**Class Summary**

The responsibilities of this classification include serving as an apprentice assisting Rail Signal and Communications Technicians in various work to troubleshoot, maintain, repair, upgrade, and perform comprehensive preventive maintenance on rail signals and communication systems. All apprentices will receive on-the-job training to perform progressively more difficult and complex work assignments. In addition to on-the-job activities, apprentices must be prepared to complete an established minimum number of hours per year of formal, independent academic training.

**Distinguishing Characteristics**

This is the apprentice level in a three-level classification series. This classification is distinguished from the Rail Signal and Communications Technician classification in that incumbents working at the apprentice level receive close supervision and on-the-job, classroom, and computer-based training to develop the essential skills required to become a journey-level Rail Signal and Communications Technician. Incumbents in this classification are enrolled in a formal training program to gain experience and training to work more independently in areas they have demonstrated competency in as they learn all aspects of the Rail signal and communications systems.

This classification is distinguished from other electronics classifications in that the apprentice classification is learning and training to maintain the signal and communications systems associated with the Link Light Rail System.

**Examples of Duties**

*All duties below are performed in conjunction with or under the general supervision of a qualified Rail Signal and Communications Technician or Rail Signal and Communications Technician - Lead.*

1. Adhere to all safety regulations outlined by King County Rail and industry best practices.
2. Inspect, repair, and maintain electrical, electronic, mechanical, and hydraulic equipment, including grade crossing mechanisms, switch machines, multiplexers, microprocessor-controlled interlocking vital relays, fiber optic links, standalone PCs, power supplies, battery systems, radio communications equipment, and other complex machinery and equipment.
3. Operate standard, specialized tools and equipment such as, but not limited to, mechanical lift devices, support structures, and various types of meters and electronic test equipment to perform inspection, maintenance, and repair tasks.
4. Record and document maintenance and diagnostic data.
5. Operate switch machines by hand and local control panels under revenue and non-revenue conditions.
6. Flag trackway to provide safe rail work zones; set up work-zone traffic control areas.
7. Operate assigned vehicles, including hi-rail and aerial lift equipment.
8. Perform snow and ice removal.
9. Perform other duties as assigned

**Knowledge/Skills**

Skill in problem-solving

Ability to learn to read and interpret blueprints, schematics, and drawings

Ability to effectively engage in and sustain relationships with people from diverse cultures and socio-economic backgrounds

Ability to work independently and as a team member

Demonstrated proficiency with business applications, such as Microsoft Office suite and permitting software

**Education and Experience Requirements**

Any combination of education and experience that clearly demonstrates the ability to perform the job duties of the classification

**Licensing, Certification, and Other Requirements**

Washington State Driver’s License

Commercial Driver’s License, class B with medical certificate (required before completion of the apprenticeship program)

Must pass drug and alcohol testing provisions for safety-sensitive positions as required by the U.S. Department of Transportation, 49 CFR Parts 40 and 655

Working in confined spaces or high places from mechanical lift devices, support structures, and poles, indoors and outdoors, and in inclement weather, are required

Working within a live operating rail transit system

Additional licenses, certifications, and other requirements determined to be necessary to meet the business needs of the employing unit may be required

|  |  |
| --- | --- |
| **FLSA Designation** | Non-Exempt |
| **Service Status** | Career Service |
| **EEO Code** | 7 |
| **Levels within the same series** | Rail Signal & Communications Technician – Apprentice  Rail Signal & Communications Technician  Rail Signal & Communications Technician – Lead |
| **Class History** | 01/2024 - Created |