



Outside Plant (OSP) Design Engineer

Company Overview

At Archtop Fiber, our mission is to be the true fiber of your community. We believe in the power of local connectivity and dedication to bridging the digital divide in rural and suburban cities across the Hudson Valley and beyond. We have seen how larger cities often receive priority for broadband infrastructure upgrades, leaving smaller communities underserved. That's why we prioritize serving "Main Street" communities by investing up to \$350 million in private funding to build over 2,500 miles of fiber-optic infrastructure.

Job Summary

Archtop Fiber is seeking a dynamic Outside Plant (OSP) Design Engineer to join our growing team. The OSP Engineer is part of Archtop Fiber's OSP Engineering and Construction team and will support OSP engineering and design needs, as well as collaborating with the GIS Department. This position will work closely with the Sr. Manager of OSP Design Engineering and GIS in support of Archtop's 100% fiber optic cable buildout and expansion needs.

Job Responsibilities

- Travel to customer sites to procure OSP project information, determining equipment requirements and best routing of OSP Plant.
- Conduct pole surveys and geographic information systems (GIS) surveys to engineer and design the fiber network while updating and maintaining OSP databases as needed.
- Design and prepare detailed work plans for construction or rearrangement of existing fiber optic cable, aerial, underground lines and all related splicing designs with documentation.
- Actively seek to resolve delays quickly and efficiently during the life cycle of the project.
- Work in collaboration with all Company departments: OSP Construction, Network Operations, Sales, Marketing, Field Operations.
- Coordinate with contractors, public utility companies, and customers to ensure the proper design and applications requested.
- Understand the proper deployment for XGSX FTTH/FTTP, PON, and transport fiber telecommunications infrastructure.
- Manage the prioritization of projects to best achieve Archtop's planned schedules and budgeted forecast.



Job Requirements

- Relevant bachelor's degree preferred.
- 5+ years of experience in OSP Engineering and OSP Construction in a Service Provider environment.
- Thorough knowledge of other utilities and related utilities infrastructure.
- Detailed knowledge of FTTx and PON designs, including both centralized and distributed splits and splicing architectures.
- Working knowledge of OSP and ISP construction practices, including aerial plant, buried plant, underground plant, intra/inter building plant, and related NESC and OSHA approved practices.
- The ability to work independently under minimal supervision – must be driven and be able to define work tasks based upon project goal and corporate objectives.
- Must have strong communications skills – verbal and written.
- Must possess a valid driver's license.

Benefits

- Competitive salary: \$75,000-\$85,000 depending on experience
- Comprehensive health, dental, and vision insurance
- 401(k) with company match
- Paid time off and holidays
- Career development opportunities in a growing company

Archtop Fiber is proud to be an Equal Opportunity Employer. We celebrate diversity and are committed to creating a welcoming and inclusive environment for all.