

TRANSPORTATION ENGINEERING TECHNOLOGIST**NATURE OF WORK**

Serves in a managerial or program expert capacity in either the engineering or construction field/area of highway and bridge construction and maintenance. Manages a unit in a district or division, or may manage a specific division-wide technical function requiring expert level knowledge, or may be licensed land surveyor. As a unit manager, supervises lower level supervisors, technicians and/or professional employees.

DISTINGUISHING CHARACTERISTICS

Engineering Technologist (Level 5) is distinguished from Transportation Engineering Technician - Senior in that incumbents at this level are managers of operational units with significant technical characteristics as opposed to supervisors of specific projects or less technical units/functions, or they are responsible for a special division-wide technical program that requires the highest degree of expertise in that specific technical field. The State Highway Engineer of the Division of Highways will make determinations as to technical characteristics/expertise. In the field of survey, this level is reserved for the licensed land surveyor.

ESSENTIAL JOB FUNCTIONS (Any specific position in this class may not include all of the duties listed, nor do the examples listed cover all of the duties which may be assigned.)

Provide managerial oversight for subordinate supervisors and the program/projects to which they are assigned.

Evaluate the work of subordinate supervisors and employees.

Review and/or calculate technical data relating to engineering and construction projects.

Review project design and construction plans prepared by consultants.

Communicate with consultant engineers to discuss prospective or ongoing projects and plans.

Perform field reviews of engineering and construction projects.

Meet with various parties having an interest in projects, including representatives of state government, legislators, community leaders, regulators and other interest groups.

Monitor and manage budgets associated with projects.

Read and interpret complex design and construction plans.

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of principles and practices of civil engineering.

Knowledge of laws, policies, procedures and regulations governing contracts, consultant agreements, purchasing, employment and other matters.

Knowledge of the internal operation of the Division of Highways.

Knowledge of plan and specification requirements of the Division of Highways.

Ability to communicate effectively both orally and in writing.

Ability to read and comprehend plans and specifications.

Ability to establish and maintain effective working relationships with others.

Ability to work harmoniously with other employees.

MINIMUM QUALIFICATIONS

Certification as an Engineering Technologist by the West Virginia Transportation Engineering Technician Certification Board at BridgeValley Community and Technical College.

Special Requirement

Possession of a valid driver's license.

Note

Employees functioning as a licensed land surveyor must have a current state license from the State Board of Examiners for Land Surveyors.

AREAS OF ASSIGNMENT

Engineering

Construction

Established: 3/16/00

Revised: 3/11/09, 12/14/11. 06/10/2014

Effective: 12/14/11