



Uncover the Unknowns Up Front High-Level Fiber Design

Envision Fiber Deployment Success

Exploding demand for high-speed internet and massive federal funding awards are accelerating fiber's crucial role in digital connectivity for the whole population. But a lot has to happen before fiber can actually be deployed. For network providers, municipalities, data center operators, or carriers, doing the analysis to get a full picture of the project you're embarking upon can save a lot of hassle in later project phases. Information gathered from up-front investigation can also help make your case in grant applications.



Optimize Budget and Results

While it's common for a project to be completed within budget, truly optimizing spend through increased quality and reduced costs requires baseline information from early due diligence. During a high-level design engagement, Network Connex first reviews the scope, conditions, and capital improvement projects in the area. With an ingrained value engineering approach, our team completes:

- Broadband studies
- Feasibility studies
- Preliminary route design
- Initial cost planning

Keeping user experience, budget, and timeline goals in mind, we produce a report that highlights:

- Risks
- Considerations
- Cost expectations
- Suggestions

Armed with consultative guidance from recognized experts, you're prepared with a realistic scope and budget to launch a successful deployment.

Network Connex has the multidisciplinary expertise and geographic knowledge to mitigate risks and maximize opportunities throughout the project life cycle.



High-Level Design Solutions

OSP/ISP Design & Engineering

- High-level design
- GIS & ROW research
- Feasibility studies including potential sites/viable route maps
- Site survey
- Fiber path network design
- CAD design & drafting

Consulting

- Broadband planning
- Economic development modeling
- Stakeholder outreach & engagement
- Design consulting

Our Partners

- Network service providers
- Municipalities & public utilities
- Broadband providers
- MSOs
- Data center & hyperscale operators
- Fortune 500 enterprises

Full Turnkey Solutions

Our experts are standing by to assist with all phases once a project is awarded, including:

- Site acquisition
- Permitting
- Field surveys
- Civil, structural, & electrical drawings & analysis
- Utility management
- Construction or construction management
- OSP/ISP Fiber splicing, placement, testing
- Inspections and closeout

Professional Program Managers are available to oversee complex projects from top to bottom ensuring tight coordination, feedback, and efficiency.