

## EQUIPMENT OPERATOR

*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.*

### **SUMMARY DESCRIPTION**

Under general supervision, operates and maintains a variety of complex motorized light and heavy construction equipment used in the construction and maintenance of street, water distribution, wastewater collection, and other related structures and systems; performs excavating, grading, trenching, loading, and related operations according to required standards; performs a wide variety of skilled and semi-skilled manual work; trains others in the use of equipment; ensures adherence to safe work procedures and practices; and may serve as a crew leader.

### **REPRESENTATIVE DUTIES**

*The following duties are typical for this classification. Incumbents may not perform all of the listed duties and/or may be required to perform additional or different duties from those set forth below to address business needs and changing business practices.*

1. Operate light and heavy construction equipment such as backhoes, front-end loaders, spreaders, graders, motor rollers, dump trucks, and equipment involved in the maintenance, repair, and inspection of street, water distribution, wastewater collection, and other related structures and systems; secures equipment upon completion of work.
2. Operate earth moving equipment to move dirt, rocks, sand, concrete, asphalt, or other materials; operate a backhoe to excavate trenches, place piping, and backfill; dump materials into truck.
3. Excavate around buried utilities including water, sewer and gas lines, high-pressure lines and fiber optics.
4. Pave City streets and roads using a paver; roll and compact asphalt.
5. Maintain the safe working condition of all equipment used; perform minor repairs on equipment and report the need for major repairs; perform pre-trip vehicle inspections; service and lubricate equipment as necessary.
6. Transport equipment and material to work sites; load and unload equipment and materials.
7. Check job sites for potential hazards; determine precautions for safe equipment operation.
8. Assemble and set up appropriate barricades and signs at work sites; perform traffic control and install shoring equipment as needed.
9. Perform the full range of duties involved in the maintenance, repair, and construction of various structures and systems including in the areas of street, water distribution, wastewater collection and/or related structures and systems when not assigned to equipment operations.
10. Operate a variety of hand and power tools in assigned construction and maintenance area.

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11. Train new employees on operation of construction equipment; provide instruction on the techniques of equipment operation.
12. Ensure adherence to safe work practices and procedures.
13. Read and interpret a variety of drawings, sketches, and blueprints for assigned project areas.
14. Prepare and maintain a variety of basic records and reports.
15. May act as crew leader as assigned.
16. Respond to emergency situations in off-hours as necessary.
17. Perform related duties as required.

**QUALIFICATIONS**

*The following generally describes the knowledge and ability required to enter the job and/or be learned within a short period of time in order to successfully perform the assigned duties.*

**Knowledge of:**

- Operation and maintenance requirements of a variety of light and heavy power driven equipment. used in street, water distribution, and wastewater collection systems maintenance and construction.
- Principles and practices of "Underground Service Alert" (one call system).
- Safe work practices and safety regulations pertaining to the operation and transportation of the equipment and to the work performed.
- Pertinent federal, state, and local codes, laws, and regulations including traffic laws, ordinances, and rules involved in truck and heavy equipment operations.
- Practices and procedures of traffic control.
- Principles and practices of routine and preventive maintenance of light and heavy equipment.
- Proper procedures used in the maintenance and repair of hand and power tools.
- Materials, methods, terminology, and tools used in the maintenance and repair of streets, water distribution, wastewater collection, and related systems.
- Elevations and grades.
- Earth-compacting techniques.
- Principles and practices of record keeping.
- Occupational hazards and standard safety practices.
- Laws and procedures for safely working in a trench or excavation, including safe and proper use of shoring.

**Ability to:**

- Safely and skillfully operate heavy and light power driven equipment, both gas and diesel, involved in street, water distribution, and wastewater collection systems maintenance and construction, including safely digging around buried utilities.
- Perform servicing and minor repairs on equipment.
- Make minor field adjustments to assigned equipment.
- Attach auxiliary pieces of equipment to power driven equipment.
- Assess material and equipment needed for assigned jobs.

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- Perform a variety of semi-skilled and skilled maintenance, repair, and construction tasks.
- Safely and skillfully operate hand and power tools involved in maintenance, repair, and construction.
- Load and haul debris.
- Recognize potentially hazardous conditions on the job site or with the equipment.
- Exercise sound independent judgment within established guidelines.
- Read blueprints, sketches, and construction drawings; read grade stakes.
- Work independently or in a crew situation, as assigned.
- Take coaching, instruction, and feedback with a cooperative and positive attitude.
- Train others in the safe and efficient operation of equipment.
- Ensure adherence to safe work practices and procedures.
- Minimize public and employee safety hazards by conforming to required codes.
- Perform a variety of tasks and heavy manual labor for extended periods of time and in unfavorable weather conditions.
- Maintain records including time, material, and equipment use records.
- Understand and carry out oral and written instructions.
- Communicate clearly and concisely, both orally and in writing.
- Establish and maintain cooperative working relationships with those contacted in the course of work, including the ability to interact effectively and courteously with the public, coworkers, and vendors.

**Education and Experience Guidelines**

**Education/Training:**

Equivalent to completion of the twelfth grade.

**Experience:**

One year of experience operating and maintaining a variety of complex motorized light and heavy construction equipment used in the construction and maintenance of street, water distribution, wastewater collection, and other related structures and systems. Types of equipment includes but is not limited to backhoes, front end loaders, rollers and paving machines.

**License or Certificate:**

Possession of a valid California driver's license.

Possession of a California Commercial Class A driver's license with Tanker and Air Brake endorsements within twelve months of appointment.

Possession of a Traffic Control Certificate within 6 months of appointment.

**PHYSICAL DEMANDS AND WORKING ENVIRONMENT**

*The conditions herein are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.*

**Environment:** Work is performed primarily in an outdoor field environment; travel from site to site; exposure to noise, dust, grease, smoke, fumes, noxious odors, gases, and all types of weather and temperature conditions; exposure to hazardous traffic conditions; work and/or walk on various types of surfaces including slippery or uneven surfaces and rough terrain; work at heights; incumbents may be required to work extended hours including evenings and weekends.

**Physical:** Primary functions require sufficient physical ability and mobility to work in a field environment; to walk, stand, and sit for prolonged periods of time; to frequently stoop, bend, kneel, crouch, crawl, climb, reach, twist, grasp, and make repetitive hand movement in the performance of daily duties; to lift, carry, push, and/or pull moderate to heavy amounts of weight; to operate assigned equipment and vehicles; and to verbally communicate to exchange information.

FLSA: Non-Exempt

August 1988

Revised: February 2014; May 2015, June 2018

This class specification identifies the essential functions typically assigned to positions in this class. Other duties not described may be assigned to employees in order to meet changing business needs or staffing levels but will be reasonably related to an employee's position and qualifications. Other duties outside of an individual's skill level may also be assigned on a short term basis in order to provide job enrichment opportunities or to address emergency situations.