



## **HEAVY EQUIPMENT MECHANIC/EQUIPMENT OPERATOR II**

### **Department – Road**

**ESSENTIAL JOB DUTIES:** Maintains, repairs, and overhauls gasoline and diesel-powered construction, maintenance, and automotive equipment; examines and locates mechanical defects in a wide variety of automotive, road construction, and maintenance equipment, including diesel and gasoline-powered trucks and tractors; makes a variety of mechanical repairs including engine tune-ups, brake relining, electrical and hydraulic system repair; maintains records of time and materials used on each job; file repair records with fiscal staff; uses welding equipment to fabricate, rebuild, and strengthen various equipment parts; operates a variety of vehicles and equipment; operates trucks, light and heavy-duty equipment used in the construction and maintenance of roads and drainage systems; performs skilled and semi-skilled work in the maintenance, repair, and construction of County roads, bridges, levees, culverts, traffic signage, and related structures; performs other duties as assigned.

**OTHER EXAMPLES OF DUTIES:** Disassembles, repairs, grinds, or replaces worn parts; fits new parts and adjusts engines, oil, water, fuel pumps, carburetors, fuel injectors, governors, starting motors, brakes, and steering gear; times and adjusts motors; replaces electrical wiring; overhauls hydraulic lifts and steering assemblies on tractors and trucks; performs work in the field; operates equipment for construction and maintenance of roads, signs, culverts, and striping; may be required to transport throughout the County; may train other workers or works as lead worker as required; performs related duties as assigned.

### **EMPLOYMENT STANDARDS**

**Education/Experience:** High School graduate or equivalent with two years of experience as a Heavy Equipment Mechanic (with prerequisite experience) AND Heavy Equipment Operator; **OR** five years of documented skilled experience in the repair and overhaul of diesel and gasoline-powered automotive, construction, and maintenance equipment; AND three years of documented experience in road construction and maintenance work including at least two years operating heavy power-driven road construction equipment such as motor graders, dozers, or large earthmoving equipment.

**Knowledge of:** Principles, methods, and practices pertaining to the repair of a heavy construction and maintenance equipment repair and maintenance; tools, materials, and

equipment used in the maintenance, adjustment, and repair of heavy construction and automotive equipment; in the construction and maintenance of roads, signs, striping and drainage systems; principles and methods of preventive maintenance of gasoline and diesel-powered equipment; provision of the California Vehicle Code and safe driving practices pertaining to the operation of light and moderately heavy vehicles and equipment; safe work practices; the operation and routine maintenance of equipment including backhoes, sprayers, loaders, trucks, rollers, compressors, and related equipment; handling hazardous materials.

**Ability to:** Inspect and approve heavy construction and maintenance equipment repair work; locate mechanical defects and estimate the type and feasibility of repairs; operate machines and tools used in automotive and heavy-duty road equipment repair and welding work; maintain accurate records and prepare reports; skillfully and safely operate various types of heavy and light construction equipment, tree maintenance and removal, and hand and power tools; read and interpret blueprints and drawings; perform skilled work in a variety of trades associated with road construction; perform heavy construction or maintenance work to within close tolerance; judge distances in ground levels and grade stakes; understand and carry out oral and written instructions; perform physical labor requiring manual dexterity and agility; meet and maintain standards of physical endurance and agility; work cooperatively with those contacted in the course of work.

**Special requirements:** Must possess a valid Class A operator's license issued by the State Department of Motor Vehicles; must provide own tools; must have ability to perform Biannual Inspection of Terminals (BIT); must have ability to stand, sit, bend, squat, climb, kneel, twist, and lift and carry up to 50 pounds in performance of duties. Position will include exposure to moving machinery which includes all trucks and equipment; to noises caused by heavy equipment and tools; dust, fumes, and other irritants; ambient weather conditions which include a high of 120 degrees and a low of – 10 degrees Fahrenheit. The successful candidate must successfully complete a pre-employment background investigation and physical examination, including drug screen. This position is subject to drug and alcohol testing required pursuant to Federal law.