



Networking New York to the Future
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NON-PROFIT'S FIBER NETWORK WILL CIRCLE MANHATTAN

NYSERNet To Provide Museums, Colleges and Hospitals with Dedicated Fiber Optic Network

TROY and NEW YORK, May 13, 2003 – A new fiber optic network will be built in Manhattan to provide the City's large educational, research and health institutions with massive networking capacity at substantial long-term savings. It is among the first fiber networks in the nation built expressly to meet the needs of the not-for-profit sector. It is also the first deployed and operated in Manhattan by a private not-for-profit and the first new fiber optic network built in Manhattan since September 11, 2001.

NYSERNet (New York State Education and Research Network), the not-for-profit organization delivering advanced network services to educational and research institutions statewide, announced that work has begun to lay the fiber optic cable in New York City. NYSERNet will hold exclusive long-term rights on the fiber, allowing the network infrastructure to be managed and controlled by a not-for-profit focused on the networking requirements of participating institutions.

NYSERNet expects the project to be completed within 10 months. The fiber will cover an area from Battery Park up the west side to the northern most areas of Manhattan and back to the Battery via the eastside of Manhattan; it will include several cross-town cutovers.

NYSERNet's Fiber Network To Benefit NYC Non-Profits

The NYSERNet Fiber Network will connect participating New York City non-profit museums, colleges and hospitals to a variety of network services, including state, national and international proprietary research networks. It will also enable enhanced networking capability, including VoIP

(Internet telephony) and full-motion broadcast-quality video images. Names of participating institutions have not yet been made public.

“Continual enhancement of the rich array of research, educational, medical and cultural contributions by participating institutions requires enhanced, scalable networking capabilities without increased costs,” said Dr. Timothy Lance, NYSERNet Chairman and President. “Those needs will now be met through NYSERNet’s fiber network.”

“We are extremely enthusiastic that NYSERNet is building a next generation network for some of our City's major educational, cultural, and health institutions,” said Council Member Gale A. Brewer, Chair of the Select Committee on Technology in Government. “Moving forward, the NYSERNet model will be invaluable as we decide how to best ensure that affordable broadband technology is accessible to small- and medium-sized businesses, homes, and schools across the five boroughs of New York City.”

Colocation Site Home to High-Performance Exchange Point

In a separate announcement last week, NYSERNet, in conjunction with Internet2 and Indiana University, announced a new high-performance exchange point in New York City to facilitate peering among U.S. and international research and education networks. Known as “Manhattan Landing” or MAN LAN, the exchange point has been established at NYSERNet’s colocation space. The exchange point is built on gigabit Ethernet technology, providing 1 and 10 Gbps connections to research and education networks. In addition to hosting the MAN LAN facility, NYSERNet plans to connect to MAN LAN at 10 Gbps. Internet2 is a consortium of universities nationwide that deploys advanced network technologies. Indiana University is home to the Global Research Network Operations Center that manages international network connections.

To enable a “meet me room” site dedicated to its participants, NYSERNet is leasing primary colocation facilities from Rudin Management, one of New York’s largest privately held real estate organizations.

“We are extremely pleased that NYSERNet has joined over 25 other carriers and businesses as customers of the HUB @ 32 Sixth. This building-owned, carrier-neutral, optical meet point is the largest of its kind in New York City. NYSERNet's business plan to support cutting edge research at

New York's world class institutions of higher learning, teaching hospitals and museums is exciting news for the New York economy,” said William Rudin, President of Rudin Management.

The colocation facility where MAN LAN is located will be carrier-neutral and the primary Point of Presence (PoP) for NYSERNet’s network. Additional colocation sites will provide access to additional services and redundancy in the event of disaster. Each participant will have a dark fiber connection to at least one of the colocation facilities, where the fiber will terminate, allowing participants to access many network services as well as other participants.

Benefits to Institutions, Science and Education

NYSERNet’s fiber network will provide participating institutions and their thousands of employees and students among multiple locations with an essential productivity tool, one that offers continuous connectivity among those multiple locations and access to proprietary research networks; speed and capacity for their expanding research and communications needs; and controllable, manageable costs.

NYSERNet’s connectivity to other networks throughout the state, country and world will allow for research collaboration and innovative projects, such as analysis of astrophysical, genetic and genomic data, remote microscopic visualization and advanced brain imaging.

Equally important, this dedicated fiber network will provide significant long-term cost containment for participating institutions. Information technology is typically a large-budget item, but costs have been rising prohibitively, including the cost of vendor-controlled “carrier hotel” colocation facilities and multiple local loops to connect to the network services institutions depend on. The NYSERNet Fiber Network infrastructure model will save costs by reducing or eliminating incremental charges for increased bandwidth and create the ability to incorporate new services independently, flexibly taking advantage of commercially available network technology as they continues to evolve.

About NYSERNET

NYSERNet is the not-for-profit organization that has delivered next-generation networking services to New York State educational and research institutions since the birth of the public Internet.

NYSERNet facilitates member organizations’ use of advanced network services. These services include a dedicated New York State Research Network, access to national and international research networks, and cost effective access to high speed Internet services. Founded in 1985, NYSERNet was among the first organizations in the nation to deploy Internet services statewide and is one of

the country's original regional networks established to support research nationally. More information about NYSERNet can be found at www.nysernet.org.

About Rudin

Rudin Management is the operating arm of the Rudin Family holdings which consists of 10 million square feet of commercial space and 3 million feet of residential apartments. Recently named as one of the country's top ten most innovative owners by Realcomm, Rudin has revolutionized the way technology is integrated into physical real estate by developing some of the most technologically advanced and environmentally friendly projects in New York, including 3 Times Square, 55 Broad Street and 32 Sixth Ave. More information about the HUB @ 32 Sixth can be found at www.thehubat32sixth.com.

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