

## DUTIES DESCRIPTION RECORD

|            |                            |             |                            |
|------------|----------------------------|-------------|----------------------------|
| DEPARTMENT |                            |             |                            |
| TITLE      | LINE MAINTENANCE ASSISTANT |             | DDR 82-38115               |
| CLASS CODE | 3882                       | CLASS TITLE | LINE MAINTENANCE ASSISTANT |

### SUMMARY DUTIES

Install, maintain, troubleshoot, and repair streetlights and Outdoor Area Lighting (OAL) Program fixtures. Install, replace, re-route, and re-attach single phase 120/240V overhead services for utilitarian and OAL lighting. Troubleshoot and repair 120/240V overhead secondaries and services for residential customers, utilitarian lighting and OAL lighting. Inspect, install, and remove wood and steel poles. Climb and perform work on wood poles and work out of aerial lift devices. Installs low voltage risers and related conductors. Installs, removes and replaces watt hour meters. (Install and remove Electric Vehicle (EV) charging devices) and completes/removes single phase low voltage connections. Installs, replace and remove single phase low voltage connections and devices on wood, fiberglass and steel poles related to new and evolving technology such as grid routers. Assist Line Patrol Mechanics (LPMs) with the repairing and removal of existing series streetlight circuits and related equipment. When assigned to Electric Trouble Board, employee(s) will provide support to the Electric Trouble primary crews for system restoration. Respond to single phase customer power concerns and outages. Install, replace, or repair overhead residential services, turn on or off based on billing status, cut single phase services at the pole or at the service entrance conductors at elevated weather-heads, and install and remove boots on meters at meter panels. Work closely with LPMs in Overhead Transmission in the construction, maintenance, and repair of overhead transmission lines and related equipment, climb steel towers, wood poles, and work out of aerial lift bucket trucks. LMA's may be asked to report and work in various reporting locations throughout the Power System. Provide an accurate accounting of work progress and complete daily reports.

### ILLUSTRATIVE DUTIES, STREETLIGHT MAINTENANCE

An LMA assigned on a two-person crew is responsible for the following duties: install, replace, re-route, and re-attach single phase 120/240V overhead residential services, utilitarian and OAL lighting services; performs maintenance, troubleshoot and repair single phase 120/240V overhead secondaries and services for residential customers and utilitarian, OAL Program lighting, and a wide variety of streetlight fixtures. Group replacement of utilitarian streetlight and OAL lamps, clean and replace glassware, refractors, and bullet shields. Install shields on light fixtures to reduce the amount of light trespass as necessary. Repair lighting fixtures with replacement of defective photocells, starter boards, ballasts, capacitors, motion sensors, sockets and lamps. Install and remove steel streetlight posts, wood poles, and down guy anchors. Climb wood poles and work out of aerial lift bucket trucks. Install overhead conductors, guy wires and down guy anchors. Install secondary fibers, conductors and connections. May install and remove EV charging devices and equipment related to new and evolving technology such as grid routers. Assist Streetlight Patrolmen (Line Patrol Mechanics) in the repair and restoration of series and multiple streetlight circuits. May assist Streetlight Maintenance or Electric Trouble Patrolmen in circuit restoration efforts.

Repair, rebuild, adjust, and test streetlight equipment including luminaries, switches, and time controllers and recommend modifications of streetlight equipment to prevent reoccurring defects. Work with supervision and engineering in the design and installation of special projects and City District Council Members' requests.

Work directly with Power Engineering Division's Streetlight Support Office and personnel on OAL Program system design by preparing and providing drawings and sketches. Provide quality customer service to LADWP customers by responding to customer requests for new or upgrades of OAL installations. Schedule on-site meetings with the customer to provide details of the OAL Program's services offered. Handle off-site field checks for OAL repairs, access OAL Program's customers' contract records and advise supervision of new work for distribution.

Install, remove, and re-route single phase 120/240V overhead secondaries services. Troubleshoot, locate faults and make repairs to low voltage single phase secondaries overhead services and connections. Trim trees as necessary to clear from lighting fixtures, overhead secondary conductors, and poles.

### **ILLUSTRATIVE DUTIES, ELECTRIC TROUBLE HEADQUARTERS**

An LMA assigned to work for the Electric Trouble Board Headquarters is responsible for the following duties: troubleshoot trouble calls for single customer or residential customer outages; restore service by repairing or replacing overhead residential services and connections, and/or resetting customer breakers. Perform cuts and reconnects to single phase services, install and remove boots on meters at meter panels. Troubleshoot to locate faults and make necessary repairs in low voltage, single phase 120/240V overhead secondaries and services for utilitarian, OAL Program lighting, and may install and remove EV charging devices and equipment related to new and evolving technology such as grid routers. May assist Streetlight Maintenance or Electric Trouble Patrolmen in circuit restoration efforts. Trim trees from overhead secondary conductors and distribution poles. Perform Life Support Verifications.

### **ILLUSTRATIVE DUTIES, OVERHEAD TRANSMISSION**

An LMA assigned to assist Line Patrol Mechanics (LPMs) in the patrol of tower transmission lines is responsible for the following duties: inspects the condition of steel structures, insulators, conductors, and hardware; patrol right-of-way for obstructions and potential fire hazards, and drives specialized transmission equipment in off-road locations.

Prepare materials, tools, rigging and equipment on the ground, and hoists to journey level workers on tower. Climb towers and assist journeyman with emergency and maintenance repairs to transmission lines, make repairs to steel structure towers, and assist in the erecting and dismantling of towers. Climb wood poles to perform inspection, maintenance, and repairs. Assist in helicopter operations (patrols, lifting material, etc.). Assist in the washing of insulators by preparing hose and attachments on the ground and hoisting to lineman on tower, operating pump equipment maintaining proper flow and pressures during washing, and following oral and hand signal directions and communications. May assist in circuit restoration efforts.