



AUSTIN BERGSTROM INTERNATIONAL AIRPORT

Austin, Texas

CBIS Recapitalization & Enhancement

Austin Bergstrom-International Airport | 2012 – 2015

Corgan Architects, in coordination with ABIA, commissioned BNP to design and develop an inline baggage system EDS replacement/recapitalization program. The design team identified multiple alternatives for review and consideration by the airport, TSA, and other project stakeholders.

The primary design intent of the recapitalization project was to provide a constructible and supportable device replacement plan while maintaining ongoing airline operations and baggage security screening.

The design team identified and compared multiple alternatives for consideration utilizing multiple EDS device throughput ranges. Consideration was given to future industry equipment with an emphasis on the interface and coordination required between the existing legacy system PLC computer control equipment and its interface with the new TSA provided EDS bag scanners. The alternatives selected were presented for review by the major stakeholders of the airport including the terminal airlines, operations, maintenance, ramp, architect, and owner's representatives.

Additional to the recapitalization effort, the design team developed a series of outbound baggage system enhancements as part of the project to benefit day-to-day operations and reduce injury potential. These enhancements included the addition of an oversize transport subsystem to convey oversize bags screened in the CBRA to the ramp level and upgrades to Delta's outbound make-up operation.

Finally, BNP also developed and executed a plan to replace all lower-level control components of the system due to obsolescence and lack of support from the manufacturer. The new controls hardware and updated software provided a more stable and maintainable system going into the future.



ASSOCIATES, INC.

BNP PROJECT TEAM

David Mecartney, Principal
Cal Trudeau, Project Director
Bill Bernhardt, Project Manager

BHS CONSTRUCTION AMOUNT

\$5.8 Million

REFERENCE

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SCOPE OF SERVICES

Systems Analysis
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Design Development
Ergonomic Improvements
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