

**GLENBROOK HIGH SCHOOLS**  
**District Business Office**

**TO: Dr. Mike Riggle**

**FROM: Kimberly L. Ptak**  
**Marcus Thimm**

**DATE: MAY 19, 2014**

**RE: APPROVAL OF IP SECURITY CAMERA SYSTEM UPGRADE**

**Recommendation**

It is recommended that the Board of Education approve a proposal for an IP security camera system to Netrix at a price of \$265,000. This system will replace the current digital security camera system. 43% of the project or \$119,600 will be paid for with funds received from the Illinois School Security Grant. Depending on the acceptance status of other districts receiving the grant, additional funds may be given to the district and will be used towards this project.

**Background**

In 2008, the Board approved a Pelco digital security camera system at GBN and GBS which was funded with referendum money. There are currently 50 cameras at GBN and 45 at GBS deployed primarily in the parking lots, main entrances, high trafficked hallways and common space.

The Pelco system is now five years old, not under warranty and current camera technology has vastly improved. The old digital camera system uses coax cable connections between cameras and Digital Video Recording (DVR) servers and requires electrical power to each device. The digital cameras do not provide sufficient image quality and the DVR servers (several per school) are proprietary causing repairs and replacements to be costly and time consuming.

The new IP network based solution comprises of AXIS IP cameras and ExacQ virtualized video management servers (only one per school needed). AXIS is the market leader in IP camera technology that provides high-resolution (HD TV) image quality and addresses identified shortcomings of the existing camera system. All cameras are connected and powered through the district's computer network, requiring only one cable connection.

The system is expanding to 91 cameras at GBN and 100 cameras at GBS. The expanded system will allow coverage in areas such as the 2<sup>nd</sup> floor, field house, auditorium, IMC, CPA lobby, maintenance loading dock and music wing in addition to the areas which are currently covered (parking lots, main entrances, hallways, cafeterias and common space).

**Request for Proposal (RFP) Process**

Marcus Thimm, Kim Ptak, John Finan, Gary Freund, Ron Bean, Bill Eike and other school staff were involved in the overall RFP process. This group identified the current problems and deficiencies with the Pelco camera system and the resulting impact on school operations.

The group partnered with two security-consulting firms to develop school maps with camera placements and camera features that are needed to address these concerns. These maps and specifications were then included in the districts standard RFP package and sent to various vendors and manufacturers. Four vendors participated in the process, but only three responses were received.

The group reviewed all RFP responses for accuracy and engaged in software demonstrations and camera demos.

The proposals include cameras, software, installation, cabling and network patch panels, staff training and equipment warranties. The cameras have a 3-year warranty. Labor is included in the first year, after the first year an extended warranty can be purchased for \$7,400/ year.

**Proposals**

Netrix	\$265,000.00
IDNH Hoffman	\$403,449.04
Kratos	\$470,325.00
Euthenics	did not submit a formal proposal
Estimate	\$250,000.00