

Chronology: Network Cabling, Fiber Infrastructure, and Wireless Equipment Relocation (ICN)

Ashford Park Elementary School, Champion Theme Middle School, Cross Keys High School, Idlewood Elementary School, The International Student Center, Murphey Candler Elementary School, and Park Lake Administrative Building

The Division of Information and Instructional Technology (DIIT) identified the need for targeted network infrastructure improvements, repairs, and reconfiguration services across multiple district facilities. These needs were validated through coordination with district operations, facility maintenance activities, and technology staff to ensure continued reliability, safety, and performance of instructional, administrative, and operational systems.

Following the planning phase, DIIT worked with Integrated Communication Networks, Inc. (ICN) to develop a comprehensive scope of services focused on maintaining and enhancing the district's existing network infrastructure while also supporting new and reconfigured instructional and operational spaces. The proposed work includes structured cabling installation and repair, fiber connectivity enhancements, telecommunications room buildouts, cable management improvements, wireless access point and security device relocation, and associated labor services. All work is coordinated with ongoing facility improvements and operational needs to ensure minimal disruption and continued system functionality.

Key Services Include:

Structured Cabling Systems, Fiber Connectivity, Repairs & Testing = \$367,396.07

- **Ashford Park Elementary School**
 - Installation of Category 6A structured cabling to support administrative offices, media center, cafe areas, and non-classroom operational spaces
 - Installation of patch panels, cabling pathways, and supporting infrastructure to align with district standards
- **Champion Theme Middle School**
 - Installation of Category 6A data drops in front office and media center areas to support administrative and instructional operations
 - Expansion of structured cabling infrastructure to improve connectivity and capacity
- **Cross Keys High School**
 - Installation of Category 6A structured cabling across multiple building sections (D, H, J, L)
 - Support for temporary MDF environments, new IDF buildouts, and upgrades to existing IDF locations
 - Installation of telecommunications cabinets, ladder rack systems, fiber shelves, and patch panel infrastructure
 - Deployment of fiber connectivity components and associated terminations to strengthen network backbone
 - Installation of structured cabling, wireless data drops, and camera cabling to support portable classroom environments

- **Idlewood Elementary School**
 - Installation of Category 6A structured cabling for administrative offices, media center, and shared operational spaces
 - Installation of cabling pathways and patch panels to support district-standard connectivity
- **The International Student Center**
 - Installation of Category 6A structured cabling to support administrative and operational areas
 - Relocation of IDF infrastructure including associated fiber and copper cabling systems
 - Installation of ladder racks, pathway supports, and associated infrastructure
- **Murphey Candler Elementary School**
 - Installation of Category 6A structured cabling to support administrative offices, media center, cafe areas, and shared spaces
 - Installation of patch panels and supporting infrastructure to ensure consistent network performance
- **Park Lake Administrative Building**
 - Replacement and repair of existing Category 6 cabling infrastructure
 - Installation of armored single-mode fiber connectivity between MDF and multiple IDF locations
 - Installation of fiber shelves, modules, and patching infrastructure to support backbone connectivity
 - Testing and validation of existing and newly installed cabling systems

Network Infrastructure Cleanup & Cable Management = \$3,625.00

Ashford Park Elementary School

Ceiling cleanup and cable management, including dressing and supporting low-voltage cabling in classrooms and hallways

Installation of J-hooks, supports, and pathway components to improve cable organization and safety

Idlewood Elementary School

Ceiling cleanup and cable management across instructional and hallway spaces

Installation of cable supports and pathway components to align with district standards

Wireless Access Point and Security Device Relocation = \$26,705.70

- **Ashford Park Elementary School**
 - Removal, storage, and reinstallation of wireless access points and interior cameras to support facility improvements
- **Champion Theme Middle School**
 - Removal and reinstallation of wireless access points and cameras to maintain system functionality during renovations
- **Idlewood Elementary School**
 - Removal and reinstallation of wireless access points and cameras, including temporary storage and redeployment
- **The International Student Center**
 - Removal and reinstallation of wireless access points and interior cameras to support facility reconfiguration
- **Cross Keys High School**

- Installation and activation support for wireless access points within portable classroom environments
- Support for wireless connectivity to ensure consistent instructional access across temporary spaces
- **Park Lake Administrative Building**
 - Installation and configuration of wireless access points and supporting infrastructure to maintain administrative connectivity

Labor = \$74,547.01

- Installation, repair, and configuration of structured cabling and fiber infrastructure across all locations
- Termination, testing, certification, and validation of copper and fiber systems
- Removal and reinstallation of wireless access points and security devices
- Cable management, pathway installation, and infrastructure cleanup activities
- Coordination with district operations, facility teams, and project stakeholders to ensure alignment with timelines and district standards

Contingency = \$70,841.07

A contingency amount of 15% above quoted costs is included to address unforeseen conditions associated with renovation, repair, and infrastructure modification activities and to ensure timely completion of all work.

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. Integrated Communication Networks, Inc. (ICN) was awarded through RFP 26-703 for District-Wide Cabling Equipment and Services. This procurement will be executed in accordance with applicable district purchasing policies and established contracting vehicles

Financial Impact:

Category	Description	Cost
Structured Cabling Systems, Fiber Connectivity & Wireless	Category 6/6A cabling installation, repair, fiber backbone installation, testing, IDF/MDF buildouts, and infrastructure improvements across all locations	\$367,396.07
Network Infrastructure Cleanup & Cable Management	Cable organization, pathway support, and infrastructure cleanup	\$3,625.00
Wireless Access Point and Security Device Relocation	Wireless equipment installation and relocation, including access points and supporting components	\$26,705.70
Labor	Installation, configuration, testing, relocation, and project coordination	\$74,547.01
Contingency	Additional 15% above quoted amount for unforeseen conditions	\$70,841.07
TOTAL		\$543,114.85

