

## Lighting and Signal 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 specifications.

### Lighting and Signal Inspector - 30000166

#### Distinguishing Characteristics

This is a single level class. It is distinguished from the Electrician class by the requirement for an electrical inspector's license, and from the Electrical Inspector class by its inspection of structural elements of traffic signal and street light 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 completed projects and provides list of corrections to be made before work is accepted.
4. Visits construction sites to review work in progress and provide information and early detection of problems.
5. Works with engineers in the design of new construction to provide advice related to anticipated construction problems.
6. Operates ladder trucks, bucket trucks, and a variety of testing equipment and tools to perform duties; carries out all required safety procedures.
7. Inspects existing signals and provides assessment of condition.
8. Responds to calls to work during emergencies.

9. 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

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; electrical inspector and supervising electrician licenses; 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.

**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.