

Summary of Duties: Operates tractors, graders, rollers, scrapers, backhoes, track and wheel loaders, hydro and rigid boom cranes and other construction and maintenance equipment used in weed abatement programs and in the construction, maintenance, and repair of streets, roads, sewers, storm drains, canals, and power and water lines and structures; compacts soil and debris at refuse disposal sites; makes running repairs and adjustments to equipment; may lubricate equipment and assist crew members on job site; and performs related work.

Distinguishing Features: An Equipment Operator operates a wide variety of gasoline and diesel-powered heavy wheeled and track-laying construction and maintenance equipment, including bulldozers, motor graders, rollers, loaders of one-half cubic yard or larger capacity, pavement breakers, paving machines, tractor-mounted backhoes of less than one cubic yard capacity, and similar equipment. The work is hazardous, subject to considerable exposure to the elements, and may require 24-hour emergency availability. Incumbents may work under such adverse conditions as rough and hilly terrain or in heavy traffic. This work differs from that of a Light Equipment Operator in that it requires greater skill and accuracy in working to line and grade and use of larger equipment. A Light Equipment Operator primarily uses light wheeled tractors, and occasionally light track-laying tractors, with attached mowers, discs, light grader blades, and front-loaders of less than one-half cubic yard capacity in routine maintenance of parks, reservoirs, and other areas.

An Equipment Operator differs from a Power Shovel Operator in that the former is limited to operating guided or elevator hoists, yard-cranes and all-terrain cranes of 15 ton or less rated capacity, and straddle cranes up to 35 ton, and truck and tractor-mounted hydraulic boom hoists to lift and move heavy loads in construction work. A Power Shovel Operator operates gradalls, truck and track-mounted cranes and shovels rigged for clamshells, draglines, derricks, or equipped with dipper-stick booms, or rigged as a 350 degree revolving backhoe of one cubic yard or larger capacity, and other equipment requiring similar skills.

Examples of Duties: Operates a variety of diesel, gasoline, electric, hydraulic and pneumatic-powered equipment for a variety of earth moving and other construction and maintenance work; operates track and wheel loaders and excavators, self loading scrapers, pavement breakers, paving machines, graders, and steeland rubber tired rollers to break and remove pavement, brush, trees, limbs, rock, and fences, and excavate, extract, and break up large boulders; prepare subgrades; spread and compact soil, select base materials and bituminous paving materials in street repair and remodeling; operates ladder and wheel type trenchers, backhoes, and stompers to break pavement and to excavate, backfill, and compact utility trenches, sewer laterals, and foundation footings; operates truck or tractor-mounted hydraulic hoists to lift and lower concrete forms, pipe and conduit, valves,

transformers, switches, traffic signal devices, trees and limbs, auxiliary motors, and other heavy equipment and materials; operates tractor-drawn water tankers, and tractors equipped with bulldozer blades, ripper teeth, discs, plows, carryalls, scrapers, sand cleaners, winches, tampers and other accessories to build and maintain fire and bridle trails, grade roads and construction sites, scarify soil and rock, and move and compact rubbish and soil at construction and refuse disposal sites; anchor other equipment on steep slopes and disc weeds, and clean City property;

Operates self propelled bowl-type earth-scrappers to pick up, transport, and spread fill soil; operates straddle cranes up to 35 ton, and boom-type yard cranes of less than 15 ton rated capacity to move and store heavy cable reels, valves, and other heavy materials and supplies; operates motor graders to spread and level fill materials, repair streets, grade construction sites and roadways, and cut slopes; operates elevator-type or guided hoists controlling skips, cages, cars on rails, passenger cables, or other guides to move employees and equipment at construction sites; occasionally operates a small tractor under 10 horsepower on a construction project; may occasionally operate an electric winch to move small craft on marine ways;

Inspects equipment and notifies appropriate personnel of the need for minor repairs and/or adjustments; services, oils, fuels, and makes running repairs and adjustments to equipment; drives truck-trailer combinations to carry equipment between work sites; occasionally operates air compressors as an auxiliary assignment; may assist in setting temporary grade stakes;

Inspects work sites before starting a job to identify potential safety hazards and unforeseen work conditions; verbally relates information to appropriate personnel in order to report work progress, problems, and equipment status; may function as lead person, which may include directing and instructing crews on work assignments, procedures, and methods, and estimating, calculating and ordering required equipment and material; keeps records and makes routine reports; may do manual labor on occasions when not operating equipment; and may occasionally be assigned to other duties for training purposes or to meet technological changes or unexpected emergencies.

