



MINNEAPOLIS ST. PAUL INTERNATIONAL AIRPORT

Minneapolis, Minnesota

Airport Summary
Brief – Apron Systems
Terminals 1 & 2

BNP Associates, Inc. has been the Metropolitan Airports Commission (MAC) apron systems consultant on previous projects for over 20 years and prior to the Northwest Airlines/Delta Airlines Merger. Some of our major more recent projects in Minneapolis St. Paul include:

TERMINAL 1 LINDBERGH PASSENGER BOARDING BRIDGE REPLACEMENT – PHASES 1 AND 2

Architectural Alliance retained BNP Associates, Inc. for design and construction administration services related to its Lindbergh Terminal Passenger Boarding Bridge and Equipment Improvements Program, original phase 1 and phase 2. BNP provided design services to replace nineteen (19) existing bridges including the original project specifications for the apron systems equipment. The work also includes Point of Use Pre-conditioned Air, Baggage Lifts, Exterior Fixed Walkways and 400 HZ ground power systems at gates serviced by multiple airlines including Delta Airlines, United Airlines, Air Alaska and Spirit. BNP's construction administration services included scheduling, submittal reviews, coordination of installation activities, factory and site acceptance testing and warranty administration.

TERMINAL 2 HUMPHREY EXPANSION PROGRAM

Miller Dunwiddie retained BNP Associates, Inc. for design and construction administration services related to its Humphrey Terminal Expansion Project Including New Passenger Boarding Bridge and Equipment Improvements Program from 2015 through 2017. BNP provided design services to add four (4) new fixed walkways and passenger boarding bridges. The work also included Point of Use Pre-Conditioned Air and 400 HZ systems at the station and assisting the civil team on the final aircraft layout. The gates were part of a Terminal 2 expansion program and used primarily by Southwest Airlines. BNP's construction administration services included scheduling, submittal reviews, coordination of installation activities, factory and site acceptance testing and warranty administration.

UNITED AIRLINES FLEET CROSS SHARING PROJECT & RAMP STANDARDIZATION PROGRAM – CONCOURSE E

United Airlines retained BNP Associates, Inc. for design services related to its Fleet Cross-Sharing Project, EMB-175 extended winglet deployment and overall ramp standardization at over 70 North American Stations including the Minneapolis – St. Paul International Airport. BNP provided overall gate layouts designs with the existing equipment capabilities, review sessions with the various stakeholders and site coordination with the Airport Authority and United Airlines. Part 1 consisted of co-locating the merged United Airlines and Continental Airlines and their unique aircraft fleet mix. Part 2 consisted of incorporating the new E 175 Winglet aircraft while Part 3 involved standardizing all their gate layouts. Once the layouts were completed and approved by all parties, BNP assisted with the on-site coordination of the field work including ramp striping, jet bridge limit setups and aircraft fit tests.

TERMINAL 2 HUMPHREY TERMINAL

Working in association with Miller Dunwiddie Architects, BNP Associates, Inc. designed all of the original aircraft parking stands and apron systems.



ASSOCIATES, INC.

BNP PROJECT TEAM

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REFERENCES

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SCOPE OF SERVICES

Analysis & Simulation
Conceptual Design
Design Development
Bid Documentation
Construction Administration
Testing & Commissioning