

NEWARK LIBERTY INTERNATIONAL AIRPORT BAGGAGE HANDLING SYSTEM UPPER LEVEL COMPUTER REPLACEMENT



OWNER:
UNITED AIRLINES
(FORMALLY CONTINENTAL AIRLINES)

BNP PROJECT DIRECTOR
TERRY COCHRAN

BNP PROJECT MANAGER:
OWEN BALLOU

LOCATION:
NEWARK LIBERTY INTERNATIONAL
AIRPORT
NEWARK, NJ

CONTRACT PERIOD:
2009 - 2010

BHS CONSTRUCTION AMOUNT:
US \$3 MILLION

REFERENCE:
MR. DAVE BRANDENBERG
DIRECTOR, PROPERTIES & FACILITIES
UNITED AIRLINES
PHONE (281) 553-8588
FAX (281) 553-8700
dave.brandenburg@united.com

SCOPE OF SERVICES:
CONCEPTUAL DESIGN
DESIGN DEVELOPMENT
CONTRACT DOCUMENTS
BIDDING AND PROCUREMENT
CONSTRUCTION MONITORING

RELEVANCE:
BAGGAGE HANDLING SYSTEM
UPPER LEVEL COMPUTER SYSTEM
REPLACEMENT

BNP designed and has provided consultation related to the Baggage Handling Systems at the Newark Liberty International Airport for over 20 years. During that time, several improvement programs have been completed, including three projects to replace the Upper Level Computers for the Baggage Handling System.

In 2010, the most recent replacement of the BHS servers was completed. The project was conducted in a brownfield site, requiring the close coordination and scheduling efforts of all stakeholders and the project team in order to ensure the continued operation of the BHS.

A high level of redundancy for the BHS Upper Level Computers was required for this project, the specification and implementation of bumpless and seamless system redundancy was a priority.

The project scope included the complete replacement of the BHS Upper Level Computer system, including the sortation allocation computers necessary for 10-digit IATA baggage tracking, a maintenance diagnostic system for near real-time graphical and textual display of equipment status, and a management information system that provides performance reports for the BHS.

The computer system has been successfully operational since its deployment in 2010.

There were no significant change orders, project completed on schedule for all BHS work.