

Presented to:
Construction Network

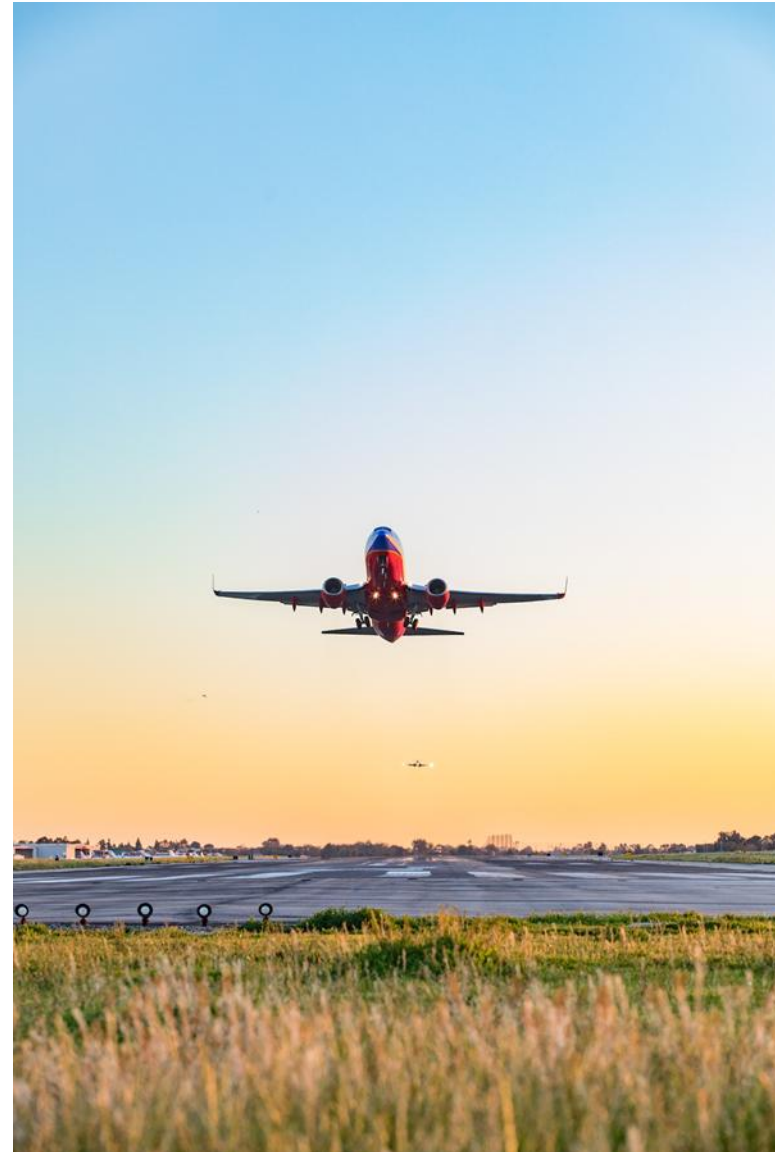
John Wayne Airport

Presented by:
Komal Kumar
Assistant Airport Director

April 10, 2025

Airport Overview

- Owned & operated by the County of Orange
- 510.15 acres
- Bordered by Costa Mesa, Irvine & Newport Beach
- Thomas F. Riley Terminal
 - 20 gates (loading bridge)
 - 2 commuter terminals
- Two runways
 - 5,700 feet (commercial aviation)
 - 2,887 feet (general aviation)





Overview

- Settlement Agreement - Operational Limits
 - Passengers
 - Average Daily Departures (ADDs)
 - Noise
 - Curfew
- Total Passengers 2024: 11.08 M
 - Potential increase in 2026 to 12.5 M
- Total Operations 2024: 334,554
 - 32% Commercial
 - 68% General Aviation
- Top Five Destinations:
 - Phoenix
 - Seattle
 - Denver
 - Las Vegas
 - Dallas

