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RAILROAD TECHNICIAN 3

Nature of Work

Under limited supervision, performs at the advanced level in the operation and/or repair and maintenance of locomotives and freight/passenger trains of a state-owned and operated railroad. Repairs and maintains equipment, railroad beds, bridges and tracks. These positions work during inclement weather and under hazardous conditions which involves responsibility for safe working procedures of the crew. These positions may require the handling of hazardous chemicals. Performs related work as required.

Distinguishing Characteristics

The Railroad Technician 3 is distinguished from the Railroad Technician 2 by achieving necessary licensure, certification or skills and functioning at an advanced level that requires little or no supervision. Employees at this level may also serve in a lead worker capacity as necessary.

Examples of Work

Inspects tracks, railroad beds and bridges to discover defects, deterioration and misalignment and add or remove slow orders as required by the inspections.

Serves as lead worker of a train crew or of a crew to inspect and repair locomotives, signals and track equipment.

Operates rail-mounted heavy equipment with attachments such as tamper, regulator, grapple truck, hydraulic excavator (gradall), tandem axle rotary dump truck and backhoe.

Uses rail-mounted heavy equipment to pick up tracks, change ties, lay rail, distribute ballast, tamp ballast beneath and between ties, ditch or remove debris beside railroad track and lay culverts.

Operates a bulldozer/end loader to move materials, debris and earth.

Uses power tools such as rail saw, rail drill and pneumatic wrenches, hammers and tampers in repairing roadbeds and tracks.

Repairs bridges, track structures, railway fences, crossing gates, cattle guards and sign posts.

Makes repairs to railroad beds and tracks by replacing rails and ties, gauging track, computing the proper tie spacing and checking degree of curvature and elevation of tracks.

Operates such equipment as may be necessary to maintain right-of-way by cutting, herbicide spraying or other means of brush and weed control.

Prepares track and yard inspection reports.

Interprets railroad rules and regulations, track warrants, work authorities and track bulletins.

Conducts locomotive and train air-brake tests.

Inspects and/or repairs highway rail grade crossing signal systems.

Works with dispatcher to coordinate daily work activities of the train crew.

Assists with inspections/repairs of electrical components on locomotives.

Performs hostler and servicing duties on locomotives.

May perform various welding, cutting and fabricating activities.

May prepare daily time reports for other railroad technicians.

May schedule repairs and coordinate with other workgroups to prioritize repairs.

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RAILROAD TECHNICIAN 3 (cont'd)

Knowledge, Skills and Abilities

Knowledge of the state and Federal Railroad Administration (FRA) rules and regulations.

Ability to interpret railroad rules and regulations, track warrants, work authorities and track bulletins.

Ability to lead and train other railroad technicians.

Ability to complete work activity, track and bridge inspections and accident reports.

Ability to inspect tracks, railroad beds and bridges for defects, deterioration, misalignment and add or remove slow orders.

Ability to operate rail-mounted heavy equipment with attachments.

Ability to operate a bulldozer, end loader or similar heavy equipment.

Ability to inspect, repair and maintain all systems on locomotives, hi-rail and highway equipment, vehicles and maintenance-of-way equipment.

Ability to use power tools such as rail saw, rail drill pneumatic wrenches, hammers and tampers.

Ability to replace rails, ties, piles, posts, and braces; gauge tracks; compute proper tie spacing; and check degree of curvature and elevation of tracks.

Ability to operate a diesel-powered locomotive.

Ability to communicate using proper radio protocol.

Ability to understand and follow instructions.

Minimum Qualifications

Training: High school diploma or equivalent.

Experience: Five (5) 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 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; 10/16/1993; 01/22/02; 07/21/2017; 08/25/2017; 11/10/2018

Effective: 11/10/2018