



# **Palmdale to Los Angeles High-Speed Train Project EIR/EIS**

## **Preliminary Alternatives Analysis**

**Presented to California High-Speed Rail Authority Board  
July 8, 2010**



# Preliminary Alternatives Analysis

- Preliminary Alternatives Analysis posted at [www.cahighspeedrail.ca.gov](http://www.cahighspeedrail.ca.gov)
- Evaluated alignments and stations from scoping (2007 - present)
- LAUS to SR 134 initial presentation to Board on June 9, 2009
- Preliminary AA includes input since 2009 and now includes Palmdale to Los Angeles
- Technical studies – e.g., alignment alternatives from LAUS and station options throughout San Fernando Valley
- Extensive agency, elected official and stakeholder outreach



# Agency and Stakeholder Meetings

<b>Interagency (Local and Transportation) Meetings</b>	<b>March 5, 2008, March 6, 2008, August 17, 2009, February 22, 2010</b>
<b>Resource Agency Meeting 404 NEPA Meeting</b>	<b>February 22, 2010</b>
<b>Stakeholder Working Group Meetings</b>	<p><b>May 6, 2008</b></p> <p><b>February 2010</b>            -SR 134 to Sylmar/40 attendees            -Santa Clarita to Palmdale/40 attendees            -Burbank/25 attendees</p> <p><b>June 2010</b>            -SR 134 to Sylmar/15 attendees            -Santa Clarita to Palmdale/25 attendees            -Burbank/20 attendees</p>
<b>City of Los Angeles, Mayor's Office</b>	<b>March 7, 2007, December 17, 2009, February 24, 2010, May 5, 2010, May 20, 2010, May 26, 2010, June 3, 2010, July 1, 2010</b>
<b>Metro</b>	<b>May 1, 2008, May 22, 2008, November 18, 2009, November 30, 2009, December 4, 2009, December 15, 2009, January 12, 2010, February 9, 2010, March 8, 2010, March 31, 2010, April 6, 2010, April 8, 2010, May 10, 2010, May 11, 2010, May 13, 2010, May 20, 2010, June 8, 2010, June 22, 2010, July 1, 2010</b>