Capital Improvement Program

Facility Accessibility Improvements

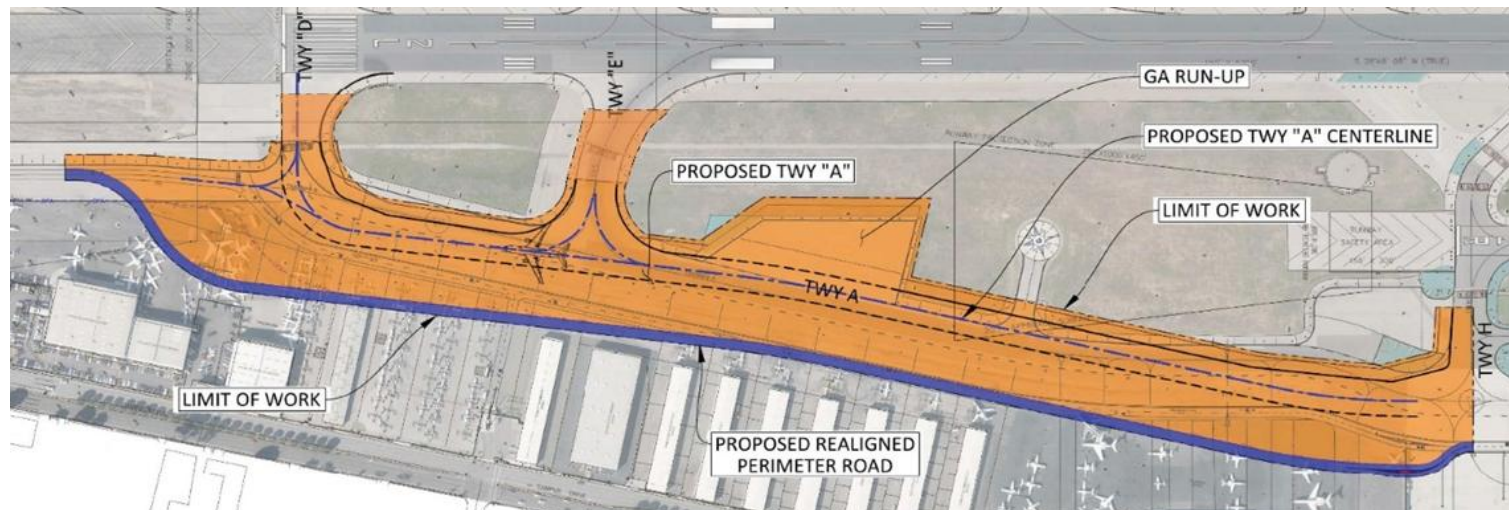
JWA conducted a detailed accessibility assessment and identified improvements needed to comply with Americans with Disabilities Act (ADA) requirements including, but are not limited to, the path of travels/pavement reconstruction; signage, handrail, and guardrail improvements; elimination of protruding objects and installation of required detection systems; restroom accessibility improvements; and various other adjustments and/or replacements for fixtures around the Airport.

- Phase I – Design-Build
 - Design – *(Completed)*
 - Construction Completion – FY 25/26
- Phase II – Job Order Contracting
 - Design – FY 24/25
 - Construction – FY 25/26



