

CLASSIFICATION TITLE CT Equipment Operator II	OFFICE/BRANCH/SECTION DISTRICT 01/MAINTENANCE/S. Signs & Landscape	
WORKING TITLE CT Equipment Operator II	POSITION NUMBER 901-658-6286-918	REVISION DATE 12/31/2024

As a valued member of the Caltrans team, you make it possible to improve lives and communities through transportation.

GENERAL STATEMENT:

Working under the supervision of a Caltrans Maintenance Supervisor and lead guidance from a Caltrans Highway Maintenance Leadworker, incumbent assists with various striping, pavement markings, sweeping, sign installation, and chemical roadside vegetation control; works individually or with a crew performing tasks related to highway maintenance work. Must have knowledge of basic safe work practices and the provisions of the California Vehicle Code applying to the operation of vehicles, servicing, minor adjustments, and emergency repairs to equipment. Occasionally may be mandated to work out of town on 'per diem'. Incumbent will also be working with other crews, when needed. Required to possess a valid Class A driver's license with Tank endorsement; Hazardous Materials endorsement and Qualified Applicators Certification is desirable.

CORE COMPETENCIES:

As a CT Equipment Operator II, the incumbent is expected to become proficient in the following competencies as described below in order to successfully perform the essential functions of the job, while adhering to and promoting the Department's Mission, Vision, Values, Strategic Imperatives and Goals. Effective development of the identified Core Competencies fosters the advancement of the following Leadership Competencies: Change Commitment, Risk Appetite, Self-Development/Growth, Conflict Management, Relationship Building, Organizational Awareness, Communication, Strategic Perspective, and Results Driven.

- **Flexibility and Managing Uncertainty** : Adjusts thinking and behavior in order to adapt to changes in the job and work environment. (Safety First - Engagement)
- **Dealing with Ambiguity (Risk)**: Can comfortably handle risk and uncertainty, as well as make decisions to act without having the total picture. (Strengthen Stewardship and Drive Efficiency - Engagement)
- **Initiative**: Ability to identify what needs to be done and doing it before being asked or required by the situation. Seeks out others involved in a situation to learn their perspectives. (Safety First, Cultivate Excellence - Engagement, Innovation)
- **Conflict Management**: Recognizes differences in opinions and encourages open discussion. Uses appropriate interpersonal styles. Finds agreement on issues as appropriate. Deals effectively with others in conflict situation. (Safety First, Cultivate Excellence - Engagement, Innovation)
- **Teamwork/Partnership**: Develops, maintains, and strengthens partnerships with others inside or outside of the organization through effective communication and collaboration. (Cultivate Excellence, Advance Equity and Livability in all Communities - Engagement)
- **Organizational Awareness**: Contributes to the organization by understanding and aligning actions with the organization's strategic plan, including the mission, vision, goals, core functions, and values. (Cultivate Excellence, Strengthen Stewardship and Drive Efficiency - Engagement, Innovation, Integrity)
- **Interpersonal Effectiveness** : Effectively and appropriately interacts and communicates with others to build positive, constructive, professional relationships. Tailors communication style based on the audience. Provides and is receptive to feedback. (Safety First, Cultivate Excellence - Engagement, Integrity)
- **Forward Thinking**: Anticipates the implications and consequences of situations and takes appropriate actions to be prepared for possible contingencies. Anticipates and prepares for future developments. (Cultivate Excellence, Enhance and Connect the Multimodal Transportation Network - Engagement, Innovation)
- **Thoroughness**: Ensures that work and information is complete and accurate. Ensures that assignment goals, objectives, and completion dates are met. Documents and reports on work progress. (Cultivate Excellence, Strengthen Stewardship and Drive Efficiency - Engagement)

TYPICAL DUTIES:

Percentage Essential (E)/Marginal (M) ¹	Job Description
30% E	Work with crews involved in maintaining and installing pavement delineation on State Highways. This includes maintenance and installation of striping, pavement markings, and signs. Also covers marker or stripe grinding and sweeping operations. Operation of district paint and thermoplastic stripers, shadow vehicles, digger derrick, sweeper, forklifts, and CMS mounted pick-up trucks.

