



LAX AIRPORT TERMINAL REMODEL



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Los Angeles, California

CHALLENGES:

- *Inefficient baggage handling system design*

SOLUTIONS:

- *Utilized previous experience to recommend more efficient processes*

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THE SITUATION

For commercial airport terminal remodeling projects, baggage handling systems can often be the most costly, difficult, and one of the most time-consuming aspects of the project. Most baggage handling systems route through the ceiling and drop down to the baggage carousel — this causes conflicts with new and existing mechanical, electrical and plumbing systems (MEPs). Shutting down and rerouting existing MEPs is costly and time consuming, and new codes require that baggage be separated from any utilities. This causes additional framing and drywall soffits to be built in the same location.

Experienced in large-scale commercial airport projects, PCI was given the opportunity to assist in the coordination and design on the United Airlines Terminal 7 remodel at Los Angeles International Airport (LAX). PCI understood the challenges of the proposed baggage handling system, and began reviewing design documents to identify ways to improve the project workflow and system efficiency.

The proposed baggage handling system for the United Airlines Terminal 7 remodel was inefficient, and had the potential to cause costly conflicts with the new and existing mechanical, electrical and plumbing systems.

Experienced in commercial airport projects, PCI proposed a solution that would avoid conflicts with MEPs, accelerate the project schedule, and deliver a more efficient baggage handling system to the customer.



THE SOLUTION

Upon review of the baggage claim drawings, PCI's project team suggested the baggage handling system be rerouted to the back of house — not in the ceiling as initially proposed. This solution eliminated the need to shut down existing MEPs to create space for the new baggage handling systems. In addition to this, it eliminated the need for soffit enclosures to separate baggage from utilities as required by code.

By eliminating this scope, PCI was able to expedite the schedule and allow the baggage conveyor contractor to begin its work earlier. It also cut time off of framing and hanging activities after the systems were installed.

THE SUCCESS

Because of the design change, PCI's project team was able to advance the entire project schedule, as well as eliminate unnecessary project scopes. **This allowed United Airlines to begin using their new baggage claim area much sooner than they anticipated.**

PCI is honored to have worked with dedicated partners at one of the most renowned airports in the world, and proud to have helped deliver a beautiful and efficient terminal to United Airlines and its customers.