# Corridor City Staff and Council Workshops

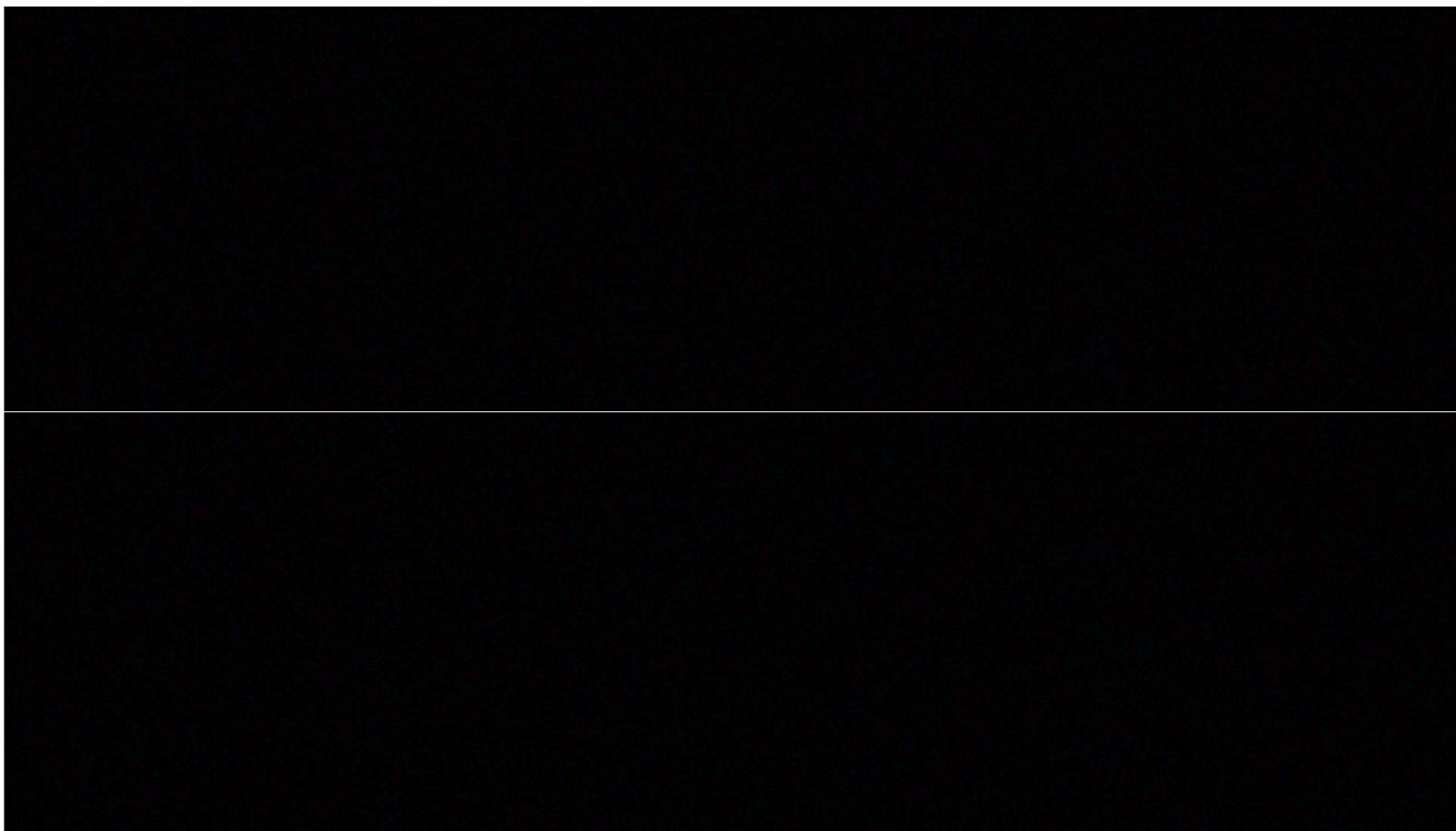
<b>City of Los Angeles Planners and LADOT (downtown)</b>	<b>April 2, 2008, January 14, 2010, February 11, 2010, February 22, 2010, March 24, 2010, July 1, 2010</b>
<b>City of Glendale</b>	<b>May 11, 2009, July 6, 2009, February 9, 2010, December 21, 2009, May 3, 2010</b>
<b>City of Burbank</b>	<b>March 13, 2007, June 24, 2008, February 23, 2009, May 27, 2009, December 22, 2009, February 2, 2010, March 2, 2010, March 18, 2010, May 10, 2010</b>
<b>City of San Fernando</b>	<b>March 9, 2007, June 16, 2009, December 21, 2009, January 19, 2010, February 1, 2010, March 15, 2010, May 11, 2010, May 26, 2010</b>
<b>City of Los Angeles Planners and LADOT (Valley)</b>	<b>July 2, 2009, July 16, 2009, December 17, 2009, February 24, 2010, May 26, 2010</b>
<b>City of Santa Clarita</b>	<b>September 2, 2008, February 10, 2010, May 4, 2010, May 25, 2010</b>
<b>City of Palmdale</b>	<b>April 4, 2007, July 9, 2009, December 16, 2009</b>
<b>Acton Town Council</b>	<b>May 21, 2007, October 14, 2009, February 1, 2010, May 17, 2010 (with Agua Dulce Town Council)</b>



