



SAN DIEGO INTERNATIONAL AIRPORT

San Diego, California

Terminal 1 East Inline EDS Recapitalization Project

Southwest Airlines | 2017 - 2019

The SAN Terminal 1 East (T1E) EDS Recapitalization effort was undertaken to replace the original four EDS machines in T1E with three higher-speed EDS machines as the original EDS machines were nearing end of life.

The recapitalization project involved the optimization of the EDS matrix by realigning and reconfiguring the conveyor system to accommodate the newer and faster EDS machines. The optimization portion of the project also involved the complete reconfiguration and relocation of the Checked Baggage Reconciliation Area (CBRA) in the matrix to abide by the latest TSA design standards and ergonomic requirements.

The reconfigured T1E screening matrix consists of a single EDS pod with three new inline CTX-9800 EDS devices. To accommodate the higher throughput of the new EDS machines, new security spur queues were installed. A new, longer On-Screen Resolution (OSR) line was installed to provide additional operator review time and reduce timeout bags arriving in the CBRA. The new reconfigured CBRA at T1E involved increasing the number of TSA search positions while integrating Out-of-Gauge bag screening. The new CBRA configuration is zero-lift and incorporates the latest automated baggage image retrieval technology to minimize TSA processing time and the number of unknown bags. The construction phasing of the modifications to the T1E matrix allowed the system to remain operational for Southwest Airlines and TSA use throughout the construction process.



ASSOCIATES, INC.

BNP PROJECT TEAM

David Mecartney, Principal
Asher David, Project Director
Zach Ewers, Project Manager

BHS CONSTRUCTION AMOUNT

\$8.3 Million

REFERENCE

Mark Baker
Regional Manager, Airport
Security
Southwest Airlines
Phone: (480) 231-1939
Email: mark.baker2@wnco.com

SCOPE OF SERVICES

Conceptual Design
Design Development
Contract Documents
Construction Administration
Acceptance Testing