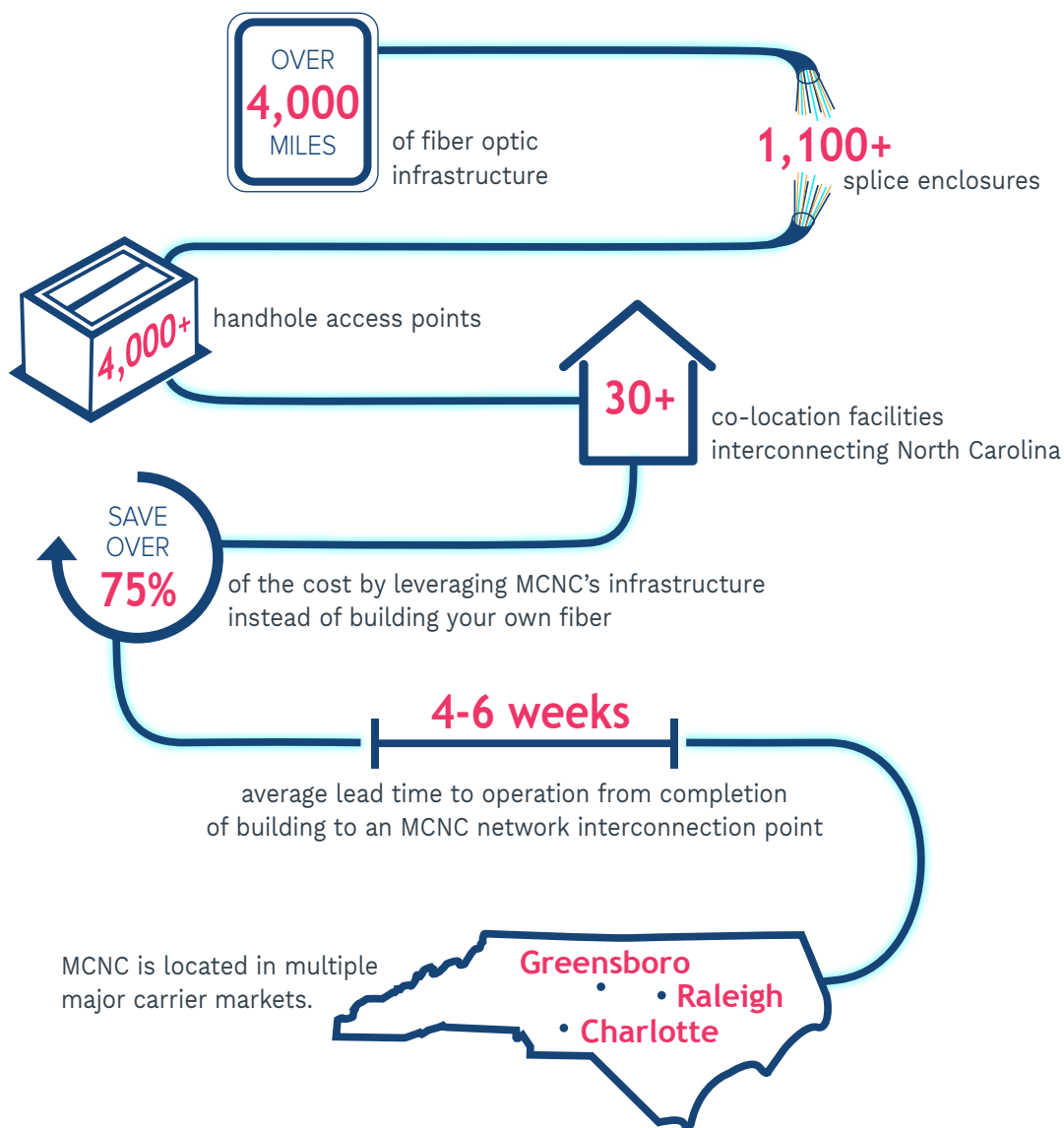


# Leveraging MCNC's Open Access Network

MCNC operates and manages a statewide backbone that serves Community Anchor Institutions in North Carolina in an open, non-discriminatory manner. In some areas, MCNC provides lit service and other middle-mile services to private-sector middle or last-mile providers or wholesalers within the MCNC service area at reasonable rates and terms.

## MCNC Infrastructure by the Numbers



## SERVICE OPTIONS

### Layer 1

- ✓ Lease Dark Fiber
- ✓ IRU Dark Fiber
- ✓ Optical Wave

### Layer 2

- ✓ Ethernet Service
- ✓ Point-to-Point Transport

### Other Services

- ✓ Regional Peering
- ✓ IPv4 Addresses (lease)
- ✓ 24x7x365 NOC
- ✓ Co-location
- ✓ Data Center
- ✓ Fiber Construction Management

