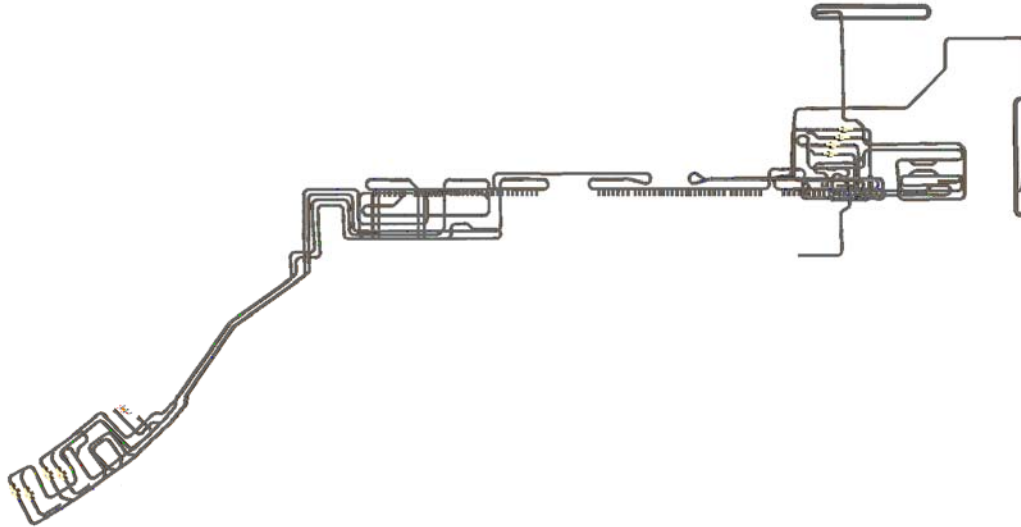




Boston Logan International Airport Terminal E Checked Baggage Inspection System



Boston Logan Terminal E CBIS Overview

Client Name: AECOM Transportation

Date Started: October 2007

Date Completed: In Progress

AECOM Transportation has asked TransSolutions to create a simulation model of Terminal E-East and Terminal E-West CBIS that will allow BOS to determine the impact of potential system modifications.

TransSolutions analysis included:

- Collecting modeling data such as passenger group size, number of checked bags, checked bag length and belt speeds.
- Developing passenger and baggage demand from the flight schedules by applying the collected data.
- Developing simulation model of the proposed terminal to assess the impact of replacing pushers with High Speed Diverters (HSD) and replacing the L3-6000s with Meter Wide Tunnel System (MWTS).
- Evaluating impact of system faults and jams on baggage delivery performance.

Based on the results and findings from the initial modeling, further design improvements are being evaluated to quantify the benefit of adding mainline crossover capability between the two mainlines in Terminal E- East and adding crossover capability between the two mainlines in Terminal E-West.