



Position Title:	OSP Engineer	Department:	Engineering
Reports To:	OSP Engineering Manager	FLSA Status:	Exempt

General Summary:

The primary responsibilities for this position are to plan and prepare drawings and permits for expanding PRTC's fiber optic network, determine needs for new construction, and provide estimates on extending our network to serve new customers. The Outside Plant Engineer will initiate work authorization requests, order materials and equipment, and direct work activities to ensure conformance with engineering specifications and work authorization.

Essential Job Functions:

- Responsible for designing PRTC's outside plant facilities to include small fiber expansions, residential expansion and customer drops.
- Provides cost estimates to PRTC's sales department for new customer opportunities.
- Responsible for site walks on new projects, documenting building entrances, underground facilities, extending DMARCs, etc.
- Responsible for staking out new fiber expansion projects.
- Responsible for creating as-builts for all construction projects in our mapping system.
- Responsible for staking out drops for new CLEC areas for our construction crew or drop contractors.
- Attends DOT meetings for any road construction or bridge replacement in our ILEC and CLEC areas.
- Responsible for permitting, staking and coordinating installation of new remote cabinets
- Responsible for engineering and assigning new counts for new expansion projects and cutovers.
- Responsible for generating status reports, tracking work orders, managing budgets, approving invoices and analyzing data to ensure projects are managed efficiently and cost effectively.
- Responsible for inspection of contracted construction and resolving any problems with the projects.
- Responsible for maintaining and verifying tabulation of staking sheets with contractors.

Knowledge, Skills, and Abilities:

- Experience in outside plant design which should include FTTX and copper cable.
- The ability to comprehend and modify outside plant records, staking sheets and maps.



- Strong working knowledge of underground utilities rules and regulations in the state of South Carolina.
- Strong attention to detail.
- Strong communication and writing skills with the ability to clearly explain issues.
- Present a professional appearance and attitude.
- Ability to multitask and work well in a high paced environment.
- Ability to work effectively with minimal supervision.
- Preparation of trouble reports, work logs, truck logs, and other regulatory/standard forms.

Education and Experience:

- High school degree required.
- 2 year technical school or College Degree preferred.
- 2 years GIS and/or CAD design experience
- Strong computer skills including Microsoft Office, CAD-based systems, Visio and other related applications.
- Knowledge and skills usually acquired through training in basic electricity and/or two or more years of experience in telephone plant operations.

Evaluation Criteria:

- OSP design experience
- Permitting, staking, inspection or underground utilities
- Project management experience
- Computer skills
- General telecommunications knowledge

Physical Requirements:

PHYSICAL REQUIREMENTS	0-24%	25-49%	50-74%	75-100%
Seeing: Must be able to read service orders and trouble reports.				X
Hearing: Must be able to hear well enough to communicate with employees and business contacts.				X
Standing/Walking: Must be able to move about work site.			X	
Climbing/Stooping/Kneeling: Must be able to stoop, kneel and crawl to perform installations.		X		



Lifting/Pulling/Pushing: Must be able to lift at least 40 lbs.		X		
Fingering/Grasping/Feeling: Must be able to write, type, and use phone system.				X

Working Conditions:

This factor measures the surroundings or physical conditions under which a job must be done and the extent to which those conditions make the job disagreeable. Consider the presence and relative amount of exposure to dust, dirt, heat, fumes, contaminants, cold, noise, vibration, wetness, etc.

Somewhat disagreeable working conditions due to the continuous exposure to one or more of the elements listed above. Exposed to one element continuously or several elements occasionally, but usually not at the same time.

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.