

# LAWA Request: Potential VNY (PPRRY) Replacement SIDs



Federal Aviation  
Administration



Los Angeles  
World Airports



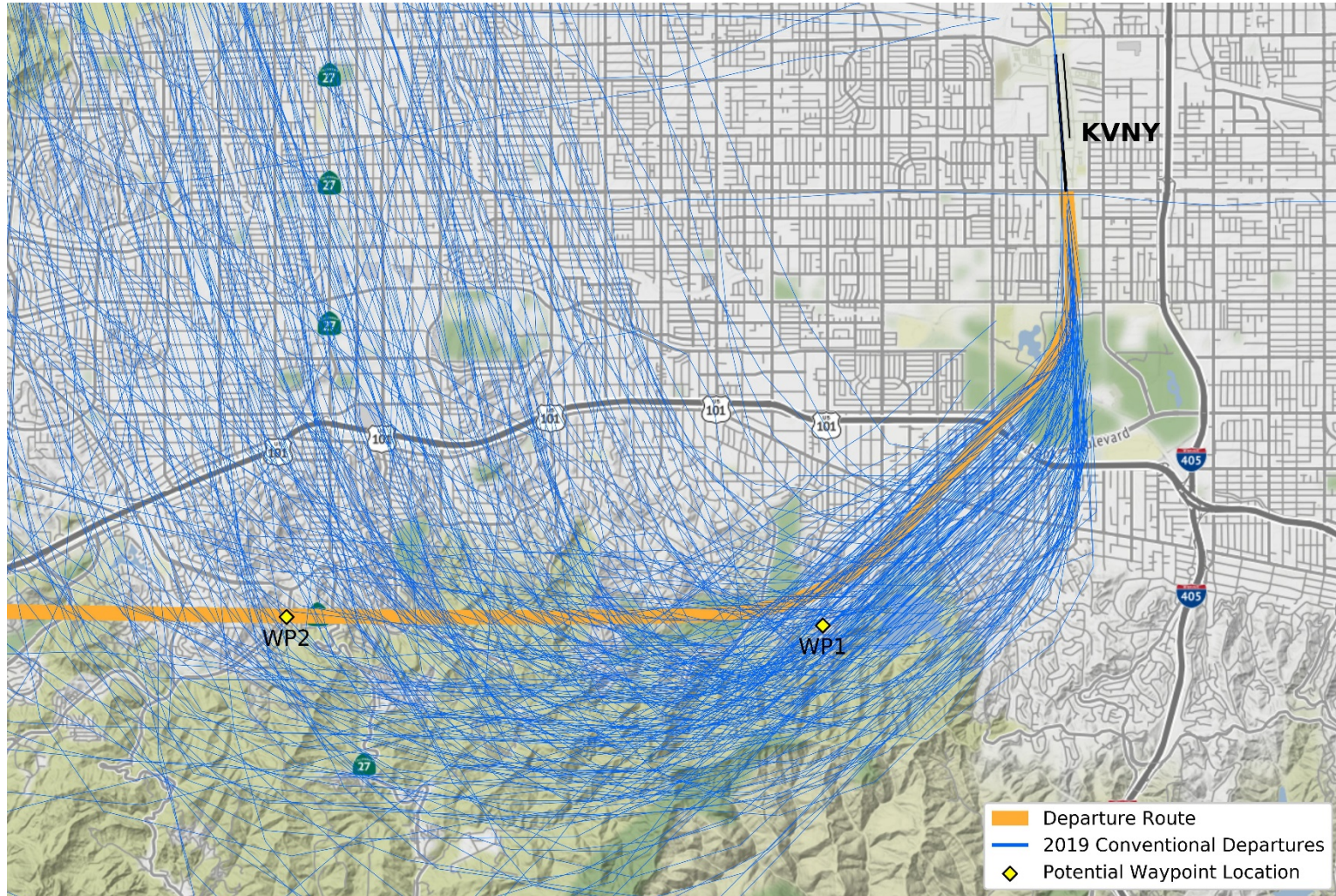
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# Goals:

