



## STRUCTURES WORKER

FC: MA635  
PG: MWII

PC: 201  
BU: 01  
December 1989

### DEFINITION

Under general supervision, performs a variety of semi-skilled structural maintenance, repair and modification activities involving sub-stations, retaining walls, trenches, vent housings, tunnels, aerial structures and rights-of-way; performs related work as assigned.

### CLASS CHARACTERISTICS

Incumbents in this class normally work in a small crew setting and on off-hours shifts to perform varied physical work in the maintenance of varied concrete and related structures underground and above-ground in locations throughout the system. This class is distinguished from the skilled craft classes in that the work of the latter classes normally require the equivalent of completion of an apprenticeship in a designated craft area for successful work performance.

### EXAMPLES OF DUTIES

Receives daily work assignments from shift foreworker; selects necessary tools, equipment and materials; travels to assigned work sites; cleans and clears debris, weeds, shrubbery, dead animals and other trash and obstructions from tunnels, rights-of-way, drains, grates and similar locations; drains standing water or water seepage using hand or power pumps; caulks or grouts cracks in walls, floors or other surfaces by selecting appropriate filler materials, cleaning and preparing surfaces to be grouted, and applying grout, mortar or other filler materials following manufacturer's instructions; breaks out existing concrete, asphalt or other surfaces using hand or power equipment; excavates and grades areas for proper configuration or drainage; reads diagrams and specifications to determine appropriate measurements; erects wooden forms or supporting structures for concrete work; pours and finishes concrete for retaining walls, walkways, etc.; applies and finishes asphalt surfaces as required; erects, dismantles and works from scaffolding as required; places and dismantles shoring in underground trenches; cleans up work site after completion of assigned work; maintains tools and equipment in a clean and orderly condition; reports the

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need

for additional maintenance or repair to foreworker.

## QUALIFICATIONS

### Knowledge of:

Structures maintenance procedures, methods, supplies, tools and equipment.  
Proper use and care of hand and power tools and equipment.  
Safe working practices and techniques, particularly in underground situations.  
Excavating and shoring practices and techniques.

### Skill in:

Using hand tools and power equipment to perform semi-skilled concrete, asphalt and related structures maintenance work.  
Following oral and written directions.  
Working independently without immediate supervision.  
Working cooperatively with others in a crew.  
Reading and working from blueprints, drawings and schematics.

### Other Requirements:

Must possess a valid California driver's license and have a satisfactory driving record.  
Must have physical capability to perform strenuous physical labor, including sufficient  
Strength to lift sacks of cement weighing up to 90 pounds. Must be willing to work weekends and off-hours shifts.

A typical way of gaining the knowledge and skills outlined above is:

Equivalent to completion of the twelfth (12) grade and one year of experience which will have provided a familiarity with semi-skilled heavy construction and maintenance procedures, equipment and supplies.