



## JOINT APPRENTICESHIP COMMITTEE FOR NORTHERN CALIFORNIA

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14738 Cantova Way - Sloughhouse, CA 95683 - (916) 354-2029 - FAX (916) 354-1126

Dear Applicant:

In response to your recent request, enclosed is an application for entry into the Operating Engineers Apprenticeship program.

1. When responding for an oral interview, you will be required to show proof that you possess a valid California Driver's License and to provide a current DMV print out. Failure to meet this requirement will disqualify you from entering the Apprenticeship Program.

Applicants who have selected the following branches of training must also show proof of a valid California Commercial Driver's Permit at the oral interview: Construction Equipment Mechanic, Horizontal Earth Boring Machine Operator, Lubrication Technician, or Crane Operator.

Applicants may apply for the waiting list, but are not eligible to enter the Apprenticeship Program prior their 18<sup>th</sup> birthday. Applicants must be residents of the 46 Northern Counties of California: this includes only counties from the Kern county line to the Oregon border.

Please keep in mind that NO APPLICATION WILL BE PROCESSED UNLESS IT IS FULLY COMPLETED AND ALL THE NECESSARY WRITTEN DOCUMENTATION IS RECEIVED WITH THE APPLICATION. AN APPLICATION RECEIVED WITHOUT PROPER DOCUMENTATION WILL NOT BE PROCESSED, AND WILL AUTOMATICALLY BE RETURNED TO THE SENDER.

**You must include a complete and original California Motor Vehicle Record printout from the California Department of Motor Vehicles.**

2. After your application has been received and processed, you will be notified by mail. You will not receive any further communication from this office until you are notified of the next step in the application process, which is the state approved assessment test.

### ***FAXED APPLICATIONS ARE NOT ACCEPTED***

3. You will be notified of the next available assessment date. There is one opportunity to reschedule. FAILURE TO APPEAR FOR THE ASSESSMENT TEST AT THE ASSIGNED DATE AND TIME WILL RESULT IN THE REMOVAL OF YOUR NAME FROM THE APPLICANT LIST.
4. Once you have completed and passed the test, your name will be placed on the Applicant List. You have a total of 3 "opportunities" to be selected for an oral interview and possible entry into the Apprenticeship Program. These "opportunities" will be exhausted through your inability to accept scheduled interview dates.

Example: You may refuse an oral interview 2 times and still remain on the list, but you must accept the third time or your name will be removed from the list.

5. Failure to appear for the scheduled oral interview will result in the removal of your name from the Applicant List.
6. All communication with this office in reference to your application must be in writing and must contain your name, social security number and mailing current address and phone number.
7. It is your responsibility to keep this office informed of any change of address and/or telephone number. FAILURE TO DO SO WILL RESULT IN THE REMOVAL OF YOUR NAME FROM THE APPLICANT LIST.
8. Return completed pages 4 through 6 along with your original DMV printout to Operating Engineers JAC, 14738 Cantova Way, Sloughouse, CA 95683.

**It is important to know that the list of applicants requesting entry into the Apprenticeship Program is very lengthy, and an applicant may have to wait anywhere from six months to three years before being considered for an oral interview. Achieving the minimum score on the assessment test does not guarantee your entry into the Apprenticeship Program.**

Sincerely,

Director

***FAXED APPLICATIONS ARE NOT ACCEPTED***

## **OPERATING ENGINEERS APPRENTICESHIP APPLICATION**

Read all instructions first!

Make sure you read the descriptions for each Branch of Training on the following pages.

Fill out all of this information form. Keep in mind the Branch description as you complete the form. You need no experience to get into the program.

Print clearly and use ink. Write plainly so that we can read it well enough to evaluate your background.

The nature of the construction industry is such that there are a variety of working conditions. The work is relatively hazardous and may sometimes require living away from home, travel, or irregular hours.

The work of an Operating Engineer Apprentice requires reaching, walking, climbing, standing on hard surfaces or uneven material, stooping and the ability to be in a sitting position for long periods of time, crawling under or climbing onto the equipment. An Operating Engineer Apprentice should also have good depth perception and hand-to-eye coordination.

The machinery is very often noisy. The operator must be able to operate the equipment at productive speeds.

When a job or project is going strong, working six-day weeks, ten hours a day is not uncommon. Working conditions are often rough and rushed. Lunch break is one half hour.

The work is out of doors and an individual must be able to withstand and adjust to adverse weather conditions such as heat (100 degrees outside means even hotter temperatures in the cab of the equipment), cold and wind.

## **Branch of Training Description: Construction Equipment Operator**

The equipment operator may operate a variety of power construction equipment, such as shovels, tractors, scrapers, or motor graders, to excavate, move, and grade earth, erect structural and reinforcing steel, and pour concrete or other hard surface paving materials: Adjusts levers and depresses pedals to operate machines and control attachments, such as blades, buckets, scrapers, and swing booms. In addition to operating machines, an equipment operator may be required to perform the work tasks of Lubrication Technician and/or Grade Checker.

National Academy of Sciences, Committee on Occupational Classification and Analysis. DICTIONARY OF OCCUPATIONAL TITLES (DOT): PART I - CURRENT POPULATION SURVEY, APRIL 1971, AUGMENTED WITH DOT CHARACTERISTICS, AND PART II - FOURTH EDITION DICTIONARY OF DOT SCORES FOR 1970 CENSUS CATEGORIES [Computer file]. Washington, DC: U.S. Dept. of Commerce, Bureau of the Census [producer], 197?. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 1981.

