



## CBN CONNECT

# THIS MODERN NETWORK WILL PROVIDE BROADBAND SERVICE THAT WILL ALLOW THE AREA TO THRIVE

This project was initiated by the Industrial Development Agencies in three counties: Clinton, Essex and Franklin, NY, and the Town of Plattsburgh (the Consortium). It was based on the premise that there was a need for affordable broadband access throughout the three counties and that the existing providers were not presently meeting the demand, because they could not justify the capital investment due to the rural nature of the area. The Consortium commissioned a study that projected \$120M in economic benefits would result over ten years, significantly enhancing business development in the tri-county region. A task force was then formed to secure funding and give the project legs.

The CBN Connect goal was to establish a world-class broadband communications system that supports affordable, abundant, secure broadband services for all users, create new markets for retail telecom service providers, enable expanded cellular coverage and offer a choice of competitive retail services to end users.

Adesta engineered the first phase of the CBN Connect network. The \$450K contract included the design and detailed engineering for a 443-mile fiber optic network. The network was to be deployed in the Adirondack Region of New York State throughout Essex, Franklin, and Clinton Counties, providing the area with the available capacity to deliver broadband services to its residents, businesses, healthcare providers, and educational institutions. It also provides a scalable network with the required bandwidth to provide access to global information, resources, and markets beyond the boundaries of the Region.

The fiber optic ring connects members of the Adirondack Champlain Telemedicine Information Network, a group of non-profit rural clinics, hospitals, and colleges to each other. This connection provides patients, physicians, nurses, and students access to medical information and care regardless of their physical separation. Medical personnel and students are able to interact through real-time video

connections. Internet service providers can lease bandwidth on the network and therefore offer high-speed Internet service in areas they were not been previously able to reach.

"We were pleased to work with Adesta on the important engineering design phase of CBN Connect," said Julie West, CBN Connect Project Coordinator. "The experience that their staff brings to rural broadband initiatives like ours gave us added confidence that our project would begin with the comprehensive design approach that Adesta is known for."

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