



ORLANDO INTERNATIONAL AIRPORT

Orlando, Florida

Airport Summary Brief

BNP Associates, Inc. has been designing baggage handling systems with Orlando International Airport and the tenant airlines since the late 1990's. Some of the projects BNP has been involved with include:

EMERGENCY INSPECTION SERVICES

BNP Associates, Inc. was retained to conduct an inspection of the Baggage Handling System (BHS) conveyors in response to a fire that occurred within the existing BHS. The purpose of the observational inspection was to inspect baggage subsystems installed prior to the BP-X013 project located on the baggage claim level, ticketing level and in both sortation bagrooms. The 40 subsystems identified to be inspected operate within public areas and in the sortation bagrooms. GOAA identified that their objective of this survey was to have the BHS equipment inspected in order to provide their maintenance department with high-priority items that should be pre-emptively corrected, and identify any potential hazards that may exist or conditions that could possibly lead to a similar catastrophic incident. BNP conducted the search and used a combination of time-proven audio/visual inspections and state of the art thermal imaging to provide GOAA with a complete inspection of the system in question.

DELTA SORTATION SYSTEM REPLACEMENT

BNP Associates, Inc., as a subconsultant to RS&H, provided design and construction administration services for the replacement of the Delta Airlines baggage handling sortation system. This design/build project utilized the Design Criteria Package produced by BNP and the rest of the RS&H team to replace and enhance the functionality of the sortation system. The Orlando International Airport's prior standard of using Motor Control Centers as the basis for conveyor control was substituted for the use of smaller individualized control panels located at each conveyor motor. This decentralized conveyor control design, along with the electrical bus installed along the length of the bagroom that facilitated easy connection to powered components, allowed the design team to maximize available floorspace for the baggage operation rather than infrastructure and equipment.

V-640 PROJECT AND MISCELLANEOUS

Since the completion of the Delta Sortation System Replacement project, BNP has continued providing BHS design services to GOAA at MCO. BNP designed and managed the construction of the V-640 project, replacing a make-up device and feed conveyor with a reconfigured slope-plate device layout. BNP has completed numerous smaller projects for both the airport authority and the carriers over the past 30 years.



ASSOCIATES, INC.

BNP PROJECT TEAM

David Mecartney, Principal
Rey Lastra, Project Director
Kelly-Ann Scholl, Sr. Designer

BHS CONSTRUCTION AMOUNT

US \$100 Million

SCOPE OF SERVICES

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