

## DELTA AIR LINES – ATL BHS MASTER PLAN PROJECT HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT, ATLANTA, GA



**OWNER:**  
DELTA AIR LINES, INC.

**OWNER'S REPRESENTATIVE:**  
PMT

**BNP PROJECT MANAGER:**  
JIMMY MENOSCAL  
RICH FEVANG  
ALEX HEAD

**LOCATION:**  
HARTSFIELD JACKSON ATLANTA  
INTERNATIONAL AIRPORT

**COMPLETION DATE:**  
OCTOBER 2009

**BHS CONSTRUCTION AMOUNT:**  
\$65 MILLION

**TOTAL CONSTRUCTION AMOUNT:**  
\$90 MILLION

**REFERENCE:**  
JOHN HEAD – REGIONAL DIRECTOR  
1030 DELTA BLVD.  
DEPT. 877  
ATLANTA, GA 30354  
PHONE: (404) 715-2544

**SCOPE OF SERVICES:**  
CONTRACT DOCUMENTS, BIDDING,  
CONSTRUCTION ADMINISTRATION  
AND COMMISSIONING

**RELEVANCE:**  
BAGGAGE HANDLING SYSTEM

BNP Associates, Inc. was retained by Delta Air Lines to develop and implement a Baggage Handling System Master Plan, to expand the make-up capacity from the 23 Sort Pier System which had been operational since the mid 1980's.

As part of the project, numerous studies were developed, ultimately leading to the development of a new Outbound Bagroom in the North Side of Concourse B, with conveyor connections to Concourse C. In addition to expanding the BHS Make-up, the existing narrow Sort Lines on the Sortation System in the South Terminal were replaced with 39" BG Sort Lines which meet today's industry standards for operations. All existing Claim Devices and associated Feed Conveyors were replaced and expanded to provide additional claim capacity.

The new expanded BHS Make-up is fed by two new transport conveyors being fed off the existing South Terminal BHS Sortation System, running at speeds of 400 FPM. The new transport conveyors run through the refurbished BHS Tunnel, traveling approximately 2000' leading to the new Outbound Bagroom at Concourse B North. The new Sortation System consists of two sort lines which feed 12 flat plate make-up units on the North Side of Concourse B and two flat plate make-up units in Concourse B South. The new make-up area provides an additional 170 cart/container staging positions at Concourse B. The Sort System also provides a new connection to a make-up unit in Concourse C, where Delta operates all Commuter/Regional Flights. Additionally, the new BHS Sort System in Concourse B is equipped with four transfer input conveyors, thus providing Delta with the ability to introduce next bank transfer bags into the system for automated processing.