented in the table that follows.

Location	Description	Cost
Completed Project		
All	Secure Main Entrances	\$145,830
Projects Bid to be complete FY19/20 school year		
GBN and GBS	Door Replacement	\$501,937
GBN and GBS	Physical Structures (e.g. bollards)	\$157,000
GBN, GBS, OC	Building Mounted Lighting	\$62,500
GBN, GBS, OC	Electronic Door Access	\$1,292,299
Subtotal		\$2,159,566
7% architectural fee*		\$125,323
6% construction management fee*		\$90,805
2% contingency		\$43,191
Total Cost of Capital Projects		\$2,418,885

* The fees for the electronic door locks project has been reduced to 5% (architectural) and 3% (construction management). The fees for the door replacement, physical structures, and secure main entrances remains 7% (architectural) and 6% (construction management).



To: Dr. Mike Riggle
Board of Education

HISTORICAL MEMO

From: Dr. R.J. Gravel
Dr. Kim Ptak
Mr. Joel Reyes

Date: Monday, February 25, 2019

Re: Recommended Safety and Security Task Force Capital Projects for Summer 2019

Recommendation

It is recommended that the Board of Education authorize the District administration to work with ARCON Associates, the District architect, to develop bid specifications for the four Safety and Security Task Force Recommendations to be completed during the 2019 summer months.

Background

Since February 2018, members of the school and district leadership teams have worked together to discuss and address topics related to creating a safe and secure campus environment. To facilitate these efforts, a task force was created that included:

District Administration

- Superintendent
- Assistant Superintendent for Business Services
- Assistant Superintendent for Educational Services
- Assistant Superintendent for Human Resources
- Director of Operations
- Director of Communications and Public Relations
- Safety and Security Manager

School Administration

- GBN/GBS/GBE Principals
- GBN/GBS Associate Principals for Administrative Services
- GBN/GBS Assistant Principals for the Dean's Office
- GBN/GBS Plant Operators/Assistants
- GBOC Instructional Supervisor

Police and Fire Representatives from Both Villages (as needed)

- Northbrook Fire DC Dave Crawford
- Northbrook Police Investigations Cmdr Mark Graf
- Glenview Fire DC Paul Klicker/Lt. Derek Selzer
- Glenview Police Investigations Cmdr Jason Saikin

Others (as needed)

- District Architects and Construction Management
- Technical Experts and Consultants

The focus of the taskforce was to “carefully study improvements that can be made to district facilities and develop a three-year strategic plan for facility safety improvements to be approved by the Board of Education and incorporated into the existing decision-making process for district facilities” (Safety and Security Update, April 23, 2018). Recognizing that the Board of Education had already taken substantial steps to address steps in this area through the engagement in an external security audit (FEA), the recruitment of a Safety and Security Manager, and the provisioning of \$2,000,000 for future safety enhancements, the three year strategic plan was considered to have begun in February 2018.

In considering the development of a strategic plan, the task force arrived at unanimous consensus regarding three priorities for which they recommend that would provide great benefit for the safety of our campuses:

Priority 1

Initiate a rekeying of all physical locks, while transitioning to electronic door access locks for all exterior doors and classroom doors. The transition to electronic door access locks will enable schools to leverage existing technologies to maintain awareness regarding the status of doors and other access points, and to lock-down the campus in the event of an emergency.

In preparation for outlining the scope of this project, the Associate Principals for Administrative Services and Plant Operators at both Glenbrook North and Glenbrook South have walked their facilities and identified doors in one of three categories:

- **Learning Spaces**
These are the doors to our learning spaces. If a space had multiple access doors, only those doors which were routinely utilized for student access were counted.
- **General Offices**
These are the doors to general office spaces (e.g. department office, main office, Nurse’s Office). Doors to private office spaces were not counted.
- **General Access Spaces**
These are doors to general spaces for staff and students such as cafeterias, libraries, shared laboratories, and the student activity centers.
- **Exterior Doors**
These are exterior entry doors utilized by staff and/or students. In cases where there are multiple banks of doors servicing a part of the facility, a single door within a set of banks was identified and counted.

Following the walk-through and an extensive review by the school and district leadership teams, a set of facility maps identifying each door and assigned category was prepared. After excluding existing electronic door locks, the total count of new locks to be installed would include:

- Glenbrook North - 320 Locks
- Glenbrook South - 350 Locks

It should be noted that the District Administration Building, Glenbrook Off Campus/Evening High School facility, and the Glenbrook Transition Services suite in downtown Northbrook have already been converted to electronic locks. While the counts for Glenbrook North and South above do not include all doors (e.g. storage closets, maintenance areas), they do represent the areas that would need to be need to be locked down in a crisis situation. Our goal would be to address all of these doors during the 2019 summer months, and to continue replacing and rekeying existing legacy locks and handles over the next several years.

Initial cost estimate for this work is \$1,000,000.



Priority 2

Replace damaged and poorly functioning doors throughout both school buildings. New doors will have bullet resistant glazing. There are approximately 60 classroom doors throughout Glenbrook North and Glenbrook South where, unless replaced, an electronic lock will not properly secure the area. Either the door itself is warped and not closing properly, the current hardware does not support an electronic lock or the door itself does not allow for an electronic lock. It is recommended that these doors be replaced and the glazing of the door be impact resistant. New doors will also be ADA compliant and have lever handles as opposed to knobs. Additionally there are approximately 40 sets of "Total Doors" in areas such as cafeterias, athletic spaces and auditoriums where an electronic lock can not be supported. "Total Doors" are essentially a double door system that do not require a mullion and were common in the 90s. They have an internal locking mechanism that will not work with an electronic lock system. Additionally, these doors are a security concern as the internal locking mechanism is weak and the doors can be forced open and often do not automatically shut.



Initial cost estimate for this work is \$500,000.

Priority 3

Install physical structures (e.g. bollards) around the perimeter of the school building, specifically at main entrances, to provide an additional safety barrier. Barriers will be able to serve decorative and functional purposes (e.g. planters, seating areas for students), while also providing protection for vulnerable areas of our campus where students regularly gather. (Estimate - \$180,000)

Initial cost estimate for this work is \$180,000.



Priority 4

Add building mounted lighting at main entrances and walkways where needed.

A photometrics study was completed at all main entrances and walkways. Building mounted lighting is recommended to enhance the lighting in several areas throughout the campuses. (Estimate - \$60,000)

Initial cost estimate for this work is \$60,000.