

AOT Technical Apprentice IV

Job Code: 15600T

Pay Grade: 16

Occupational Category: Engineering and Architecture

Effective Date: 02/01/09

Class Definition:

Technical and administrative work at an entry level for the Agency of Transportation. Work assignments include routine and repetitive activities in construction inspection, field surveys, road and bridge design, hydraulic studies, materials testing, traffic and safety, environmental studies, planning, property administration and contract administration. Assignments are performed under general supervision of a higher level technician, engineer, or administrative supervisor. New assignments are performed under close supervision. There are no supervisory responsibilities.

Examples of Work:

Inspects earthwork construction, performs soil gradation tests, tests soils densities using the sand cone method, operates survey instruments for basic and intermediate level field surveys. Calculates design quantities. Tests densities using the nuclear gauge; may assist in the review of proposals for traffic signs and signals. Assists other technicians and engineers with field measurements, investigations and inspection, land surveying, environmental measurements and sampling. May assist in the development of site evaluation, inspection and investigation reports, drafting plans and specifications utilizing Computer Assisted Design and Drafting (CADD). May participate in work groups and coordinate assignments with other staff. Performs related duties as required.

Environmental Factors:

Duties are generally performed in both an office and field setting for which private means of transportation must be available. Field work may involve exposure to hazardous materials, traffic hazards and construction sites during all weather conditions, and may involve traversing rough terrain and bodies of water. Class incumbents may be required to carry equipment weighing up to 40 pounds, traverse rough wooded and steep terrain, travel in boats or work on structures above ground level. Duties may also require exposure to extreme weather conditions.

Minimum Qualifications:

Knowledge, Skills and Abilities:

Knowledge of basic mathematics including calculations of areas and volumes.

Awareness of transportation construction and maintenance technology.

Ability to maintain logs and records and to prepare clear, effective reports.

Ability to learn to operate and maintain assigned equipment.

Ability to read and interpret maps and engineering plans.

Ability to perform compliance inspections.

Ability to communicate effectively orally and in writing.

Ability to establish and maintain effective working relationships.

Education and Experience:

Associate's degree or 60 college credits in civil engineering, environmental technology, engineering technology, surveying, construction technology, or architecture. ·

OR

High School graduation or equivalent and two years of experience performing engineering support tasks involved in one or more of the following planning, surveying, design, inspection, construction, research and statistics, testing, investigation, maintenance construction of various types of civil engineering projects.

OR

Three seasons of working as an AOT Technical Apprentice III with the State of Vermont.

NOTE: Candidates should have a valid driver's license and transportation may be required for field assignments.

Special Requirements: n/a