POSITION DUTY STATEMENT

DOT PM-0924 (REV 12/2024)

25%	E	Will perform and assist with operator level scheduled and preventative maintenance on equipment assigned to unit including stripers, sweepers, thermoplastic truck, chemical applicator vehicle, shadow vehicles, grinders, and pick-up trucks. Will perform pre and post operative equipment checks. Works with district sign, raised markers, pavement markings, camera, and culvert inspection crews
20%	E	Roadside Sign repair, cleaning, clearing, plumbing and installation of new signs directed by Traffic Safety Office. Additionally, provides traffic control support for district electrical and bridge crews. Works with district sign, raised markers, pavement markings, camera, and culvert inspection crews.
15%	E	Traffic paint and thermoplastic application; installing or refreshing highway in accordance with the California Manual on Uniform Traffic Control Devices.
5%	E	Equipment Care: Servicing, minor repairs, adjustments, emergency repairs, cleaning of equipment and keeping all pertinent records.
5%	M	Record Keeping and Reporting: Crew report forms, fuel purchases/usage, vehicle usage and material usage reports.

¹ESSENTIAL FUNCTIONS are the core duties of the position that cannot be reassigned.
MARGINAL FUNCTIONS are the minor tasks of the position that can be assigned to others.

SUPERVISION OR GUIDANCE EXERCISED OVER OTHERS

This position does not supervise, but may assist in training lesser experienced personnel or act as Leadworker to cover temporary absences.

KNOWLEDGE, ABILITIES, AND ANALYTICAL REQUIREMENTS

Materials, methods, and equipment used in bridge, sweeping and culvert cleaning. Perform heavy manual labor, follow oral and written directions. Works in close cooperation with crew members, other branches, maintenance crews, other state agencies, city and county agencies, and the general public.
Possession of a valid Class A California Commercial Driver License with a minimum of tank endorsement. Hazardous materials endorsement is desirable.
Ability to work safely around high-density traffic.
Ability to work effectively alone or with others.
Must be able to analyze various work situations accurately and make sound decisions
May work irregular shifts, nights, or weekends as required.

RESPONSIBILITY FOR DECISIONS AND CONSEQUENCES OF ERROR

Poor decisions could result in tort liability for the State and/or loss or damage to State property, could also place this individual, fellow employees and/or the public in an unsafe situation. Poor decisions could reduce efficiency or increase the cost of maintenance operations.

PUBLIC AND INTERNAL CONTACTS

Required to maintain good relations with members of the public and employees from the same and other Departments within Caltrans, as well as other agencies. May have contact with other public agencies and private individuals almost daily in the course of assignment. Contact may be with hostile public and employee is expected to maintain a favorable public image for the State.

PHYSICAL, MENTAL, AND EMOTIONAL REQUIREMENTS

Much of this position is labor intensive. Incumbent must have physical ability to react quickly to errant motorist and do strenuous hand and mechanical labor.
Note: For standing, walking and sitting, along with several other activities, typical duties are used as examples in various situations to give ranges for the activities. Generally, activities can be broken down into operating equipment and light vehicles 18% of the time on a year-around basis. The remainder of the activity is labor.
Standing, Sitting and Walking are described to equal 100% of the work time for a given period such as a work shift. The following are various situations and percentages given to illustrate typical ranges of time spent sitting, standing and walking:

- A. Rainy day where worker is digging out clogged ditches and drains: Standing and walking using hand tools 40% each: Sitting and driving 50%.
- B. Snowy day: Sitting and operating trucks (Class C), loaders, motor graders 70%; walking and standing, checking out equipment, 30%
- C. Crack sealing: Standing and walking 95% of the day
- D. Paving: Operating trucks, motor-graders, loaders, pavers, 45% of day. Standing and walking, raking and shoveling, 45% of day.
- E. Litter pickup/patrol: Lifting, walking and climbing in/out of vehicle 95% of day

POSITION DUTY STATEMENT

DOT PM-0924 (REV 12/2024)

F. Flagging/Pilot Car/Lane Closure Operations: Standing, twisting and turning, and sitting 95% of the day

LIFTING (Floor to bench to Floor) – Items listed may be any of the following but not limited to: tire chains for vehicles which may weigh as much as 75 lbs. per chain. In the winter months these could be handled on an every day basis; a post driver which weighs approximately 60 lbs.; assist with the loading and unloading of a tire in a rim which can weigh over 75 lbs. Another example of lifting is shoveling asphalt. Each shovel full lifted weighs approximately 15 lbs., and 1,000 to 1,500 lbs. of sand or asphalt per day, would normally be lifted. 80% of this lifting would be floor to waist and 20% lifted above the waist. Installing marker post, at least two feet into the ground, requires lifting up and pulling down the 60 lb. driver 10 to 30 strokes per post, worker could install up to 40 markers per day.

Another type of lifting is light pickup – loading garbage bags with litter, which requires continuous bending and lifting.

