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Project Managers: Tom Theimer, Jolene Simmons
Architect: Archi-Technology
Location: Various Campus Buildings

Network Connectivity Program
Network Infrastructure Upgrades

Project Description:
The Network Connectivity Program is a 3-year initiative to design and construct a modern network infrastructure to support high-speed data and wireless network services in 47 selected buildings on Cornell’s Ithaca campus. Thirty buildings are identified for a network upgrade and seventeen buildings are identified for a wireless only upgrade.

The current Cornell University wiring infrastructure in many buildings can support the near-term networking needs for most of the campus community; however, this infrastructure cannot maintain information at the higher data speeds which can be utilized by contemporary devices – speeds which are now required for network-intensive applications. In addition, many of the current facilities have inadequate spaces, unsecured access, and insufficient environmental controls appropriate for the placement of new data electronics. The Network Connectivity project will increase data speeds to gigabit capabilities, provide building-wide wireless coverage, support IP-based telephony, and standardize the cable plant within buildings.

Project Status:
Fully-wired Building Upgrades: Phase 1 (7 buildings) pathway installation work is 95% complete and cable installation is 60% complete. CIT is starting network equipment upgrade and service cutover in 2 buildings. Phase 2 (11 buildings) pathway installation work is 15% complete. Bids for Phase 3 work (5 buildings) are due in January. Design for the remaining buildings is progressing.

Wireless-only Building Upgrades: Construction is complete in 22 buildings (includes building complexes and change orders).

For more information on the NCP project, see http://www.it.cornell.edu/about/projects/ncp/.