

EAGLE COUNTY AIRPORT, Gypsum, CO TERMINAL CHECKED BAGGAGE INSPECTION SYSTEM

**OWNER:**

EAGLE COUNTY AIR TERMINAL
CORPORATION

OWNER'S REPRESENTATIVE:

CHRIS ANDERSON
ASSISTANT AVIATION DIRECTOR
EAGLE COUNTY AIRPORT

BNP PROJECT MANAGER:

CAL TRUDEAU

LOCATION:

GYPSUM, COLORADO

CONTRACT PERIOD:

2010 - SEPTEMBER 2012

BHS CONSTRUCTION AMOUNT:

US \$3.2 MILLION

TOTAL CONSTRUCTION AMOUNT:

US \$7.2 MILLION

REFERENCE:

CHRIS ANDERSON
ASSISTANT AVIATION DIRECTOR
217 ELDON WILSON DRIVE
GYPSUM, COLORADO 81637

SCOPE OF SERVICES:

CONCEPTUAL DESIGN
DESIGN DEVELOPMENT
CONTRACT DOCUMENTS
BIDDING AND PROCUREMENT
CONSTRUCTION MANAGEMENT

RELEVANCE:

BAGGAGE HANDLING SYSTEM WITH 5'
RADIUS PWR TURNS CAPABLE OF
CHECKED BAGGAGE SCREENING OF
SKI'S

Eagle County Airport (EGE) commercial service began in 1989 with seasonal commercial service from Phoenix and Los Angeles and has since grown its commercial service program to include four major airlines with non-stops from 13 airports, in 12 major cities.

EGE's commercial traffic is driven primarily by the surrounding resorts of Vail, Beaver Creek, and Aspen. Seventy-five percent (75%) of EGE's passenger traffic occurs between the months of December and March, and over 420,000 passengers used EGE in 2008.

In 2007 EGE expanded its terminal by constructing a roof over the outbound baggage/baggage make-up area. The project intent was to remove the baggage makeup operations from the seasonal alpine mountain weather elements inherent to Colorado, as well as to create a location that would accommodate future in-line screening operations. As part of this terminal/roof expansion, a 4,800 square foot mezzanine was designed and constructed.

BNP Associates, Inc. was retained by the Eagle County Air Terminal Corporation (ECAT) to design an outbound and inline checked baggage inspection systems (CBIS) capable of screening skis. The CBIS's design consists of two (2) EDS screening pods of six (6) EDS machines fed by three (3) ticket counters and two (2) curbside lines. The EDS pods will divert ski bags to either a CT80DRXL line or to the Out of Gauge line for screening and standard passenger bags to CT80DR machines. In the event that there is an EDS machine failure the system has a purge functionality. Out-of-gauge bags are diverted around the EDS devices onto an OG line for transport for ETD screening.

BNP's designs incorporate the latest TSA Planning Guidelines & Design Standards making the EGE baggage handling system design fully compliant to TSA's current protocol for 100% inline certified EDS checked baggage screening.



ASSOCIATES, INC.