

Signals and Street Lighting Inspector

FLSA Status: Covered
Bargaining Unit: District Council of Trade Unions (DCTU)

General Summary

Positions in this broad class inspect traffic signal and street light construction to ensure that materials used and methods of construction conform to plans and specifications.

Signals and Street Lighting Inspector - 30000166

Distinguishing Characteristics

This is a single level class. It is distinguished from the Electrician class by the requirement for an Oregon General Supervising Electrician license, and from the Electrical Inspector and Public Works Inspector classes by its inspection of structural elements of traffic signal and street light systems and construction.

Typical Duties/Examples of Work

1. Marks construction sites for correct placement of traffic signal and street light elements, including foundations, junction boxes, and traffic signal detection; locates and marks underground signal and street light installations to prevent damage during excavations.
2. Inspects concrete foundations for size of footing, rebar, and size and alignment of anchor bolts and conduits; inspects structural steel for conformity to specifications.
3. Inspects structural poles and aerial components; recommends action to mitigate asset deterioration.
4. Inspects completed projects and provides list of corrections to be made before work is accepted; performs final inspection and approval of work.
5. Visits construction sites to review work in progress and provide information and early detection of problems.
6. Documents design changes or deviations on construction plans.
7. Works with engineers in the design of new construction to provide advice related to anticipated construction problems; participates in pre-construction meetings.

8. Operates ladder trucks, bucket trucks, and a variety of testing equipment and tools to perform duties; carries out all required safety procedures.
9. Inspects signals and street lights and provides assessment of condition.
10. Provide assistance and training to other inspectors and contractors on traffic signal and street lighting construction inspection processes and issues.
11. Responds to calls to work during emergencies.
12. Performs related duties as assigned.

Required Knowledge, Skills and Abilities

Knowledge of: tools, materials, processes and techniques of electrical inspection and construction inspection as related to traffic signals and street lighting; troubleshooting techniques and safety practices.

Ability to: learn and use safe working practices; maintain records; analyze electrical and construction designs for potential problems; communicate effectively; work effectively with co-workers in a diverse workforce and respond appropriately to question/concerns from other employees and the public; work constructively in a team.

Skill in: electrical, construction, and structural inspection as related to traffic signals and street lighting.

Special Requirements

Valid state driver's license; Oregon General Supervising Electrician license; some positions may require additional endorsements, certifications or licenses.

Classification History:

Adopted: 2-03-99:

Class created as a result of DCTU Classification and Compensation Study 1998-99. This class is composed of the following classes:
2118 Lighting & Signal Insp Adopted: 11-15-83
Revised: 06-20-91 (formerly titled Street Lighting Inspector, redefined to include Traffic Signal inspection work)

June 2009 - Change Job Class number from 2118 to 30000166, due to system change.

August 2018 – Changed title to Signals and Street Lighting Inspector and clarified duties.

Working Conditions

Work in this class is typically performed in a field environment. Incumbent is typically required to work outdoors in all weather conditions; to be exposed to hazardous conditions including traffic, construction, and electrical currents; to operate power tools and equipment; to be called back to work during emergencies.