

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

CIVIL ENGINEER II

POSITION CODE: 07602
Effective: 5-1-70

DISTINGUISHING FEATURES OF WORK:

Under general supervision, performs moderately difficult professional civil engineering duties in connection with planning, design, construction, or maintenance of more complex engineering projects.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Performs preliminary field surveys and inspections for proposed projects; acts as chief of survey party, operating survey instruments and recording field data for design, location, topographic and cadastral surveys.
2. Supervises or performs the instrument work necessary to ensure the proper layout of line and grade for small construction projects, such as impoundment dams, access roads and wells; inspects various details of the construction work for satisfactory workmanship and adherence to plans and specifications, or may supervise others performing these inspections; serves as resident engineer on small construction projects.
3. Prepares design plans for less complex watersheds, drains, roads, wells, pumps, and drainage structures; prepares preliminary reports and detailed survey reports of water development and watershed projects.
4. Prepares and checks material and other construction estimates and proposals; samples and test soils; makes physical and chemical tests of construction or maintenance materials; may supervise minor or routine phases of the work performed by engineering technicians or contractor's personnel.
5. Advises private local conservation groups on proposed watershed projects and proper conservation practices.
6. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

CIVIL ENGINEER II (Continued)

DESIRABLE REQUIREMENTS:

Education and Experience

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

Requires one year professional experience in civil engineering.

Knowledges, Skills and Abilities

Requires working knowledge of professional civil engineering methods, procedures, and techniques.

Requires working knowledge of various physical and chemical tests used in civil engineering.

Requires ability to supervise small engineering projects and to obtain adherence to the plans and specifications.

Requires skill in the use and application of engineering instruments and laboratory testing equipment.

Requires ability to perform complex survey work, supervise construction work and to design moderately difficult engineering projects.

Requires ability to advise and cooperate with private development and conservation organizations.