



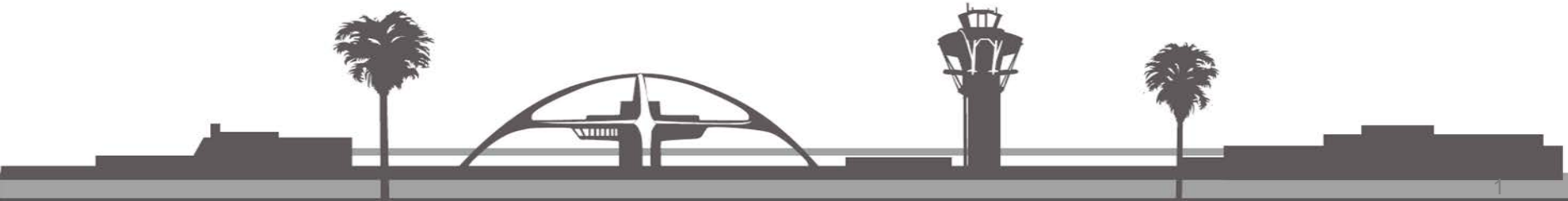
Los Angeles World Airports



FAA's Southern California Metroplex Project

LAWA Staff Update to LAX/Community Noise Roundtable

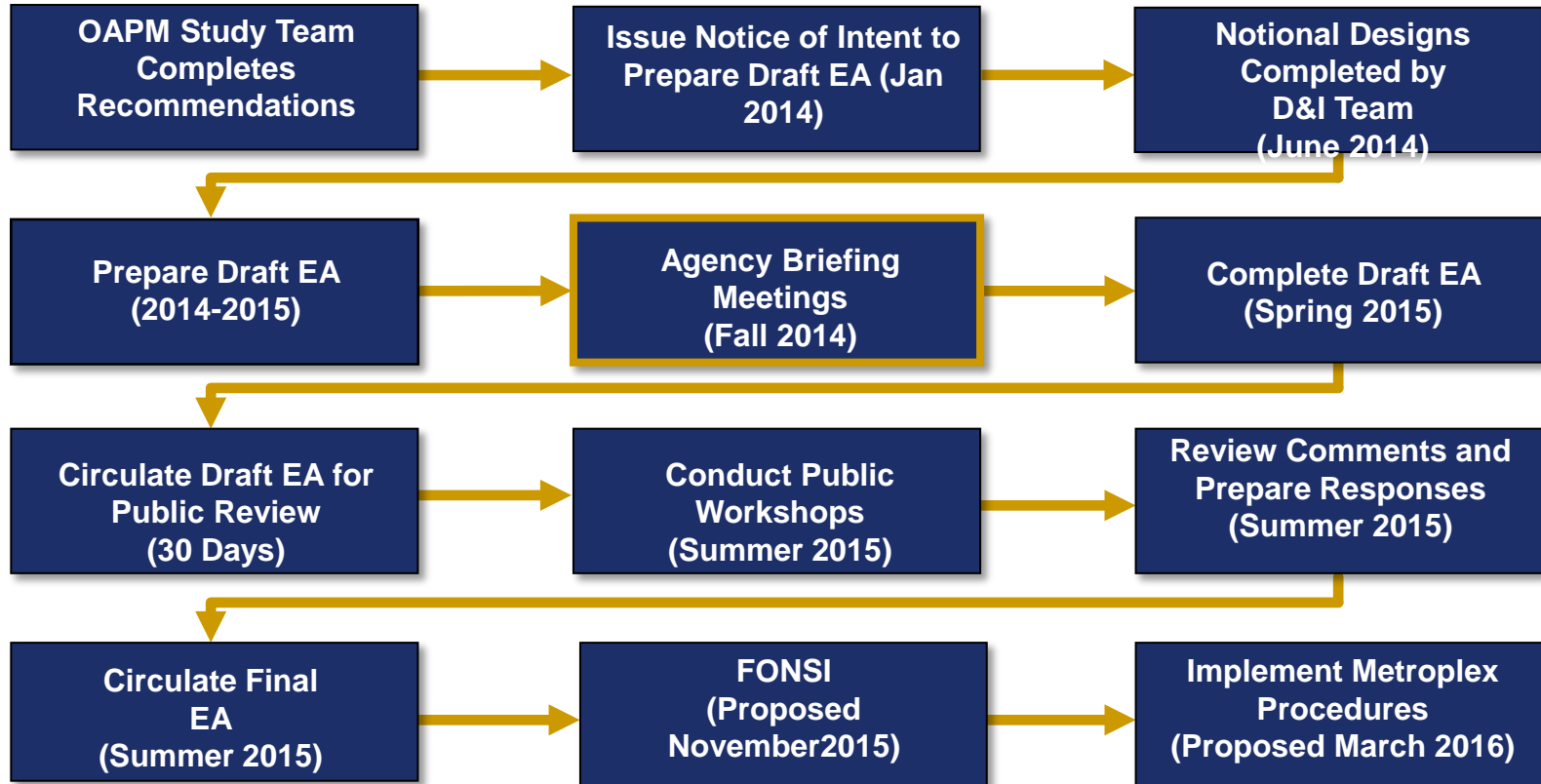
July 13, 2016



FAA Metroplex - Proposed Action

- Today, most airports still widely use ground-based navigation technologies to manage air traffic in the National Air Space (NAS)
- The movement to the next generation of aviation is shifting to smarter, satellite-based and digital technologies, along with new procedures that strive to make air travel more convenient, predictable and environmentally friendly
- FAA is now seeking to optimize airspace procedures and working to transition to a full Performance Based Navigation (PBN) by 2030
- FAA developed Metroplex Program to streamline implementation of PBN at larger metropolitan areas with complex airspace

