

NICET ENROLLEE 1

Nature of Work: Under direct supervision, an employee in this class performs entry level technician work in one of the following highway construction career fields: construction, design, materials, survey, or traffic operations. The employee is enrolled in a program or work and training which leads to NICET certification as a Technician-in-Training (TIT). Performs related work as required.

Examples of Work

Inspects and records base and sub-base materials used in highway construction for proper placement, compaction, and shaping.

Inspects and records clearing and grubbing by contractors in preparation for highway construction.

Drafts contours for grading plans.

Computes quantities of earthwork and materials used in highway constructing using basic arithmetic.

Tests compressive strengths of soils.

Tests aggregates for specific gravity and absorption.

Determines special speed and restricted traffic zones on the basis of specified criteria.

Posts, codes, maintains, and installs portable and permanent traffic counters.

Assists in land and property corner searches.

Drives stakes, sets monuments, and establishes benchmarks for surveying as directed.

Knowledge, Skills and Abilities

Knowledge of basic sampling and field testing materials using standard methods and tests.

Knowledge of standard highway design terminology and nomenclature.

Knowledge of basic mathematics.

Knowledge of standard traffic control devices (signs, markings, signals).

Knowledge of precision requirements for Third Order and lower precision surveys.

Ability to read and use topographic maps.

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

Ability to perform and report tests on materials and aggregates used in highway construction.

Ability to understand standard plans and specifications as applied to Traffic Control Provision.

Ability to determine, plot, and check standard cross sections.

Minimum Qualifications

Training: Education equivalent to graduation from a standard four-year high school.

Substitution: Additional experience as described below may be substituted for the required training on a year-for-year basis.

Experience: Six months of full-time or equivalent part-time paid employment in the area of assignment.

Substitution: Successful completion of an approved vocational school program in drafting and/or design of at least 1,080 clock hours or equivalent may be substituted for the required experience.

Note: Certification as a Technician-In-Training by the National Institute for the Certification of Engineering Technicians is based on a review of applicant's length and quality of training and experience by NICET officials and may not allow credit for all of the applicant's qualifications.

AREAS OF ASSIGNMENT

Construction

Design

Drafting

Materials

Survey and Traffic Operations

Established: 10/21/93

Revised: 9/11/95

Effective: 9/11/95