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RAILROAD TECHNICIAN 2

Nature of Work

Under general supervision, performs at the full-performance level in the operation and/or repair of locomotives and freight/passenger trains and/or operates/repairs a variety of diesel/gas-powered equipment. Repairs railroad beds, bridges and tracks of state-owned and operated railroads. Positions work during inclement weather and under hazardous conditions which requires attentiveness to the safety of surrounding workers. These positions may require the handling of hazardous chemicals. Performs related work as required.

Distinguishing Characteristics

The Railroad Technician 2 is distinguished from the Railroad Technician 1 by working at the full-performance level which is enhanced as the incumbent pursues certifications specific to track inspection, locomotive operation or locomotive repair depending on the area of assignment.

Examples of Work

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

Operates hi-rail heavy equipment with attachments such as tamper, regulator, grapple truck, hydraulic excavator (gradall), tandem axle rotary dump trucks 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 tracks and lay culverts.

Operates a bulldozer/end loader.

Uses power tools such as rail saw, rail drill and pneumatic wrenches, hammers and tampers in repairing railroad beds 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 curve 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.

Operates a locomotive to transport work crew, equipment and materials to work site and to transport freight or passenger cars in accordance with Federal Railroad Administration (FRA) certifications and regulations.

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

Conducts locomotive and train air-brake tests.

Performs safe and efficient movement of railroad cars to service customers of the railroad.

Performs hostler and servicing duties on locomotives.

Inspects, repairs and maintains all systems on locomotives, hi-rail and highway vehicles and maintenance-of-way equipment.

Assists in the inspection and/or repair of highway rail grade crossing signal systems.

May perform various welding, cutting and fabricating activities.

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RAILROAD TECHNICIAN 2 (cont'd)

Knowledge, Skills and Abilities

Knowledge of the state and FRA rules and regulations.

Skill in the operation of rail-mounted heavy equipment.

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

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

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

Ability to inspect track, railbed and bridge defects, deterioration and misalignment and add or remove slow orders.

Ability to replace rails and ties, gauge tracks, compute proper tie spacing and check degree of curvature and elevation of track.

Ability to safely operate a diesel-powered locomotive.

Ability to understand and follow instructions.

Ability to assist in re-railing train cars and locomotives.

Ability to communicate using proper radio protocol.

Minimum Qualifications

Training: High school diploma or equivalent.

Experience: Two (2) 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: Employee may be required to become certified in the operation of various railroad equipment as required by state and federal regulations.

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

Established: 09/27/1984

Revised: 03/10/1987; 05/17/1988; 01/23/1993; 10/16/1993; 10/24/1994; 03/16/1996,
01/22/2002; 07/21/2017; 08/25/2017; 11/10/2018

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