

Washington State Department of Personnel
Class Specification

MAINTENANCE LEAD TECHNICIAN, BRIDGE

597H

Abolished: Adopted 08/13/2009, Effective 08/14/2009

Definition:

Leads and directs bridge crews performing maintenance, repair, and reconstruction work.

Distinguishing Characteristics:

This class is distinguished from Bridge Maintenance Technician 2 by responsibility for leading, instructing, and participating in the projects of assigned crew; determines daily duty assignments for individuals, allocates equipment and tools, plans work schedules, and inspects completed tasks to ensure satisfactory work.

Typical Work:

Performs preventive maintenance inspection on assigned bridges, determining the need for routine maintenance work; schedules personnel and equipment accordingly;

In conjunction with supervisor and selected crew members, makes emergency damage inspection of assigned bridges to determine the extent of damage to structures, mechanisms, electrical and mechanical systems; makes report containing recommendations for correction or repair;

On wood, steel, and concrete structures, takes the lead in the changing of caps and stringers; driving steel and wood piling; repairing bulkheads, bridge decks, fenders, piers, catwalks, bridge rails and sidewalk decks; construction of staging, and concrete forms; replacement of wheel rails; concrete mixing, pouring, and finishing; straightening damaged portals, braces, rails and other damaged steel by assisting in re-heat treating;

On new reconstruction, takes the lead in erecting new bridges and approaches; builds tide gates and construction sheer booms; excavates for footings; drives piling and builds timber false bents;

On floating bridges, takes the lead and supervises skilled technicians in electrical maintenance involving checking, servicing, and testing bridge electrical equipment and services; installing new conduit and wiring where required; and trouble shooting of equipment and its installation and repair;

Leads and supervises the inspection of all machinery, hydraulic pumps, end locks, barriers and draw reducers, trunions, cable way and cable jacks;

Leads and supervises the splicing of steel or manila lines; the installation of scaffolds or staging for high work; ensures the proper use of rigging and lifting equipment;

Leads crew in construction or repair of buildings or other structures;

Performs welding and burning;

Prepares and submits time, equipment, gasoline, and oil reports; trains subordinate personnel in safety, bridge maintenance, and public relations;

Performs other related work as required.

Legal Requirement(s):

There may be instances where individual positions must have additional licenses or certification. It is the employer's responsibility to ensure the appropriate licenses/certifications are obtained for each position.

Desirable Qualifications:

Two years of experience as a Maintenance Technician 2, Bridge, Maintenance Technician 3, or three years of experience as a Maintenance Technician 2.

A Commercial Driver's License (CDL) Class A with endorsement N and without air brakes restriction is required. Some positions may require the H endorsement which must be attained within 60 days.

Note: Must be capable of working at heights exceeding 100 feet and inside a confined space environment.

Class Specification History:

New Class, Highway Maintenance Class Study: 7-1-75

Revised definition, distinguishing characteristics and minimum qualifications: 11-10-78

Title change (formerly Bridge Maintenance Lead Technician): 12-9-83

Revised minimum qualifications: 4-10-92



Revised definition and minimum qualifications: 9-10-93

Revise minimum qualifications: 2-14-97

Revised class code: (formerly 71380) effective July 1, 2007