FAA Metroplex Original Schedule

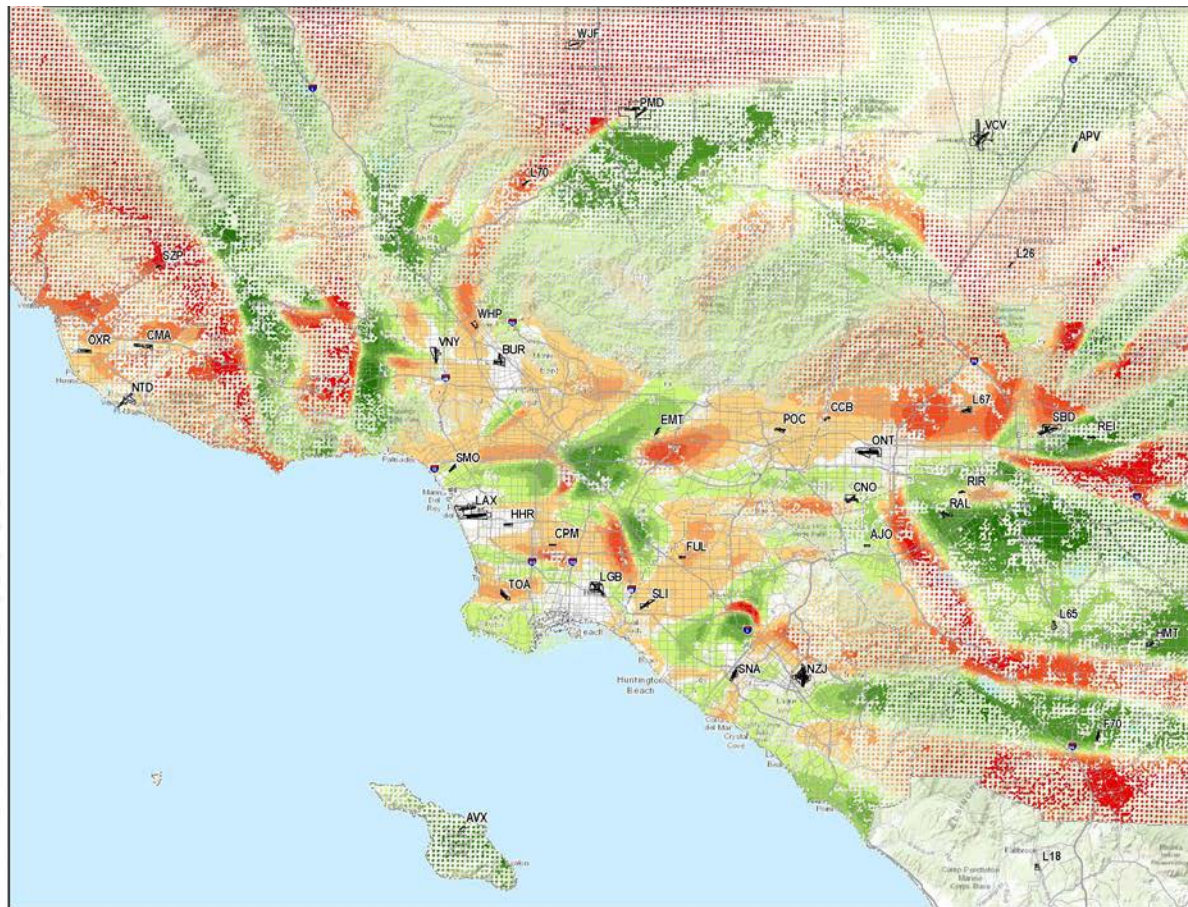


- September 2012 – RT Sent Letter to FAA: Seeking support for addressing Work Program items, including:
 - Extended Downwind Approach; Turboprop Community Overflights; Improperly Flown Loop Departures; Early Turns; and Continuous Descent Approach Altitudes
- January 2014 - FAA Responded to RT Letter:
 - Apologized for delay (sequestration, furloughs, funding, etc.)
 - Confirmed receipt of comments for consideration during the design process
 - Stated FAA's primary mission - to promote safe and efficient use of the NAS
 - FAA Modernization and Reform Act of 2012 – Accelerated Implementation of PBN
 - OAPM (or Metroplex) is that accelerated process, and will further this mission thru implementation of optimized procedures that will not result in significant noise impacts

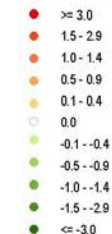
- June 8, 2015 – Draft Environmental Assessment (EA) Released and 30-day Public Comment Period
- June 11, 2015 – RT Letter to FAA: Requesting 30-day Extension on Public Comment
- July 1, 2015 – LAWA Letter to FAA: Requesting 60-day Extension on Public Comment, and additional information to be provided.
- July 8, 2015 – LAWA Presentation to RT on EA with Comment Letter Recommendations
