



SYSTEMS MAINTAINER, TRACK and CIVIL, eBART

JC: 000154
PG: 400
FLSA: Non-Exempt

BU: S01 (SEIU)
Created: November 2016

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

Under general supervision, provides safe, timely, inspection maintenance and repair of track and civil systems within the dedicated eBART railroad, stations and maintenance facility limits while complying with applicable rules and regulations.

CLASS CHARACTERISTICS

This journey level class operates during varying work hours within a 24/7 transportation environment maintaining alertness, situational awareness and vigilance. Functions independently and utilizes clear and effective oral and written communication skills in interaction with fellow eBART staff. Fully engaged in front line customer service in assisting and promoting eBART services.

REPORTS TO

This classification reports to Superintendent Systems – eBART and/or his/her designee.

EXAMPLES OF DUTIES – *Duties may include, but are not limited to, the following:*

1. Inspects, maintains, tests and repairs all components of all mechanical elements of all right of way facilities, including track (i.e., ties, fasteners, ballast, rail beds, etc.), switches, switch machines, buildings, stations, and grounds.
2. Maintains all fixed right of way appurtenances such as signage, milepost markers, fencing, railings, and physical barriers.
3. Responsible for maintenance and repairs of station and other facilities appurtenances.
4. Responds to service calls to diagnose and correct emergencies.
5. Cleans and clears debris, weeds, and other trash and obstructions from track and associated wayside facilities.
6. Responsible for functioning as an Employee-In-Charge (EIC) in providing protection for other eBART staff and/or contractors working on eBART property.
7. Responsible for the cleaning of stations and facilities; may also assist facilities staff with troubleshooting and repair of stations facilities.

Systems Maintainer, Track and Civil, eBART

Page 2

8. Completes various paperwork including incident reports, maintenance and inspection records, and daily logs.
9. Operates High-Rail Vehicle, power tools and equipment on the railroad right-of-way, following Roadway Worker Protection rules (CPUC-GO175).
10. Assists maintenance staff with inspection, testing, troubleshooting or repair of electrical signaling and communications electrical systems, stations and facilities assigned.
11. May perform training or function as shift leader oversee in contracted work as assigned.
12. Must develop and maintain positive working relationships with co-workers, supervisors, contractors and customers, and effectively handle conflict situations.
13. Performs other duties as assigned.

This classification will be engaged in other duties as assigned without regard to limitations of job descriptions in order to maximize the efficient delivery of eBART services.

QUALIFICATIONS

Knowledge of:

Knowledge of electrical systems, principles of analog and digital electronics, electronic control circuit and associated mechanical, pneumatic, hydraulic system testing and inspection.

Knowledge of troubleshooting, power distribution systems, facilities power distribution systems, equipment, electronics and relay control logic.

Knowledge of railroad track construction, maintenance, testing, and inspection techniques. Knowledge of American Railway Engineering and Maintenance-of-Way Association (AREMA) 17, railroad track standards.

Occupational hazards and standard safety practice.

Federal, State and local laws, codes and regulations.

Skill in:

Reading and interpreting diagrams, engineering drawings, manuals, schematics and work orders for signal, communications, train control and electrical and electronic control.

Demonstrating the ability to assess situations and exhibit sound judgment to make decisions within the proper authority.

Performing the duties of the job safely, efficiently and in compliance with all applicable rules and regulations without direct supervision, including the ability to operate required vehicles or equipment.

Demonstrates the ability to maintain alertness, awareness and vigilance.

Demonstrates clear, effective oral, written and verbal communication skills in English. Communicating clearly and concisely, both orally and in writing.

Establishing and maintaining effective working relationships with those contacted in the course of work.

MINIMUM QUALIFICATIONS

Education:

Minimum of a high school diploma, GED or equivalent.

Experience:

Two (2) years of experience in railroad track and civil construction or maintenance, with some electrical/mechanical switches and signal systems knowledge preferred.

Other Requirements:

- Must retain a valid class "C" California Driver's License and satisfactory driving record.
- Must know and follow all general railway safety rules and procedures in the performance of duties, in, on and around an active railroad environment including stations, shops, layover tracks, bus bays and parking lots following Roadway Worker Protection Rules (CPUC-GO175, Title 49 CFR 213.7).
- Ability to obtain a class "A" California Commercial Driver's License for heavy construction vehicles as necessary.
- Must respond appropriately to co-workers, passengers, maintain accurate logs and records of work performed.
- Must meet vision and color recognition requirements for signal identification and repair.
- Must be willing to work off-hour shifts, holidays and weekends beyond your regular scheduled hours.
- Able to lift or position a 50-pound object.

PREFERRED QUALIFICATIONS

- Additional advanced level mechanical, civil or electrical engineering education or training preferred.
- Previous experience repairing and troubleshooting ATP and wayside signal systems, electric lock mechanisms, ATS inductors, coded track circuits, event recorders, testing relays, interlocking plants, ABS and CTC signal systems preferred.
- Three (3) years railroad signal and communications crew experience preferred.

WORKING CONDITIONS

Environmental Conditions:

- Railroad, stations, maintenance facility environments.
- Computers, office machines, shops and shop machinery.
- Exposure to physical, electrical, chemical hazards, inclement weather conditions.

Physical Conditions:

- Able to work in cramped overhead, confined, enclosed or awkward spaces including maintenance pits, equipment rooms and roof hatches.
- Able to stoop, bend, crouch, crawl, balance and climb.
- Able to walk long distances over uneven terrain.

BART EEO-1 Job Group: 5000 – Skilled Workers

Safety Sensitive: Yes