

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

ENGINEERING TECHNICIAN IV

POSITION CODE: 13734
Effective: 6-16-76

DISTINGUISHING FEATURES OF WORK:

Under general direction, plans, directs and coordinates the functions of a technical staff engaged in inspections, investigations, conducting surveys, designing, drafting, maintenance, repair, construction, mechanical and electrical engineering projects; performs difficult and highly technical paraengineering work.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Supervises and directs the technical staff engaged in the preparation of comprehensive and technical engineering reports, memoranda, letters, recommendations and draft orders concerning designs, plans, specifications, evaluations, construction programs, operations standards, safety requirements and service standards; provides general technical assistance.
2. Supervises the investigations of incidents or accidents to improve the operation or maintenance functions of companies providing services within the State.
3. Supervises the writing, evaluating and analyzing of specifications, construction practices and procedures to ensure compliance with the established guidelines.
4. Supervises the investigations of the safety of working conditions to eliminate or alleviate any hazardous conditions that may exist.
5. Performs difficult and highly technical paraengineering work in conducting inspections, investigations, surveys, designing, drafting, maintenance, repair, construction, mechanical and electrical engineering projects.
6. Performs other duties as required or assigned which are reasonably within the scope of duties enumerated above.

ENGINEERING TECHNICIAN IV (Continued)

DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill and mental development equivalent to completion of two years of college with coursework in engineering.

Requires four years of progressively responsible professional technical experience in engineering.

Knowledges, Skills and Abilities

Requires thorough knowledge of the principles and practices of engineering.

Requires thorough knowledge of mathematics which includes geometry, college algebra and trigonometry.

Requires thorough knowledge of the utilization of materials, planning and composition, and construction, mechanical and electrical techniques.

Requires thorough knowledge of engineering measuring devices, instruments, laboratory and sampling equipment.

Requires ability to plan and supervise the activities of subordinate staff while independently carrying out complex engineering technician assignments.

Requires ability to independently collect, analyze and report significant engineering data.

Requires ability to understand, disseminate and interpret comprehensive engineering reports.

Requires ability to recognize and report errors, inconsistencies and other deficiencies in technical data.

Requires ability to use engineering equipment, instruments and devices.

Requires ability to establish and maintain satisfactory working relationships with public and private officials.