

# Hawthorne Airport Community Engagement

SPACX Departure Procedure  
RNAV (GPS) RWY 25 Approach

Presented to: Hawthorne Communities  
Network Committee

By: FAA Western Service Center

Date: July 18, 2019



Federal Aviation  
Administration



Federal Aviation  
Administration

# Project Overview

- **Implementation of a new Area Navigation (RNAV) Standard Instrument Departure (SID) procedure (SPACX).**
  - Proposed implementation date: December 5, 2019.
- **Amendment to the existing RNAV Global Positioning System (GPS) Runway (RWY) 25 approach procedure.**
  - Proposed implementation date: October 10, 2019.



# Proposed SPACX Departure Overview

- **A waiver is needed for Hawthorne (HHR) IFR departures to operate concurrently with Los Angeles International (LAX) operations.**
  - This is due to the close proximity (approximately 1.5 nautical miles) of the two airports.
- **The development and implementation of the SPACX SID is an item needed to continue to obtain waiver approval.**

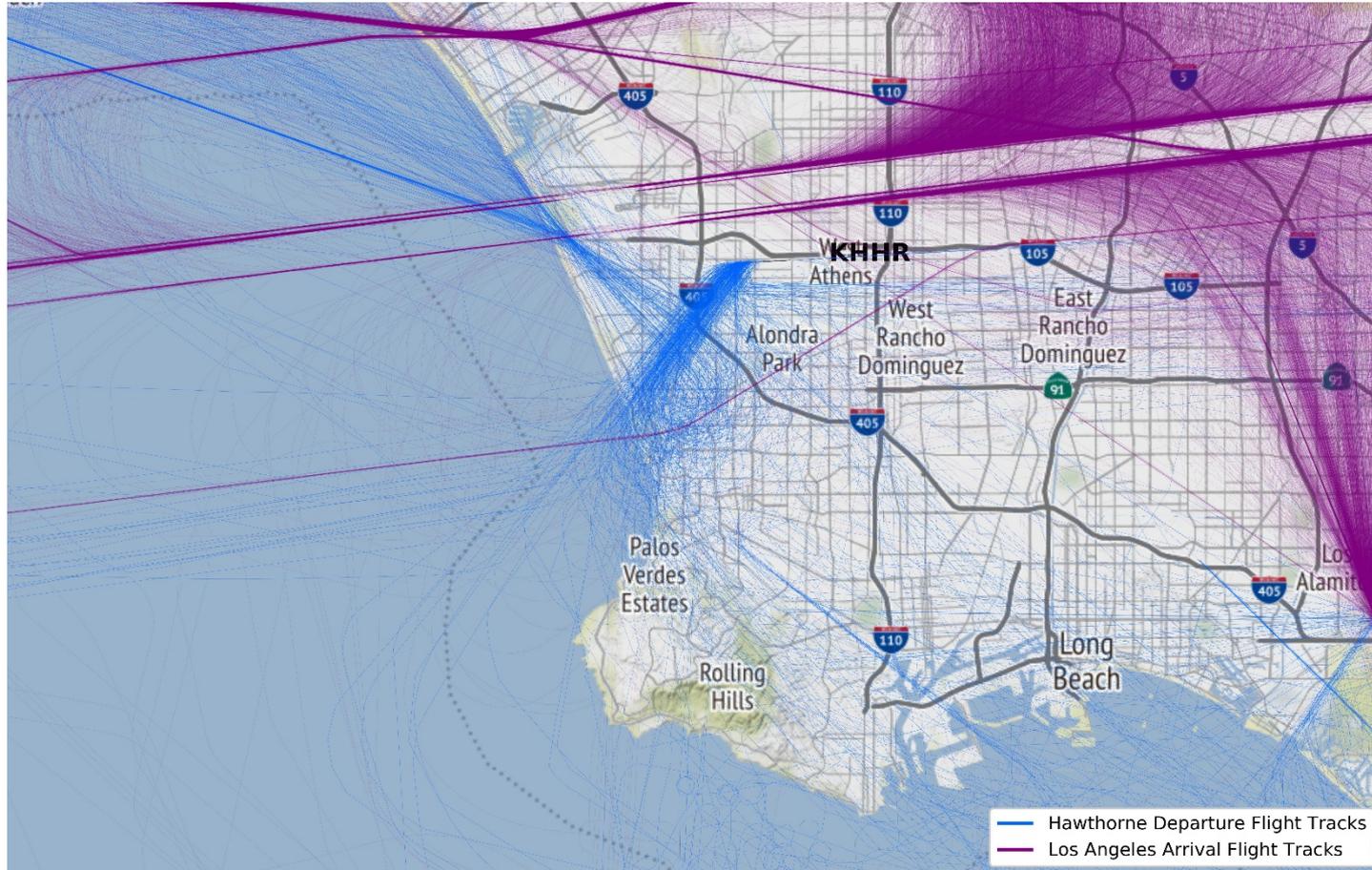


# Proposed SPACX Departure Overview

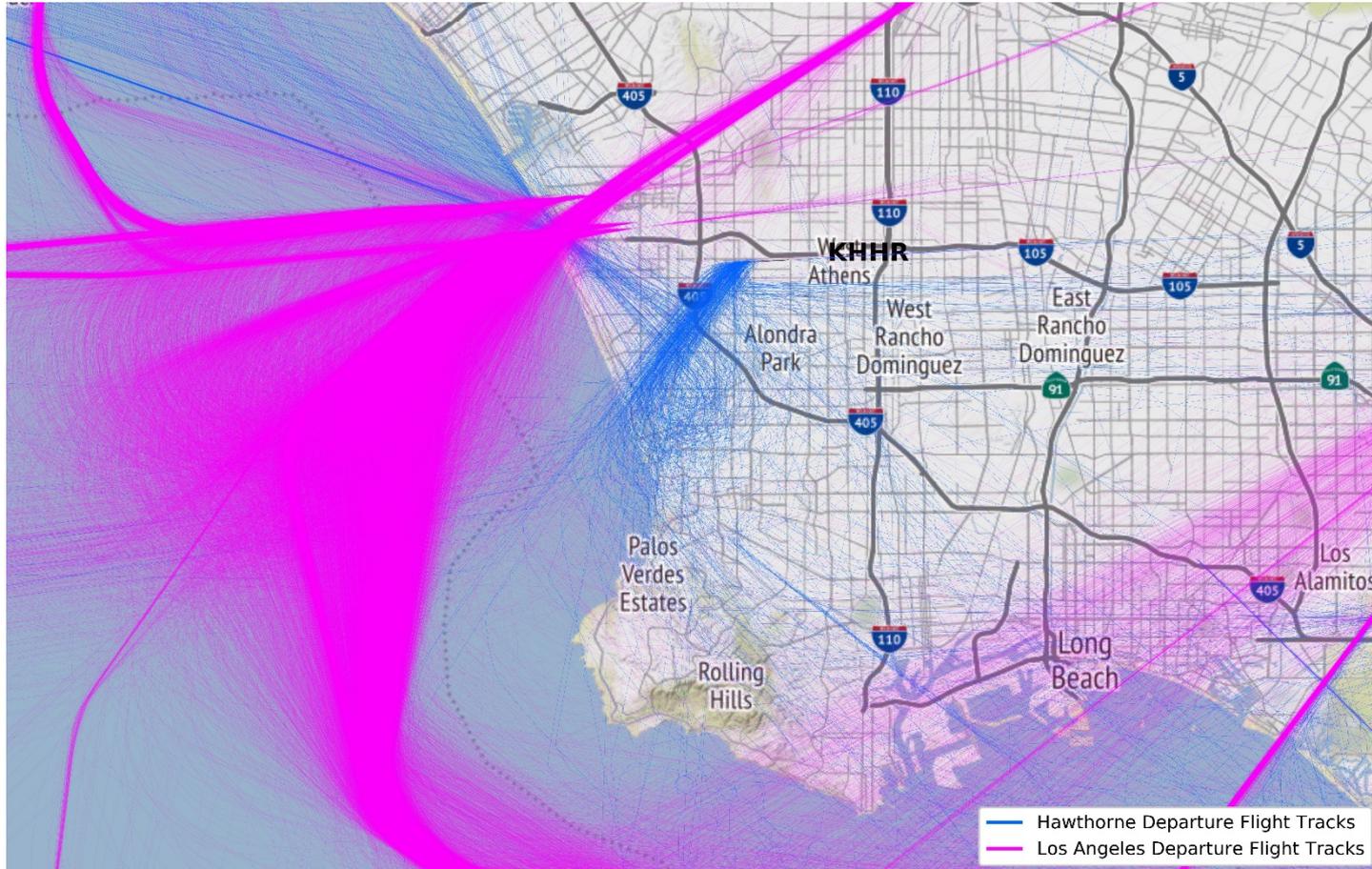
- **This procedure will establish an “automatic” turn to the southwest for HHR IFR departure aircraft from runway 25.**
  - This will ensure diverging courses and increasing lateral separation between HHR IFR departure aircraft and LAX aircraft.
- **Noise screening analysis indicates no reportable or significant noise increases with the proposed implementation of the procedure.**