- July 8, 2015 – FAA Extends Comment Period to September 8, 2015
- September 2, 2015 – RT Formal Comment Letter addressing several areas of concern:
 - Shifting noise from one community to another
 - Exposing new residential areas to aircraft overflights
 - Lowering aircraft altitudes over communities
 - Concentration of flights
 - Post-implementation adjustments
 - SMO de-confliction to alleviate departure delays
 - Noise metrics used (CNEL in CA)
 - Information provided in the EA insufficient to assess potential impacts
 - Prior recommendations from 9/24/12 letter

- September 8, 2015 – FAA Extends Comment Period to October 8, 2015 (120 day extension)
- September 8, 2015 - LAWA Comment Letter: Requests additional supplemental information and time, continued and expanded outreach, and use of CNEL metric
- October 8, 2015 – 2nd LAWA Comment Letter: Suggests further outreach, ***including noise maps provided by LAWA***
- October 8, 2015 – Formal Comment Period Closed

Noise Map - Changes in Noise Levels



Change in dB DNL



--- County Boundary

There are changes as high as 9.0 dB DNL, but since they are outside of the 45 DNL, they are not reported in the EA

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

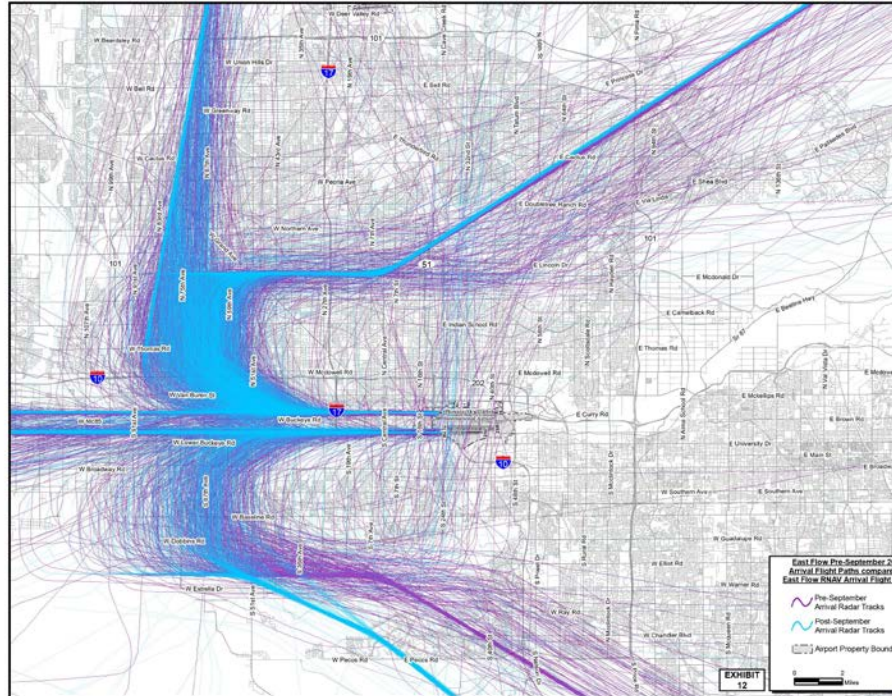
http://www.metroplanning.com/calocal_metroplex/bocal_docs.html