- **Reduce the noise issues caused by the current south flow Area Navigation (RNAV) departure routes.**
- **Develop new RNAV departure routes that mirror the current conventional flight paths as close as possible.**



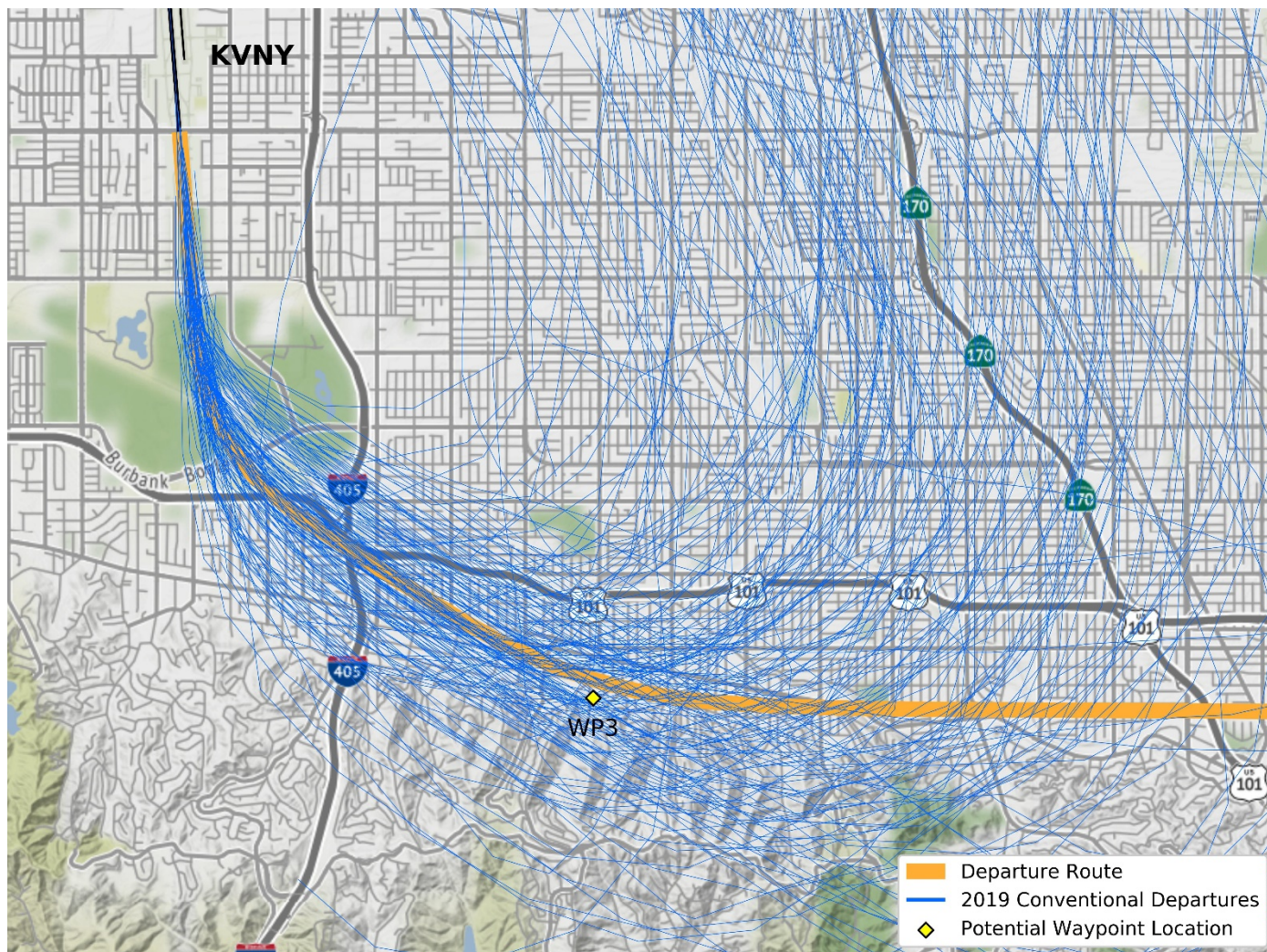
# May 1-14, 2019 (Simulated West Departure Tracks)



