



COUNTY OF HIDALGO

Department of Human Resources

Job Title: **ELECTRICIAN II**
Grade: 10

The County of Hidalgo Department of Human Resources reserves the right to select candidates considered to be the most highly qualified based on education and experience. The hiring department will interview and select the candidates provided by the Department of Human Resources.

GENERAL DESCRIPTION

Performs complex (journey-level) work in the maintenance and repair of electrical equipment and circuits. Work involves installing, replacing, and maintaining electrical systems, apparatus, components of machinery, and equipment. May train others. Works under general supervision with moderate latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Installs and repairs electrical systems, apparatus, circuits, and electrical components of machinery and equipment

Inspects, tests, and troubleshoots electrical equipment, lighting, and power circuits

Isolates defects in wiring, circuit breakers, fuses, switches, sockets, and other elements and replaces faulty circuit breakers, fuses, switches, sockets, and other elements of electrical systems

Mounts motors, transformers, and lighting fixtures into position and completes circuits

Repairs magnetic starters and remote start-stop stations; operates and maintains high- and low-voltage switches; and installs rigid, thin wall, and flexible conduit

Wires circuits and cleans and tightens low voltage switch gears

Plans the layout of electrical wiring to ensure compliance with specifications and electrical codes

Assists in the maintenance and renovation of electrical service

May train others

Performs related work as assigned

EDUCATION AND EXPERIENCE

Associate's degree from an accredited college or university or special training in an electrical trade

Four (4) years of experience in the operation, maintenance, and repair of electrical equipment required

Experience in major industrial/commercial manufacturing environment; or preventative maintenance/repairs in a building facilities environment

Two (2) years of related experience may be substituted for one (1) year of education

CERTIFICATES, LICENSES AND REGISTRATION

Valid Journeyman's Electricians License

May require appropriate hours of on-the-job training and pass an examination issued by the Department of Licensing and Regulation

Must have a current valid Texas motor vehicle operator's license

Must be able to be insured by the County's insurance carrier

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of general principles, theory of electricity, and safety regulations required

Skill in the use of tools

Ability to make maintenance or electrical repairs, to diagnose malfunctioning units, maintains records, communicate effectively, and train others

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to talk or hear. The employee frequently is required to stand. The employee is occasionally required to walk; sit; use hands to find, handle, or feel objects, tools or controls; reach with hands and arms; climb or balance; stoop and kneel.

The employee must occasionally lift and/or move over twenty-five (25) pounds. Specific vision abilities required by this job include close vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounter while performing the essential functions of this job.

The noise level in the work environment is usually moderate.

SAFETY REQUIREMENTS

Maintain physical conditions appropriate to the performance of assigned duties and responsibilities which may include the following:

- sitting for extended periods of time
- standing for extended periods of time
- operating assigned equipment

Maintain mental capacity which permits:

- making sound decisions and using good judgment
- demonstrating intellectual capabilities

Effectively handle a work environment and conditions which involve:

- working closely with others
- working in a multi-task environment

Maintain effective audio-visual discrimination and perception needed for:

- making observations
- reading and writing
- operating assigned equipment
- communication with others
- required to follow the County of Hidalgo Accident Prevention Plan and department's safety regulations