## **Elected Official and Community Meetings**

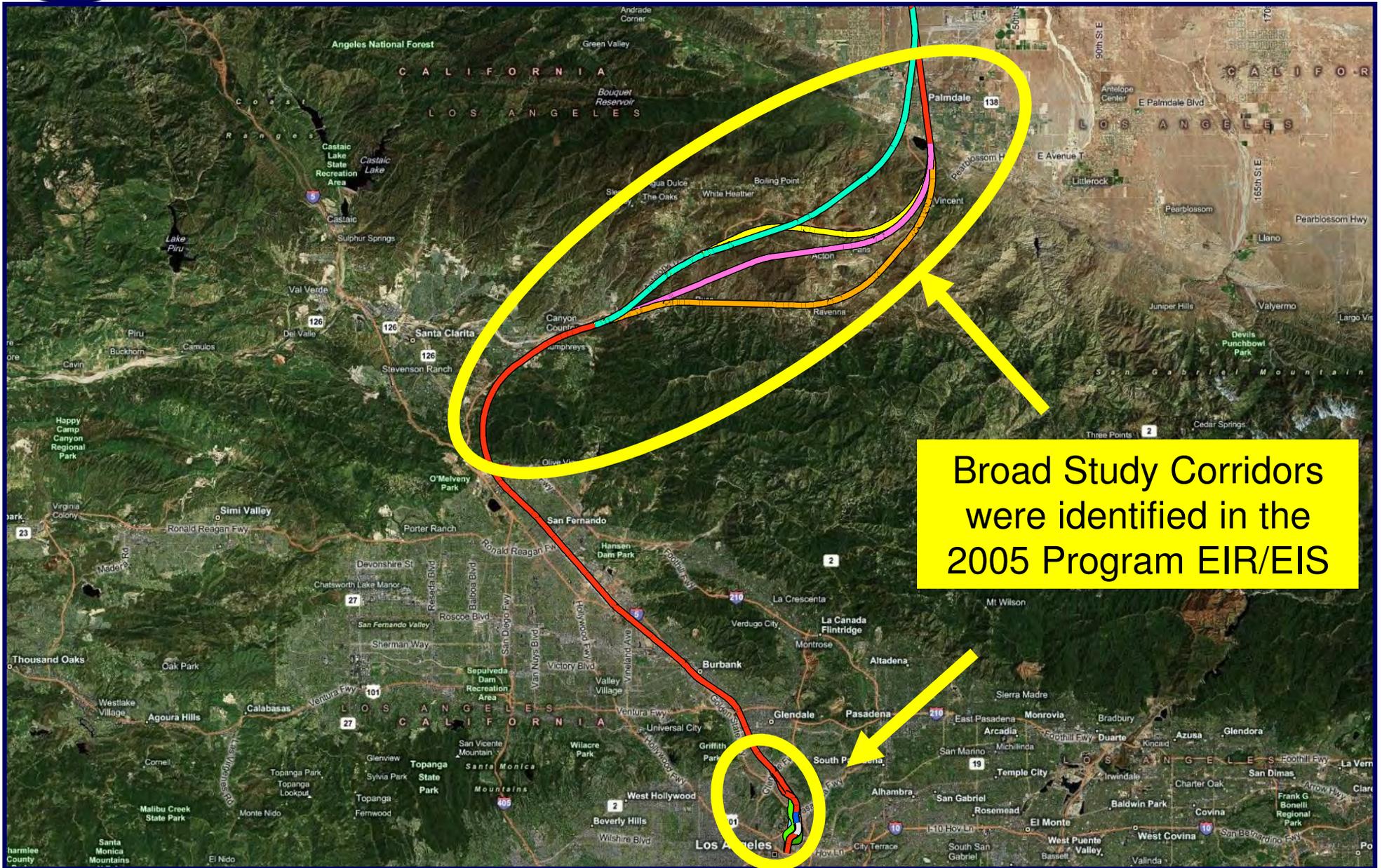
**Since the 2007 Scoping Meetings, more than 300 presentations and briefings have been held reaching stakeholders throughout the corridor including:**

- Elected Officials**
- Chambers of Commerce**
- Neighborhood Councils / Homeowners Associations**
- Community and Business Organizations**
- Trade Organizations**
- Environmental Justice Groups**



