



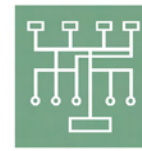
Associates



Engineers



Architects



Systems



Construction
Managers

NE CARGO AREA DEVELOPMENT PAVING, DRAINAGE AND UTILITIES

CHICAGO O'HARE INTERNATIONAL AIRPORT CHICAGO, ILLINOIS

CITY OF CHICAGO DEPARTMENT OF AVIATION

Scope included Phase II design for construction of two concrete collector roadways and adjacent utility corridor servicing the northeast O'Hare Expansion for a New Cargo Loading Facility. The two access roads were approximately 3,000 feet in length from the west limits of the NE Cargo Development to the Zemke /Manheim Road intersection. Scope included roadway (3 lane), curb and gutter, drainage facilities, lighting, maintenance of traffic and utility relocations. In addition, scope included design and coordination of a utility corridor containing sanitary and storm sewer, as well as two (2) concrete duct banks along the roadways to provide sewer and drainage service, as well as to accommodate COMED, ATT, and DOA data/communications facilities. The medium voltage duct bank provides 18 conduits and the low voltage data/communications duct bank has 12 conduits.

The civil design includes turning lanes for two intersections at Patton Road. Drainage design includes inlet spacing, stormwater collection and conveyance and underground detention, with multiple utility relocations. Duties also included QA/QC of civil design including geometric and drainage design, and permitting. Permits and construction estimate were required.

