



Senior Bridge Carpenter

Class code: 408

Employee Group: SEIU

FLSA: Non-Exempt

Salary Range: 20

I. Position Summary

Under direction, to coordinate and participate in the building, modification and repair of bridges; to construct, inspect and note defects; replace bridges, forms, rails; and to perform general bridge maintenance work.

II. Distinguishing Features

This is the advanced journey level classification in the Bridge Carpenter Series. This class is distinguished from the journey level in the greater complexity of work performed. Employees possess a significant level of technical and functional expertise beyond that expected at the journey level. Positions at this level require highly specialized knowledge, abilities, skills and experience and often exercise independent judgment in the performance of their duties. Employee exercise technical and functional supervision over lower level positions although this requirement is ancillary to the main function of the classification.

III. Examples of Essential Position Duties

- Serves as lead person by coordinating the work of skilled and semi-skilled equipment operators, road maintenance workers, and bridge carpenters in bridge repair, construction, and upkeep.
- Coordinates and participates in the work of a bridge crew in building new bridges; modifies, widens and repairs existing wood and concrete bridges.
- Inspects bridge members and note defects; removes rotten or broken wood concrete or steel bridge parts including caps, decking and posts.
- Prepares, maintains and submits a variety of records and reports; prepares inspection reports including findings, defects noted, and needed repairs; time worked, inventory and production reports.
- Constructs storm drain and culvert boxes.
- Installs rock retaining walls and gabions.
- Demolishes existing wood structures and replace with new concrete structures.
- Performs regular bridge maintenance; cleans drains, removes debris from decks and sidewalks, expansion joints, rocker bearing and caps.
- Measures and builds concrete forms; tie rebar.
- Pours concrete; constructs concrete block structures.
- Operates heavy equipment including dump trucks, hydraulic jacks, cranes and backhoes. Patches and repairs damaged concrete on bridges and culvert boxes.
- Breaks up and cuts concrete using paving breaker and concrete saw.
- Paints wooden rails and posts; repairs, replaces and installs guard rails.
- Removes flood debris, brush, trees and driftwood from around, on and under bridges.
- Provides instruction to others concerning the finish concrete process
- Requisitions and maintains inventory of materials to meet bridge maintenance requirements.
- Completes general laborer tasks as needed.
- Adheres to County and departmental policies and procedures as well as safe work practices, policies and procedures.

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- Develops and maintains effective working relationships with other staff, public officials, the general public and representatives of other agencies.
- Attends and participates in required trainings.
- Has regular and reliable attendance.
- Overtime may be required.
- Performs other related duties as assigned.

IV. Knowledge, Skills and Abilities

Position requires extensive knowledge of concrete and heavy timber construction; knowledge of basic construction and maintenance techniques. Ability to use and operate a variety of heavy and small construction equipment, machines and hand tools including drills, saws, backhoe, compressor, generator, trowel, float, screed, pump, dump and boom trucks, paint gun, jackhammer, acetylene torch, stud and nail guns. Ability to read and understand blueprints and plans; inspect bridges for compliance with safety standards and operational requirements; plan and develop cost estimates and bids; instruct and provide work direction to others; prepare and maintain accurate records and reports; establish and maintain cooperative working relationships with those contacted in the course of work; use basic arithmetic; prioritize work and meet established deadlines; and interpret and explain department policies and procedures as necessary.

V. Minimum Requirements (*Performance of the essential duties of this position includes the following requirements, physical demands and/or working conditions*)

Education and Experience

A combination of education and experience equivalent to completion of the twelfth grade AND five years of work related experience.

Licenses, Certificates and Other

Possession of a current, Oregon Class "A" Commercial Driver's License and a good driving record.

Physical Demands (*Performance of the essential duties of this position includes the following physical demands and/or working conditions*)

Requires the ability to exert a considerable amount of force frequently to lift, carry, push, pull, or otherwise move objects and to stoop, crouch, climb and lift in performance of manual labor; operate a variety of tools, equipment and vehicles used in performance of daily tasks; ability to perform assigned work in a safe manner; may be subject to uncomfortable working conditions including exposure to dust, noise, heat, cold or moisture.

Working Environments

Work duties involve exposure to inclement weather and may be performed on scaffolding, in high places or confined spaces, above water or while hanging from a sling. Positions require frequent walking, climbing, bending, kneeling and the ability to push, lift, pull and carry up to 100 pounds.

VI. Additional Information

This classification description is not intended to be an exhaustive list of duties, knowledge, skills, abilities, or requirements, as any one position in this classification may be assigned some or all of these duties, in addition to other duties not explicitly listed here. The various duties, responsibilities and/or assignments of this position may be unevenly balanced and change from time to time based upon

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matters such as, but not limited to, variations in the shift, work demands, seasons, service levels and management's decisions on how to best allocate department resources. Any shift, emphasis or rebalancing of these assigned duties, responsibilities and/or assignments does not constitute a change in the job classification.

Adopted: 7/97

Revised: 3/11