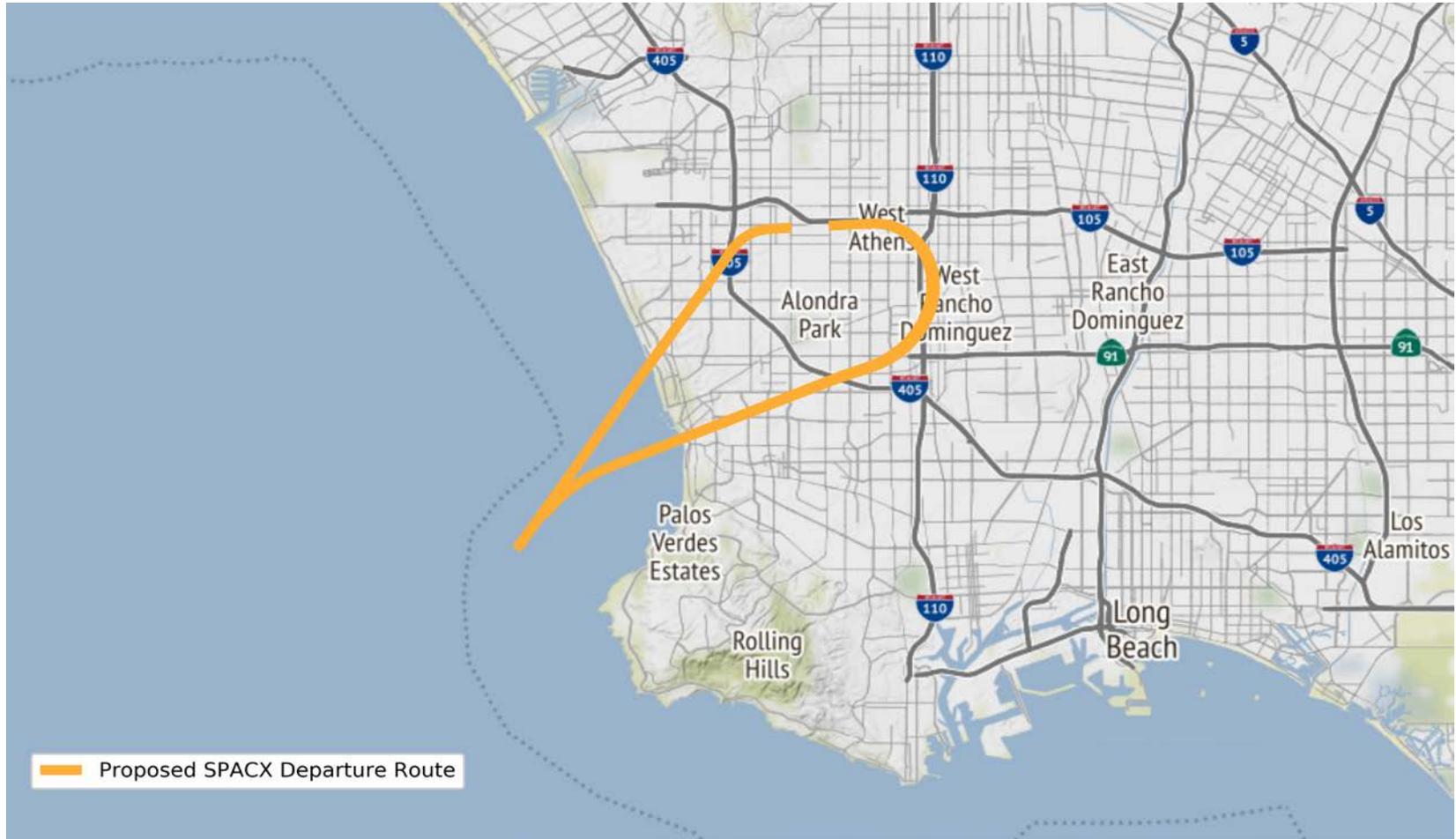
# LAX Arrivals and HHR Departures (30 random days)



