



STRUCTURES EQUIPMENT OPERATOR

JC: MA615
PG: MWIII
FLSA: Non-exempt

PC: 301
BU: 01 (SEIU)

*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, operates high rail and varied heavy construction road vehicles in support of structures maintenance and repair work; performs related work as assigned.

CLASS CHARACTERISTICS

Incumbents in this class are skilled in the use of materials, in the operation of high-rail vehicles and in the operation of a variety of heavy and light construction tools and equipment in the performance of various structures repair, replacement and maintenance tasks. When not operating equipment, incumbents also perform physical labor in the maintenance, repair and modification of a variety of structures. This class is distinguished from Structures Maintenance Worker in that the Structures Equipment Operator operates high-rail vehicles and on-road vehicles that require a class A driver's license to operate.

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

1. Operates various high-rail vehicles used to transport equipment, supplies and employees to various work sites.
2. Operates heavy and light construction equipment including, but not limited to, trucks, cranes, bulldozers, excavators, and forklifts.
3. Excavates trenches, installs shoring, makes slope cuts, and otherwise moves and grades earth.
4. Operates cranes and rig loads in a safe manner.
5. Cleans and clears debris including dead animals and other trash and obstructions from tunnels, aerials and at grade right-of-ways; cleans and rods drains; drains standing water or water seepage using hand or power pumps.
6. Caulks or grouts cracks in walls, floors or other surfaces; repairs, removes, or replaces existing concrete, asphalt or other materials using hand or power equipment, including cutting of reinforcing steel by any means.
7. Reads diagrams and specifications to determine appropriate measurements.
8. Erects wooden forms and falsework or concrete work; cuts, bends, and installs reinforcing steel

and miscellaneous inserts for concrete work; pours and finishes concrete for retaining walls, walkways, etc.; applies and finishes asphalt surfaces as required.

9. Fabricates, repairs and maintains wood structures inside the right-of-way and shop yards; cleans up work site after completion of assigned work; maintains tools, vehicles and equipment in a clean and orderly condition; reports the need for additional maintenance or repair to the foreworker.

QUALIFICATIONS

Knowledge of:

- Operation characteristics and minor maintenance requirements of various heavy and light construction tools and equipment
- Structures maintenance procedures, methods, supplies, tools and equipment
- Proper use and care of hand and power tools and equipment
- Excavation and shoring practices and techniques
- Common construction details for falsework and formwork for supporting concrete
- Layout procedures for establishing horizontal and vertical control for construction work using reference points established by others
- Safe working practices and techniques, particularly on aerial structures or while underground or in confined spaces

Skill/ Ability in:

- Operating specialized high-rail equipment skillfully and safely
- Operating and transporting heavy construction equipment skillfully and safely
- Using hand tools and power equipment to perform unskilled and skilled concrete, asphalt, wood and related structures maintenance work
- Following oral and written directions
- Working independently without immediate supervision
- Working cooperatively with others in a crew
- Reading and working from blueprints, drawings and schematics

MINIMUM QUALIFICATIONS

Education:

Possession of a high school diploma, GED or recognized equivalent.

Experience:

The equivalent of four (4) years of full-time verifiable experience operating a variety of heavy construction equipment in a heavy construction or similar related setting.

Other Requirements:

Must possess and maintain a valid California Class A driver's license with a tank vehicle endorsement and have a satisfactory driving record.

Must obtain and maintain District certification to operate heavy equipment.

Must have physical capability to walk, climb, stoop, bend, crawl, twist, work in confined spaces, work underground and to heights of 60 feet, and walk on uneven surfaces; to climb and work from a ladder; perform strenuous physical labor including sufficient strength to lift various shaped material and sacks

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of cement weighing up to 100 pounds and must work both indoors and outdoors in all types of weather; wear a respirator and work in a dusty work environment subject to various fumes and noise levels in the proximity of live voltage; and climb into vehicles with steps up to 25 inches from the ground in close clearances.

Must be willing to work on-call, weekends and off-hours shifts.

BART EEO-1 Job Group: 5000 – Skilled Workers
Census Code: 6740 – RailTrack Laying & Maintenance
Safety Sensitive: Y

CLASSIFICATION HISTORY

Created : November 2000

Revised:

Updated : October 2021