Winston-Salem State University

Case Study

Fiber Backbone in New Underground Bored Pathway Connects Campus Buildings

Summary

AFL provided a single-mode fiber optic backbone network infrastructure to connect several campus buildings at Winston-Salem State University (WSSU).

Challenge

AFL bored and installed over 25,000 feet of fiber optic cable to create a new backbone for WSSU's local area network. The project pathway was challenging terrain and involved boring alongside existing utilities without causing any interruptions. The timeframe was also challenging as the new backbone was needed before construction could begin on their new classroom building.

Solution

AFL handled the project management of all boring operations and pulled in 25,000 feet of fiber and copper backbone. AFL provided design assistance in planning the routing of the new duct bank, handhole and conduit sizing. Additionally, AFL implemented a flexible work schedule to avoid disruption of ongoing campus activities.

Results

Construction on the new classroom building started on time. WSSU students are now able to enjoy a state-of-the art classroom environment with high-bandwidth network connections throughout as they prepare to enter the workforce as future educators.

AFL