



### CHICAGO WEST LOOP

#### OVERVIEW

A skyline changing new construction project required Triumph Connections' expertise in network infrastructure design and build. The project anchored by a national bank prioritized security, quality, and stability. As a trusted advisor, Triumph Connections was involved in the earliest planning stages and managed multiple vendors as the central point of contact throughout the life of the project.

#### IMPLEMENTATION

Triumph Connections proposed a fast new network infrastructure worthy of a Class A new construction project. Industry leading network hardware created the foundation for a stable and secure network. The latest Meraki wireless access points were installed in large common areas and special purpose spaces for property management, security and engineering.

Plans called for two ISPs and two firewalls to ensure business continuity in the event of a failure by a single carrier or device. Failover was configured so the backup Internet service would immediately take over if the primary line experienced a failure.

In the final stage amenities areas were brought online to provide coverage for the fitness center, conference rooms and community spaces. The network was designed for speed and reliability. Access was considered for multiple areas including security, engineering, property management and guests.

#### RESULTS

The Class A new construction project concluded with a brand new network backbone with all new hardware, wiring, racks, patch panels and terminations. Wireless access was configured throughout common spaces including the lobby and outdoor areas. Triumph Connections managed multiple aspects of the project, including integration of core systems that required network access. The project was completed on time and on budget. Some key project highlights follow:

- Construction project was the newest Class A tall commercial build in Chicago.
- All new network build to accommodate VoIP, data and critical business systems.
- Modern wiring with zero copper lines installed for emergency, life safety and support.
- Integrated redundancy was built in for a seamless failover system.
- A new VoIP phone system was installed for all property management teams.

Cybersecurity measures, were implemented, including endpoint security and 24/7 monitoring to protect the network infrastructure and devices from cybersecurity attacks. A security assessment was conducted to form a baseline for compliance into the future.