



GMGM26071.2020

»» ALPS

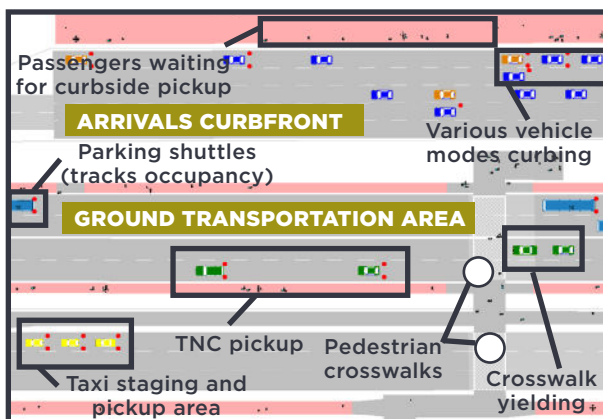
A Kimley-Horn Software Solution

CUSTOMER-ORIENTED MODELING THAT INFORMS DESIGN

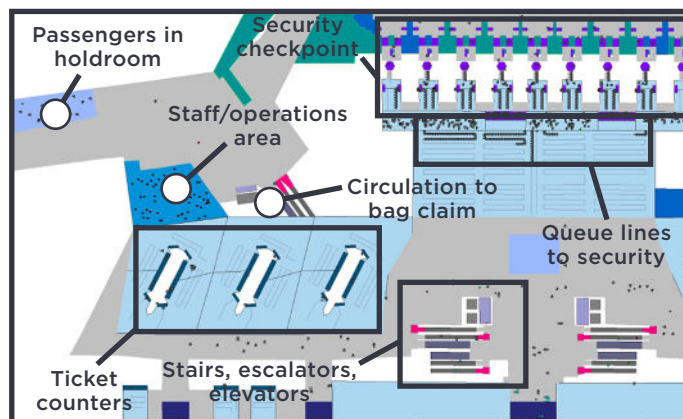
- » Integrated microsimulation model of pedestrians, vehicles, and transit
- » Links and tracks person-trips across multiple travel modes
- » 24-hour model driven by a flight schedule
- » Simulation-based operational analysis—demand vs. capacity, travel times, accumulation/space occupancy, transit utilization, and more
- » Detailed automated people mover (APM) simulation
- » Detailed elevator bank simulation
- » Evacuation scenarios

ALPS SIMULATION OVERVIEW

Kimley-Horn's Advanced Land Transportation Performance Simulation™ (ALPS™) software provides unsurpassed precision in evaluating airport terminals, curbsfronts, and landside environments with microsimulation. ALPS models a variety of modes in a single comprehensive model—linking person-trips across multiple modes of travel—modeling a passenger's journey from the freeway to their aircraft gate. ALPS has been developed and enhanced for more than 35 years principally through modeling a variety of transportation terminals around the country, including some of the largest airports and intermodal passenger rail terminals. ALPS incorporates pedestrian, traffic, and transit elements as a comprehensive multimodal performance analysis. Using ALPS, a terminal facility and landside system can be planned and designed the way it will operate—as a cohesive system rather than as a group of unrelated parts.



▲ Airport curbsfront screenshot



▲ Airport terminal screenshot