# LAX and HHR Departures (30 random days)



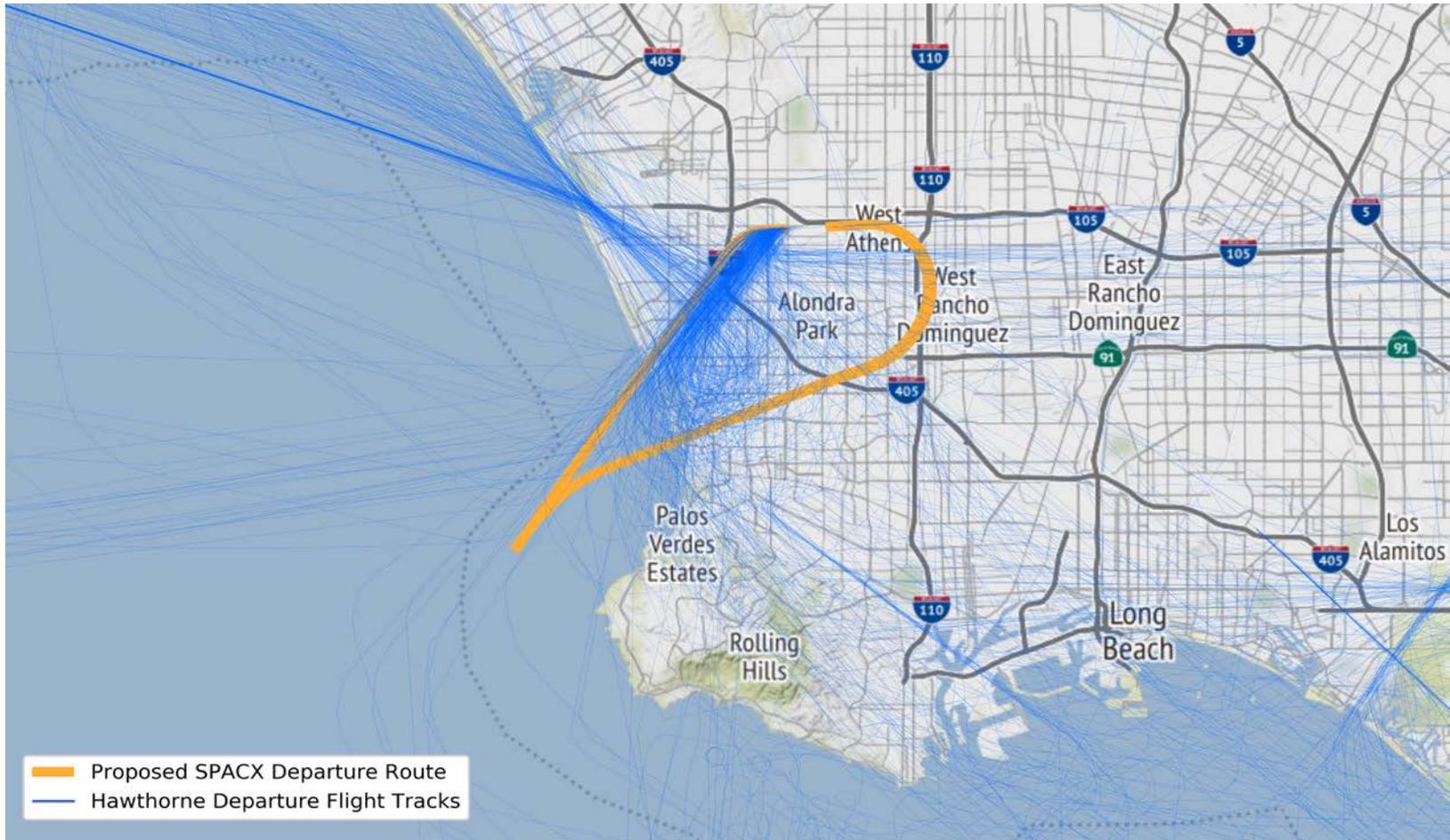
# Proposed SPACX Departure



NOTE: The orange lines, and their width, are for reference only and are not intended to depict a flight corridor or boundary



