

SOUTHWEST AIRLINES MX HANGAR EXPANSION

HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT

To facilitate expansion of an MX hangar transferred from AirTran Airways to Southwest Airlines following Southwest's acquisition, Prime Engineering designed a 210' x 40' x 14' equipment shelter/overhang attached to the south precast wall of the hangar.

Design featured a cable-stayed cantilever with no columns, supported off the face of the precast panels; an LED lighting system; and a 40' x 40' secured storage area including a chain-linked fence with a manual vehicle gate and a manual pedestrian gate.

The canopy had to be constructed with minimal impact to the existing hangar to maintain the integrity of the structure and avoid disturbances to existing operations.

Additional work included: restructuring of parking lot; relocation of apron lights and asphalt shoulder; addition of electrical systems, 400-hz power systems, and service utility racks to four aircraft parking positions; elimination of three utility pits; and addition of fuel farm emergency generator.

