

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

WATERWAYS CONSTRUCTION SUPERVISOR I

POSITION CODE: 49061
Effective: 8-1-81

DISTINGUISHING FEATURES OF WORK:

Under general supervision, plans and supervises the work of an assigned field crew of Maintenance Equipment Operators, heavy equipment operators and other staff engaged in the construction and maintenance of channels, dams, buoys, spillways, locks, levees and equipment installation throughout the state; travels to work sites and oversees and participates in stream and facilities maintenance.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Operates, instructs, and supervises subordinates in the operation and maintenance of gas or diesel power cranes, draglines, clamshells and bulldozers; instructs employees in the use and care of equipment such as sandblasters, welding equipment, spray painting equipment compressors and hammers, and other associated equipment.
2. Supervises and instructs subordinates in the construction of grades, earth dams, fills, cuts, culverts and drainage systems; supervises the clearing of brush, driftwood and other forms of debris along the sides of lakes, rivers, channels, pump station intakes, control structures and spillways.
3. Supervises the repair and maintenance of levees, dams, spillways, gates, docks, rip-rap, buoys and other marine structures and equipment; dredges waterways, replaces and sets pilings.
4. Maintains records of equipment maintenance, staff and equipment hours expended, equipment inventory and daily reports to ensure efficiency and economy of construction.
5. Supervises and participates in the shop and field construction of special structures fabricated from timber, steel, concrete, aluminum, plastics and other materials required for permanent and temporary facilities.

WATERWAYS CONSTRUCTION SUPERVISOR I (Continued)

6. May perform fundamental layout and survey with level and transit to determine proper location of project which includes placement of cut stakes, field stakes and right of way stakes necessary for the project; may supervise workers in the operation of equipment, supplied by local authorities to expedite project completion or advancement.
7. 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 developmental equivalent to completion of four years of high school, with coursework in advanced mathematics, blueprint reading and surveying.

Requires two years experience in marine or other related public works construction, including the operation of construction equipment.

Knowledges, Skills and Abilities

Requires working knowledge of construction materials and construction methods and practices.

Requires working knowledge of tools, procedures and techniques required in waterways construction and stream maintenance.

Requires working knowledge of the use and application of levels, transits and reference tables used in surveying.

Require ability to instruct and supervise workers in the operation and maintenance of construction equipment.

Require ability to read, interpret and work from plans, simple drawings and sketches.

Require ability to make simple arithmetical computations and bulk estimates of materials needed.

Requires ability to prepare routine reports and maintain records.

Requires ability to outline assignments and communicate assignments to staff.

Requires skill in the use and operation of construction equipment.