

CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT – AMERICAN AIRLINES T POINT AND ABR SUPPORT FACILITIES AT CONCORSE E



OWNER:
CHARLOTTE DOUGLAS
INTERNATIONAL AIRPORT

BNP PROJECT TEAM:
NICK TRIANTAFILIDIS
ZACH EWERS

LOCATION:
CHARLOTTE DOUGLAS
INTERNATIONAL AIRPORT
CHARLOTTE, NC

CONTRACT PERIOD
2016-ONGOING

ENTIRE PROJECT AMOUNT
US \$22MILLION

BHS CONSTRUCTION AMOUNT
US \$4.7 MILLION

REFERENCE:
ROY JOHNSON
CHARLOTTE DOUGLAS
INTERNATIONAL AIRPORT
3741 LARKSTON DRIVE
CHARLOTTE, NC 28226-7024
TELEPHONE: (704) 359-4966
EMAIL: rxjohnson@cltairport.com

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

KEY COMPONENTS:
AUTOMATED BAGGAGE HANDLING
LASER BASED SCANNING
HSD SORTATION
FLAT PLATE MAKEUP UNITS

BNP Associates, Inc. was retained by the airport, to provide the design and construction administration services for the new transfer baggage system at Charlotte International Airport.

The design consists of 5 transfer input lines feeding a redundant sort system consisting of two main lines that sort baggage to three flat plate baggage makeup devices. The overall layout of the sort system includes crossover capability for redundancy considerations.

A dedicated BHS control room has been provided to support the baggage transfer system's upper and lower level controls, which includes the required 10-digit interface with American Airlines departure control system for the sortation of transfer baggage. The new fault monitoring system is graphic based and displays all major elements of the system on a real time basis. Statistical reports are also generated in this location and allow for the management and supervision of the baggage transfer system.