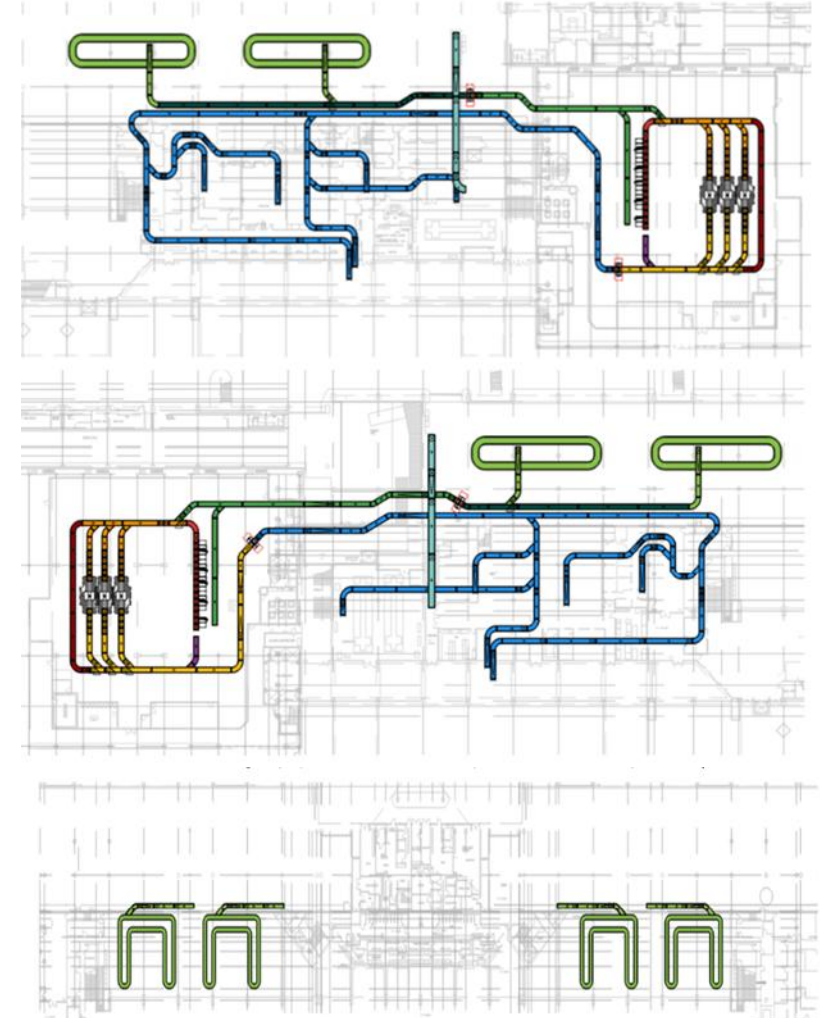
Taxiways A - D - E Reconstruction

- Reconstructs the pavement of Taxiway A, a portion of Taxiway D, and a portion of E and associated improvements to markings, lighting, signage, and drainage. Taxiway A will be slightly realigned, requiring a relocation of the vehicle service road and reconstruction of the adjacent impacted runup.
- The new alignment of Taxiway A improves the geometry of the airfield and clarifies turns to connecting taxiways.
- Design – *(Completed FY24/25)*
- Construction Start – FY 24/25



Terminals A and B BHS Improvements

- The inbound & outbound baggage systems will be replaced in Terminals A&B and improvements will be implemented on the baggage system in Terminal C.
- All existing conveyors will either be refurbished (i.e., drives, rollers, belting, and bearings replaced) or replaced with new conveyors.
- Operational enhancements to the BHS systems will be investigated during the Design Phase for feasibility of implementation.
- Planning & Prelim. Design – FY 25/26
- Construction – FY 27/28



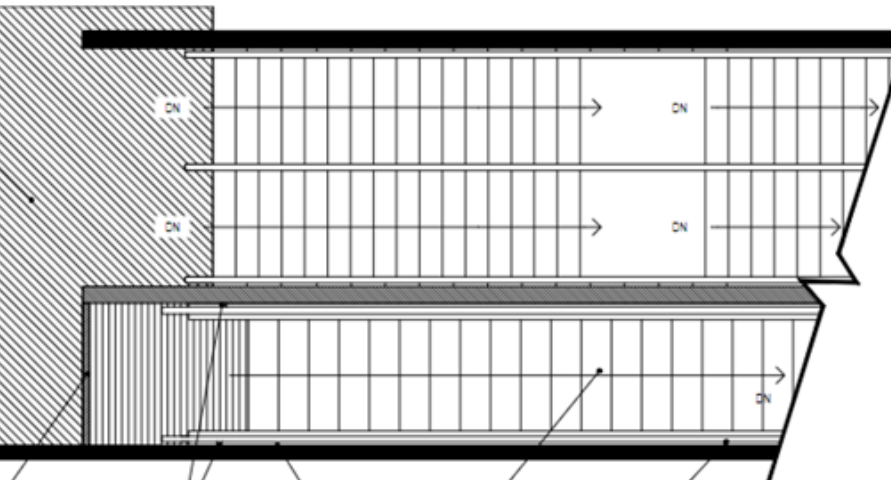
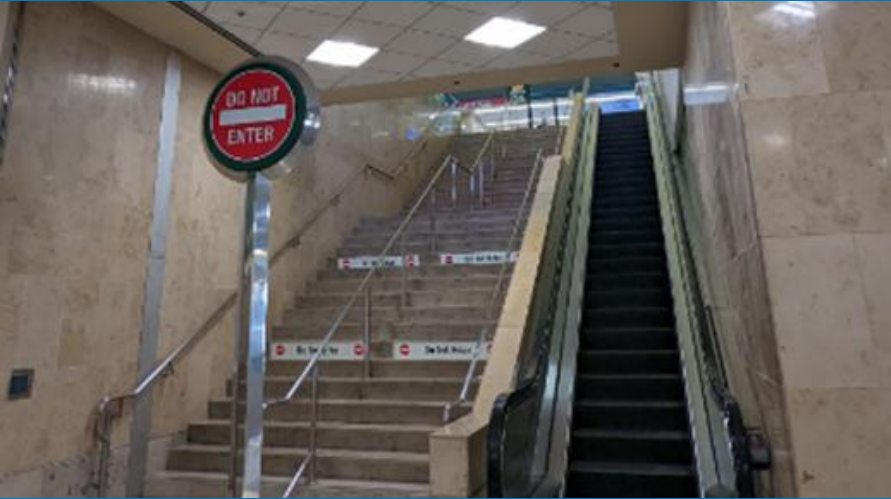
Airfield Perimeter Security Improvements

