wi-fiber

Arlington County Bus Depot
Redundant Point to Point Links
Arlington, VA

Arlington County is a dense, urban county in Virginia located just south of the nation's capital – the DC Metropolitan area. Arlington prides itself on being a national technology leader with abundant fiber, new technology test beds, and a diverse base of public and private sector technology companies.

Executive Summary

Arlington County required redundant gigabit links for a newly sited bus parking facility. In addition to providing connectivity, Arlington County also sought to pass layered traffic (multiple service VLANs) while maintaining a unique management IP and VLAN. Wi-Fiber deployed 2 sets of wireless 5G links as prime and redundant.

Deployment

Wi-Fiber utilized our point-to-point algorithm for this site. Marginal line of site was received by extending 5 ft. from the top of a pre-existing telephone pole. Wi-Fiber worked in conjunction with Arlington to site, survey, and deploy the dual links. Arlington County's physical gigabit fiber was provided at two individual on-net county buildings.

Link Speed

Link 1: 866 mbps (-53/-54 db)
Link 2: 650 mbps (-65/-67 db)

Application

The redundant links provided Arlington county with an abundance of bandwidth and for intranet and internet applications.

1. Security and Surveillance – Cameras
2. 2. Internet and Intranet Bandwidth
3. 3. Extension of Arlington County network through Wi-Fiber