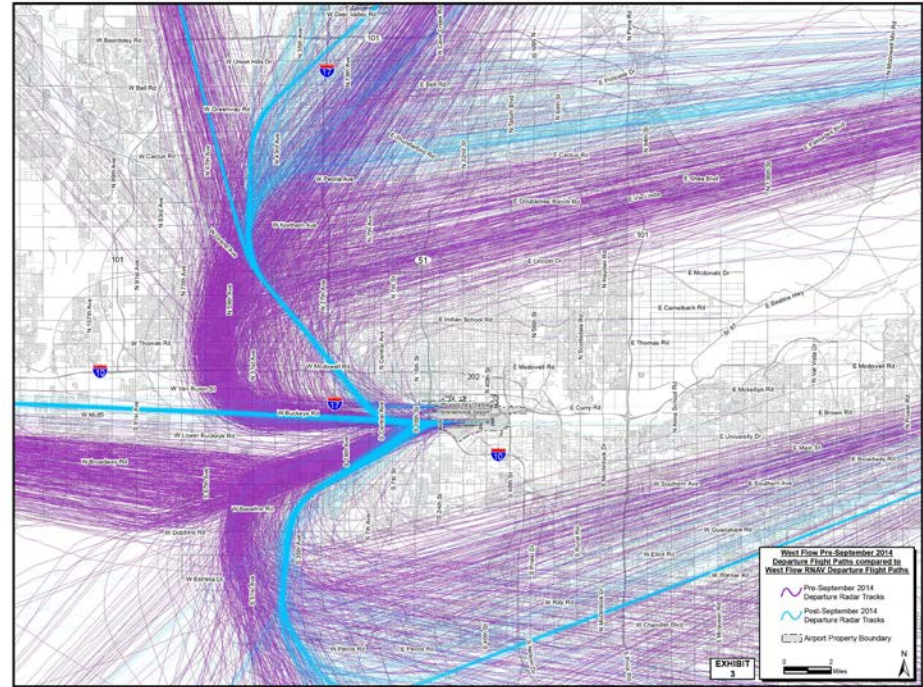
- May 2015 - LAWA Website
- May 2015 - LAWA Fact Sheet
- May 27, 2015 – LAWA-Hosted Elected Officials Briefing
- June/July 2015 - Mayor’s Office Staff Briefing
- Summer 2015 - City Council Staff Briefings
- June 2016 - Congressional Briefing (Bass and Lieu)
- June 2016 - City Council IGTC&T Committee (filed in Full Council)

Phoenix – Before and After RNAV

Before & After September 18, 2014 Flight Path Arrivals from the West



Before & After September 18, 2014 Flight Departures to the West



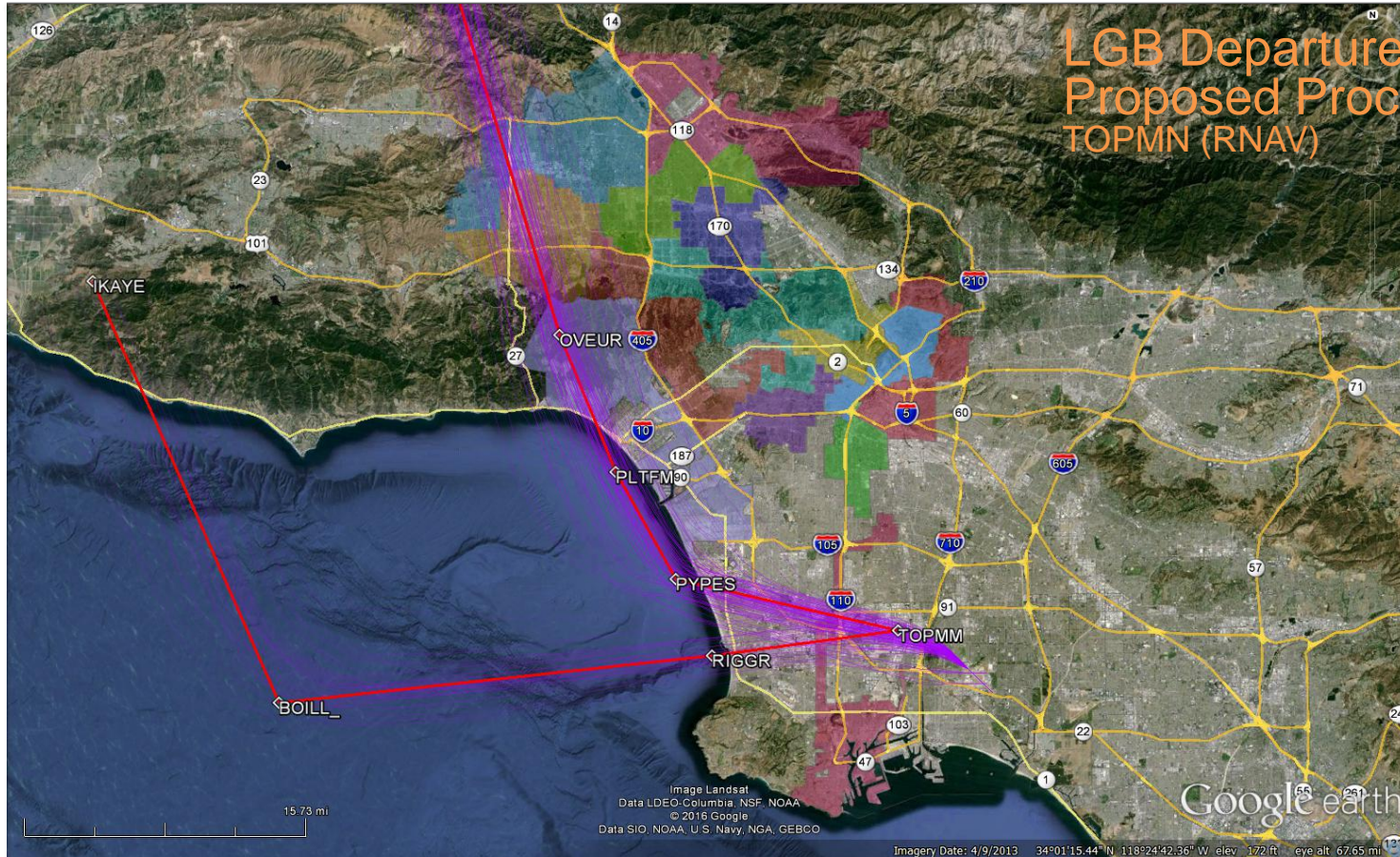
LAWA Outreach (Congressional Offices)



