



THE EASTERN IOWA AIRPORT

Cedar Rapids, Iowa

Checked Baggage Mini In-Line Project

The Eastern Iowa Airport | Design Completion 01/2011 – 08/2011
Construction Completion 09/2011 – 10/2012

The Eastern Iowa Airport (CID) is a commercial airport in Cedar Rapids, Iowa. The airport serves Cedar Rapids, Iowa City and other communities in eastern Iowa. The airport serves 14 destinations with a total of 5 different airlines.

A mini inline system was designed, tested and monitored by BNP Associates at the Eastern Iowa Airport. Prior to this system, the Eastern Iowa Airport did not have a baggage handling system and screened all bags in the lobby of the airport. American, United, Delta, Frontier and Allegiant share the use of the baggage handling system at the Eastern Iowa Airport.

BNP Associates, Inc. was retained by the Eastern Iowa Airport under the Architect – Miller Dunwiddie - to design and coordinate an outbound and inline checked baggage inspection systems (CBIS) capable of screening all outbound baggage. The CBIS's design consists of two (2) EDS machines fed by one (1) common use ticket counter and one (1) independent Out of Gauge line.

Due to the reconfiguration of the lobby and building extension, the project was broken into two separate projects. Due to the multi-airline use of one shared system, Phase 1 of the project was to combine all the airlines into one "common use" ticketing area with one shared makeup unit device. Phase 1 of the project did not include any funding from the TSA as only non-CBIS related items were included in this phase. This included a one (1) new makeup unit device and twelve (12) new ticket counters and associated conveyor belts. Bag screening continued to take place in the airport lobby.

Phase 2 of the project was the design and construction of a fully integrated mini in-line system. TSA funded approximately 95% of Phase 2. The construction of phase 2 began in the winter of 2011 and the system was commissioned and turned over for operational use in October 2012. The existing EDS machines in the lobby of the airport were removed in December 2012 and gave the Eastern Iowa Airport much needed additional space for their use.

BNP's design incorporated the latest TSA Planning Guidelines & Design Standards making the CID baggage handling system design fully compliant to TSA's current protocol for 100% inline certified EDS checked baggage screening. Furthermore, the final design of the mini in-line system allows the installation of an additional EDS machine in the future, if needed due to airport growth.



ASSOCIATES, INC.

BNP PROJECT TEAM

Dave Mecartney, Principal
Atif Rizvi, Project Director

TOTAL CONSTRUCTION AMOUNT

US \$5.5 Million (both phases)

BHS CONSTRUCTION AMOUNT

US \$1.9 Million (both phases)

REFERENCE

Eric Scott
Foth Project Manager
(319) 297-2069
Scott, Eric M
Eric.Scott@foth.com

SCOPE OF SERVICES

Conceptual Design
Design Development
Contract Documents
Bidding and Procurement
Construction Monitoring