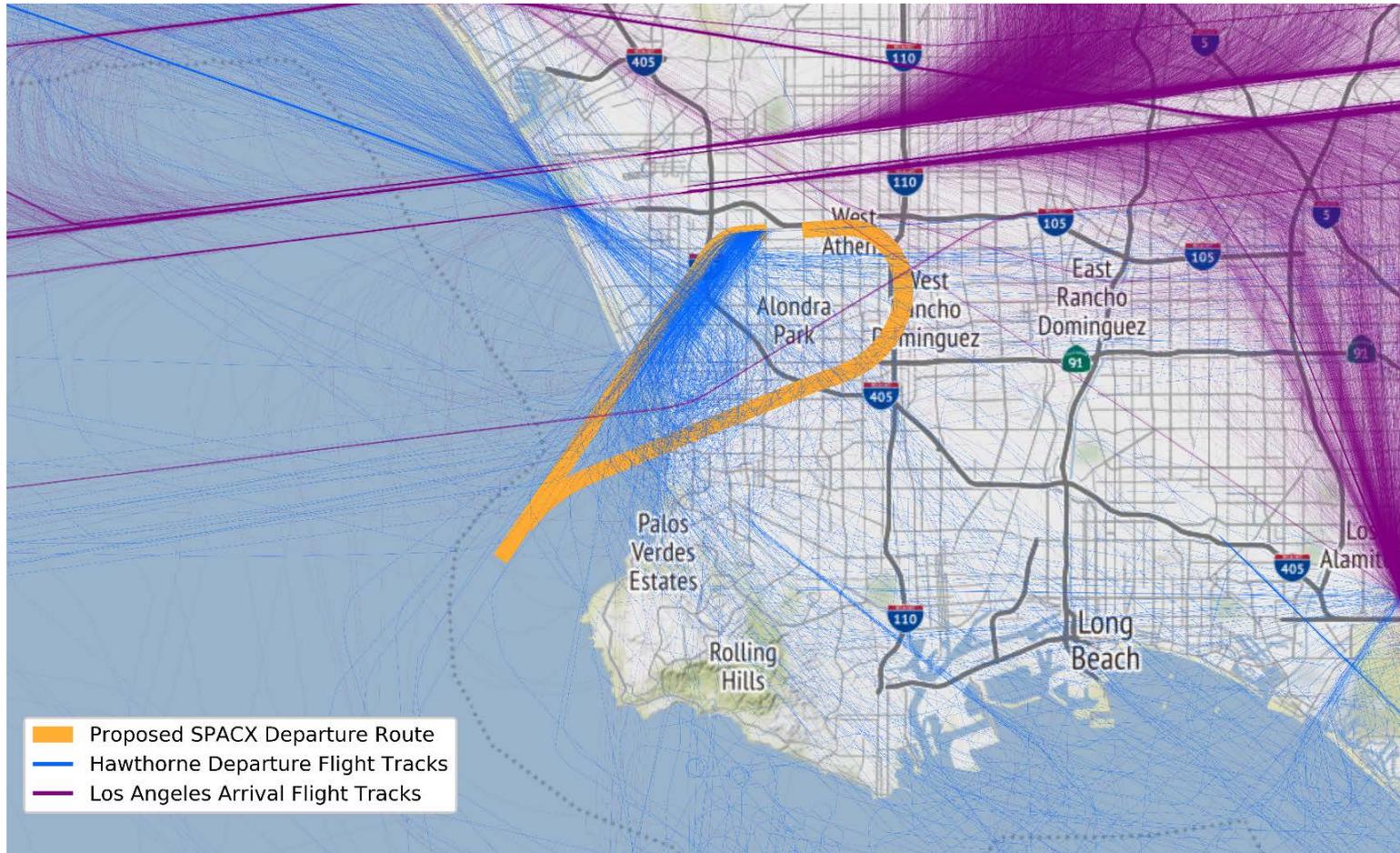
# Proposed SPACX Departure with Current Flight Tracks (30 random days)



NOTE: The orange lines, and their width, are for reference only and are not intended to depict a flight corridor or boundary



