



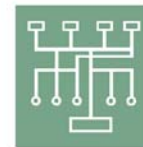
Associates



Engineers



Architects



Systems



Construction
Managers

INNER AND OUTER TAXIWAYS, PAVING, DRAINAGE AND UTILITIES

CHICAGO O'HARE INTERNATIONAL AIRPORT CHICAGO, ILLINOIS

CITY OF CHICAGO DEPARTMENT OF PUBLIC WORKS

HOH was retained to design the \$21 million relocation of inner and outer taxiways and associated utility rerouting required in connection with the construction of the new United Airlines terminal.

The project included concrete pavement construction of 5,300 feet of taxiways 75 feet in width, 2,500 feet of taxiway aprons 200 feet in width, and a holding apron 200 feet wide and 700 feet long, with related storm drainage connections, asphalt taxiway shoulders and taxiway lighting. Also included were 2,050 feet of roadways for service and crossover, with related roadway lighting.

Existing taxiways, aprons, service roads and fueling services were demolished and a pavement condition survey was provided for adjacent taxiway pavement.

Provisions were made for the relocation, capping or abandonment of sanitary sewers and gas lines. The design of relocation or construction of 8,000 feet of storm sewers and 1,700 feet of water main with cathodic protection was also included.

In connection with staging and scheduling of work activities, construction procedures were developed to minimize aircraft traffic disruption in this important transportation center. This included the design of temporary construction and utility connections to maintain aircraft operations, vehicular traffic, city operations, construction traffic and continuity of services for existing facilities.

