

8745
RAILROAD TECHNICIAN 4

Nature of Work

Under limited supervision, performs at an expert level to plan, coordinate and schedule the repair and maintenance of locomotives and freight/passenger trains, hi-rail and highway equipment, vehicles and maintenance-of-way equipment or the operation of locomotives and freight/passenger trains or the repair and maintenance of railroad beds, bridges and tracks of the state-owned and operated railroads. These positions require work during inclement weather and under hazardous conditions in response to derailments and other emergency situations. These positions may supervise. These positions may require the handling of hazardous chemicals. Performs related work as required.

Distinguishing Characteristics

The Railroad Technician 4 is distinguished from the Railroad Technician 3 by the expert level of work being performed and/or the responsibility of planning, coordinating and scheduling work for a unit.

Examples of Work

Assigns daily and weekly work assignments to employees to ensure efficiency of operations.
Oversees and evaluates the work of other railroad technicians.
Prepares Federal Railroad Administration (FRA) accident and incident reports.
Plans the repair and maintenance of locomotives, freight/passenger trains, vehicles and equipment.
Plans the repair and maintenance of railroad beds, bridges and tracks.
Coordinates track repair operations with other divisions.
Oversees and may operate a diesel-powered locomotive to transport freight or passenger cars by manipulating controls such as direction lever, throttle, locomotive and train car air brakes.
Completes all Department of Transportation forms and reports and maintains proper inventory reports.
Composes operational reports and keeps material and inspection reports.
Inspects tracks, railroad beds and bridges to discover defects, deterioration and misalignment and add or remove slow orders as required by the inspections.
Schedules the use of rail-mounted heavy equipment.
Reviews repair projects in progress and upon completion for conformance to established standards.
Performs various welding, cutting and fabricating activities.
Inspects and replaces/repairs electrical components on locomotives.
Inspects and/or repairs highway rail grade crossing signal systems.
May supervise the work activity of shop crews, train crews or maintenance-of-way crews.

Knowledge, Skills and Abilities

Knowledge of the state and FRA rules and regulations.
Ability to plan repair and maintenance operations.
Ability to supervise the work of subordinate railroad technicians.
Ability to coordinate track repair operations with other divisions.
Ability to read and interpret locomotive electrical maintenance manual for various types of locomotives.
Ability to compose operational reports and keep material and inspection reports.
Ability to discover defects, deterioration and misalignments in tracks, railroad beds and bridges and add or remove slow orders.
Ability to schedule the use of rail-mounted heavy equipment.
Ability to diagnose defects and make repairs to all systems on locomotives, hi-rail and highway equipment, vehicles and maintenance-of-way-equipment.

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RAILROAD TECHNICIAN 4 (cont'd)

Knowledge, Skills and Abilities (cont'd)

Ability to learn the electrical components of a locomotive.
Ability to direct repair and maintenance operations.
Ability to communicate using proper radio protocol.
Ability to review repair projects for conformance to established standards.

Minimum Qualifications

Training: High school diploma or equivalent.

Experience: Seven (7) years of full-time or equivalent part-time paid experience in railroad service including track repair or train operation work or operation of heavy equipment such as diesel-powered locomotive, tamper, speed swing, crane, backhoe, bulldozer, end loader or hydraulic excavator (gradall).

Substitution: Successful completion of an approved vocational school program in heavy equipment operation and/or repair of at least 1080 clock hours may substitute for one (1) year of the required experience.

Special Requirement: Certification as a Locomotive Engineer, Railroad Conductor or Track Inspector may be required. Employee may also be required to obtain other certifications that are required for handling hazardous materials or performing other activities.

A valid driver's license or commercial driver's license may be required.

Established: 09/27/1984

Revised: 05/17/1988; 01/23/1993; 09/16/1993; 01/22/2002; 07/21/2017; 08/25/2017;
11/10/2018

Effective: 11/10/2018