

ENGINEER II

NATURE AND VARIETY OF WORK

This is full performance professional technical work in the engineering fields (e.g., civil, transportation, fire protection, environmental) requiring the application of sound engineering practices and principles to a wide variety of public works, transportation, construction and related projects. Assignments include both office and field work with the responsibility of independent judgment and technical decisions under the general supervision of higher level professional engineers. Position incumbents may supervise lower level professional, para-professional and technical engineering personnel. Work is evaluated relative to the effectiveness in the accomplishment of departmental goals and objectives.

EXAMPLES OF WORK (ILLUSTRATIVE ONLY)

May exercise the full range of supervisory duties and responsibilities.

Performs work that involves conventional plans, investigations, surveys, structures or equipment with relatively few complex features for which there are precedents.

Prepares plans, specifications, estimates and reports and participates in the design, construction, maintenance and operation of a variety of projects and programs.

Investigates and provides recommendations on improvements required for the resolution of engineering problems on assigned projects.

Conducts, reviews and prepares both regular and special reports using sound engineering judgment and technically accurate information for a variety of projects and programs.

Cooperatively works with others in the planning, development and resolution of engineering related programs, projects and problems.

Coordinates and participates in the development, planning, construction and operation of projects and facilities.

Willingly and cooperatively performs tasks and duties which may not be specifically listed in the class specification or position description, but which are within the general occupational category and responsibility level typically associated with the employee's class of work.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of the principles, practices, methods and techniques of the engineering field required for the position and the ability to apply these principles and practices.

Knowledge of the regulatory and procedural policies of the department.

Ability to conduct effective conferences and discuss technical matters.

Ability to plan projects and prepare related designs, estimates and specifications.

MINIMUM QUALIFICATIONS

Bachelor's degree in the engineering field (civil, transportation, architectural, mechanical, fire protection, agricultural, agronomy, etc.) as determined by the requirements of the position and at least one (1) year of experience as an Engineer; or, any equivalent combination of at least five (5) years of relevant education and experience which provides the ability to apply the modern principles and practices of the engineering profession identified.

DESIRABLE QUALIFICATION

Engineer in Training (EIT) certificate.