

District Wide Wireless Network Refresh

April 10, 2025

Wireless Network Refresh

The wireless network upgrade is a crucial component of the **2023 Bond Project**. Here are the reasons for this necessary upgrade:

- **Replacement of Aging Infrastructure:** Our current wireless network infrastructure is at its end of life. Upgrading to a new system will ensure reliability and efficiency for a minimum of the next 10 years. This proactive replacement will prevent potential disruptions and maintain seamless connectivity.



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- **Increased Safety and Security:** The addition of access points will enhance safety and security. This upgrade will provide the Police Department with critical communication capabilities within the halls and outside the building, ensuring swift and effective response in case of emergencies. It will also give us more insight into wireless activity, increasing our overall cybersecurity.



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- **Exponential Increase in Devices:** Since the installation of our current wireless network, the number of devices connected to it has increased exponentially. This surge in device usage has put a significant strain on the existing infrastructure, necessitating an upgrade to accommodate the growing demand.



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- **Enhanced Capacity and Coverage:** The upgrade will significantly increase the capacity and coverage of our wireless network. The new wireless infrastructure will be 6.5 times faster. This improvement will be particularly beneficial in high-traffic areas such as gyms, outdoor spaces, and hallways, ensuring robust and consistent connectivity throughout these locations.



Cost and Funding

\$5,146,294.68

project cost

Bond 2023 and E-rate

funding

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