

## SENIOR TRAFFIC SIGNAL TECHNICIAN - 397

### **DEFINITION OF WORK**

Under immediate supervision, performs difficult skilled and technical work in the repair, maintenance and installation of traffic signals and related control devices; does related work as required.

### **EXAMPLES OF WORK**

Installs, relocates and maintains traffic control devices including controllers, control boxes, conduits, cable ducts and signal heads; installs traffic lights and repairs damaged lights; wires new and old traffic lights; runs cable to controls and lights; installs radar and sonic controls; sets and anchors poles; performs line work in the installation of signals and controls; splices cable; sets up, cleans, tests, repairs and overhauls controllers; coordinates clocks, computers, detectors and other electrical and electronic control equipment in a shop, including solid state and electro-mechanical equipment, radar, sonic, magnetic loop and proximitor amplifiers and fire pre-emptors; hooks up and checks out all new traffic control devices before placing in operation; answers trouble calls for field repairs; may be assigned to night stand-by duty for emergency repairs; trains and assists assigned staff; prepares reports.

### **EMPLOYMENT STANDARDS**

Education and Experience: Any combination of education and experience equivalent to a high school diploma supplemented by college level courses in electrical theory and electronics and considerable experience in the repair and maintenance of electrical systems or electronic control devices.

Knowledge, Skills and Abilities: Thorough knowledge of the methods, materials and equipment used in the installation, repair and maintenance of electronic traffic control equipment; general knowledge of the basic principles and theories of electricity and the operation of electronic equipment; thorough knowledge of the safety precautions and occupational hazards related to the electrical trade; ability to follow oral and written instructions and to work from rough sketches or detailed specifications; ability to work outside under inclement weather conditions; ability to supervise the work of others.

### **SPECIAL REQUIREMENT**

Possession of a valid North Carolina driver's license.