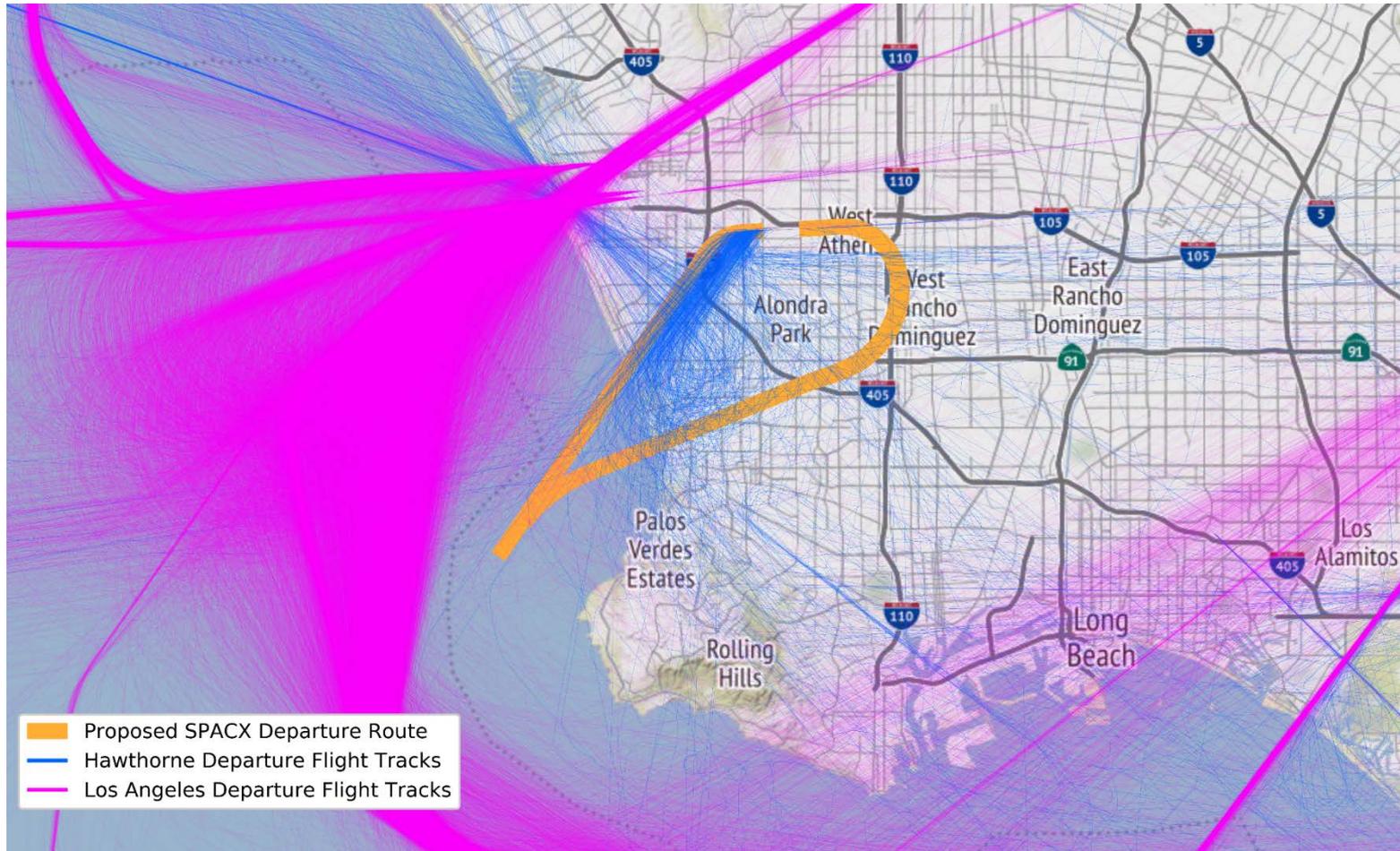
# Proposed SPACX Departure with LAX Arrivals (30 random days)



NOTE: The orange lines, and their width, are for reference only and are not intended to depict a flight corridor or boundary



# Proposed SPACX Departure with LAX West Flow Departures (30 random days)



NOTE: The orange lines, and their width, are for reference only and are not intended to depict a flight corridor or boundary

