



CLEVELAND UTILITIES AUTHORITY

FIBER DESIGN ENGINEER

Cleveland Utilities Authority, a municipal utility providing electric, water, wastewater and fiber services to the Cleveland, Tennessee/Bradley County area, is seeking a Fiber Design Engineer. This position plays a key role in supporting network expansion, system upgrades, and ongoing maintenance by delivering high-quality, detailed design packages. Strong analytical skills, attention to detail, and effective communication are essential, along with the ability to work collaboratively across departments and maintain positive relationships with customers, contractors, and business partners.

ESSENTIAL FUNCTIONS:

- Conduct site walks for residential and commercial properties to verify field conditions
- Create fiber design packages including construction prints, splice plans, and BOMs
- Update and maintain accurate as-built documentation
- Collaborate with the Fiber Installation and OSP teams to ensure design feasibility
- Coordinate design changes based on field feedback and engineering requirements
- Maintain organized digital records of all design files and revisions
- Assist with material planning by providing accurate quantities and specifications
- Support the development of design standards and documentation processes
- Positive attitude
- Problem solver
- Strong work ethic
- Works as part of a team
- Great customer service skills
- Perform other duties as directed by supervisor

PERSONAL REQUIREMENTS:

- High school graduate or GED (general education degree): Required. Associate degree in Engineering Technology, Drafting, GIS, or related field: Preferred. Fiber optic training and/or related certifications: Preferred.
- 3-5 years of experience with fiber network design for FTTH and commercial deployments or equivalent network design experience.
- Ability to read and interpret construction prints, schematics, and splice documentation.
- Working in or supporting outside plant environments (aerial, underground, handholes).
- 1-2 years of experience using Fiber Network Management software (CrescentLink experience preferred) or equivalent GIS experience.
- 3-5 years of experience using GIS-based or CAD-based design software.
- 2-3 years of experience creating fiber splice plans and/or detailed construction drawings.
- 2-3 years of experience coordinating with field crews, contractors, or engineering teams.
- 2-3 years of experience creating fiber splice plans and/or detailed construction drawings.

Qualified applicants should submit a resume by Monday, June 15, 2026, to:

CLEVELAND UTILITIES AUTHORITY
ATTN: HUMAN RESOURCES
POST OFFICE BOX 2730
CLEVELAND, TN 37320-2730
Or email to jobs@clevelandutilities.com

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