



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

HIGHWAY TRAFFIC TECHNICIAN III

Job Number: 20000472

Job Code: 11650V250516

Job Group: 1100 - MAINTENANCE AND TRADES

Job Established: 06/16/1982

Job Revised: 05/16/2025

Grade: 12 Salary (MIN - MID):

\$18,680-\$28,020 - Hourly

\$3,035.50-\$4,553.26 - 37.5 Hr. Monthly Salary

\$3,237.88-\$4,856.80 - 40 Hr. Monthly Salary

Special Entrance Rate:

NONE

NONE

NONE

PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 6 months, except as provided in KRS 18A.111.

CHARACTERISTICS OF THE JOB: *Characteristics of a job are general statements indicating the level of responsibility and discretion of positions in that job classification. These are not intended to be an exhaustive list.*

Oversees and inspects the work of contractors installing or repairing traffic signals or lighting devices. Performs qualified work on all critical electrical traffic control devices, including conflict monitor programming and repair of railroad preemption and emergency vehicle preemption systems; and performs other duties as required.

MINIMUM REQUIREMENTS:

EDUCATION:

High school graduate.

EXPERIENCE, TRAINING, OR SKILLS:

Must have five years of experience in electrical or electronic installation or electrical or electronics maintenance work.

Substitute EDUCATION for EXPERIENCE:

Vocational or technical training in electricity, electronics or a related field will substitute for the experience on a year-for-year basis.

Substitute EXPERIENCE for EDUCATION:

NONE

SPECIAL REQUIREMENTS (AGE, LICENSURE, REGULATION, ETC.):

Must be 18 years of age. Must possess and maintain a valid driver's license to qualify for employment in this job classification. Must possess certification in International Municipal Signal Association Level II or Level III training. <https://www.imsasafety.org/>. Must maintain any required licensure(s), certification(s), or other credentials for the length of employment in this job

classification. Employing agency is responsible for ensuring employee possesses and maintains required licensure(s), certification(s) or other credentials.

EXAMPLES OF DUTIES OR RESPONSIBILITIES OF THE JOB CLASSIFICATION: *Examples of duties or responsibilities are not to be construed as describing what the duties or responsibilities of any position shall be and are not to be construed as limiting the appointing authority's ability to assign, or otherwise alter the duties and responsibilities of a position. This is not intended to be an exhaustive list.*

Reviews, coordinates, and oversees the work of contractors performing maintenance of electrical traffic control devices. Coordinates with utilities companies for service locations. Designs electrical items. Trains staff and acts as supervisor in the absence of the Highway Traffic Technician Superintendent. Repairs energized electrical items. Repairs critical items that includes railroad preemption and emergency vehicle preemption systems. Programs conflict monitors in addition to interprets error indications to identify issues with signal functionality and make necessary repairs to restore functionality should one malfunction. Ensures the repairs work with the existing signal infrastructure as well as within the coordinated signal system itself. Performs diagnostic tests on traffic signal controllers, emergency vehicle preemption systems, and railroad preemption systems. Locates and repairs failures in signal system communication devices such as radio modems and hardwire interconnect. Repairs traffic signals and lighting devices in the field or in the shop. Troubleshoots malfunctioning electrical devices and recommends necessary repairs. Inspects and/or assists in the work of contractors installing or repairing traffic signals or lighting devices. Maintains and completes records and reports on equipment, materials, and work orders. Responds to emergency calls. Estimates small construction projects. Uses a computer and traffic controller, several different detection products, and conflict monitor software in support of electrical device maintenance.

UNIQUE PHYSICAL REQUIREMENTS:

Incumbents working in this job title must possess the ability to walk, sit, stoop, and bend. Must be able to lift and carry 50 pounds. Must be able to accommodate emergency response as necessary.

TYPICAL WORKING CONDITIONS: *Incumbents in the job will typically perform their job duties under these conditions.*

Incumbents working in this job title perform their work at various locations throughout the district or at a highway traffic facility. Must be able to work extended hours and during inclement weather, when necessary.

ADDITIONAL REQUIREMENTS:

Upon employment, employees in this job classification may be required to drive a licensed vehicle. Applicants and employees in this job classification may be required to submit to a drug-screening test and background check. Applicants and employees in positions which perform job duties that may require contact with offenders in the custody or supervision of the Department of Corrections or with youth in the care, custody, or supervision of the Department of Juvenile Justice must meet qualifications pursuant to the federal Prison Rape Elimination Act, 28 C.F.R.115.17 and 115.317.

The Commonwealth of Kentucky does not discriminate on the basis of race, color, sex, disability, age, national origin, religion, sexual orientation, gender identity or expression, pregnancy or related medical condition, marital or familial status, ancestry, political affiliation, genetic information, or veteran status in accordance with state and federal laws.