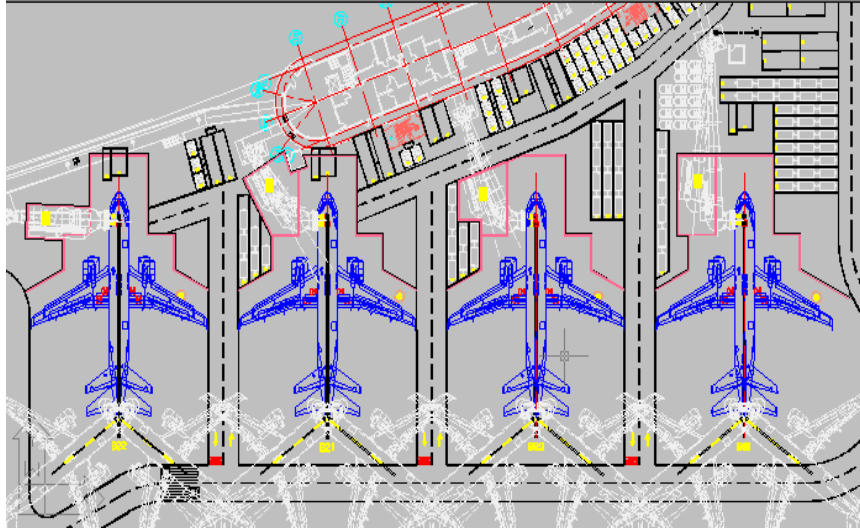


UNITED AIRLINES GSE CONFIGURATION STUDY O'HARE INTERNATIONAL AIRPORT, CHICAGO, IL



OWNER
UNITED AIRLINES

OWNER'S REPRESENTATIVE
GENE BARR
MANAGER

BNP PROJECT MANAGER
ED VALENTE / DON BASSETTE

LOCATION
CHICAGO, IL USA

COMPLETION DATE
2001

**CONSTRUCTION CONTRACT
AMOUNT**
US \$2 MILLION

REFERENCE
CHUCK MINOR
REGIONAL MANAGER
UNITED AIRLINES
O'HARE INTERNATIONAL AIRPORT
TERMINAL ONE, CONCOURSE "C"
BASEMENT LEVEL, MAINTENANCE
DEPT. ORDPV
CHICAGO, IL 60666
PHONE: (847) 700-6504

SCOPE OF SERVICES
CONCEPTUAL DESIGN
DESIGN DEVELOPMENT
CONTRACT DOCUMENTS
BIDDING AND PROCUREMENT
CONSTRUCTION MONITORING

RELEVANCE
CONSTRUCTION ADMINISTRATION
FOR APRON SYSTEMS

United Airlines, prompted by aircraft parking re-configurations, increasing aircraft gauge and decreasing area, retained BNP Associates, Inc. to develop a ground service equipment (GSE) parking layout for the entire O'Hare International System.

BNP's work began with the assessment of GSE requirements for each gate dependent on gate capability and flight schedule. This data was then totaled into zone requirements to reflect the needs for common cart/container marshalling areas. In parallel to this effort BNP personnel surveyed and inventoried all existing facilities and equipment.

Several alternative models were developed for each gate type. These were reviewed with each user group so a common approach and a preferred scheme could be established. Once complete, this was applied to each gate and then adjusted for any site-specific conditions.

Equipment requirements include cart/dolly staging, diesel and electric tugs/belt loaders, container loaders, de-icing trucks, glycol fill stations and special purpose vehicles/equipment.

The product provides the ORD station with a more organized and efficient working environment. This will both improve labor productivity and reduce safety mallards at one of the largest airports in the world.