

**TRANSPORTATION ENGINEERING TECHNICIAN - TRAINEE****Nature of Work**

Serves in a training capacity, learning basic concepts of highway and bridge construction and maintenance, including planning, design, surveys, materials, construction inspection, utility placement and relocation, traffic operations, and bridge safety. Participates in a training program requiring 180 Technician Development Hours.

**Examples of Work**

**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.)**

Performs basic sampling and field testing materials using standard methods and tests.

Performs basic surveying including Survey Helper duties; reducing and checking field book notes of simple surveys; determining, plotting and checking the basic cross sections.

Drafts simple designs and tracing by use of good standard practice with proper line widths and letters including standard title and location sheets, plans, profiles and survey notes, standard summary sheets and estimated quantities.

Drafts property line plots and simple completed surveys.

Drafts simple maps, charts, graphics and diagrams.

Inventories streets, roads, and installed traffic control devices.

**Knowledge, Skills and Abilities**

Elementary knowledge of physical science.

Ability to interpret materials testing terms and punctuation and sentence structure.

Ability to interpret drafting instruments, medial and techniques for reproduction.

Elementary knowledge of nomenclature and uses of standard laboratory equipment.

Ability to interpret traffic control devices (signs, markings, symbols).

Ability to do simple calculations of algebra, trigonometry and mathematical tables used in traffic analysis.

Ability to reading simple plans and specifications and basic metric units and conversions.

Ability to read, interpret and use topographic maps.

Ability to interpret standard symbols, scales, station numbers and conversion equations.

Ability to understand standard design terminology and nomenclature.

Ability to perform and report tests.

Ability to use standard tapes and chains and application of accepted rules for physical measurement of distances.

Ability to work harmoniously with other employees.

Ability to communicate effectively.

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**TRANSPORTATION ENGINEERING TECHNICIAN - TRAINEE (CONT'D)**

**Minimum Qualifications**

**Training:** High school graduation or equivalent.

**Special Requirement**

Possession of a valid driver's license.

Established: 10/21/93  
Revised: 10/29/99, 3/3/00, 11/1/01, 3/11/09  
Title Change: 3/3/00  
Effective: 3/11/09