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



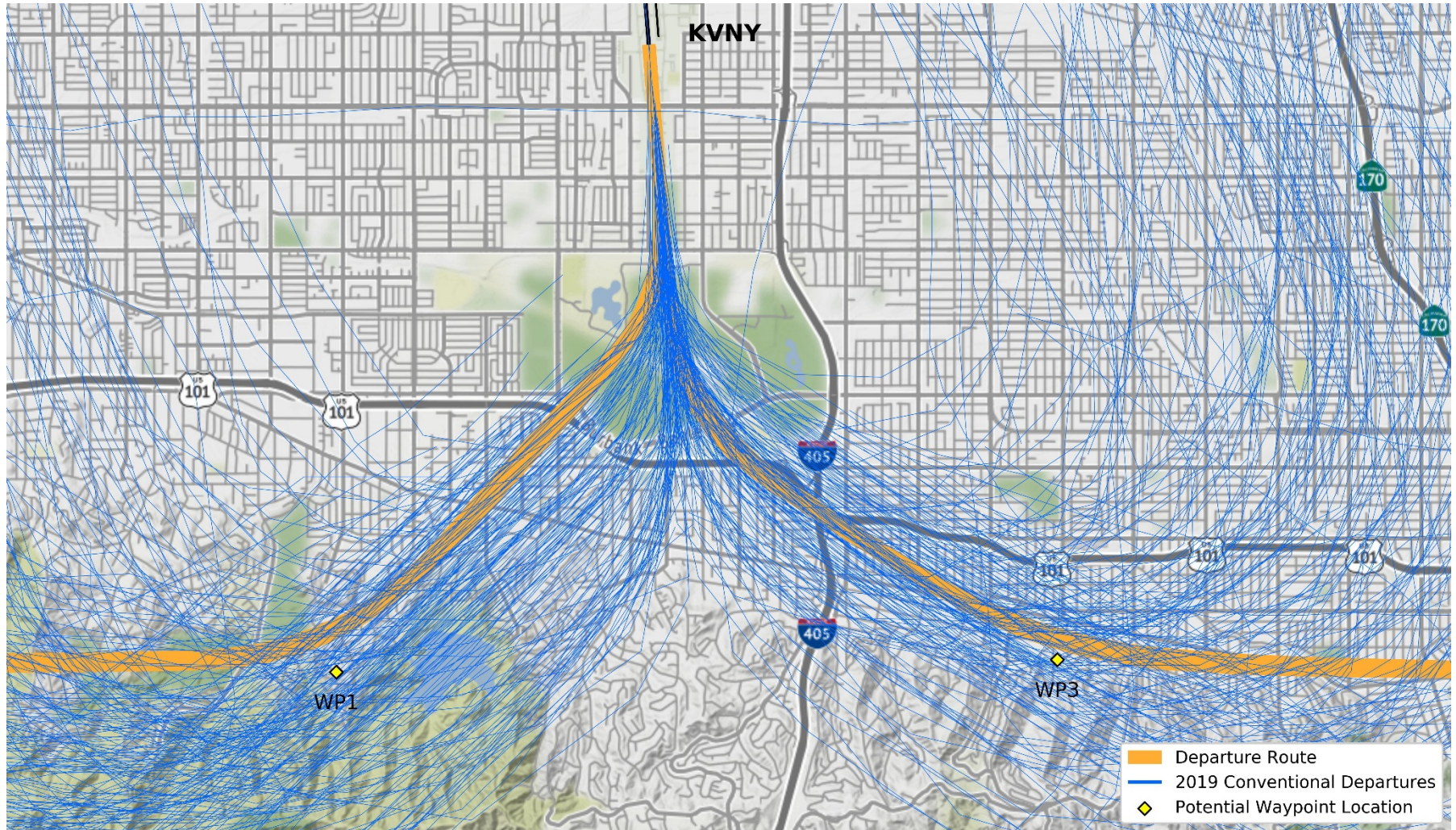
# May 1-14, 2019 (Simulated East Departure Tracks)