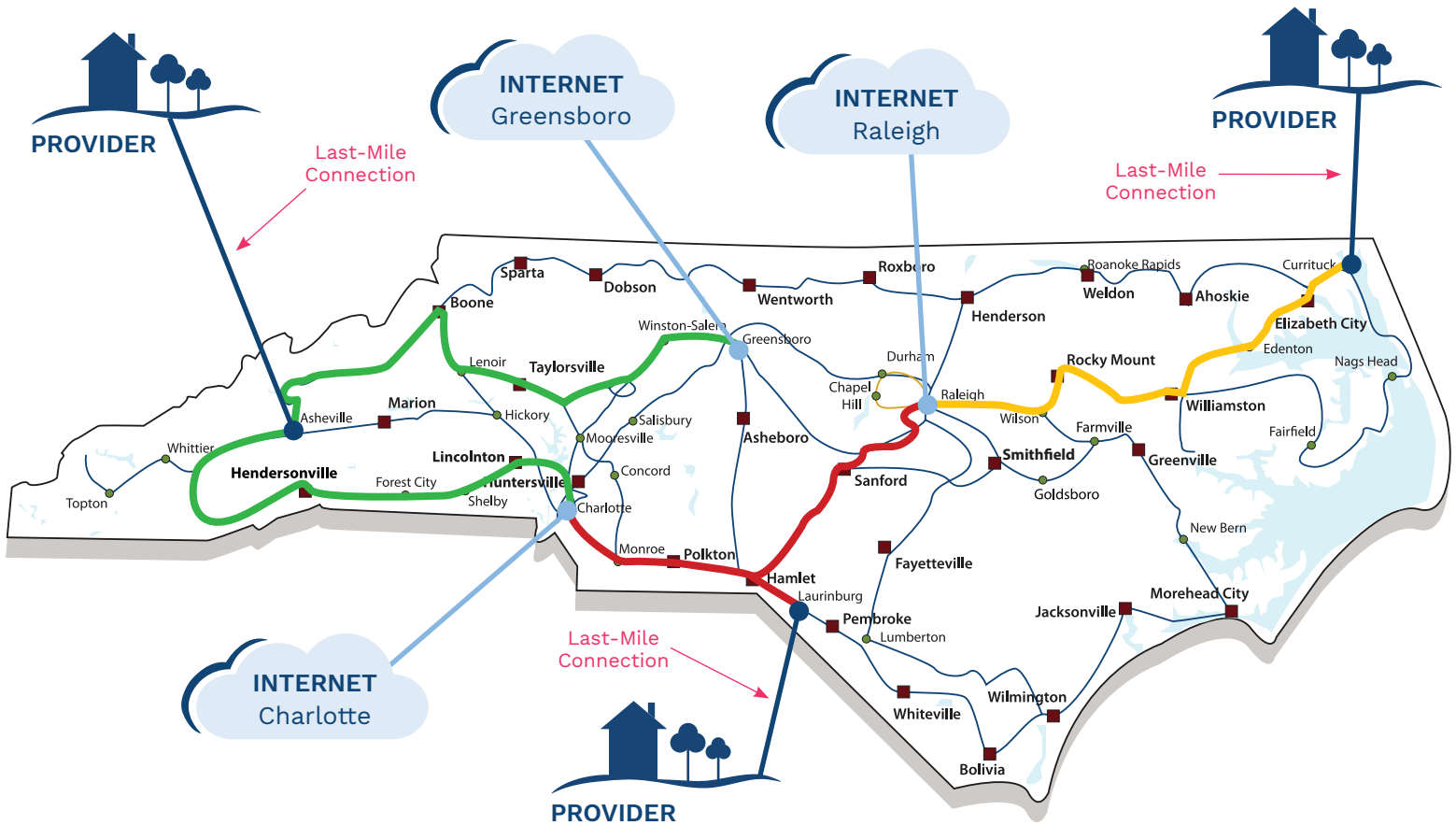
"MCNC's goal has always been to work with partners to expand connectivity into rural areas utilizing our middle mile fiber infrastructure. We welcome opportunities to find creative, cost effective ways to get service to communities that need it the most."

— Jean Davis, President & CEO



To connect to MCNC's infrastructure, contact us at (919) 248-1117 or via email at [info@mcnc.org](mailto:info@mcnc.org). Visit us online at [www.mcnc.org/services/fiber](http://www.mcnc.org/services/fiber) to learn more.

# Traversing the Network



Proudly Collaborating With



## KEY

- ISP can choose two paths to major carrier hubs
- ISP can choose two paths to major carrier hubs
- ISP opts to only fund one path to a major carrier hub

**Once interconnected to the network, traversing it to access major carrier POPs or interconnecting multiple locations can be provisioned.**

*“Since its award of the BTOP grants to expand broadband in North Carolina, MCNC has been committed to the principles and value of open interconnect networks. MCNC seeks to work with providers to expand commercial broadband to rural areas of North Carolina to serve residents and businesses alike so that all have equal access to premier broadband. We welcome opportunities to speak with any provider committed to this same value and we can be creative in customizing solutions.”*

– Tommy Jacobson, Vice President & COO

MCNC is a nonprofit, client-focused organization. Founded in 1980, MCNC owns and operates NCREN, one of America’s longest-running regional research and education networks. With 40 years of innovation, MCNC continues to provide high-performance services for education, research, libraries, health care, public safety, and other community anchor institutions throughout North Carolina.

To connect to MCNC’s infrastructure, contact us at (919) 248-1117 or via email at [info@mcnc.org](mailto:info@mcnc.org). Visit us online at [www.mcnc.org/services/fiber](http://www.mcnc.org/services/fiber) to learn more.