



PHOENIX SKY HARBOR INTERNATIONAL AIRPORT

Phoenix, Arizona

Airport Summary
Brief

BNP Associates, Inc. has been doing business at PHX since 1998. Some of our projects include:

INLINE EDS RECAPITALIZATION

The PHX Terminal 4 International (T4I) and Terminal 4 South (T4S) EDS Recapitalization effort was undertaken to replace the original EDS machines in both of these inline screening matrices. The Recapitalization project involved the Optimization of both systems to realign and reconfigure the conveyor system to accommodate the newer and faster EDS machines. The Optimization portion of the project also involved the complete reconfiguration of the Checked Baggage Reconciliation Areas (CBRA) in each matrix to abide by the latest TSA design standards and ergonomic requirements. The new reconfigured CBRA at T4S involved increasing the number of TSA search positions by 50% while integrating Out of Gauge bag screening into the same conveyor lines that standard bags are screened from. This integration of Out of Gauge bags allows TSA to only have to staff one area and allowing them not to have to lift any bags during the screening process. The construction phasing of the modifications to T4I allowed the system to remain operational throughout the construction process.

TERMINAL 4 NORTH OVERSIZE CBIS

Corgan Architects, in coordination with DWL, obtained BNP's services to design and develop an overflow / golf bag screening system for US Airways at the Phoenix Sky Harbor International Airport, Terminal 4. The main design intent of the Terminal 4 North OS Checked Baggage Inspection System (CBIS) was to provide a, non-publicly visible, screening system to process all US Airways checked golf-bags as well as provide US Airways with an outlet / screening overflow valve for charter flights. The system can also be utilized as a backup EDS solution in the event Terminal 4's main CBIS were to have a catastrophic failure.

TERMINAL 3 BAGGAGE HANDLING SYSTEM MODERNIZATION PROJECT

The Terminal 3 Modernization effort was undertaken to accommodate the replacement and relocation of the ticket counters and claim devices in the lobby of Terminal 3 as part of a terminal-wide remodeling and reconfiguration project. The Reconfiguration involved developing baggage handling system concepts and schematics according to various new ticket counter and claim layouts as provided by the architect. These concepts involve various locations and quantities of ticket counter and claim device as well as alternate locations of airline outbound makeup equipment.



ASSOCIATES, INC.

BNP PROJECT TEAM

David Mecartney, Principal
Cal Trudeau, Project Director
Asher David, Project Manager

BHS CONSTRUCTION AMOUNT

US \$31.4 Million

SCOPE OF SERVICES

Analysis Study
Conceptual Design
Design Development
Ergonomic Improvements
Bid Documentation
Construction Administration
Testing & Commissioning