

COMMUNICATIONS OUTSIDE PLANT SUPERVISOR

PURPOSE AND NATURE OF WORK

Position is responsible for the supervision of the division of the Communications Systems Department (LUS Fiber) engaged in construction, installation and repair of the fiber network as well as for the complex integration and software coordination of fiber mapping and central database used by the Communications system as needed for business processes and delivery of services while complying with industry regulations. Incumbent works under the general direction of the Communications Architecture and Engineering Manager, has supervisory responsibilities for a technical staff, and bears responsibility for the output of the division supervised.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

- Supervises a team of Communications Network Designers in support of the assigned responsibility for network planning and engineering of all broadband communications networks to include generating detailed engineering documentation to support the installation, configuration, and ongoing operations of the network
- Supervises a team of Communications Network Designers in support of the assigned responsibility for construction project management of major engineering initiatives
- Responsible for the material standards, writing specifications (e.g. cable, vaults, conduit), performing RFPs and material bids
- Responsible for developing of construction standards and best practices
- Provides technical support for the day-to-day implementation and operation of the GIS system.
- Develops and maintains standards for all GIS applications within the department.
- Manages GIS vendor contracts and oversees a budget used for training, equipment, stock supplies, upgrades, etc.
- Builds, customizes, and maintains web applications using ArcGIS Online and other mapping software to perform spatial analysis for special projects and digital database of record
- Writes specifications for purchase of GIS-related equipment and/or contractual services
- Assists in the development and management of the department's operating budget in accordance with guidelines
- Participates in all work of subordinate employees as required for business operations
- Performs related work as required

NECESSARY KNOWLEDGE, ABILITIES AND SKILLS

Knowledge of and ability to apply the following appropriate to the level of work in a communications system providing telephone, television and data communications to homes, government, and businesses:

- Electrical engineering
- Computer applications
- Telecommunication principals, including DC power plant
- Telecommunications material standards
- Mapping software including ArcGIS

- Project management
- Supervision of subordinate technical personnel
- Ability to communicate clearly, verbally and in writing
- Ability to form and maintain effective working relationships with other LUS Fiber personnel, customers, elected officials, and general public

DESIRABLE QUALIFICATIONS

Bachelor of Science or Applied Science in Computer Science, Electrical Engineering, Telecommunications Engineering, or closely related field.

Substantial service provider experience, including direct supervision/management of employees in same. Experience should include fiber engineering and/or construction management experience (including both outside and inside plant fiber construction); fiber engineering design, splicing and/or construction implementation; optical test equipment including OTDR, PMD, and Optical Spectrum Analyzer; GIS mapping tools; state and federal government grant compliance and reporting; or an equivalent combination of education and experience.