

East Terminal and Baggage Handling System Modifications Lambert-St. Louis International Airport (LSIA)

Location
St. Louis, Missouri

Construction Completion
2007

Construction Cost
\$5 million

DMA Services Provided
Architecture
Structural Engineering
Surveying Services



As part of the upgrades to the entire baggage screening system, the East Terminal baggage handling system was upgraded to provide in-line explosive detection screening of checked baggage. This upgrade required reconfiguration of the baggage conveyors, and the construction of two additional buildings for security screeners, and for baggage tug carousals. These new facilities required the relocation of an existing jetway, and construction of a new elevator within existing space for additional access to the screening areas.

David Mason & Associates provided architectural and structural services for the building additions and the existing interior renovations. Special architectural attention was paid to the additional buildings, since they were viewable to the traveling public. Surveying services were also provided for location of existing utilities, and determining existing building coordinates.

Extensive coordination with baggage handling and security screening layout was required for this project. In addition, special features such as “blow-out” windows and insulated floor systems were incorporated into the design.

