

## **POSITION DESCRIPTION**

Title: Mechanic II

Department: Highway – (Traffic Operations and Parks Option)

Job Analysis: February 2019

Note: Statements included in this description are intended to reflect in general the duties and responsibilities of this classification and are not to be interpreted as being all inclusive. The employee may be assigned other duties that are not specifically included.

### **Relationships**

Reports To: Traffic Operations Manager, Horticulturist, County Engineer

Subordinate Staff: Shop help assigned by Supervisor

Other Internal Contacts: Operation Support Specialist II, Engineering, Equipment Manager, County Purchasing Officer

External Contacts: Equipment Suppliers, Parts Suppliers, General Public

Status: Classified/ Non-Exempt (I)

### **Job Summary**

Performs skilled tasks in mechanical repair and maintenance of gasoline and diesel powered automotive and heavy equipment using standard practices and equipment of the automotive trade. Operates some heavy equipment.

### **Job Domains**

#### **A. Automotive Repair and Maintenance**

1. Tunes engines including testing/cleaning/replacement of spark plugs, adjusting timing, valves, carburetor needle, and replacement of coil, condenser, and breaker points.
2. Removes and disassembles major units such as engine, transmission, differential; inspects parts for wear, and reassembles.
3. Repairs and replaces parts such as pistons, rods, gears, and bearings.
4. Overhauls and replaces carburetors, generators, radiators, alternators, starters, distributors and pumps.
5. Rewires ignition system, lights and instrument panel.
6. Realigns and adjusts brakes, repairs or replaces shock absorbers.

7. Replaces and adjusts headlights, and installs or repairs accessories such as radios, heaters, mirrors, and windshield wipers.
8. Performs additional repairs as needed.
9. Performs routine maintenance and repairs on bucket trucks as needed.

#### B. Heavy and Light Equipment Repair and Maintenance

1. Analyzes malfunctions, and repairs, rebuilds and maintains heavy/light construction equipment such as asphalt spreader, rollers, paint truck, tractors, bat wings, lawn mowers, weed eaters, pressure washers, small engines, etc.
2. Replaces defective engines and subassemblies.
3. Replaces or repairs major components, attachments or implements such as blades, tracks, compressors, etc.

#### C. Miscellaneous

1. Welds to repair broken or cracked frames, bars, plates, and other metal objects on machinery. Fills holes and builds up metal parts.
2. Replaces batteries, hydraulic fluid, oil, antifreeze/coolant, etc.
3. Repairs or replaces tires.
4. Performs related mechanic duties as required.
5. Performs various duties including operation of equipment and some manual labor as needed.
6. Tests repaired equipment to ensure operating efficiency.
7. Makes recommendations to supervisor concerning specification requirements for bidding and purchasing of new equipment.
8. Ensures Vehicle / Equipment fleet is kept in safe operational working order.
9. Ensures all Vehicles/Equipment in fleet receive routine maintenance on schedule.
10. Ensures accurate records are maintained for repairs/maintenance performed on all Vehicles/Equipment.

### **Knowledge, Skills, and Abilities**

1. Verbal skills to communicate information to supervisors, co-workers, and vendors.
2. Writing skills to clearly and neatly complete routine forms and order parts.
3. Reading skills to understand equipment and maintenance manuals, parts lists, instructions.
4. Math skills to understand precision gauges to measure and fit parts.
5. Listening skills to receive information about equipment problems.
6. Skills in the use of hand and machine tools and equipment used in automotive repair.
7. Skills in the use of major items of electronic and mechanical shop equipment and machinery.
8. Skills in operating various types of equipment.
9. Skills in analyzing and diagnosing problems in automotive and heavy/light construction equipment.
10. Knowledge of safety rules, including accident causes and prevention.
11. Knowledge of first aid procedures.

12. Ability to work independently without close supervision
13. Knowledge of county policies, procedures and rules.
14. Knowledge of/and has ability to work on Tier 4 engine component.
15. Required to wear uniforms as directed by County Engineer.

### **Physical Characteristics**

1. See well enough to read regular print and numbers without error or transposition and inspect small parts.
2. Hear well enough to talk on telephone, to determine mechanical problems.
3. Speak clearly enough to communicate information to helper.
4. Use of hands and fingers to write, to use tools.
5. Strength to lift 50 pounds.
6. Physical dexterity sufficient to operate levers, gears, etc.
7. Body movement to climb on top of or crawl under various types of equipment.

### **Minimum Qualifications**

1. Willing to work overtime and weekends in emergencies.
2. Have a valid commercial driver's license. (CDL – Class A).
3. Willing to travel to pick up parts, materials and gather quotes out of area.
4. Experience in automotive and heavy equipment repairs and maintenance.