



Executive Summary Board of Education Meeting

DATE: February 5, 2026

TOPIC: Renaissance Communication System Installation of Data Rack

PREPARED BY: Jordan Stephen

Recommended for:

- Action
- Discussion
- Information

Purpose/Background:

Over the past year, the District has continued to take steps to improve video security across all schools. One of the most significant recent upgrades was the District-wide camera system replacement. This year, we contracted with Renaissance Communication Systems to install new Rhombus cameras throughout the District. The system has performed well, and the project was successfully completed.

There is, however, one ongoing issue that is not related to vendor workmanship. We are experiencing some disconnections from a couple camera feeds located in the Rutledge Hall parking lot. This issue existed previously when the District worked with Access Master and our old equipment and continued even after all camera cabling was rewired as part of the Rutledge Hall remodeling project.

The root cause of the problem is the overall length of the network cabling running from the Rutledge Hall server room to the cameras mounted on the parking lot light poles. Standard Ethernet cabling for IP video cameras has a maximum effective distance of approximately 100 meters (328 feet). For high-resolution or multi-view cameras, the effective distance is shorter. The current cable runs are approximately 400 feet, which exceeds recommended limits and results in signal and power instability.

To resolve this issue, the District plans to install a small data rack outside the main office conference room. This rack will house a network Ethernet switch, a power strip, and space for Power over Ethernet (PoE) extenders if needed. This solution will correct both distance and power limitations and will also provide a centralized connection point for any future cameras installed in the parking lot or near Rutledge and Lincoln Hall.

This project would be installed and managed by Renaissance Communication Systems and would include all components necessary to integrate seamlessly with the District's existing access control and camera systems.

Fiscal Impact:

\$4,800 for all materials, equipment, installation of low voltage connections, installation of standard electrical connections and re-termination and testing of all components.

Recommendation:

The Finance Committee members in attendance stated their support for the Administration's recommendation to the Board of Education to approve the quote from Renaissance Communication Systems for the installation of a network rack at Rutledge Hall in the amount of \$4,800.