



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

HIGHWAY TRAFFIC TECHNICIAN II

Job Number: 20000471

Job Code: 11630V250516

Job Group: 1100 - MAINTENANCE AND TRADES

Job Established: 06/16/1982

Job Revised: 05/16/2025

Grade: 11 Salary (MIN - MID):

\$16,984-\$25,476 - Hourly

\$2,759.90-\$4,139.86 - 37.5 Hr. Monthly Salary

\$2,943.90-\$4,415.84 - 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.*

Performs qualified work on energized electrical traffic control devices, focusing on complex troubleshooting and repair of traffic signals, roadway lighting, vehicle detection systems, and other electronic traffic control devices. Programs and installs traffic signal controllers, and other signal equipment while ensuring proper operation and compliance with technical and safety standards, and performs other duties as required.

MINIMUM REQUIREMENTS:

EDUCATION:

High school graduate.

EXPERIENCE, TRAINING, OR SKILLS:

Must have three 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 (IMSA) Level I or II 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.*

Performs qualified work on energized electrical traffic control devices. Repairs all traffic control devices related to energized electrical items including roadway lighting and signals. Operates aerial lift truck for both qualified and unqualified work. Performs lockout/tagout procedures on energized traffic signals. Plans temporary traffic control. Responds to emergency calls at any time. Operates a laptop or palmtop computer with traffic controller and detection software in support of electrical device maintenance. Uploads and downloads signal timing. Uses ground-fault locator, resistance meter, volt-ohm meter, concrete saw, and other intermediate level tools to complete tasks. Performs more intermediate electrical traffic control installation such as programming and installing traffic signal controllers, conflict monitors, detectors, load switches, signal heads, and wiring. Installs conflict monitors and interprets conflict monitor error indications to identify issues with signal functionality. Locates and repairs failures in roadway lighting circuits, traffic signal wiring and detection systems, and navigational lighting systems. For projects assigned by the supervisor, facilitates the completion of tasks performed by highway staff involved in electrical maintenance. Repairs and troubleshoots electronic traffic control devices both in the field or in the shop. Assists management with quality assurance regarding contractor performance. Trains subordinate staff in the maintenance and repair of electrical traffic control devices and roadway lighting. Maintains and completes records and reports on equipment, materials, and work orders. Monitors daily materials inventory and maintains a sufficient level for efficient repair of inoperable electrical devices. Provides electrical device estimates on various projects.

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 typically 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.