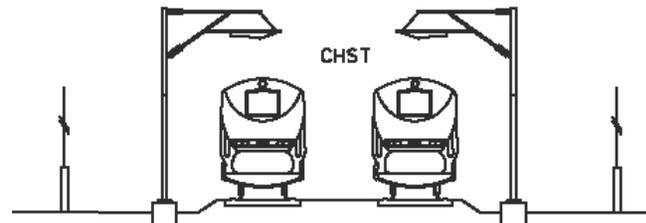
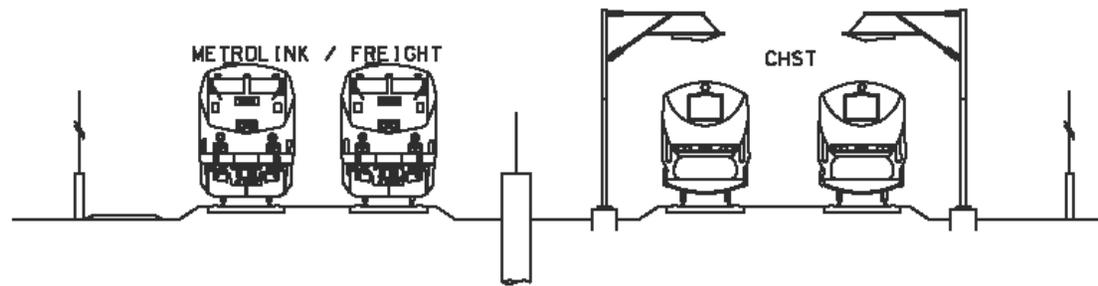


# Los Angeles to Palmdale Study Area





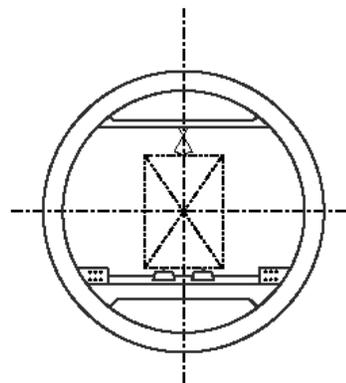
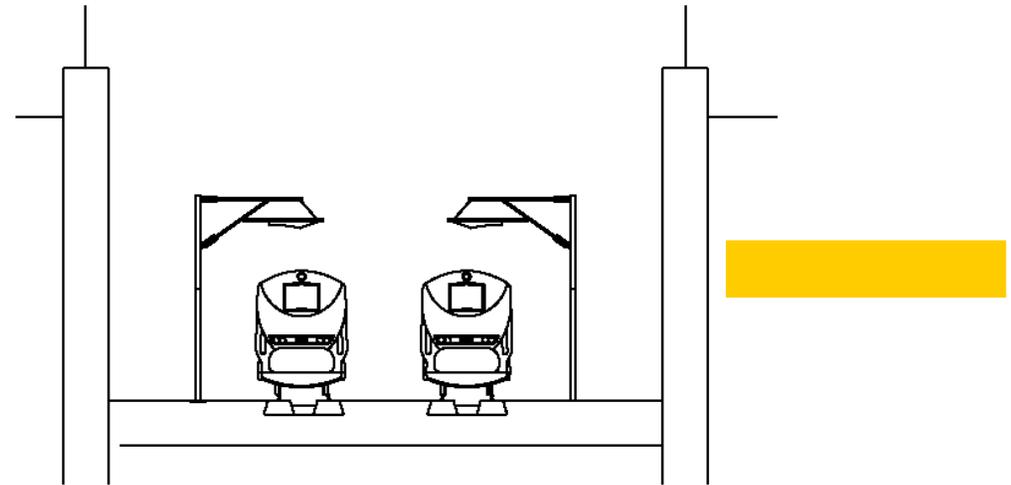
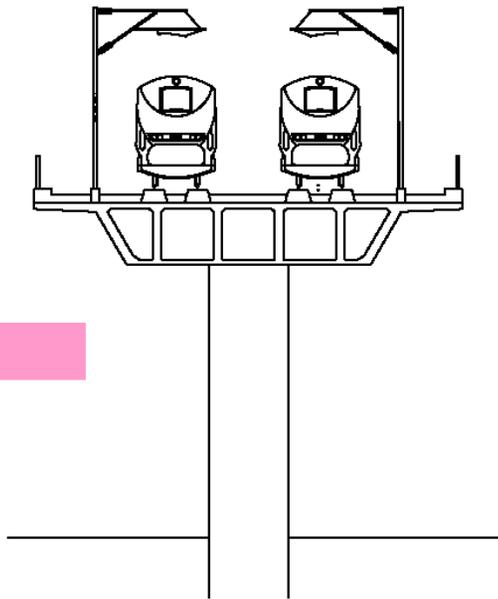
# Typical Sections