## **Branch of Training Description: Construction Equipment Mechanic**

A Construction Equipment Mechanic analyzes malfunctions and repairs, rebuilds, and maintains construction equipment, such as cranes, power shovels, scrapers, paving machines, motor graders, trench-digging machines, conveyors, bulldozers, dredges, pumps, compressors and pneumatic tools: Operates and inspects machines or equipment to diagnose defects. Dismantles and reassembles equipment, using hoists and handtools. Examines parts for damage or excessive wear, using micrometers and gauges. Replaces defective engines and subassemblies, such as transmissions. Tests overhauled equipment to ensure operating efficiency. Welds broken parts and structural members. May direct workers engaged in cleaning parts and assisting with assembly and disassembly of equipment.

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## **Branch of Training Description: Grade Checker/Setter**

Sets grade stakes to guide earth moving equipment operators in sloping highways and fill embankments, using measuring instruments and handtools: Reads survey stakes along highway right-of-way to determine grade specification for embankment. Measures horizontally and vertically, in specified ratio, from survey stake to juncture of embankment and initial excavation, using survey rod and eye level. Sets grade stakes, using hatchet, and chalk-marks excavation reference points on stake. Repeats measuring and staking at specified intervals to form horizontal stakeline along embankment. Observes excavating activities to verify conformance to stake references and notifies equipment operators or supervisor of deviations.

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## **Branch of Training Description: Horizontal-Earth-Boring Machine Operator**

Operator sets up and operates boring machine to drill horizontal holes through earth banks for installation of pipelines under highways, railroads, canals, and other obstructions: Assembles and positions machine, augers, and casing pipes. Signals operator of crane to lower boring equipment into previously dug starter hole. Verifies depth and level of boring position, using surveyor's level and spirit level. Starts engine and moves levers to rotate and feed auger into earth, and simultaneously activates hydraulic ram that forces casing into hole. Retracts auger and forces earth cuttings back through casing to permit coupling additional sections of casing and auger. May operate machine which flushes and pumps earth cuttings from hole. May operate boring machine that drives pilot hole through earth bank and pulls auger bit back through bank to cut hole of required diameter.

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## **Branch of Training Description: Plant Operator**

Operates concrete, asphalt, or sand and gravel plant to batch, crush, or segregate materials used in construction: Moves controls on panelboard or control board to heat, dry, and mix ingredients, such as asphalt, sand, stone, and naphtha, to produce asphalt paving materials; to weigh and mix aggregate, cement, and water to produce concrete; or to control feeding, crushing, and sifting machinery in sand and gravel plant. Observes gauges, dials, and operation of machinery to ensure conformance to processing specifications. May repair machinery, using handtools, power tools, and welding equipment. May be designated according to type of plant operated as Asphalt-Plant Operator (construction); Concrete-Batch-Plant Operator (concrete prod.; construction); Sand-And-Gravel-Plant Operator (construction); or according to machine function as Crusher Operator (concrete prod.; construction). May be required to work on conveyor belts.

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## **Branch of Training Description: Concrete Pump Tender**

Tends one or more machines that pump concrete, grout, or dry mixtures of sand and cement through hoses to fill forms and crevices or to coat surfaces: Positions hose or temporary pipeline and snaps couplings together. Shovels materials into hopper, moves lever to discharge materials from skip into hopper, or signals Concrete-Mixing Truck Driver (construction) to fill hopper with concrete. Moves controls to start and operate mixer. Starts pump or compressor and turns valves to regulate air pressure and flow of materials through hose. May aim hose nozzle into space to be filled or at surface to be coated. May lubricate and repair machinery. Cleans machine after pours. May be designated according to type of machine tended as Cement-Gun Operator (concrete prod.; construction); Concrete-Gun Operator (construction); Concrete-Pump Operator (construction); Grout-Pump Operator (construction).

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## **Branch of Training Description: Crane Operator**

Operator, ground control; traveling-crane operator operates traveling or stationary overhead crane (cab- or ground controlled) to lift, move, and position loads, such as machinery, equipment, products, and solid or bulk materials, using hoisting attachments, such as hook, sling, electromagnet, or bucket: Observes load hookup and determines safety of load. Manipulates or depresses crane controls, such as pedals, levers, and buttons, to regulate speed and direction of crane and hoist movement according to written, verbal, or signal instructions. Cleans and maintains crane and hoisting mechanism. Inspects crane for defective parts and notifies supervisor of defects or malfunctions. May attach load to hook or other crane accessory prior to operating crane, and may be designated by type of crane operated: Mobile Crane Operator, Tower Crane Operator, Piledriver Operator, Clambucket Operator, Dragline Operator, Derrick Barge Operator.

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## **Branch of Training Description: Dredge Operator**

Operates power-driven dredge to excavate and maintain navigable channels in waterways and to mine sand and gravel at bottom of lakes, rivers, and streams: Directs workers engaged in placing shore anchors and cables, laying additional lengths of pipes from dredge to shore, and in pumping water from pontoons. Starts and stops engines to operate equipment. Moves levers to place dredge in position for excavation, engage hydraulic pump, raise and lower suction boom, and control rotation of cutterhead. Lowers anchor pole to verify depth of excavation, using winch, or scans depth gauge to determine depth of excavation. Starts power winch that draws in or lets out cable to change position of dredge, or pulls in and lets out cable manually.

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## **Branch of Training Description: Lubrication Technician**

Maintains construction equipment in accordance with the manufacturer's requirements and/or company policies for an active preventative maintenance program. Checks oil levels, fuels equipment and greases equipment as required. Changes oils and filters on an hourly or mileage bases. Operates equipment to facilitate maintenance needs. May schedule required services and order fuels, oils, filters and other supplies. Inspects equipment for defects that could lead to more severe failure and reports them to mechanics. Makes minor repairs and adjustments to equipment.