

Chronology- Physical Security Systems Upgrade and Expansion at Cross Keys HS (Convergent Technologies)

The Division of Information and Instructional Technology (DIIT), in coordination with district leadership, school safety stakeholders, and facilities staff, identified the need to upgrade and expand physical security systems at Cross Keys High School as part of ongoing renovation and expansion efforts. Planning activities were aligned with phased construction sequencing (Phases D, H, J, and L) and focused on ensuring that all renovated and newly constructed spaces are equipped with fully integrated, district-standard security infrastructure.

Following this planning process, DIIT worked with Convergent Technologies to develop a comprehensive scope of work for access control, intrusion detection, and video surveillance systems. The proposed solution is designed to align with existing district enterprise security platforms, support centralized monitoring and management, and ensure consistency across all facilities. The scope includes system design, equipment procurement, installation, programming, commissioning, and testing, as well as coordination with construction activities to ensure seamless integration with building improvements.

Key Services Include:

Physical Security System Enhancements = \$427,400.00

Access Control System (ACS):

- Installation of district-standard LenelS2 OnGuard access control system components to support expanded and renovated areas
- Installation of new LifeSafety enclosures and Mercury controllers across MDF and IDF locations to support both current and future phases
- Installation of exterior and interior card reader door packages, including readers, request-to-exit sensors, and door position monitoring devices
- Installation of monitored door packages with door position sensors and alarm sounders to enhance door monitoring and security compliance
- Reconnection of existing access-controlled doors and conversion of additional doors to ensure a unified, campus-wide access control system
- Integration of all access control devices into the district's centralized enterprise platform for consistent monitoring and management
- Device hardening, system programming, and full functional testing to ensure system reliability and cybersecurity alignment

Intrusion Detection System (IDS):

- Installation of Bosch intrusion detection control panel and supporting power infrastructure within designated telecommunications and electrical spaces
- Deployment of motion detection sensors, overhead door position sensors, and intrusion input modules throughout renovated and newly constructed areas
- Integration of intrusion detection system with the access control platform to enable centralized monitoring and coordinated alarm response
- Installation of supporting infrastructure to accommodate phased construction and ensure continuous system operation during renovation activities

- Programming, commissioning, and full system testing of all intrusion detection components
- Provision of monitoring services during the construction period to maintain continuous protection of the facility

Video Surveillance System:

- Installation of enterprise video management system and network video recording infrastructure aligned with district standards
- Deployment of a combination of multi-sensor cameras, dual-sensor cameras, fisheye cameras, and standard dome cameras to provide comprehensive interior and exterior coverage
- Installation of camera mounting hardware and associated components to support optimal placement and coverage across the facility
- Integration of video surveillance system with access control platform to enable visual verification of security events
- Configuration, programming, commissioning, and full system testing to ensure operational readiness and system performance

Project Implementation and Support Services:

- Project management and coordination with district staff, contractors, and renovation teams to align security installation with construction schedules
- Equipment procurement, delivery, staging, and logistics management
- Installation, mounting, and termination of all security devices and system components
- Device hardening to reduce cybersecurity risk, including securing configurations and updating firmware where applicable
- System programming, commissioning, testing, and validation of all installed components
- Training for district personnel and delivery of system documentation
- Warranty services to support ongoing system reliability and performance

Contingency = \$64,110.00

A contingency amount of 15% above quoted costs is included to manage unforeseen conditions associated with network installation in a new construction environment and to ensure timely project completion.

Procurement

Pursuant to Board of Education Purchasing Policy DJE III.C.3., purchases or contracts with a total estimated cost of \$100,000.00 or more shall be awarded through a written competitive sealed bid process to the lowest responsible, responsive bidder, or through a competitive request for proposal process where the offer deemed to be the most advantageous to the District may be selected. The competitive solicitation for RFP 22-475 was conducted in accordance with DeKalb County School District procurement policies.

Financial Impact:

Category	Description	Cost
Physical Security System Enhancements Summer Renovations	Access control, intrusion detection, and video surveillance systems including equipment, installation, programming, and commissioning services	\$427,400
Contingency	Additional 15% above quoted amount for unforeseen conditions	\$64,110
TOTAL		\$491,510 requested