CARRYING – Bagged/boxed material, which may weigh 50 to 95 lbs., must be carried from storage areas to vehicles and from vehicles to job sites, which may be on uneven terrain. Tools are carried a few feet to 100 yards and weigh a few pounds to 50 lbs. each. Tools carried include picks, hoes, rakes, hoses, signs, standards, flags, cones, guide posts, etc. and may be carried on uneven terrain.

OVERHEAD REACHING – Overhead work includes pulling yourself up into many types of equipment from 0 to 30 times per day, pruning, holding up signs off a ladder, servicing equipment on the lube hoist, signaling other workers, and throwing/loading material in equipment.

OTHER REACHING – Setting cones, lubing and checking equipment, raking, shoveling, driving, using digging bar, shifting, holding signs picking up cones; often done on a continuous basis, over 60% of the work shift.

PUSHING/PULLING – Shoveling, opening garage doors, hooking up trailers; installing plows, sanders, kettles, pulling on hoses, working cranks on equipment stands; tightening and loosening nuts on bolts. Installing and removing tires and chains; pulling down on post drivers. Pulling brush and limbs, animal carcasses, and pulling chains. Using a pole saw.

TWISTING - The Operator twist while driving equipment and does so on a continuous basis, especially while backing up or turning around while operating a pilot car. Other twisting is done while dragging brush, shoveling, raking and setting down and picking up traffic cones which weigh 10 pounds each.

CLIMBING/BALANCING – Climbing is done in and out of equipment, up and down banks and used in fine manipulation of a chain slopes, ladders, stairways, (often carrying a load of material or supplies); onto steps and walkways to do engine checks on equipment. One example would be to climb on a heavy equipment trailer to secure the load with chain binders.

BENDING/CROUCHING/SQUATTING/CRAWLING – The Operator often bends continuously throughout the day while operating equipment and performing physical labor. All of these activities are necessary when picking up and laying down tools and material. The Operator also crawls around and underneath equipment while checking and servicing equipment, putting on or removing snow chains and tightening and/or assisting the replacement of various types of vehicles cutting blades.

SIMPLE GRASPING – This activity is necessary about 95% of the shift; climbing in/out and around equipment, operating equipment, using hand tools and handling materials.

FINE MANIPULATION– This occurs less than 2% of a day and usually while writing reports or manipulating the knobs and levers on the equipment. A higher percentage of the time would be operating a chain saw, weed eater or similar equipment.

Importance of hearing and sight – both are essential on the job because the operator must hear directions and equipment, and must see in order to perform his/her duty safely.

Hearing should be adequate to hear warning devices used for worker safety, i.e. look out alarm devices, including vehicle horns used to warn employees of eminent danger at the work site. Corrected hearing is acceptable.

Sight needs to be corrected to the State of California Department of Motor Vehicles standards for safe vehicle driving. Night vision must be good for safety when working after dark.

WORK ENVIRONMENT

Required to work in a wide range of sometimes extreme conditions, including heat up to 100 degrees, cold to 20 degrees. Incumbent can be exposed to strong winds, rain, sleet, and snow while performing your assignments.

Will be required to work overtime due to storms, emergencies, special work projects, or when the Supervisor deems that it is in the best interest of the State to work overtime.

Personal safety requirements include:

A. Work boots, in good and sturdy condition, must be worn to provide foot and ankle support protection.

B. Either long or short sleeved shirts provided by Caltrans, or a safety vest is to be worn over non-safety shirts or coats.

C. Long pants. No shorts or cutoffs.

D. Provided safety gear; hard hat, safety glasses, hearing protection devices, face shields, gloves, respirator, chaps, or other safety gear must be worn when required by the Department.

POSITION DUTY STATEMENT

DOT PM-0924 (REV 12/2024)

I have read, understand and can perform the duties listed above. (If you believe you may require reasonable accommodation, please discuss this with your hiring supervisor. If you are unsure whether you require reasonable accommodation, inform the hiring supervisor who will discuss your concerns with the Reasonable Accommodation Coordinator.)

I agree that by providing my electronic signature for this form, I agree to conduct business transactions by electronic means and that my electronic signature is the legal binding equivalent to my handwritten signature. I hereby agree that my electronic signature represents my execution or authentication of this form, and my intent to be bound by it.

EMPLOYEE (Print)

EMPLOYEE (Signature)	DATE
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I have discussed the duties with, and provided a copy of this duty statement to the employee named above.

SUPERVISOR (Print)

SUPERVISOR (Signature)	DATE
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