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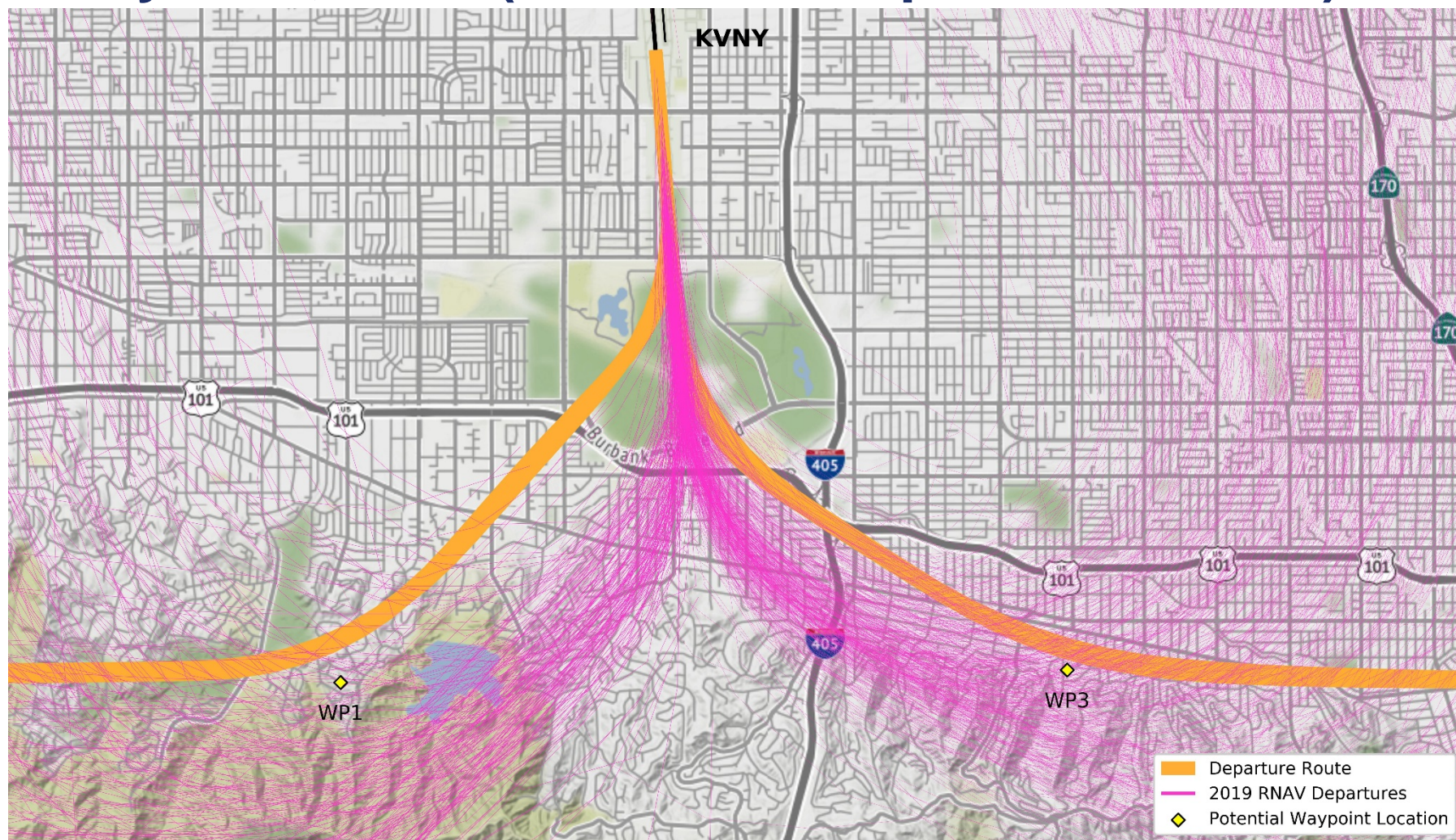
# May 1-14, 2019 (Simulated Departure Tracks)



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# May 1-14, 2019 (Simulated Departure Tracks)



