



**JOB DESCRIPTION**  
**Master Electrician**

**JOB DESCRIPTION:**

The Master Electrician, under the direct supervision of the Director of Maintenance, performs maintenance and repairs on district wide electrical systems and maintains and provides for the safe condition and operation of all electrical fixtures and systems in District facilities.

**EDUCATIONAL / CERTIFICATION / EXPERIENCE REQUIREMENTS:**

- High School Diploma OR GED
- Three to five years experience in the electrical field
- Valid Texas driver's license insurable with Judson ISD insurance carrier and a good driving record
- Master electrical license as required by the State of Texas

**ADDITIONAL REQUIREMENTS:**

- Ability to pass Human Performance Exam (HPE)
- Skills testing will be required

**KNOWLEDGE / SKILLS / ABILITIES:**

- Knowledge of electrical circuits and wiring and operating principles of motors
- Knowledge of local electrical codes
- Ability to read blueprints, schematics, and written reference material
- Ability to follow written and verbal instructions
- Ability to perform mathematical calculations
- Ability to diagnose and resolve problems
- Ability to use hand and power tools
- Ability to manage and communicate with personnel

**DUTIES AND RESPONSIBILITIES:**

1. Complies with District directives and Maintenance Policies and Procedures.
2. Performs all line maintenance as required for satisfactory operation of electric services within the district.
3. Performs preventive maintenance and periodic checks of all electric switch gear and transformers.
4. Insures that all safety regulations are followed.
5. Keeps all electrical related tools and equipment in working order.
6. Must be able to read and interpret blueprints, wiring diagrams and possess knowledge of electrical systems.
7. Estimates and purchases necessary materials to complete work orders.
8. Performs rough in, lay out and final electrical work for commercial type remodeling and new work projects.
9. Provides support to other departments requiring electrical work.
10. Possess knowledge and performs maintenance of motor control panels for equipment operation.
11. Maintains shop and truck inventory and orders parts as required to maintain equipment operations.
12. Serves as lead craftsman.
13. The foregoing statements describe the general purpose and responsibilities assigned to this job and are not an exhaustive list of all responsibilities, duties, and skill required.

**WORKING CONDITIONS:**

**MENTAL DEMANDS:** Must be able to communicate (verbally and written), understand verbal instructions, reason, concentrate, read, and maintain emotional control under stress.

**PHYSICAL DEMANDS:** Frequent walking, standing, climbing, heavy lifting (45 lbs. or more) and carrying, stooping, bending, kneeling, and reaching. Ability to operate hand and power tools and work in tiring and uncomfortable positions. Work outside and inside; on slippery or uneven walking surfaces, ladders, and scaffolding; and around machinery with moving parts. Exposure to hot and cold temperatures, excessive noises, fumes, and toxic chemicals. Frequent district wide travel.

**SUPERVISORY RESPONSIBILITIES:**

Monitors the work of general electricians.

**EQUIPMENT USED**

Multimeter, ohmmeter, oscilloscope, and testing equipment; soldering iron; wire puller; pipe benders and threaders; hand and power tools (saw, drills, etc.); trencher; jackhammer; concrete saw; ladder. Light truck or van.

**Manual Trades Pay Grade: 9**

**Days: 260**

**Wage/Hour Status: Nonexempt**

**Updated: March 5, 2009**

*The Judson School District considers applicants for all positions without regard to race, color, national origin, age, religion, sex, marital or veteran status, the presence of a medical condition, disability, or any other legally protected status.*