

DALLAS/FORT WORTH INTERNATIONAL AIRPORT, DALLAS, TEXAS TERMINAL D BHS IT REFRESH PROJECT

**OWNER:**

DALLAS/FORT WORTH
INTERNATIONAL AIRPORT
INFORMATION TECHNOLOGY
SERVICES (ITS) DEPARTMENT

BNP PROJECT MANAGER:

TERRY COCHRAN

LOCATION:

DFW INTERNATIONAL AIRPORT
DALLAS, TEXAS

CONTRACT PERIOD

11/2014 – 09/2016

ENTIRE PROJECT AMOUNT

US \$8 MILLION (PROJECTED)

BHS CONSTRUCTION AMOUNT

US \$8 MILLION (PROJECTED)

REFERENCE:

JOHN PARRISH
DFW INTERNATIONAL AIRPORT
DFW ADMINISTRATION BUILDING
3200 E. AIRFIELD DRIVE
DFW AIRPORT, TX 75261
972-973-5346

SCOPE OF SERVICES:

CONCEPTUAL DESIGN
DESIGN DEVELOPMENT
CONTRACT DOCUMENTS
BIDDING AND PROCUREMENT
CONSTRUCTION MONITORING

RELEVANCE:

UPPER LEVEL BHS CONTROL
REPLACEMENT

The Dallas/Fort Worth International Airport Information Technology Services (ITS) department retained BNP Associates, Inc. to help design, develop, and administer the replacement of the Terminal D Baggage Handling System (BHS) computer and upper level control system in a virtualized environment. The existing system was put into live operation in 2004, and was identified as a high level and increasing risk component of the baggage handling operations due to obsolescence of computer equipment.

One of BNP's primary objectives in the design portion of the project was to closely collaborate with DFW and their major airline partner to identify technological advancements that could be applied to the BHS via the project for overall improvement to their operations. Most significantly, the incorporation of a VMWare platform to replace the dedicated server hardware architecture will enable DFW to realize greater flexibility and accessibility, while concurrently making future hardware upgrades a much less disruptive event. In conjunction with the general guidelines and expectations that had already been laid out by DFW, BNP created a highly customized bid document set as part of the process in providing a tremendously functionally useful system for their baggage handling operations.

In addition to development of the system software design features such as a flight/sortation system scheduler and remote accessibility to the upper level control system, hardware upgrades included the addition of baggage tag bar code automatic tag readers (ATR's) for inbound systems as well as the replacement of control room and Checked Bag Reconciliation Area visualization equipment.