

## RELIEF TUNNEL EQUIPMENT MAINTAINER - 3121

### GENERAL DEFINITION AND CONDITIONS OF WORK:

Performs responsible, semi-skilled work and some technical work operating and controlling tunnel equipment; and/or related work of the Electrical/Mechanical Maintenance section as required. Work is performed under the regular supervision of the Electrical/Mechanical Superintendent.

This is medium work requiring the exertion of 50 pounds of force occasionally, up to 20 pounds of force frequently, and up to 10 pounds of force constantly to move objects, and some heavy work requiring the exertion of 100 pounds of force occasionally, to move objects; work requires climbing, balancing, stooping, kneeling, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, and feeling and repetitive motions; vocal communication is required for expressing or exchanging ideas by means of the spoken word; hearing is required to perceive information at normal spoken word levels and to make fine distinctions in sound; visual acuity is required for color perception, visual inspection involving small defects and/or small parts, use of measuring devices, assembly or fabrication of parts at or within arms length, determining the accuracy and thoroughness of work, and observing general surroundings and activities; the worker is subject to inside and outside environmental conditions, extreme cold, extreme heat, noise, vibration, hazards, atmospheric conditions, and oils.

### ESSENTIAL FUNCTIONS/TYPICAL TASKS:

**Operating, maintaining, inspecting, cleaning, painting and monitoring tunnel equipment operation; and control rooms; preparing and maintaining operation records. Assists Tunnel Electrician and Tunnel Mechanic in daily operations.**

Serves as backup for other Maintainers and Operators when required by leave of sickness or vacation and performs duties as such

Inspects, cleans, paints, and monitors the operation of ventilation fans, electric motors, pumps, air compressors, generators, transformers, battery chargers, boilers and other tunnel equipment;

Reports operation problems to Superintendent and/or makes repairs or adjustments as qualified and capable;

Checks water, wastewater and drainage systems for proper operation;

Assists in the repair of water lines;

Assists in repairs and replacement of lights in tunnels and on bridges;

Assists with cleaning switchgear and works cable faults or other emergencies;

Checks navigational aid lights and horns for proper operation;

Tests, cleans, and records specific gravity readings and electrolyte levels at battery stations;

Responds to emergency alarms; makes adjustments and repairs as necessary;

Maintains log and checks emergency generator operation during power outages;

Cleans, maintains and fuels automotive equipment;

Cleans workstations, control rooms, stairs, bathrooms and equipment areas;

Assists with the maintenance and repair of bridge, tunnel and island facilities;

Performs related tasks as required.

### KNOWLEDGE, SKILLS AND ABILITIES:

General knowledge of the operational characteristics of tunnel ventilation, drainage and related equipment; ability to detect and analyze improper operations or problems; ability to follow oral and written directions; ability to prepare and maintain simple records; ability to establish and maintain effective working relationships with associates.

### EDUCATION AND EXPERIENCE:

Any combination of education and experience equivalent to graduation from high school.