



LOS ANGELES INTERNATIONAL AIRPORT

Los Angeles, California

Terminal 7/8 100% Inline Baggage Screening System

Los Angeles World Airport | Completed 2017

The Los Angeles World Airport Authority and United Airlines collaborated to modernize the United Airlines facilities at LAX Terminals 7 and 8. As part of this agreement, the terminal was to be upgraded to include a new inline checked bag inspection system (CBIS) to replace the existing stand-alone EDS baggage screening that no longer suited the needs of the airline. BNP was retained as part of an overall project team headed by Hensel Phelps Construction Company and Av Air Pros to design the new CBIS for 100% in line baggage screening.

The new CBIS security matrix included four CTX 9800 Level One machines, Level Two threat resolution, and Level Three ETD functions within the checked bag resolution area (CBRA). The Terminal 7 baggage system included two new ticket counter take-away conveyors that collect bags from airline check-in areas, two curbside lines, clear bag transfer input and an FIS recheck conveyor. A new apron level airline bag make-up area comprising of five new flat plate make-up devices was provided in the area where the old BHS sort piers resided. All new lower-level controls were provided as well as upper-level controls for MDS, MIS, EDS, and SAC interfaces.

The new BHS was designed and built using distributed I/O, which reduced the amount of electrical installation time, increases the modularity of the system, reduces the components in MCPs, reduces the total number of MCPs, simplifies maintenance, and lowers installation costs.

The system is in use and has been performing to PGDS version 4.1 standards since going live in June 2016.

During the implementation of the CBIS, BNP was requested to provide additional construction management and commissioning services for the temporary relocation of the stand-alone EDS area to allow for building construction to continue and the new domestic inbound systems, which included four new flat plate claim devices with their associated feed conveyors.



ASSOCIATES, INC.

BNP PROJECT TEAM

David Mecartney, Principal
Bill Roland, Project Director

TOTAL CONSTRUCTION AMOUNT

\$573 Million

BHS CONSTRUCTION AMOUNT

\$48 Million

REFERENCE

Bernardo Gogna
Los Angeles International
Airport
7333 World Way W
855-463-5252
bgogna@lawa.org

SCOPE OF SERVICES

Conceptual Design
Design Development
Contract Documents
Bidding & Procurement