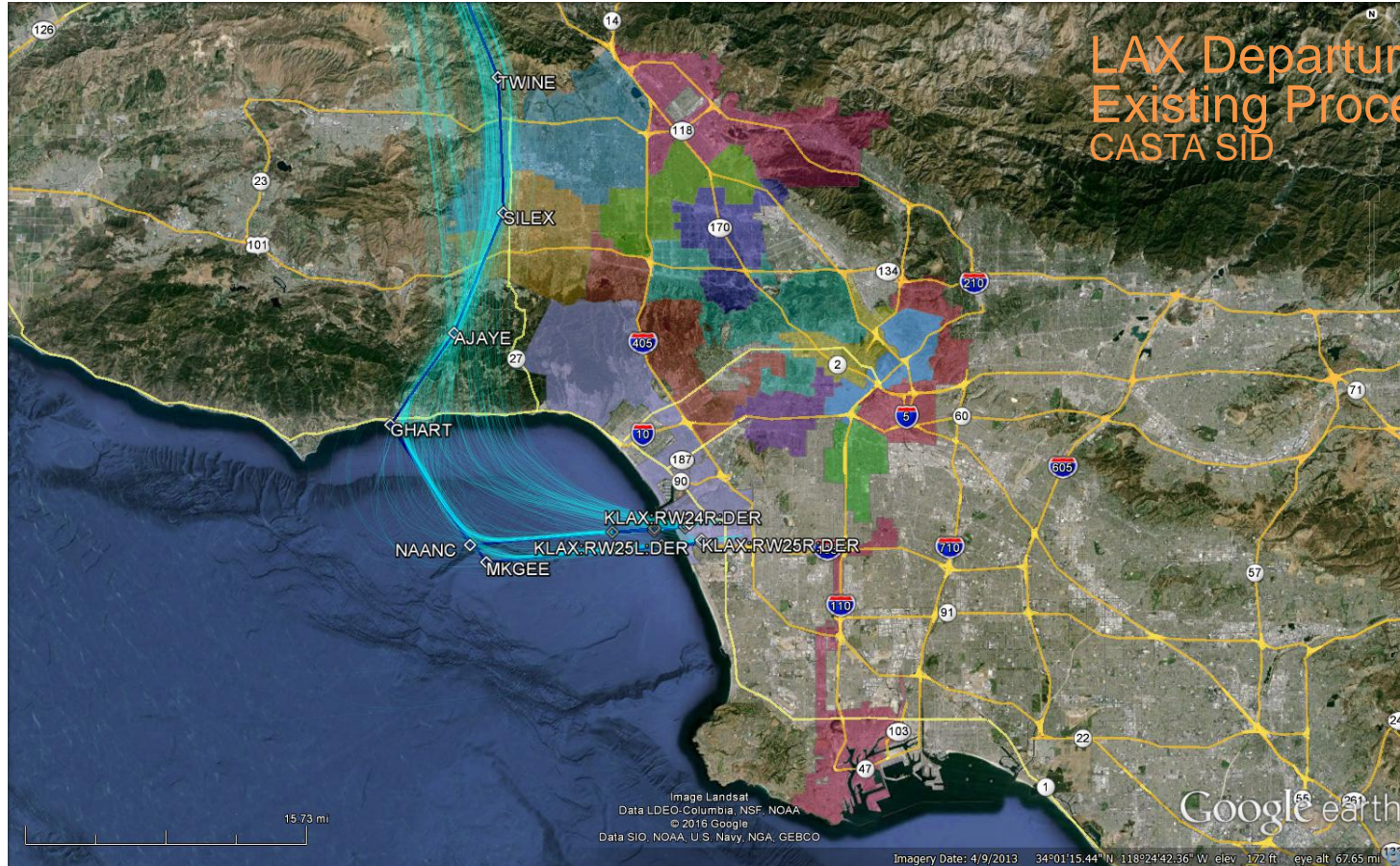
LAX Arrival Procedure
Existing Procedure
SADDE
Proposed Procedure
CRSHR and IRNMN RNAVs and RNP

