

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

CIVIL ENGINEER III

POSITION CODE: 07603
Effective: 5-1-70

DISTINGUISHING FEATURES OF WORK:

Under direction, performs difficult civil engineering duties of a professional nature in connection with the design, location, construction, or maintenance of state facilities; makes engineering investigations to determine feasibility of proposed projects.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Performs highly technical duties in the design, construction, investigation, location, or maintenance of engineering projects; prepares design reports, plans, and specifications for these projects.
2. Makes layouts and checks drawings for compliance with design, plans, and specifications; makes field investigations to determine feasibility of proposed designs; prepares costs estimates and makes recommendations for appropriation requests.
3. Performs investigational and research work such as physical and chemical tests of materials and supplies; compiles engineering reports of investigations.
4. Advises administrators on status and relative priority of projects; supervises material purchases and personnel on force account projects; prepares letters of justification for disposition of federal aid funds.
5. Makes field surveys as location engineer; lays out areas, roads, physical facilities, and permanent improvements; prepares recommendations based on field surveys.
6. Supervises construction of various projects in the field by contractors to ensure adherence to plans and specifications and to advise on efficient utilization of personnel and supplies.

CIVIL ENGINEER III (Continued)

7. Negotiates with private and public organizations, governmental agencies, and individuals affected by departmental functions and policies.
8. 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 with a degree in civil engineering.

Requires two years professional experience in civil engineering.

Knowledges, Skills and Abilities

Requires extensive knowledge of the principles and practices of civil engineering methods and techniques as related to the construction and maintenance of the public works.

Requires ability to supervise the work of other engineers and technicians and to supervise and inspect the work of contractors.

Requires ability to obtain and enforce adherence to plans and specifications.

Requires ability to write detailed technical reports on public projects.

Requires skill in making involved engineering computations, in designing difficult engineering projects, in making complete engineering plans and conducting engineering research.

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