

BOSTON LOGAN INTERNATIONAL AIRPORT- TERMINAL "A" BAGGAGE HANDLING SYSTEM – BOSTON, MASSACHUSETTS



OWNER

DELTA AIRLINES

BNP PROJECT MANAGER

DAMIEN BREIER

LOCATION

BOSTON, MASSACHUSETTS, USA

CONTRACT PERIOD

2000 - 2004

ENTIRE PROJECT AMOUNT

US \$500 MILLION

BHS CONTRACT AMOUNT

US \$20 MILLION

REFERENCE

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SCOPE OF SERVICES

CONCEPTUAL DESIGN
DESIGN DEVELOPMENT
CONTRACT DOCUMENTS
BIDDING AND PROCUREMENT
CONSTRUCTION ADMINISTRATION

RELEVANCE

AUTOMATED BAGGAGE HANDLING
SYSTEM INTEGRATING THE
SECURITY SCREENING
REQUIREMENTS

BNP, as a sub-consultant to the architectural firm HOK, was retained by Delta Airlines to design the automated baggage handling system for the new Terminal A redevelopment project at Boston Logan International Airport. The previous Terminal A was replaced with a new terminal and remote satellite to maximize the airside utilization of the site. The opening date of the new facility was in late 2004.

The baggage system is contained solely in the main terminal. The inbound system consists of four remotely fed inclined plate claim devices. The outbound system starts at the departures level where there are four ticket counter lines, two curbside lines and one oversize line with future capability for a second oversize line. The standard size baggage conveyors descend through the departures hall to the bagroom where they join into two main pusher sortation lines. Automatic tag readers and subsequent manual encoding positions are provided to encode the 10-digit IATA license plate baggage ID's. After encoding, baggage is sorted from either sort line to any of seven flat plate make-up carousels providing full system redundancy and universal check-in. A transfer line provides for the introduction of transfer baggage to the outbound sortation system. 100% integrated checked baggage screening is provided for within the outbound baggage system.

BNP's scope of work included concept design through construction administration including full time site engineers.