Qualifications: A good knowledge of the functions, capabilities, limitations, and operating requirements of a variety of heavy-wheeled and track-laying equipment such as tractors, bulldozers, graders, skip loaders, trenching machines, backhoes, rollers, elevator hoists, yard cranes, straddle cranes, bridge cranes, and tractor-drawn attachments such as blades, discs, tampers, carryalls, scrapers, loaders, plows, and scarifiers; a good knowledge of the operating characteristics and maintenance requirements of engines and other components of equipment; a good knowledge of occupational hazards and safety practices as required for proper and safe rigging and hoisting procedures on construction projects; a good knowledge of CAL OSHA rules and

regulations as they apply to construction and personnel in order to ensure the use of safe work practices; a good knowledge of regulations governing the operation of equipment and of truck-trailer combinations carrying heavy equipment on public streets; a general knowledge of the proper rolling procedures and temperatures of bituminous materials used in resurfacing streets; a general knowledge of preventive maintenance and adjustment requirements for heavy-wheeled and track-laying equipment and their attachments; a general knowledge of road construction and maintenance methods; a general knowledge of laws and regulations related to equal opportunity and affirmative action; a general knowledge of City Personnel rules, policies, and procedures; a general knowledge of applicable memoranda of understanding as they apply to subordinate personnel;

The ability to operate and maneuver equipment safely and efficiently in awkward areas of limited space and uneven terrain; the ability to make running repairs and adjustments, and to convert equipment attachments as required; the ability to rig heavy loads; the ability to cut, finish, line, and grade with heavy equipment; the ability to make auxiliary devices such as pipe chains and steel cable slings used to hoist heavy materials; the ability to detect unsafe cables, ropes, sheaves, hydraulic hoses, and other defects; the ability to deal tactfully and effectively with other employees; the ability to understand and follow written and oral instructions; the ability to recognize hand and audible operating signals; the ability to keep records and make reports on work; and the ability to analyze and plan work.

Two years of experience in operating construction or road maintenance equipment, including tractors or cranes, is required for Equipment Operator. A certificate of satisfactory completion of the Los Angeles Board of Education course, Heavy Equipment Operator, sponsored by the Personnel Department, or for the Equipment Operator Training course given by the City of Los Angeles Public Works Bureau of Street Maintenance, may be substituted for six months of experience.

License: A valid equipment operator's license issued by the Los Angeles City Department of Building and Safety for Operating Track-Type Tractors and any one of the following types of equipment: Backhoe, Rubber-Tired Tractor "B", Motor Grader, or Truck Crane "A", Hydrocrane, Excavator "B" or "C", or Road Roller is required prior to appointment. Additional equipment operator's licenses issued by the same Department may be required prior to appointment to positions involving the operation of other equipment. A valid California driver's license and a good driving record is required. a valid Class 1/A or 2/B California driver's license may be required for some positions. A valid Class 1/A or 2/B certificate issued by the Personnel Department, Medical Services Division is required for all Class 1/A or 2/B vehicle drivers and must be maintained throughout employment.

Physical Requirements: Strength to perform average lifting of up to

35 pounds and occasionally over 70 pounds; leg and foot coordination involved in operating foot pedals; arm, hand, and finger dexterity with both hands in activities such as operating levers and switches, reaching, handling, and feeling; good speaking and hearing ability; good eyesight; and stamina to operate in rough terrain.

Persons with medical limitations may, with reasonable accommodations, be capable of performing the duties of some of the positions in this class. Such determination must be made on an individual basis in light of the person's limitations, the requirements of the position, and the appointing authority's ability to effect reasonable accommodations to the person's limitations.

As provided in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what the duties and responsibilities of any position shall be.