



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

TRANSPORTATION ENGRNG TECHNOLOGIST I

Job Number: 20001436

Job Code: 70960V230916

Job Group: 7000 - ENGINEERING AND GEOLOGICAL

Job Established: 09/16/1984

Job Revised: 09/16/2023

Grade: 13 Salary (MIN - MID):

\$19,559-\$29,339 - Hourly

\$3,178.34-\$4,767.60 - 37.5 Hr. Monthly Salary

\$3,390.24-\$5,085.44 - 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 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.*

With the specific written approval of the State Highway Engineer, completes a variety of basic technical components while creating or referencing engineering documents, including plans, proposals, specifications, and addenda. Performs tasks requiring the application of technical principles in the design, development and/or review of engineering projects while training to perform more advanced technical functions; OR learns to plan, organize, assist and inspect the proper installation and safety of routine maintenance Work Zones; and performs other duties as required. (Engineering decisions recommended by positions of the class must be approved by a KRS Chapter 322 Licensed Professional Engineer.)

MINIMUM REQUIREMENTS:

EDUCATION:

Graduate of a college or university with a bachelor's degree in engineering technology, construction management, engineering science, engineering mechanics, computer science, data science, geology, earth science, industrial technology, industrial drafting, design technology or construction technology. OR Graduate with an associate's degree in Engineering Technology with completion of the Kentucky Transportation Cabinet's Civil Engineering Technology Scholarship Program.

EXPERIENCE, TRAINING, OR SKILLS:

None

Substitute EDUCATION for EXPERIENCE:

1. Graduate of a college or university with a bachelor's degree OR an associate degree in an engineering field OR 2. High school OR 3. High school

Substitute EXPERIENCE for EDUCATION:

1. Must have three years of engineering-related experience with the first education option above; OR 2. Must have six years of

engineering-related experience in which case related technical or vocational training will substitute for required experience on a year-for-year basis, up to a maximum of four years with the second education option above; OR 3. Must have four years of bridge inspection experience under the supervision of a Qualified Inspection Team Leader, plus successful completion of a Federal Highway Administration approved comprehensive bridge inspection training course with the third education option above.

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

Must possess a valid driver's license prior to employment in this job classification. 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 possess 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.*

Plans, oversees and evaluates project construction 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. Assists in the preparation of highway design projects as to proper route location, geometrics, design loads, pavement design, retaining walls, drainage structures, AASHTO and agency specifications. Plans, schedules, and coordinates maintenance operations in selecting materials, schedules labor and construction time and determines maintenance costs. Plans, schedules, coordinates, and reviews the field and laboratory test programs for compliance with AASHTO, ASTM and agency specifications. Schedules inspection tasks. Learns to review planning, construction, maintenance, or design documentation for technical accuracy and for compliance with established procedures, standard specifications, plans and/or contract documents. Learns to make engineering estimates on proposed projects or changes in existing projects. Performs beginning level field inspections and office work in the relocation of utility and railroad facilities. Records company personnel and equipment hours for work performed on project. Learns to plan, schedule, and coordinate the collection and analysis of transportation planning data for use in mapping, HPMS, adequacy ratings, traffic forecasting, rail/ highway crossings and project planning activities. Checks final bills and estimates. Learns to prepare and/or review bid proposals for construction projects. Records survey and field notes. Learns to reduce and check survey and field notes. Operates surveying equipment such as the level and transit. Collects, analyzes, and reports upon basic technical data. Provides technical assistance and training for sub-professional personnel. Assists as a functioning member of a bridge inspection team. Learns computer and software skills related to National Bridge Inspection Standards data collection, inspection report compilation, and data transfer. Assists in maintaining and organizing district bridge files. Learns bridge components, nomenclature, and simple bridge mechanics. Attends required raining classes. Learns to operate under-bridge inspection cranes. Learn to plan, organize, assist, and inspect the proper installation and safety of routine maintenance Work Zones.

UNIQUE PHYSICAL REQUIREMENTS:

Any unique physical requirements necessary to perform the duties of a specific position will be listed on the individual position description, if applicable

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

Work is performed in the office and in the field. Will be exposed to risks inherent to construction sites and other types of work zones which requires the following of safety procedures.

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.