

Chronology- Network Infrastructure and Connectivity Services New Dresden Elementary School (ICN)

The Division of Information and Instructional Technology (DIIT) identified the need for comprehensive network infrastructure and connectivity services to support the opening of New Dresden Elementary School. These needs were validated through planning activities associated with new school construction, district network standards, and coordination with construction and instructional technology teams.

Following the planning phase, DIIT worked with Integrated Communication Networks, Inc. (ICN) to develop a scope of services focused on establishing the core network foundation required for instructional, administrative, and operational systems. The proposed work includes structured cabling, telecommunications room buildouts, wireless infrastructure services, and fiber connectivity, all coordinated with construction milestones to ensure network readiness prior to school opening.

Structured Cabling Systems =\$571,374.07)

ICN will provide Cat 6A structured cabling and telecommunications room buildouts to support all instructional and administrative spaces within the new facility, including:

Installation (\$318,517.20)

- Includes Cat 6A data, wireless, and camera cabling; installation of MDF and six IDF cabinets; ladder rack systems; fiber termination; patch panels; cable management hardware; and associated labor and materials.

Expansion (\$252,856.87)

- Includes additional Cat 6A cabling, two IDF buildouts, fiber termination, patch panels, ladder rack expansion, cable management hardware, and associated labor and materials to complete the facility buildout.

These services establish the physical network backbone required to support all wired and wireless systems within the school.

Wireless Infrastructure Services =\$19,393.60

ICN will support wireless connectivity through a combination of new equipment installation and reuse of existing district assets, including:

- Installation of new wireless access points with mounting hardware and licensing
- Installation services for wireless access points to ensure proper coverage and performance
- Removal of existing wireless access points from the old Dresden Elementary School building and reinstallation in the new facility

This approach ensures consistent wireless coverage while maximizing the reuse of existing district-owned equipment.

Fiber Connectivity =\$4,200.83)

To support connectivity between facilities and ensure seamless network integration, ICN will provide fiber installation services, including:

- Installation of indoor-outdoor plenum multimode fiber between the old school MDF and the new school MDF
- Fiber termination, fiber shelves, modules, and associated pathway hardware
- Testing and verification of fiber connectivity

This fiber connection ensures continuity of network services during the transition from the old building to the new facility.

Contingency (\$89,245.28)

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

In accordance with 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 26-703 was conducted in accordance with DeKalb County School District procurement policies.

Financial Impact:

Category	Description	Cost
Structured Cabling Systems	Cat 6A initial structured cabling	\$318,517.20
	Cat 6A structured cabling expansion	\$252,856.87
Wireless Infrastructure Services	Installation of new wireless access points with mounting hardware, licensing, and installation services	\$11,463.60
	Removal and reinstallation of existing wireless access points from the old building to the new facility	\$7,930.00
Fiber Connectivity	Installation and termination of indoor-outdoor plenum multimode fiber between the old MDF and new MDF	\$4,200.83
Contingency	Additional 15% above quoted amount for unforeseen conditions	\$89,245.28
Total		\$684,213.78 requested