

Position Title: OSP Design Engineer

Department: Engineering

Reports To: Director of OSP Engineering & Mapping

FLSA Status: Exempt

General Summary:

The purpose of the Design Engineer position is to utilize GIS mapping systems to accurately design and represent Fiber to the Premise (FTTP), Copper Telephony Systems, HFC (Hybrid Fiber Coax) Cable Nodes, & Outside Plant (OSP) networks and architecture types. Preparation of construction and installation drawings and estimates equipment, labor and material costs. Assist in the managing of weekly and monthly schedules and overall goals. The location of this position is flexible therefore could be based out of one of three offices: Blountsville, AL; Pilot Grove, MO; or New Gloucester, ME.

Essential Job Functions:

- Work with Otelco Engineering & Mapping and review current OSP designs to understand current principles and practices.
- Prepares cost estimates and material requirements for projects, assists in project financials, and performs overall review at time of project close.
- Perform project QC for Outside Plant Infrastructure in Fiber-to-the-Premise, Copper/DSL Telephony, and Hybrid Fiber Coax systems utilizing As-Built drawings.
- Utilize GIS software to design the deployment of FTTP, Copper DSL, & HFC networks.
- Work with OSP Engineers to prepare and maintain detailed assignment documents for fiber projects.
- Review and Approve completed construction projects daily in Mapwise and iVUE.
- Prepares permits related to ROW, Railroad, and DOT requirements.
- Assists in preparation of the annual engineering budget by providing High Level Designs that include budgetary cost estimates.
- Provides input on best practices, permit processes, field construction methods, and telecom products.
- Must have valid driver's license and meet company insurability requirements.
- Performs all other related duties as assigned by management. *

*These tasks do not meet the Americans With Disabilities Act definition of essential job functions and are usually less than 5% of time spent. However, these tasks still constitute important performance aspects of the job.

Knowledge, Skills, and Abilities:

- A minimum of 3 years' experience with GIS/CAD software. ESRI experience desired, Mapwise experience a plus.
- Experience with Google Maps/Earth, Adobe Acrobat, 3GIS, or other GIS related programs essential to Design Engineering.
- A minimum of 3 years' experience in Outside Plant Engineering Design, Aerial and Underground applications.
- Intermediate knowledge of outside plant engineering, general Telecom construction practices, and field design methods.
- Ability to read and interpret legal land descriptions and easement agreements.
- Ability to work independently on multifaceted projects, as well as with an OSP Engineering team to develop solutions for assigned tasks.
- Strong verbal and written communication skills to present facts clearly and accurately in graphic form
- Experience working to tight deadlines.
- Excellent analytical skills utilizing Microsoft Office Suite, to develop analytic data results, display information visually, and provide various reports that contribute to various projects.
- Must be able to work overtime as required.

Education and Experience:

Associate degree in Mechanical, Electrical, or Construction Management, or equivalent experience.

Physical Requirements:

PHYSICAL REQUIREMENTS	0-24%	25-49%	50-74%	75-100%
Seeing: Must be able to read computer screen and various reports.				X
Hearing: Must be able to hear well enough to communicate with employees and business contacts.				X
Standing/Walking:			X	
Climbing/Stooping/Kneeling:	X			
Lifting/Pulling/Pushing:		X		
Fingering/Grasping/Feeling: Must be able to write, type, and use phone system.				X

Working Conditions:

- Work primarily in a climate-controlled environment with minimal safety/health hazard potential. Sedentary, sitting, walking, occasional lifting (overhead, waist level) from floor, bending, frequent near vision use for reading and computer use. Independent lifting ability of up to 25 lbs.

Note: The statements herein are intended to describe the general nature and level of work being performed by employees and are not to be construed as an exhaustive list of responsibilities, duties and skills required of personnel so classified. Furthermore, they do not establish a contract for employment and are subject to change at the discretion of the employer.

OTELCO is an equal opportunity employer and does not discriminate on the basis of age, sex, color, race, creed, national origin, religious persuasion, marital status, political belief, or disability.