



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

HIGHWAY TECHNICIAN II

Job Number: 21002028

Job Code: 70520V240516

Job Group: 7000 - ENGINEERING AND GEOLOGICAL

Job Established: 12/16/2017

Job Revised: 05/16/2024

Grade: 13 Salary (MIN - MID):

\$20,549-\$30,824 - Hourly

\$3,339.22-\$5,008.90 - 37.5 Hr. Monthly Salary

\$3,561.84-\$5,342.84 - 40 Hr. Monthly Salary

Special Entrance Rate:

\$26,292 - Hourly

\$4,272.46 - 37.5 Hr. Monthly Salary

\$4,557.28 - 40 Hr. Monthly Salary

PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 12 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.*

Coordinates highway construction or maintenance projects and/or inspects mowing/snow removal contracts. Performs advanced level work in roadway or roadside maintenance operations. Operates advanced equipment. Perform tasks requiring the application of technical principles in the design, development and/or review of small engineering projects while learning to perform more advanced technical functions. Plans, organizes, assists, and inspects the proper installation of traffic control and safety of job sites; and performs other duties as required. (Engineering decisions recommended by positions of the class must be approved by a Licensed Professional Engineer under KRS Chapter 322.)

MINIMUM REQUIREMENTS:

EDUCATION:

High school graduate.

EXPERIENCE, TRAINING, OR SKILLS:

Must have eight years of construction or highway maintenance experience.

Substitute EDUCATION for EXPERIENCE:

Graduate of a college or university with an associate's degree in engineering technology, construction management, engineering science, engineering mechanics, geology, earth science, industrial drafting, design technology, construction technology or a related field will substitute for two (2) years of the highway related experience in construction and maintenance. Graduate of a college or university with a bachelor's degree in engineering will substitute for four (4) years of the highway related experience in construction and maintenance. Graduate of a college or university with an associate's degree in Engineering Technology with completion of the Kentucky Transportation Cabinet's Civil Engineering Technology Scholarship Program will substitute for six (6) years of highway related experience in construction or maintenance. College coursework related to any of these fields will substitute for 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 and a Class A commercial driver's license with tanker endorsement to qualify for employment in this job classification. The employee must successfully complete the KYTC Highway Technician Academy Level 3 or equivalent within one year of employment in this job classification. Must maintain any required licensure(s), certification(s), or other credentials for the length of employment in this 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.*

In addition to performing duties listed in Highway Technician I, positions in this class will perform the following duties as appropriate: Coordinate highway construction or maintenance projects and/or inspects mowing/snow removal contracts and/or has responsibility for monitoring and verifying equipment rental usage contractors. May coordinate crew assignments. Implements custodial security policies and procedures in the use of inmate crews on roadways or roadsides. Performs a variety of advanced level work such as layout concrete forms, repair equipment, install pilings, excavate using boom equipment, haul heavy equipment and install extruded thermoplastic pavement markings. Operates all equipment, including boom saws, bulldozers, cranes, excavators, graders, lowboys, milling machines, self-propelled pavers, semi-trucks/trailers; Performs duties associated with the Cabinet's snow and ice policies. Operates surveying equipment for maintenance and construction activities, utilizing medium (total station and level) surveying equipment to determine centerlines, takes cross sections and determines elevations. Operates complex surveying equipment. Records field data and makes calculations. Oversees basic quality assurance materials sampling and testing such as concrete slump and temperature and asphalt content and density. Completes materials testing report forms. Meets with property owners to describe highway work activities and obtain permission to enter property when necessary. Serves as quality assurance inspector for multiple activities of construction or maintenance work such as laying pipe, concrete coring, earthwork, paving asphalt and guardrail installation for compliance with plans and specifications. Oversees work of others who inspect and/or perform single activities. Draws/plots preliminary maps and sketches from survey field notes. Completes daily inspection reports. Reviews and monitors Contractor Quality Control Plans. Reads engineering plans and specifications for construction, maintenance and repair of roadways and bridges. Performs moderate/intermediate calculations of quantities of materials and cost estimates and checks others' calculation of quantities. Reduces and checks field notes. Performs inspection, record keeping, and prepares reports relating to larger maintenance or construction projects. Operates computer and applicable software related to highway construction or maintenance. Serves as crew leader on minor maintenance or construction projects. Trains new employees. Learns bridge components and nomenclature. Attends required training classes. Plans, oversees, and evaluates project construction and maintenance contract tasks, such as small and uncomplicated resurfacing projects, minor bridge repairs, and small drainage projects. Reviews certification of tests and performs inspections. Reviews project costs and revisions and project scheduling. Oversees maintenance field activities. Schedules and performs inspection tasks. Learns to review construction and maintenance documentation for technical accuracy and for compliance with established procedures, standard specifications, plans, and/or contract documents. Records company personnel and equipment hours for work performed on project for contract work. Checks final bills and estimates. Learns to prepare and/or review project estimates or contract proposals for highway projects. Completes as-built plans for highway projects. Provides technical assistance and training for sub-professional personnel. Plans, organizes, assists and inspects the proper installation of routine traffic control per MUTCD standards and for the safety of routine job sites. Oversees activities on small construction or maintenance projects.

UNIQUE PHYSICAL REQUIREMENTS:

Incumbents in this job title must possess the ability to work, sit, stoop and bend. Must be able to lift and carry 50 pounds. Must be able to respond to emergencies.

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

Incumbents in this job title typically perform their work at a highway maintenance facility or section office, at work sites throughout the assigned work area and when necessary, district wide. Incumbent will be exposed to risks inherent to working with large equipment and machines involved with road construction. Must be able to work extended hours and be outside during inclement weather.

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.