

ENGINEERING ASSOCIATE/SENIOR

DESCRIPTION: Performs advanced independent technical and/or supervisory para-professional engineering work involving the application of advanced engineering skills of a practical rather than theoretical nature; 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.)

May plan, coordinate and supervise inspection and survey activities in construction projects of a complex nature.

Serves as party chief for complex types of preliminary and construction survey work.

May coordinate engineering activities with contractor's work schedule. Performs complex design work on roadways, bridges and other structures.

Interprets specifications, standards and manuals in the resolution of technical problems.

Maintains accurate and complete progress records and reports.

May serve as supervisor of technical and complex office functions.

FULL PERFORMANCE KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED: (These may be acquired on the job and are needed to perform the work assigned.)

ENTRY KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED: (Applicants will be screened for possession of these through written, oral, performance, and/or other evaluations.)

Knowledge of: mathematics; land surveying and materials testing; principles and practices of engineering; engineering design and construction; mechanical and engineering aptitude.

Skill in: use of surveying, materials testing, drafting and computing instruments.

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

JOB PREPARATION GUIDELINES: (Entry knowledge, abilities, and/or skills may be acquired through, BUT ARE NOT LIMITED TO, the following coursework/training and/or experience.)

High school education or equivalent plus eight years para-professional engineering experience demonstrating ability comparable to the beginning professional level. Graduation from a recognized two-year vocational engineering school or other related post high school education may substitute for work experience.