

ASSOCIATE ENGINEERING TECHNICIAN

DEFINITION

Under general supervision, to supervise a survey party engaged in making a variety of field engineering surveys; to assist with highway designs, plans, estimates and drafting; and to do related work as required.

EXAMPLES OF DUTIES

Supervises a field party on construction, property location or other survey work; operates transit, theodolite, level, and electronic distance measuring equipment; determines lines, angles, distances and elevations; locates boundaries, property lines and records topography; lays out construction surveys; keeps field notes and makes sketches and computations; trains and instructs survey party members in the correct use of survey equipment and instruments; assists with the plans and designs for highway projects; makes calculations and estimates; does engineering drafting; acts as an inspector on highway or bridge construction projects; conducts traffic speed studies; and collects traffic accident information.

EMPLOYMENT STANDARDS

Education and Experience: Any combination of training and experience equivalent to an Associate Degree in civil technology, surveying or related and two years of engineering technical field work. Prefer computer aided drafting experience as related to highway construction.

Knowledges and Abilities: Knowledge of the basic principles of civil engineering as related to surveying; knowledge of mathematics as applied to the computation of distances, angles, areas and traverses; knowledge of the sources of engineering and surveying information; knowledge of highway construction techniques especially in the area of stakeout requirements; knowledge of techniques and equipment used to gather traffic data; knowledge of modern surveying instrumentation; knowledge of computer aided drafting; ability to assist in the preparation of designs, plans and estimates; ability to legibly prepare and interpret field notes; ability to supervise and train a survey crew or subordinate technicians; ability to act as an inspector of construction contracts.

Special Requirements: Possession or eligibility for a State of Wisconsin driver's license.