

CLASS SPECIFICATION FOR
Materials Technician I

GENERAL STATEMENT OF DUTIES: Performs limited technical assignments involving soil surveys and the testing of highway construction and maintenance materials; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: An incumbent assists in testing activities for the usability and quality control of highway construction and maintenance materials. Work is performed under the general supervision of a Materials Technician II; but given the sites of some assignments, an incumbent may independently inspect, test and report test results without direct supervision.

EXAMPLES OF WORK (illustrative only):

- Performs routine laboratory tests on soil, concrete asphalt and similar materials;
- Samples and inspects construction materials such as bituminous concrete, Portland cement concrete, aggregates, soils, soil cement and soil-lime mixtures;
- Maintains accurate records and makes reports of test results;
- Assists Construction Inspectors in the field and may perform limited inspections independently;
- Operates a variety of equipment in performing routine laboratory tests;
- Performs related work as assigned.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES: Knowledge of the procedures for testing and sampling various highway construction materials; considerable knowledge of highway construction and maintenance materials; ability to read and interpret blueprints, plans and specifications dealing with materials and road construction; ability to perform mathematical computations; ability to keep records and make reports.

MINIMUM EDUCATION AND EXPERIENCE: Graduation from high school and one (1) year of experience in highway materials testing; OR, any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

ADDITIONAL REQUIREMENT: May require possession of a valid Virginia Commercial driver's license, with endorsements and without restrictions.