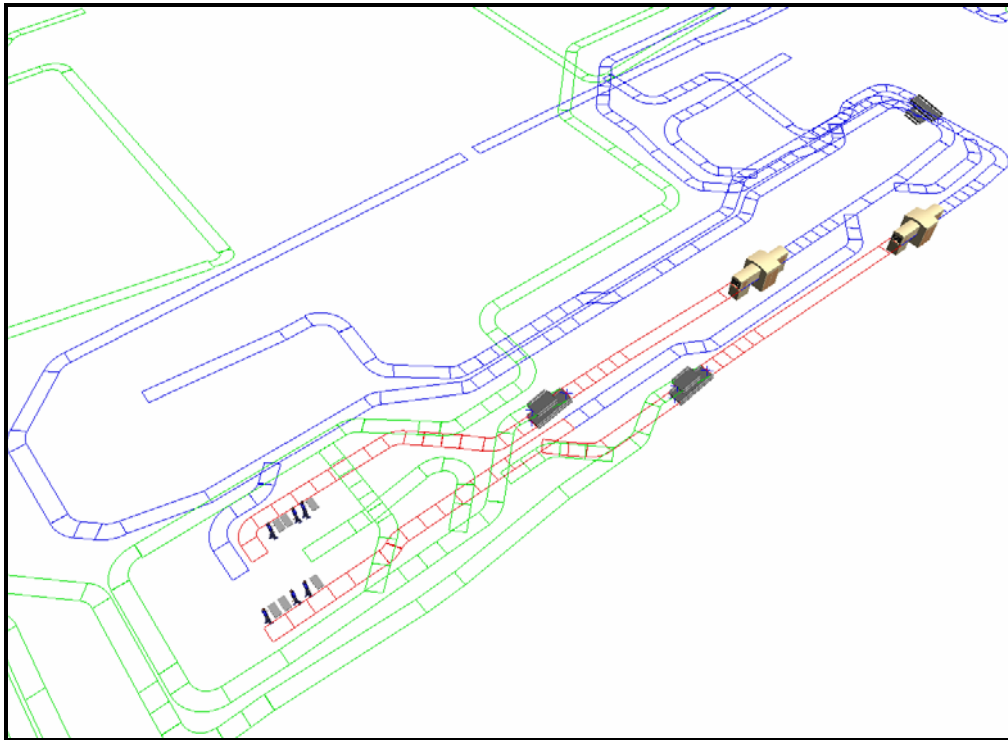




Inline Baggage Handling System Planning



Client Name: Ronald Reagan Washington National Airport
Subconsultant to: URS Corp

Date Started: June 2006

Date Completed: July 2007

TransSolutions' evaluated three new screening designs developed by the URS design team at the Ronald Reagan Washington National Airport (DCA). TransSolutions worked closely with the URS design team to evaluate the performance of the proposed inline baggage handling system concepts and to recommend design improvements throughout the design process.

The performance of each pod was evaluated based on several design criteria:

- Bags should complete TSA screening in ten minutes or less
- Bags should arrive to make-up devices within ten minutes of flight departure
- Mainlines should not stop frequently and bags should not die-back to block vertical sort units (VSUs) or ticket counters.
- The pods are adequately sized to ensure that the required equipment needed to meet all of the other performance criteria is available at least 99% of the time.

The final design consisted of three pods - North, Center, and South. Each pod has two ticketing lobby input lines and two curbside input lines. The North pod has three high-speed EDS machines and the Center and South pods each have two high-speed EDS machines.

In Phase I, TransSolutions completed a gating analysis for both planning day schedules and provided the client with the gate requirements under both scenarios. In Phase II, TransSolutions will evaluate various components of the terminal concept.