This project will replace the existing airfield perimeter fence with a taller, anti-climbable system and the replacement of three existing vehicle perimeter gates and one emergency gate with enhanced gates and guard booths integrated with the access control system.

- Phase II
 - Design – (Completed)
 - Construction – FY 25/26
- Phase III
 - Design – FY 25/26
 - Construction – FY 26/27



Vertical Conveyor System Improvements (Escalator and Elevator Replacement)



- Replace and/or rehabilitate all existing elevators and escalators at John Wayne Airport (JWA). Escalators and elevators in Terminals A and B were installed in 1990 and were installed in 2011 in Terminal C. There are 14 elevators in Terminals A, B, and C combined. There are 28 elevators and 9 escalators within the Airport complex that will be replaced and/or rehabilitated.
- The project will be performed in phases to reduce impacts on traveling passengers.
- Phase I – Scheduled Completion FY 25/26
- Phase II, III & IV
 - Design Start – FY 25/26
 - Construction – FY 26/27 to FY29/30

Common Use Passenger Processing System (CUPPS) Replacement

Common Use Passenger Processing System (CUPPS) Replacement throughout the terminals will include the replacement of existing Common Use Self-Service equipment, Flight Information Display System, Common Use Passenger Processing workstations and the associated software platform

- RFP for equipment replacement – FY 25/26
- Implementation – FY 26/27



Airport Power Generation and Distribution Upgrades

The overall program, including all phases, will improve power system reliability and resiliency, mitigate electrical interruptions, reduce outages and dependence on Southern California Edison (SCE), and develop an asset database to assist management, maintenance, and future capital needs.

- Phase 1 - Electrical Distribution Modernization consists of re-feeding 12 kV distribution, replacement of the medium voltage switchgear and substations and upgrade the emergency system.
- Phase 2 – Central Utility Plant (CUP) co-generation plant system improvements, including SCADA, blackstart, battery storage, load shedding capabilities, and water treatment system upgrades.
- Phase 3 – Replacement of aging electrical equipment in the terminal complex and at other airport facilities.
- Phase I
 - Design – *In process*
 - Construction – FY25/26-FY27/28 (CMAR award)
- Phase II – Initiating planning & prelim. design
 - Design – FY26/27

