

LANCASTER COUNTY
CIVIL ENGINEER I

NATURE OF WORK

This is beginning level professional civil engineering work performed in the office, field, or drafting room.

Work involves responsibility for the application of elementary professional engineering skills to moderately difficult civil engineering projects in connection with the design, construction, inspection or maintenance of a variety of engineering construction projects. Employees of this class typically perform technical work in design, construction, inspection, or preparation of plans and specifications as well as participate in other work tasks requiring comparable professional knowledges and skills. Supervision may be exercised over several technical subordinates. Work assignments afford limited opportunity for independent judgment in planning work or in making technical decisions. General supervision is received during progress of work, and a careful final check is made by a professional superior.

EXAMPLES OF WORK PERFORMED

Assists with the design, construction, inspection and maintenance of road and bridge construction projects; performs quality testing, selection and investigation of materials involved in various construction projects.

Performs and may supervise the preparation of preliminary designs or assists in reviewing designs prepared by outside engineering firms.

Performs routine administrative work in the maintenance of records and related reports as they pertain to construction projects.

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

Performs related work as required.

DESIRABLE KNOWLEDGES, ABILITIES, AND SKILLS

Knowledge of modern principles and practices of professional civil engineering.

Knowledge of land and engineering survey systems, methods, and techniques.

Knowledge of the principles, practices, and techniques of engineering drafting.

Ability to adapt approved engineering methods and standards to the design and construction of a variety of engineering projects.

Ability to prepare technical reports in connection with assigned projects.

Ability to establish and maintain effective working relationships with governmental officials, associates, subordinates, and the general public.

Skill in the use and care of drafting instruments.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from an accredited four year college or university with major course work in civil engineering; possession of a valid Engineer In Training Certificate at time of appointment.

MINIMUM QUALIFICATIONS

Possession of a valid Engineer In Training Certificate.

3/77

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