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

# WLKCR Departure Route Description

- **WLKCR:**
  - Climb on heading 164 to intercept course 210 to *WP1 (Fly-By)\**,
  - Then on track 259 to cross *WP2 (Flyover)\** at or above 3300,
  - Then on heading 259 or as assigned by ATC, then on vectors to...
- **Takeoff Minimums: 16R: Standard with minimum climb of 600' per NM to 2500.**

\*NOTE: The Waypoints will be named during the design process

# HARYS and ROSCOE Departure Route Description

- **HARYS and ROSCOE:**
  - Climb on heading 164 to intercept course 110 to cross *WP3 (Fly-By)\** at or above 3000,
  - Then on heading 079 or as assigned by ATC,
  - Then on vectors to...
- **WP3's\* location is required to meet criteria.**
- **Takeoff Minimums: 16R: Standard with minimum climb of 600' per NM to 1500.**

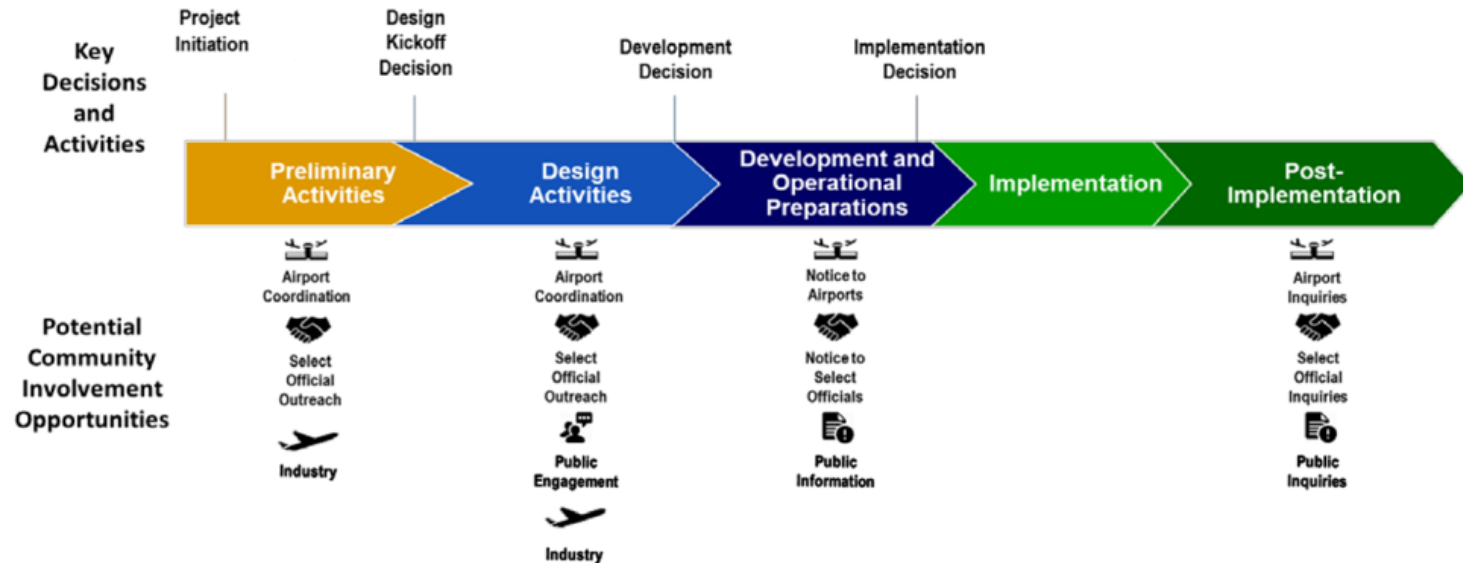
\*NOTE: The Waypoints will be named during the design process



# Required Approval Letters/Waivers

- **Approval Letter**
  - Climb Gradient will exceed 500 feet per Nautical Mile
- **Waivers**
  - Climb Gradient is above what is needed to clear obstacles or to reach Lateral Navigation Engagement altitude
  - Use of an “at or below” altitude at the departure end of the runway

# Performance Based Navigation Process Timeline



*Note: The need for and level of engagement will vary based on project circumstances*

- Any changes made to RNAV procedures are contingent upon successful completion of the JO 7100.41 Performance Based Navigation (PBN) process.