

Parking Equipment Electrical Technician-Position Description

11. Functions and Worker Activities

- 50% A. Parking Revenue Control Equipment
- A1. Respond to service calls, maintain and troubleshoot electronic and electro-mechanical malfunctions in entry stations, exit stations, pay on foot stations, cashier stations, barrier gates and card access systems. Sub-components include credit card terminals, power supplies, circuit boards, electronic displays, universal card devices, proximity card readers, vehicle loop detectors, lane controllers, fee computers, cash drawers, receipt printers, control panels, intercoms, voice over IP help lines, remote fee displays, facility vacancy signs, bill note acceptors, bill note dispensers, coin dispensers and coins acceptors.
 - A2. Configure PARCS back office software to enable/disable features related to tariffs, permit parking and special events.
 - A3. Interface with the Assistant Parking Manager and contracted parking customers to explain configuration options.
- 10% B. Video Surveillance Systems
- B1. Create video network and camera layout diagrams.
 - B2. Install and configure cameras.
 - B3. Troubleshoot and repair cameras.
- 5% C. Facility Way-Find Signing
- C1. Create sign layout diagrams.
 - C2. Install signs and controls
 - C3. Maintain and repair
- 10% D. Computer Network Infrastructure
- D1. Design physical drawings for Parking Utility LAN infrastructure.
 - D2. Install network switches and terminate copper and fiber patch panels.
 - D3. Maintain and troubleshoot network components such as switches, access points, point to point connections, media converters, fiber and copper connections.

- 5% E. Parking Meters
- E1. Perform service call repairs to electronic single and multi-space parking meters
 - E2. Assist Parking Equipment Mechanic 1 with higher level electronic and software issues.
 - E3. Terminate and configure local area network to multi-space parking meters.
 - E4. Perform electrical termination under the guidance of the Traffic Engineering Master Electrician.
- 10% F. Facility Lighting
- F1. Research and assist in developing best solutions for facility lighting systems.
 - F2. Program and maintain sophisticated facility lighting control equipment.
- * G. Alarm Systems (*Security, LAN, Flood, Freeze, CO*)
- G1. Maintain and troubleshoot malfunctions.
 - G2. Work with vendors and contractors for proper installation and configuration.
- * H. Maintain Cashier Booths
- H1. Troubleshoot and repair electronic controls
- 5% I. Record Keeping
- I1. Maintain and assist in implementing information systems for preventive maintenance, device software configuration, purchasing, parts inventory, manuals and work orders
- 5% J. Assigned Help
- J1. Provide leadership to the Parking Equipment Technician I.
 - J2. Work with seasonal labor staff on various projects.
- * K. Perform Miscellaneous Duties As Needed Or Scheduled
- K1. Provide PARCS equipment education and materials to Parking Leadworkers

- K2. Fill in for absent Parking Equipment Mechanic and Parking Maintenance Worker 1 & 2.
- K3. Perform related work as required.

* = Less than 5%

12. Primary Knowledge, Skills and Abilities Required:

This is highly skilled and specialized work. Thorough knowledge of the materials, methods, tools and techniques used in the installation, repair, troubleshooting and maintenance of electronic and mechanical parking equipment. Through knowledge of parking utility equipment, property and signage relating to parking operations. Through knowledge of installation and maintenance of data local area networks. Thorough knowledge of electrical installations to include switches, outlets, fixtures and hanging electrical conduit. Working knowledge of computer applications and configurations. Ability to operate a wide range of equipment including digital and analog multi-meters, amp meter, solder guns and irons, desoldering station, transistor tester, capacitor tester, AC/DC power supplies, power drills, air compressor, all power saws, and a variety of hand tools. Ability to read and understand blueprints. Ability to read, understand and draw, electrical and electronic schematics. Ability to operate heavy equipment and to engage in strenuous physical activities, including lifting heavy materials. Ability to develop maintenance schedules and establish priorities. Ability to follow complex written and oral instructions. Ability to keep records. Ability to repair and troubleshoot electronic and mechanical equipment and fabricate parts when necessary. Ability to make recommendations concerning equipment and service contract purchases. Ability to develop and maintain effective working relationships with staff, contractors and the public.