



# FORT LAUDERDALE-HOLLYWOOD INTERNATIONAL AIRPORT

Fort Lauderdale, Florida

Airport Summary  
Brief

BNP Associates, Inc. has been designing baggage handling systems with Fort Lauderdale International Airport and the tenant airlines since the mid-1980's. Some of our major project include:

## TERMINAL 4 PASSENGER BOARDING BRIDGE IMPROVEMENTS

BNP Associates, Inc. was retained for preparation of design documents of new passenger boarding bridges, aircraft parking, and servicing analysis for the Terminal 4 Improvements Program. BNP provided design services to replace ten existing bridges in the current building configuration with fourteen 14 new bridges.

## TERMINAL 3 BAGGAGE HANDLING & CHECKED BAGGAGE INSPECTION SYSTEM

The project involved program review and verification of system requirements for the design of a fully automated Baggage Handling and Checked Baggage Inspection System (BHS/CBIS) from concept development to 30% detail design level, to assist JetBlue with the solicitation of Contractor bids for a design-build project. The project was completed in June 2016, as part of an overall Airport renovation program that included modifications to the existing ticket counter and outbound transport lines, an automated outbound sortation system with seven inclined plate baggage make-up devices and a new centralized checked baggage inspection system (CBIS), with four L3 3DX 6700ES In-Line EDS Machines for the combined screening of all JetBlue and other carriers originating and international to domestic outbound transfer baggage processed out of Terminal 3.

## TERMINAL 4 BAGGAGE HANDLING SYSTEM ALTERATIONS AND ADDITIONS

BNP has been involved on a number of projects at Terminal 4, the first of which consisted of an interim outbound BHS that completely replaced the originally installed outbound baggage system. The new outbound baggage system is comprised of a Checked Baggage Inspection System (CBIS) with six semi-integrated ED Machines, a new sortation system and two flat plate baggage make-up devices. BNP was also involved in the design for the expansion of the interim outbound system that included the addition of two new flat plate make-up devices to increase the T4 baggage make-up operation from two make-up devices to four. A couple of other projects included design services for the existing FIS that involved the reconfiguration of an existing inbound transport line to an interim location and review/evaluation of the proposed FIS expansion, both of which were part of the T4 expansion and Gate Replacement program.

## TERMINAL 1 INLINE BAGGAGE HANDLING SCREENING SYSTEM

BNP was responsible with the concept design of the 100% checked baggage screening system at Terminal 1.



ASSOCIATES, INC.

## BNP PROJECT TEAM

Steve LaPorta, Principal  
Nick Triantafyllidis,  
Project Director

## BHS CONSTRUCTION AMOUNT

US \$100+ Million

## REFERENCE

Doug Webster  
Broward County  
Aviation Department  
320 Terminal Drive  
Ft. Lauderdale, FL 33315  
phone: (954) 359-6176

## SCOPE OF SERVICES

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