

**JEFFERSON COUNTY
EMPLOYMENT OPPORTUNITY**

Job Title: Electrician
Department: Jack Brooks Regional Airport
Reports To: Maintenance Manager
Salary: \$21.7653/hr. or greater depending upon qualifications
Application Deadline: Open Until Filled

DUTIES AND RESPONSIBILITIES

Essential Job Functions:

Creates and executes a program of routine preventative maintenance on a wide variety of electrical equipment including airfield lighting navigational aids, emergency vehicle lights and sirens, electric door and gate operators, low and medium voltage transformers, switchgear, underground wiring, controls, etc. Assist in creating, revising, and/or executing a department safety plan. Replaces fuses and circuit breakers. Repairs street lighting. Pulls cable (electrical or other) in buildings or airfield to replace worn-out or obsolete lines; troubleshoot and repairs circuit problems.

Assists with minor construction or building renovations by drawing sketches & schematics of wiring layouts when needed; corrects electrical plans and blue prints when errors are found; plans layout, installs and repairs wiring, electrical fixtures, appliances, receptacles, switches, fuses or circuit breaker panels, and control equipment; plans new or modified installations to minimize waste and avoid hazardous wiring; consults with engineers to estimate the cost of planned improvements; inspects, tests, low voltage circuit breakers, motors, magnetic drives for pump engines and emergency generators, etc.

Disassembles, repairs and reassembles motors/magnetic drives; tests high voltage relay trip units; measures, cuts, bends, threads, assembles and installs electrical conduit; pulls wire and makes both mechanical and soldered connections to fixtures and/or power equipment; inspects and tests distribution equipment to determine the feasibility of increasing loads; installs control and distribution apparatus, connects power to motors and installs ground circuits, tests continuity of circuits to ensure compatibility of phasing and safety to equipment.

Coordinates and monitors the work of contractors who are installing electrical systems in Airport facilities; performs underground electric utility locating; maintains equipment and work records; orders needed parts and materials through the maintenance office; observes the functioning of installed equipment or systems to detect hazards and/or the need for adjustments, relocation or replacement, and makes needed repairs; installs, tests, and repairs control components of machinery and equipment such as: building alarms, motors for overhead doors, heating and air conditioning systems.

Assists in other skilled trades as required such as HVAC maintenance, plumbing, carpentry, etc. for complete building maintenance repairs or replacements; repairs and replaces motor starting mechanisms, transfer switches, and distribution equipment according to manufacturer's manuals and blueprints, performs minor repairs on small problems that occur within the systems or advises management when major repairs need the expertise of outside contractors; maintains an awareness of proper safety procedures and guidelines and applies these in performing daily activities and tasks; and performs other work as required.

Regular and predictable attendance is an essential function of this position.

Other Job Functions: Performs other job related duties as directed.

NOTE: The above describes the general nature and level of work being performed by employees holding this position. This is not intended to be an exhaustive list of all duties and responsibilities required, nor are all duties listed necessarily performed by any one employee so classified.

JOB REQUIREMENTS

Education & Experience:

- High school diploma or GED;
- must have knowledge of electrical systems, electronics or related fields;
- completed an approved Electrician Apprenticeship training program (e.g., normally with a Union, the military services or at a Technical School);
- OR four to five years of experience in installing or servicing electric power systems, grids or equipment; or an equivalent combination of training and experience.

Specialized Requirements: Applicants must possess a valid Journeyman Electrician's License, possess a current and valid Texas motor vehicle operator's license with the appropriate endorsements; and be able to pass a work related pre-employment physical examination, DOT drug screen, and a TSA/FBI criminal background check.

Knowledge, Skills & Other Characteristics: Knowledge and experience of installation, maintenance and repair of electrical equipment, lines, power terminals, using single phase and three phase power; electronic parts and tools/equipment used in electrical systems repair; in the theories, principles and practices involved in power systems design and delivery mechanisms and control systems; in acceptable and unacceptable electrical installation techniques and of effective corrective measures. Knowledge of The National Electrical Code and the Southern Building Code (especially as it applies to high voltage work) and their application to the Airport's electrical systems environment; the hazards and dangers inherent in working with live electricity and of the various safety practices and procedures commonly used to prevent accidents; OSHA and NFPA 70e regulations and requirements.

Must understand the concept of safety and the importance of a safety plan including personal protective equipment and lock-out tag-out procedures. Skill in the use of the tools and equipment necessary to maintain large and complex electrical installations; detecting and diagnosing electrical equipment/system failures and in determining necessary corrective actions; reading and interpreting electrical drawings and schematics; diagnosing electrical problems and select most feasible solution; lifting or moving heavy electric materials and supplies (up to 75 lbs., typically wire and conduit); working effectively in adverse weather conditions and remaining on-call throughout a 24-hour period; interpreting, applying and following electrical codes, written rules and facility regulations; establishing and maintaining effective working relationships with other employees, County officials and the general public. Must be able to understand the overall vision and growth plan of the Airport and work with others to help execute that plan. Must be able to follow written and verbal directions; as well as exhibit good verbal and written communication. Must be able to read, write, and speak English fluently.

Preferred Skills: Previous experience in the aviation field; airfield electrical system troubleshooting.

WORK SITUATIONS/DEMANDS/EFFORT: Job requires flexibility in order to perform a variety of tasks; performing routine, repetitive duties. When certain outages of required airport lighting occurs, worker must be able to report to work within a reasonable amount of time to resolve the issue.

WORKING CONDITIONS: Work is performed in all areas of the Airport; inside buildings and outdoors. Worker is subject to adverse weather and environmental conditions, including temperature extremes, humidity, and precipitation; noise and vibration; physical hazards from moving machinery, equipment with moving parts; adverse atmospheric conditions from dust, fumes and chemicals.

PHYSICAL REQUIREMENTS: Job duties require regular walking and standing; working with tools, electrical equipment, machinery; climbing ladders and scaffolds. Duties also require heavy work such as moving objects weighing 75lbs. or more; i.e. tools, equipment, supplies, paper, etc., by lifting, carrying, pushing and/or pulling. Appropriate safety precautions must be observed.

**Apply at: Human Resources Department
Jefferson County Courthouse, Annex 1 Building**

1225 Pearl St., Suite 201, Beaumont, TX 77701

(409) 839-2391

Fax: (409) 839-2399

E-mail resumes and/or signed applications to: hrdept@co.jefferson.tx.us

Jefferson County is an equal opportunity employer. The County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services. To request a reasonable accommodation or other assistance, contact a Human Resources representative at (409) 839-2391, or for the hearing impaired, through RELAY Texas at 1-800-735-2989 or mail your request to 1225 Pearl St., Suite 201, Beaumont, Texas 77701.