Shaded Areas: Congressional Districts 33 and 37

LAWA Outreach (City Council)

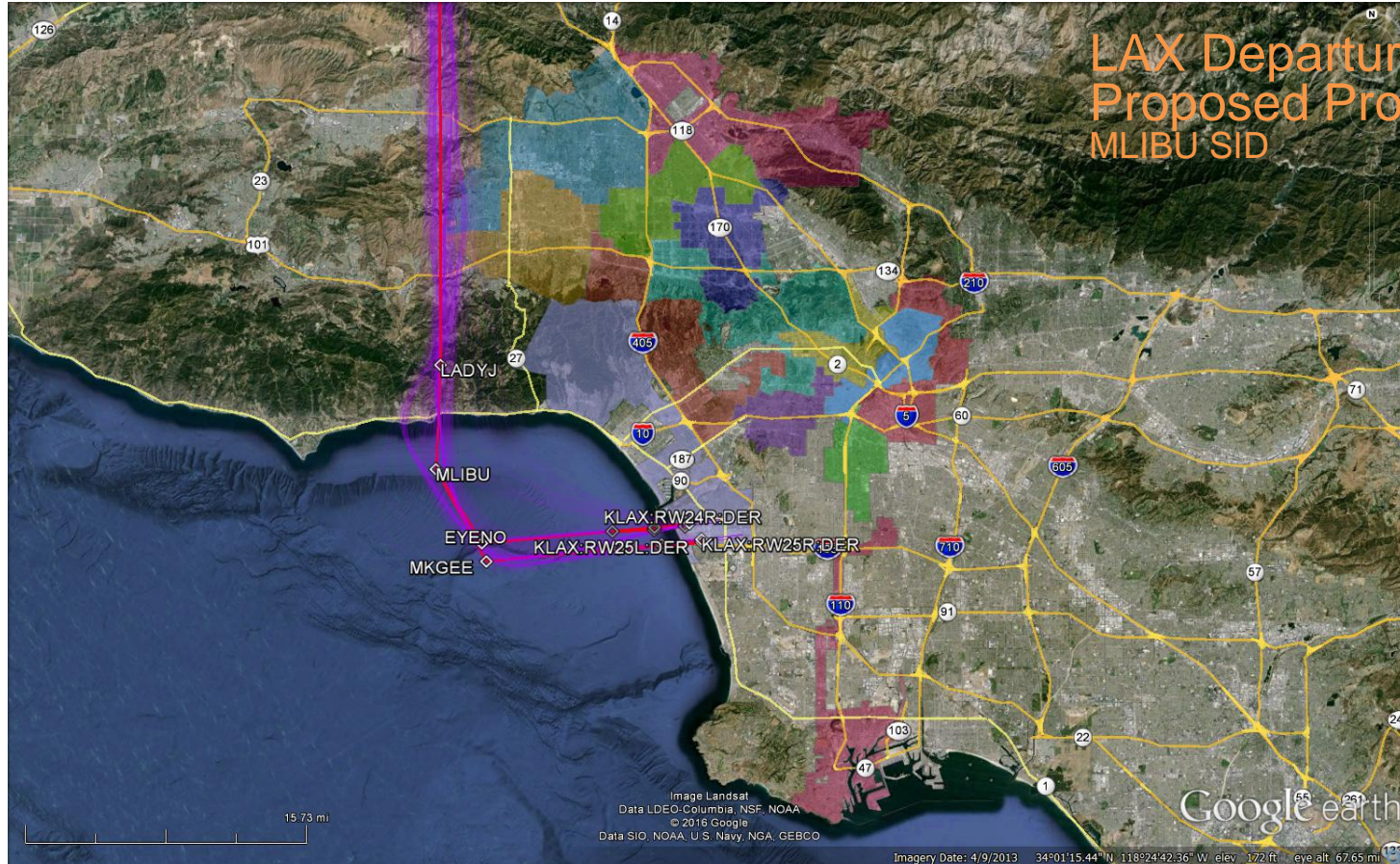


LAWA Outreach (City Council)



