

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES  
CLASS SPECIFICATION

BRIDGE MECHANIC

POSITION CODE: 05310  
Effective: 11-16-70

DISTINGUISHING FEATURES OF WORK:

Under general supervision, operates, services, repairs, tests, installs and maintains mechanical and electrical equipment used in the operation and lighting of movable highway bridges over a navigable waterway.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Performs oxyacetylene and electric welding; cuts out braces; solders many types of metals.
2. Diagnoses and corrects electrical difficulties; cleans and installs motors, controls and lighting equipment.
3. Performs mechanical repairs; adjusts bearings and gears; aligns shafts.
4. Performs general carpentry work.
5. Inspects, cleans and lubricates mechanical machinery and related equipment.
6. Performs routine plumbing maintenance.
7. Operates drill press, power saw and grinding machine.
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 no formal education.

Requires two years related mechanical and electrical experience.

Knowledges, Skills and Abilities

Requires working knowledge of the detailed operation of mechanically controlled movable bridges.

Requires skill in the maintenance and repair of mechanically or electrically operated bridges.

Requires skill in operating drill presses, power saws and grinding machines.

Requires ability to direct and supervise others engaged in bridge maintenance work.

Requires ability to perform acetylene or electric welding, cutting out, brazing, soldering and related work on various forms of metals.

Requires ability to operate electrically operated bridges in times of emergency.

Requires ability to make reports.

Requires ability to follow written or oral instructions; interpret and work from plans, sketches and blue prints.