



# PHILADELPHIA INTERNATIONAL AIRPORT

Philadelphia, Pennsylvania

Airport Summary  
Brief

BNP Associates, Inc. has been doing projects at Philadelphia International Airport since 1986. We are proud to have our excellent relationships that have been built over many years with the City of Philadelphia Department of Commerce Division of Aviation, airlines, TSA, architects, and facility maintenance. Some of the projects we have worked on at Philadelphia International Airport include:

## TERMINAL A BAGGAGE SCREENING SYSTEM

BNP was retained by KPF to provide design services for the Inbound and Outbound Baggage Handling Systems of the new International Building. The primary tenant is American Airlines. The FIS Inbound System consists of eight incline plate claim devices with two-sided load conveyors. The American Airlines Outbound operation consists of an automated baggage handling and Checked Baggage Inspection system with five incline plate baggage make-up devices. The OAL (Other Airlines) outbound operation consists of three incline plate baggage make-up devices that are directly fed from their respective ticket counter conveyor belts (no automation). American Airlines is serviced by four fully automatic CTX 9000 machines and another four hold-in mode CTX 9000 screeners at level 2. The OAL screening system provides two level 1 and two level 2 machines. The domestic re-check system is also equipped with a CTX 9000 machine.

## TERMINAL D/E EXPANSION & MODERNIZATION

This project was completed in June 2015 and included a new multi-level connector building between Terminals D & E, a 50,000 s.f. addition to the Terminal E concourse, a 9,000 s.f. connector building between Baggage Claims D and E, and various renovations to areas within the two existing terminals that replaced the existing baggage handling systems in each of the existing terminals with a centralized outbound baggage handling operation. The first two phases (1A and 1B) were the new multi-level connector building between Terminal D & E, which was designed to operate as one terminal complex with a common “multi-user” system for passenger/baggage processing. The first level houses the baggage make-up area with associated automated baggage handling and checked baggage inspection system. To accommodate the design intent and construction program within an existing airline operational environment, BNP and the design team developed a phased-in implementation program that allowed the replacement of the existing independent direct fed manual sort systems and associated facility upgrades to be performed with minimum disruption to airline operations. The outbound baggage handling and Checked Baggage Inspection Systems were designed to process all originating outbound baggage out of Terminals D and E.



ASSOCIATES, INC.

## BNP PROJECT TEAM

Steve LaPorta, Principal  
Nick Triantafilidis, Project  
Director

## SCOPE OF SERVICES

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