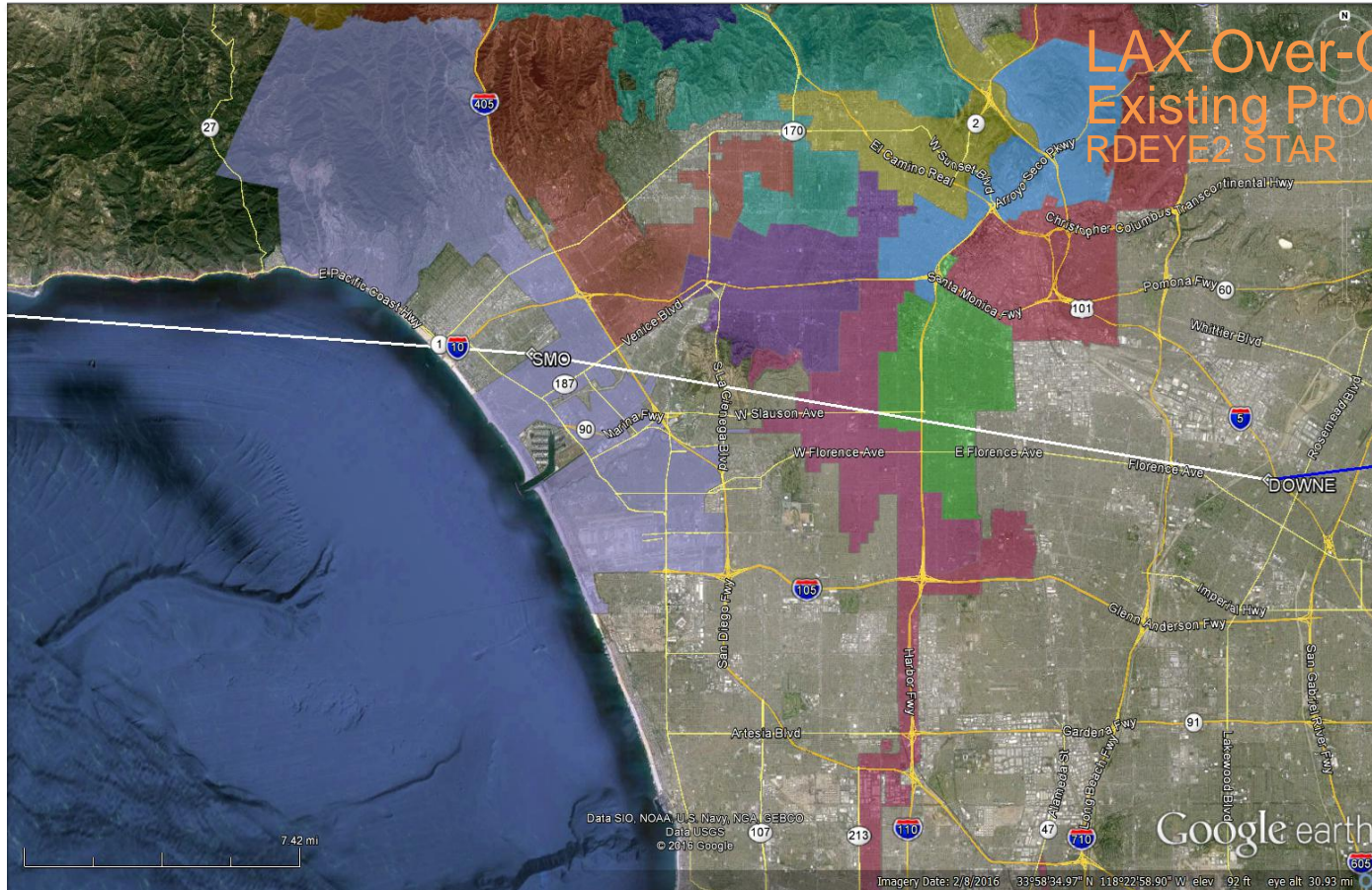
LAX Departure Procedure
Existing Procedure
CASTA SID

LAWA Outreach (City Council)