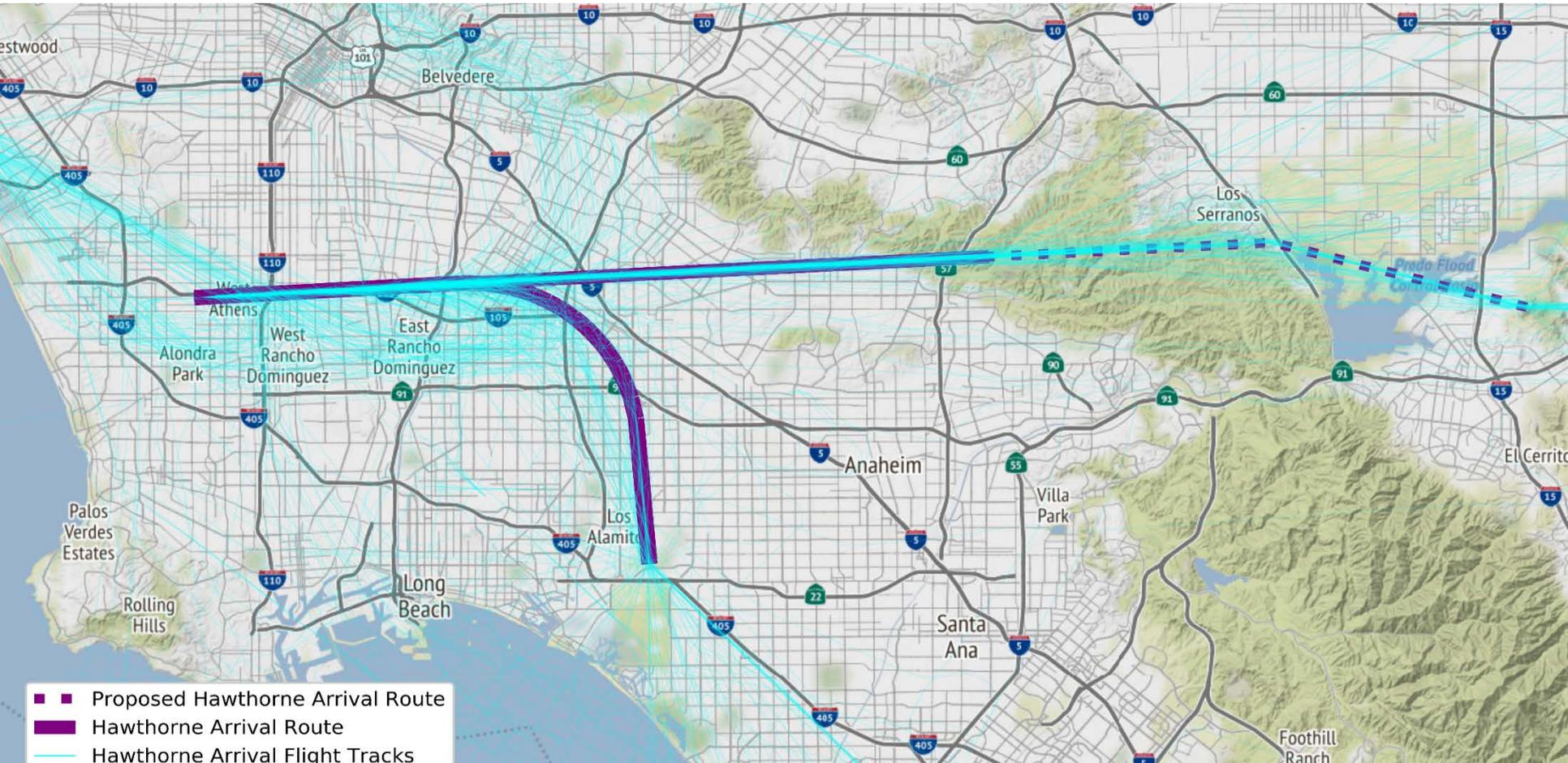


# RNAV (GPS) RWY 25 Amendment Overview

- **Establishment of a transition from the east.**
  - This transition will overlay where aircraft are currently being vectored.
- **Increase of the threshold crossing height.**
  - The increase is 12 feet, from 45 feet to 57 feet, and should not be noticeable.
  - This increase is required based on an obstacle re-evaluation.



# RNAV (GPS) RWY 25 Amendment (30 Random Days)



NOTE: The magenta lines, and their width, are for reference only and are not intended to depict a flight corridor or boundary



# Community Engagement Website

- [https://www.faa.gov/nextgen/nextgen\\_near\\_you/community\\_involvement/hhr/](https://www.faa.gov/nextgen/nextgen_near_you/community_involvement/hhr/)

