



Job Posting

Location: Bellingham, WA

Wave Fiber Design and Construction

Job title: Hybrid Fiber Coaxial (HFC) – Fiber Designer & CAD Programmer

Reports To: HFC Network Design & Engineering Manager

Purpose of Position:

The Fiber & HFC Design CAD Programmer plays a vital role in ensuring quality and timely deliveries of services to our customers. Skilled in network design and engineering with an understanding of OSP construction. This position will have project management skills, ability to work independently, knowledge of construction practices for outside plant cable placement, sufficient experience with computers and have a background in all phases of network design LODE Data and AutoCAD software. This position requires Hi-Level AutoCAD programming and customization experience.

Responsibilities include:

- Perform customization for AutoCAD and LODE Data design and drafting software
- Experience using AutoCAD Map to create tiled global session drawings
- Ability to build / create / modify moderate to complex CAD drafting environments for efficiency and map intelligence
- Ability to create AutoCAD blocks and layers with intelligent attributes for statistical data extraction
- Ability to modify and customize LODE Data in terms of building specification files and macros for accuracy and efficiency
- Assist in planning and design of HFC and Fiber routes as needed
- Familiar with fiber allocation and databases
- Familiar with various fiber architectures
- Work with the construction project managers and / or field personnel to ensure quality and timely delivery of our design and engineering services
- Provide technical support by telephone conference to remote designers and drafters
- Assist in troubleshooting HFC plant mapping and design (as necessary)
- Design and document HFC plant, active and passive devices
- Create and maintain appropriate technical documentation
- Analyze and recommend upgrade/expansion strategies
- Create and maintain plant quarterly plant expansion reports
- Create and maintain project time line schedules
- Experienced with AutoCAD CAD to create, maintain and update drawing detail in Wave's CAD systems.
- Maintain and Update CAD strand mapping of underground/overhead facilities.
- Maintain and update intelligent CAD/CAM address database for homes, business and empty lots within system boundaries
- Experience with Microsoft Excel, Word, Adobe Acrobat, Google Earth, AutoCAD and LODE Data

- Take part of construction meetings understanding all current projects
- Participate in the development and enforcement of network standards and procedures
- Work flexible hours (may include afterhours work on nights and weekends)
- Maintain a positive attitude and strong work ethic that can provide high productivity with minimal supervision
- Develop and maintain productive relationships with personnel from other utilities, developers, property owners, government and regulatory officials. Must be able to resolve complaints and other issues to maintain Wave's positive relationships
- Participate in engineering, permitting and construction process
- Perform all work as necessary to conform to quality control guidelines (includes OSHA, FCC, NESC and NEC, etc.; as well as following procedures as outlined in the Installation, Technical, Operations and Safety Manuals and Employee Handbook)
- Perform other duties as requested by supervisor

Qualifications and Work Environment:

- At least 10 years of experience designing and drafting HFC networks
- At least 5 years of experience designing and drafting Fiber Optic Networks
- At least 10 years of experience in customization and drafting using AutoCAD software
- Knowledge of HFC construction practices
- College degree or equivalent experience
- Strong analytical skills – ability to translate data to strategy
- Ability to think creatively and strategically
- Strong communication skills are absolutely essential as is a cooperative attitude toward co-workers, customers and contractors
- Excellent organization and time management skills
- Visual design skills are a strong plus
- Ability to interact effectively with other team members.
- Must be able to work independently without supervision
- Ability to adhere to Local, Federal regulations and Company policies
- Valid driver's license, auto insurance, with a satisfactory driving record

To Apply: Interested applicants may send their cover letter and resume to hrmgr@wavebroadband.com (please include job title and location of description in your email)