



Accelerating Fiber to the Home (FTTH) Rollouts for Community Connectivity

Fiber internet enables virtually unlimited bandwidth to optimize connectivity for all subscribers. Internet Service Providers (ISPs) seeking to offer high-speed broadband need a trusted partner to streamline FTTH infrastructure deployment in every phase from planning to activation. With years of experience across fiber optic design, engineering, construction, placement, splicing, and testing, Network Connex delivers smart, scalable design and implementation for FTTH systems.

Why Network Connex? From growing your business to delivering broadband for all, Network Connex ensures your FTTH infrastructure is technically sound and built for future demands. ISPs and fiber network operators can rely on Network Connex to be:

- An integrated strategic and technical partner
- A proven expert in every phase to enable rapid, reliable deployments
- Skilled in both inside plant and outside plant environments
- The single point of accountability in support of large or small FTTH rollouts



Grant-Ready Expertise

With deep experience supporting grant-funded broadband initiatives including **BEAD** (Broadband Equity, Access, and Deployment) and **USDA ReConnect**, Network Connex helps navigate the complexities to plan and deploy networks that meet strict program requirements.

Our team helps you:

- Gather the documentation to prepare competitive grant applications
- Develop funding-aligned engineering designs
- Navigate permitting and environmental reviews
- Deploy a compliant, futureproof FTTH system
- Inspect work quality and deliver as-builts to prepare for future needs





Fiber Services

OSP/ISP Design & Engineering

- High-level & low-level design (HLD/LLD)
- Fiber path network design
- Feasibility studies
- Site surveys & field data collection
- CAD design & drafting
- Civil, structural, & electrical drawings & analysis
- ROW permitting
- Utility pole attachments
- Utility coordination
- Construction coordination
- Program management
- Inspections
- As-built verification

OSP/ISP Splicing & Testing

- High count mass fusion splicing
- Single fiber fusion splicing
- Rollable/pliable ribbon fiber
- Microfiber cable
- Multimode & single-mode fiber
- Connectorization
- Emergency restoration 24/7/365
- Power metering
- Fiber characterization
- Optical identifiers
- OTDR tracing
- Documentation & troubleshooting

OSP/ISP Placement & Construction

- FTTH/FTTX drops
- MDUs
- Aerial & underground installations
- Building entry installations
- Backbone & campus ties
- Proofing & blowing
- Relocations
- Locating
- Conduit & duct bank installation
- Subducting
- Manhole/handhole placement
- Excavating
- Directional boring & specialty drilling
- Emergency restoration 24/7/365
- Network repair & maintenance

Who We Serve

- National, regional, and local ISPs
- Electric co-ops and other utilities
- Municipal broadband operators
- Fiber carriers and dark fiber providers
- Educational, medical, and industrial campuses

