



**Location:** Jackson, Mississippi  
**Owner:** Jackson Municipal Airport Authority  
**Arch/Eng.:** Neel-Schaffer, Inc.  
**Contact:** Tom Henderson (601) 948-3178  
**Value:** \$1,786,022



This project was challenging due to the amount of rainfall, the aggressive schedule set forth during the bidding process, the “Custom” switchgear, and the Sept. 11, 2001 terrorist attacks. The amount of rainfall made grounding, conduit, and fixtures installation very difficult. “Custom” switchgear, automatic transfer switchgear, generator, and generator control cabinet had to be designed, constructed, and installed during the aggressive schedule, all of which had extensive lead times. Due to the terrorist attacks, the airport security went on high alert and access of workers and deliveries of materials was all but stopped. Despite all of the complicated tasks, the project was completed on time, without any delays.

**The scope of work included:**

- Temporary airfield lighting/signage/navigational facilities
- Installation of 83,000 lf of #8 5kV wire
- Installation of 140 ground rods
- Installation of 1,000 lf. of 2” conduit in concrete duct
- Installation of 4,000 lf. of 4” conduit in concrete duct
- Installation of 4 constant current regulators
- Installation of 4 electrical man-holes
- Installation of “custom” 15kV automatic transfer switch
- Installation of “custom” emergency generator control panel
- Electrical Demolition
- Installation of 42,400 lf. of #6 copper counterpoise
- Airfield lighting control system modifications
- Installation of 36,000 lf. of 2” underground conduit
- Installation of 1,400 lf. of 6-way 4” conduits in concrete duct
- Installation of 436 taxiway edge lights
- Installation of “custom” 15kV medium voltage switchgear
- Installation of “custom” 250KW emergency generator

# Jackson International Airport Electrical Installation