

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

CIVIL ENGINEER IV

POSITION CODE: 07604

Effective: 4-1-75

DISTINGUISHING FEATURES OF WORK:

Under general direction, performs multi-faceted civil engineering duties concerned with the investigation, location, design, construction and maintenance of engineering projects.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Functions as administrator of a small in-house engineering section or independently is responsible for technical assignments such as the preparation of structural survey and design reports or serves as resident engineer on projects of extreme difficulty or magnitude more than half of the incumbent's time.
2. Performs difficult technical research, prepares reports of findings and supervises the preparation of specifications or performs design work for complex and difficult structures; supervises the collection and analysis of factual data pertaining to structural projects, and their physical extent and condition.
3. Functions as a specialist on complex engineering activities generally of an in-house nature which relate to engineering procedural manual evolution or performs research which typically results in procedural changes, policy development and/or subsequent revisions.
4. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill, and mental development equivalent to completion of four years college culminating with a bachelor's degree in civil engineering.

Requires possession of Illinois Certificate as a Registered Professional Engineer.

Requires four years of professional civil engineering experience.

Knowledges, Skills and Abilities

Requires extensive knowledge of civil engineering theory, principles and practices.

Requires extensive knowledge of structural design, construction, remodeling and maintenance engineering methods and techniques.

Requires ability to execute structural design and effect comprehensive structural engineering plans and specifications.

Requires ability to supervise subordinate engineering staff and support personnel.

Requires ability to perform difficult technical engineering research and development work stressing innovative techniques.

Requires ability to establish and further effective working relationships with staff and associate personnel.