

## ENGINEERING ASSOCIATE

DESCRIPTION: This is independent technical and/or supervisory para-professional engineering work requiring the application of precise engineering principles and skills gained through training and extensive experience; 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 involved in construction projects of moderate complexity.

Coordinates engineering activities with contractor's construction schedule.

Maintains complete progress records and reports.

Serves as a party chief for the most difficult types of preliminary and construction survey work.

Supervises and prepares right-of-way plans; designs right-of-way limits.

Serves as a supervisor of technical office work; performs necessary complex calculations.

Performs highly skilled drafting and design assignments on roadways, bridges and structures.

Assists with activities related to the rehabilitation of utilities affected by the construction of state projects.

May perform, on occasion, similar level work relating to any aspect of the agency 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; principles and practices of engineering; highway specifications.

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

Skill in: the use of surveying materials testing, drafting, and computing instruments; all phases of field surveying.

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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.)

Any combination of training and/or work experience that will enable the incumbent to possess the required knowledge, skills and abilities. A general qualification guideline is a high school education or equivalent plus six years of para-professional engineering experience; graduation from a recognized two-year vocational engineering school or other related post high school education may be substituted for work experience.