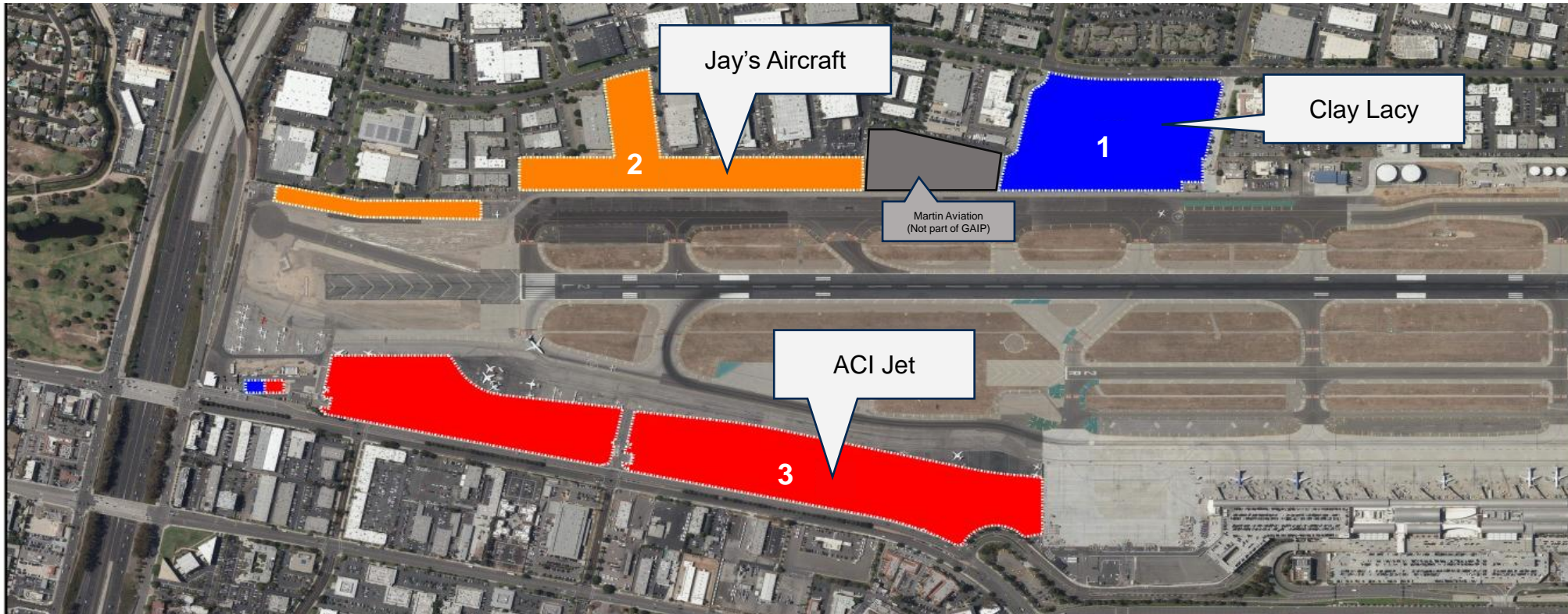


Request For Proposal (RFP)-Coming Soon(on-call)

- Architect/Engineer Planning & Design
- Construction Management/Project Management/Commissioning/Project Controls
- Material Testing & Inspection
- IT Systems Planning & Design
- Environmental Survey and Compliance
- Airport Planning & Programming

General Aviation Improvement Program (GAIP)

GAIP Map and Sequence Plan



	YR1	YR2	YR3	YR4	YR5	YR6	YR7	YR8	YR9
CLAY LACY	█								
JAY'S	█								
ACIJET			█						

JOHN WAYNE AIRPORT
ORANGE COUNTY

CONSTRUCTION SEQUENCE. START AFTER RECEIPT OF NEPA, COUNTY PERMITS APPROVALS.



PL VIEW - OVERALL NORTHWEST SITE - LOOKING NORTHEAST



ARIEL VIEW - OVERALL NORTHWEST SITE - FRONT WITH FLIGHT SCHOOL - LOOKING SOUTH EAST



Clay Lacy Renderings

Jay's Renderings





Exterior Rendering 3: Bird's Eye View Approach From Concession Drive



Exterior Rendering 1: Bird's Eye View Looking Southeast



Exterior Rendering 2: Bird's Eye View Looking Northeast

ACI Jet Renderings

New Concessions Coming to JWA

- JWA recently awarded 15-year leases that will redevelop 80% of its concessions program.
- The redevelopment will feature 37,000 square feet of casual dining restaurants, quick-service, news and gift, specialty retail, automated retail, and coffee.
- The vision for the new Concession Program at JWA is to truly represent the culture, vibe, and feel of Orange County.



Best Airport in North America

- J.D. Power Award for **Best Large Airport** in
 - 2024, 2018, and 2017
 - Placed second: 2023, 2022, 2020 and 2019
 - Seven dimensions: Level of Trust with the Airport, Arrival Experience, Terminal Facilities, Food, Beverage, and Retail, Ease of Travel Through the Airport, Airport Staff, and Departure Experience
 - JWA excelled in three of the study's core dimensions:
 - Ease of Travel Through the Airport
 - Arrival Experience
 - Level of Trust with the Airport



JOHN WAYNE AIRPORT
ORANGE COUNTY

Links

County Procurement Office:


<https://cpo.ocgov.com/doing-business-oc/vendor-registration>

Capital Improvement Program:

<https://www.ocair.com/capital-improvement-program/>

For more information:

OCAIR.COM

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