

Summary of Duties: Operates cranes, shovels, Gradalls, and similar rotating, boom-type excavating and hoisting equipment in connection with varied construction and maintenance activities; makes running repairs and adjustments to such equipment; and does related work.

Distinguishing Features : A Power Shovel Operator operates a variety of heavy rotating boom-type equipment such as Gradalls, pile drivers, derrick barges, and truck and track-mounted cranes and shovels rigged for clamshells, drag lines, derricks, or lifting heavy materials, or equipped with dipper-stick booms, or used as a 360-degree revolving back hoe of one cubic yard or larger capacity which require similar skills in their operation and is required to convert equipment from one style of rig to another in the field to meet changing job demands. Excavating, hoisting, and pile driving require Power Shovel Operators to work accurately to line and grade and maneuver equipment in close quarters. The work is hazardous and subject to considerable exposure to the elements. It differs from that of an Equipment Operator in that the latter is limited to operating guided or elevated hoists, yard cranes of 10-ton or less rated capacity, bridge crane up to 300 tons, and truck and tractor-mounted hydraulic boom hoists to lift and move heavy loads in construction work. A Power Shovel Operator usually has one or two assigned helpers.

Examples of Duties: Operates diesel, gasoline, electric or boom-type hoisting and excavating equipment such as truck and track-mounted cranes and shovels rigged for clamshell, dragline, tower crane or dipper-stick work, or as a 360 degree revolving back hoe of one cubic yard or large capacity, Gradalls, pile drivers, and crane hoists; occasionally operates large tractors, loaders, concrete mixers, and similar construction and maintenance equipment as auxiliary assignments; loads debris on trucks at a refuge transfer site; drives a small vehicle such as a pick-up or van behind the crane driven by a Truck Crane Oiler.

Uses equipment in a wide variety of construction, remodeling, maintenance, and repair work to change street grades, widen, and reduce curves, cut back shoulders, lower gutter lines, remove paving subgrade materials, clean storm drains and channels, level park areas, dredge and reclaim land, construct wharves, drive pilings, demolish buildings, excavate and backfill foundations, basements, and trenches and do other such work, moves and sets valves, transformers, tanks, and other heavy materials in place; raises and positions structural materials and equipment in place for mounting on foundations and footings; lifts cubic-yard buckets to place concrete in forms that cannot be reached by transit mix trucks;

Maintains and repairs lifting units of equipment by replacing and adjusting cables, pulley, guides, sheaves, hooks, ropes, hoses, buckets, and bucket teeth and makes other running repairs and adjustments; converts equipment from one style of rig to another such

as making necessary changes to convert a crane to dragline work; instructs one and occasionally two helpers and directs their work on a variety of less difficult hoisting and excavating assignments; inspects and maintains equipment; keeps time records and reports operating difficulties and equipment trouble to the supervisor; and may occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

Qualifications: A good knowledge of the functions and operating requirements of a wide variety of heavy, rotating, boom-type cranes, shovels, Gradalls, and pile drivers used to excavate soil and rock, move and store equipment and supplies, and drive pilings; a good knowledge of the operating characteristics and routine of the maintenance requirements of engines, clutches, brakes, and other equipment components; a good knowledge of the strength and reeving requirements of various types and sizes of cables; a good knowledge of grading methods; a working knowledge of the regulations governing the operation of boom-type vehicles on streets and near electric equipment and conductors; the ability to make running repairs and adjustments, operate equipment safely and efficiently, and convert equipment from one style of rig to another; the ability to detect unsafe cables, sheaves, and other unsafe components; the ability to work accurately to line and grade; the ability to recognize unsafe conditions in work areas and to shore equipment to meet all operating and safety requirements; the ability to rig and direct the rigging of heavy loads and to make needed auxiliary devices such as pipe chains and steel cable slings; the ability to read and interpret street maps construction blueprints and property maps; the ability to read survey takes; the ability to follow written and verbal instructions and to recognize hand and audible operating signals; and the ability to analyze and plan work, keep routine records, and make routine work reports; the ability to drive a small vehicle such as pick-up truck or van on surface streets and freeways.

Three years of experience in operating rotating boom-type shovels, draglines, clamshells, pile drivers of heavy duty crane on large-scale construction operations, or four years of experience as a truck crane oiler or in a class which is at least at that level and which provides experience in assisting in the operation, maintenance, and minor repair of a heavy power crane, shovel, or Gradall; or any combination of the above experience totaling four years.

Licenses: A Hydraulic Crane and Bridge Crane license issued by the Los Angeles City Department of Building and Safety, is required prior to appointment. Such a license permits the operation of one or more of the following pieces of equipment: Crane "A" (endorsement for Excavator "A", clamshell and dragline), Gradall (endorsement for Excavator "B") and Hydraulic backhoe (endorsement for Excavator "C"). A valid class 1, 2, or 3 California driver's license and a good driving record may be required prior to appointment.

Occasional operation of large tractors, loaders, and similar construction and maintenance equipment as auxiliary assignments in

some Department may require additional licenses issued by the Los Angeles City Department of Building and Safety prior to appointment.

Physical Requirements: Strength to perform average lifting up to 35 pounds and occasionally over 70 pounds; good coordination of hands, arms, and feet to operate hand and foot pedals, levers, and switches; good eyesight with normal depth perception; and stamina to stand for long periods while operating equipment.

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.