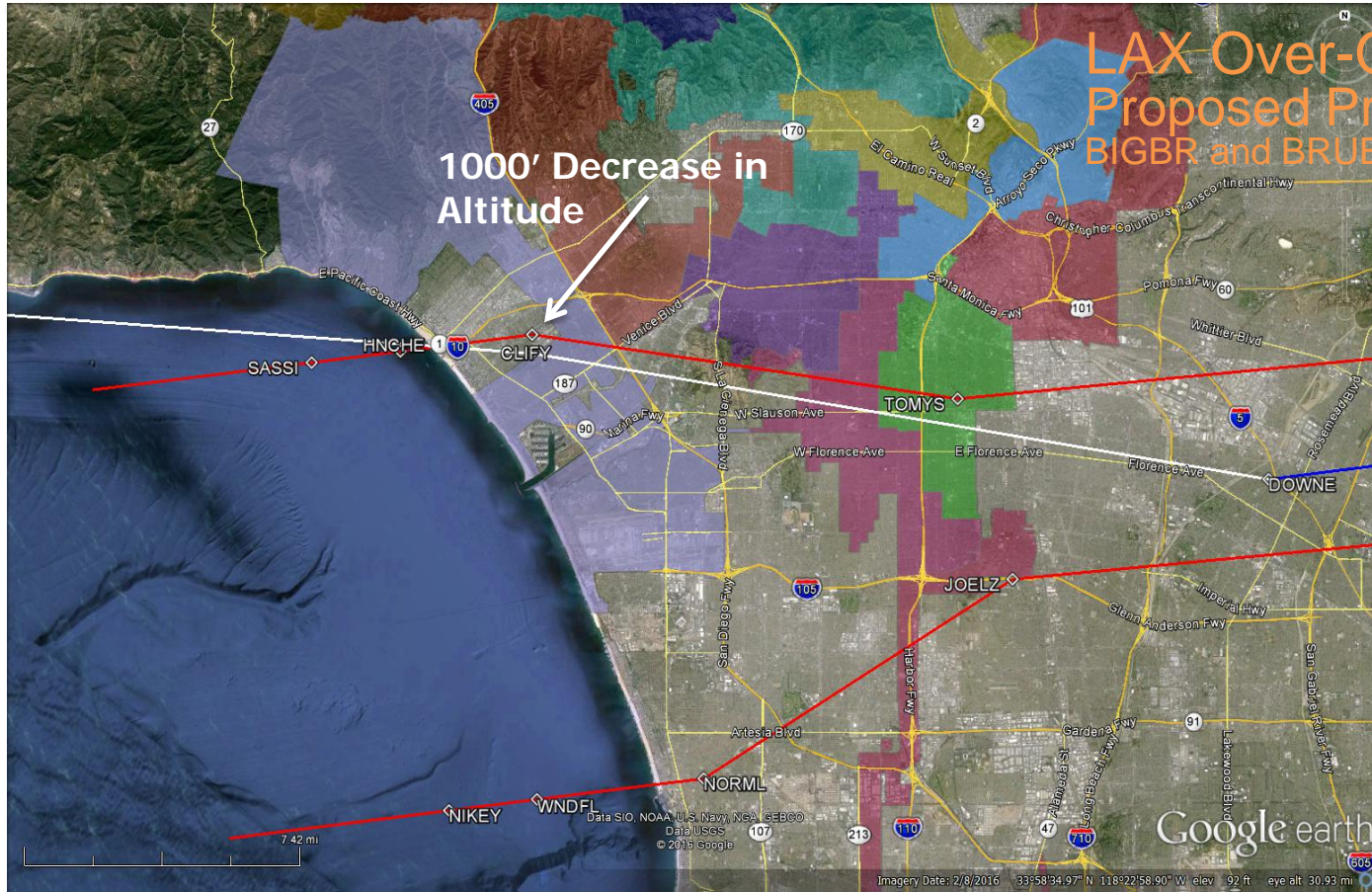
LAX Departure Procedure
Proposed Procedure:
MLIBU SID

LAWA Outreach (City Council)



LAX Over-Ocean Arrivals
Existing Procedure
RDEYE2 STAR

LAWA Outreach (City Council)



LAX Over-Ocean Arrivals
Proposed Procedure
BIGBR and BRUEN STARS

Next Steps

- LAWA continuing to review available materials
- Additional potential briefings being planned (beyond LAX Roundtable):
 - SCAG
 - Neighborhood councils
 - Council offices
 - Other elected representatives
- FAA response to comments and Final EA – tentatively summer 2016
- Schedule for implementation (in 2 or 3 phases) – based on charting cycles
 - November 2016
 - April 2017
 - May 2017



Los Angeles World Airports



Thank You

