

**DESCRIPTION:** This is professional engineering work under limited supervision. Employees in this class work independently in performing difficult assignments involved with design, coordination and the management of engineering projects, inspection and survey work, quality testing and the supervision of pre-professional engineering personnel. Employees in this class of position act with independence, however, work is reviewed and approved by the supervisor; performs related work as required.

**EXAMPLES OF WORK:** (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

Designs, coordinates and manages a wide variety of engineering projects.

May plan, coordinate and supervise inspection and survey work on construction projects.

Performs and supervises the preparation of preliminary designs and surveys.

Prepares preliminary estimates and specifications.

Attends various pre-construction planning meetings and conferences.

Supervises or performs work involved in the quality testing, selection and investigation of materials involved in the construction of highway projects.

Supervises and makes shop inspections of metal fabrications in steel plants.

Performs routine administrative work in the maintenance of records and reports.

May supervise pre-professional engineering personnel or engineers in training.

**ENTRY KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED:** (These are needed to perform the work assigned.)

Knowledge of: principles and practices of engineering; modern methods and techniques of highway construction, maintenance and materials.

Skill in: making engineering computations in designing difficult engineering projects and in making complete engineering plans.

Ability to: plan, assign and supervise the work of subordinates.

**MINIMUM UALIFICATIONS:** (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)

Bachelor's degree in Engineering AND Engineering Intern Certification. OR Registration as a Professional Engineer.