



JCN# 6111, 6112, 6113

County of El Dorado

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BRIDGE MAINTENANCE WORKER I/II/III

DEFINITION

Under general supervision, performs routine and skilled work in ~~the repairing~~ and ~~construction~~ constructing of bridges, box culverts, guard rails, retaining walls and related structures; operates hydraulic cranes, backhoes, and related construction equipment.

SUPERVISION RECEIVED AND EXERCISED

Receives close supervision, general supervision or direction from an assigned supervisory or management staff. May receive worksite direction from a Senior or Lead Worker. Exercises no direct supervision over staff.

DISTINGUISHING-CLASS CHARACTERISTICS

Bridge Maintenance Worker I: This is the entry-level classification in the Bbridge Mmaintenance class series. Initially Under close supervision, incumbents learn and perform various a variety of duties in bridge maintenance, repair and construction. This class is alternately staffed with Bridge Maintenance Worker II and incumbents may advance to the higher level after gaining experience and demonstrating proficiency, which meets the qualifications of the higher-level class.

Bridge Maintenance Worker II: This is the skilled journeyman-level classification in the Bridge Maintenance class series. Incumbents perform a variety of tasks, a variety of task, including the operation of construction equipment such as dump trucks. This class is distinguished from Bridge Maintenance Worker III in that the latter is responsible for the operation of hydraulic cranes, backhoes and related construction equipment.

Bridge Maintenance Worker III: This is the skilled-advanced skilled journeyman-level classification in the Bbridge Mmaintenance class series. Incumbents perform a variety of various duties in bridge maintenance, repair, and construction duties, including the operation operating of hydraulic cranes, backhoes and other construction equipment. This class is distinguished from Sr. Bridge Maintenance Supervisor Worker, which is the lead level lead-level class in this series. with responsibility for providing direction to a work crew.

EXAMPLES OF DUTIES (Illustrative Only)

- Performs carpentry work in the construction and repair of bridges, box culverts, guard rails, retaining walls and/or related structures; performs construction of various wooden structures such as storage sheds, utility buildings and/or other structures.
- Performs rough and finish concrete work; constructs wooden forms, form panels, and bracing for various concrete structures; mixes, pours and finishes concrete.
- Maintains and repairs steel bridges by erecting and securing steel girders, stringers, guard rails and/or other components.

- Operates construction equipment such as hydraulic cranes, backhoes, dump trucks, flat-beds, forklifts, and other vehicles; operates various hand and power tools associated with the construction and maintenance of bridges and related work.
- Performs general safety checks on equipment, including fueling and checking the oil, water, lights, and ~~for~~ other appropriate vehicle component systems.
- Performs form stripping, painting, and clean-up duties on bridges and related structures.
- May act in a lead capacity on a specific job at times.
- ~~May provide lead direction for a small crew.~~
- Performs snow removal, ice control and storm patrol duties as assigned.
- Attendance and punctuality that is observant of scheduled hours on a regular basis.
- Performs other duties as assigned.

QUALIFICATIONS

Bridge Maintenance Worker I/II/III

~~Note: The level and scope of knowledge and skills listed below are related to job duties as defined under Distinguishing Characteristics.~~

Knowledge of:

- Techniques, materials, tools and equipment used to maintain and repair in the maintenance and repair of bridges, drainage systems and other related structures.
- Operation and maintenance of vehicles and equipment used in bridge repair and construction, including hydraulic cranes and backhoes.
- Operation and repair of a wide variety of hand and power tools and equipment common to the field.
- Safe work methods and safety regulations pertaining to the work.
- Basic shop arithmetic.

Ability to Skill in:

- Operateing trucks and equipment such as hydraulic cranes and backhoes used ~~in the to~~ repair and construction ~~of~~ bridges and related structures.
- Operateing and maintaining a variety of hand and power tools and equipment used in ~~the~~ work.
- Exerciseing independent judgment and initiative without close supervision.
- Understanding and following oral and written instructions.
- Keeping accurate records and prepareing basic reports.
- Establishing and maintaining effective working relationships with those contacted in the course of the work.

Education and Experience:

A combination of the required experience, education, and training that would provide the essential knowledge, skills, and abilities is qualifying; however, education may not solely substitute for the required experience.

Bridge Maintenance Worker I: six months of experience performing manual labor work.

Bridge Maintenance Worker II: in addition to the above, one year of experience in bridge maintenance and construction work at a level equivalent to the County's class of Bridge Maintenance Worker I.

Bridge Maintenance Worker III: one year of experience in bridge maintenance and construction work at a level equivalent to the County's class of Bridge Maintenance Worker II AND passage of the performance examination for this classification.

Other Requirements:

~~Must regularly lift and carry objects weighing up to sixty (60) pounds. Must be willing to work out of doors in all weather conditions, work overtime or off-hour shifts in emergency situations and work with exposure to traffic.~~

Bridge Maintenance Worker I must possess a valid driver's license.

Bridge Maintenance Worker II must possess a valid commercial Class B driver's license with no restrictions ~~as to on~~ transmission and air brakes, and must acquire a Tanker Endorsement within six months of hire or promotion. ~~date.~~

Bridge Maintenance Worker III must possess a valid commercial Class A driver's license with a Tanker Endorsement and no ~~restrictions as to~~ transmission and air brakes restrictions.

Education and Experience:

~~Bridge Maintenance Worker I: six months of experience as a laborer in construction or maintenance work.~~

~~Bridge Maintenance Worker II: in addition to the above, one year of experience in bridge maintenance and construction work at a level equivalent to the County's class of Bridge Maintenance Worker I.~~

~~Bridge Maintenance Worker III: one year of experience in bridge maintenance and construction work at a level equivalent to the County's class of Bridge Maintenance Worker II AND passage of the performance examination for this classification.~~

~~NOTE: The above qualifications are typically accepted ways of obtaining the required knowledge and skills.~~**PHYSICAL DEMANDS**

Must regularly lift and carry objects weighing up to sixty (60) pounds and perform sustained physical labor. Must be willing to work outside ~~of doors in~~ all weather conditions and ~~to work with~~ be exposed to heavy traffic and other hazards. Must be willing to work overtime. ~~with exposure to heavy traffic and other hazards. Must be willing to work overtime and off hours shifts in emergency situations.~~

ENVIRONMENTAL CONDITIONS

Employees perform work outdoors in all weather conditions and varying temperatures with frequent exposure to dust, ~~occasional exposure to~~ heavy traffic and noise levels associated with traffic and mechanical equipment; infrequent exposure to heights, hazardous substances such as gasoline and diesel fuel, hazardous machinery and power tools.

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