

CLASS SPECIFICATION FOR
Materials Technician II

GENERAL STATEMENT OF DUTIES: Performs simple to complex assignments involving the testing of a wide variety of highway construction and maintenance materials: does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: Conducts a broad range of testing activities requiring the exercise of independent judgment and planning in the application of standard testing procedures. This class uses advanced, nonprofessional engineering knowledge in dealing with the testing, review and documentation of material. Work is not subsequently subject to close check and the consequence of error is potentially serious. Supervision is exercised over lower-level technicians. Work is performed under the supervision of an Engineer.

EXAMPLES OF WORK (illustrative only):

- Performs a wide variety of laboratory tests on soil, concrete, asphalt, and similar materials to determine their acceptability;
- Samples and inspects construction materials such as bituminous concrete, Portland cement concrete, aggregates, soils, soil cement and soil-lime mixtures;
- Supervises and trains subordinates;
- Is responsible for the laboratory and its operation;
- Maintains accurate records and makes reports of tests and results;
- Assists Construction Inspectors in the field and may perform limited inspections independently;
- Operates a variety of equipment in performing laboratory tests including, but not limited to, air meters, moisture and density testing equipment, compression machinery and CBR machinery;
- Performs related work as assigned.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES: Extensive 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 to make reports; ability to plan and supervise the work of subordinates; ability to effect and maintain a good working relationship with contractors.

MINIMUM EDUCATION AND EXPERIENCE: Graduation from high school and four (4) years of experience in highway materials testing; OR, any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

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