

# ELECTRICAL TECHNICIAN

Public Works | Roads & Bridges



## SUMMARY

*Troubleshoot electrical problems and perform preventative maintenance and repairs on all electrical equipment and instruments. Ensure proper operation of the Roads & Bridges equipment.*

### JOB OVERVIEW

#### TYPE

Non-Exempt (Hourly)

#### SCHEDULE

Monday to Thursday  
*Required to work overtime including nights, weekends, and holidays.*

#### SHIFT

7 a.m. to 5:30 p.m.

#### LOCATION

Public Works – South Campus

#### REPORTS TO

Operations Supervisor (Bridges & Lights)

#### PHYSICAL DEMANDS

- Lift over 50 lbs. (heavy)
- Routine bending
- Climb to excess of 100 feet

#### WORK ENVIRONMENT

Indoors and outdoors in various climates and conditions

## ESSENTIAL FUNCTIONS

- Troubleshoot electrical problems.
- Perform preventative maintenance and repairs on all electrical equipment and instruments, including single and three phase electric motors, motor control centers, generators, traffic control signals, etc.
- Perform repairs on building electrical equipment.
- Perform some mechanical functions, such as gearmotor repairs, switch repairs, and bearings and mechanical seal replacements.
- Interpret electrical diagrams, schematics, etc.
- Prepare material list and purchase materials needed to complete assignments.
- Perform other duties as assigned by supervisor.

## GENERAL REQUIREMENTS

- Possess good oral and written communication skills.
- Ability to read and interpret written and oral instructions including electrical diagrams.
- Possess thorough knowledge of occupational hazards and precautions necessary for safe operation and repair of assigned equipment.
- Learn and practice applicable safety rules and regulations.
- Electronic skills and mechanical knowledge desired.
- Ability to comprehend mechanics and operational procedures of assigned equipment.

## EDUCATION, EXPERIENCE, AND LICENSES

- High school diploma or GED certificate required.
- Minimum of four years of experience in maintenance and repair of single three phase electric motors, motor control centers, generators, etc.
- Possess and maintain a valid Louisiana driver's license.

## EQUIPMENT USED

- Conduit bender, piper threader, amp meters, Volt/OHM meter, fish tape, battery charger, hand/power tools, aerial lift truck



Questions? No problem! Email us at  
[employment@tpcg.org](mailto:employment@tpcg.org).