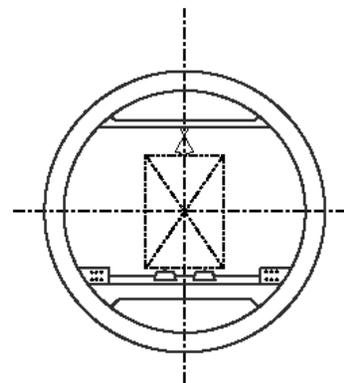
	Viaduct
	At Grade
	Trench
	Tunnel



# Typical Sections



SOUTHBOUND TUNNEL



NORTHBOUND TUNNEL



-  Viaduct
-  At Grade
-  Trench
-  Tunnel



# LAUS to SR 2 Study Area



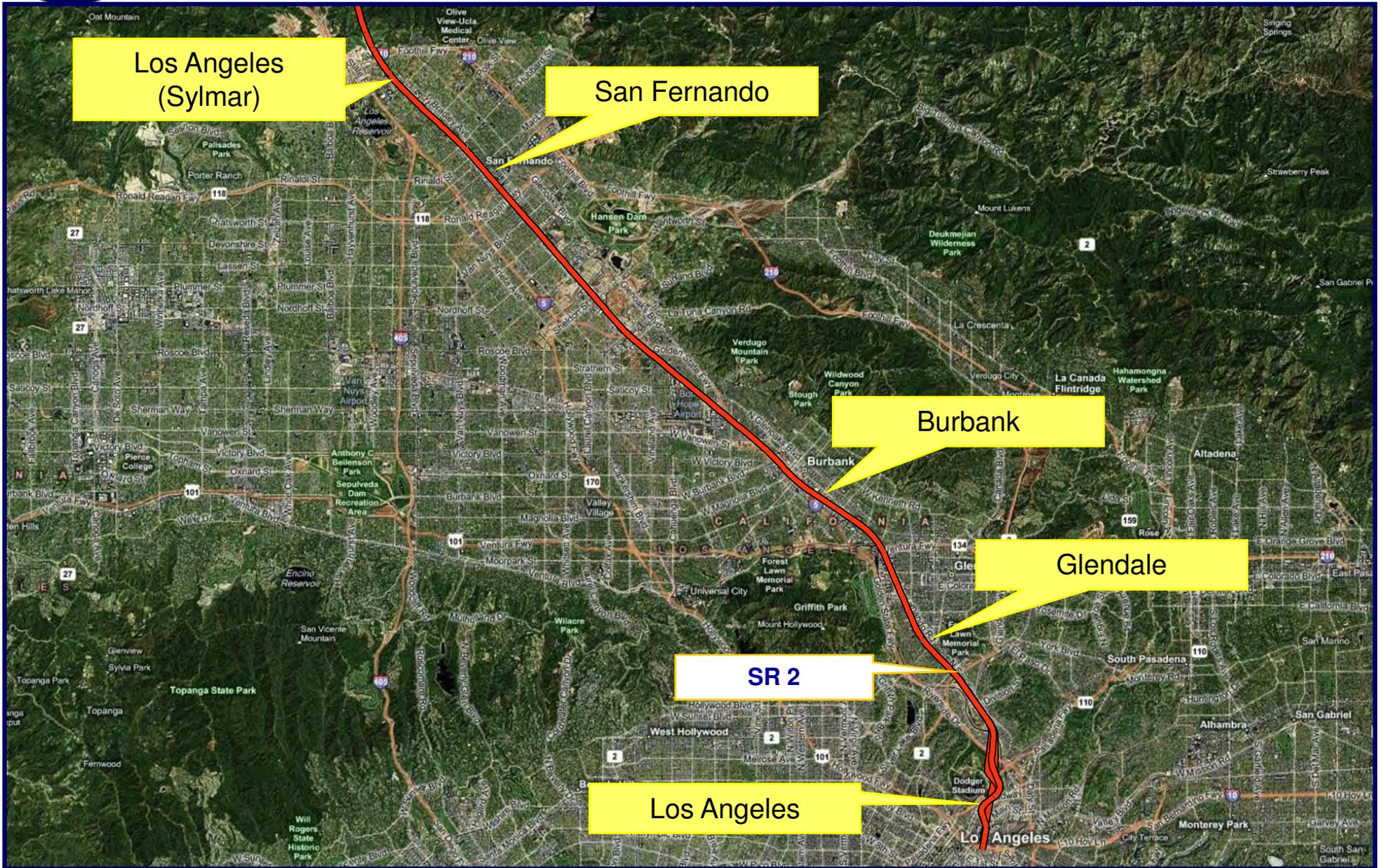


# LAUS to SR2 Alignment Alternatives





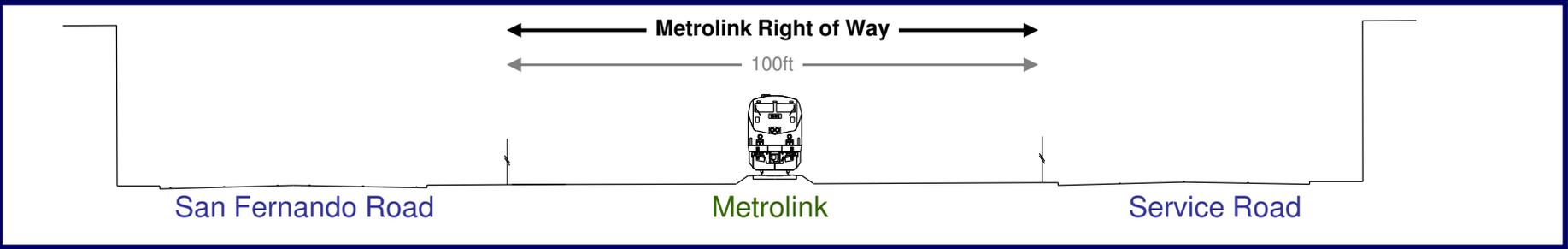
# SR 2 to Sylmar Study Area



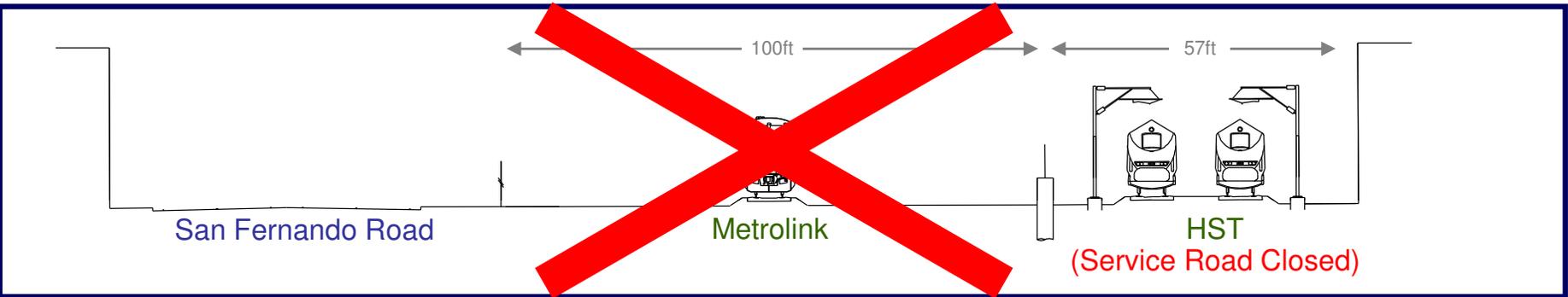


# Studied Alternatives

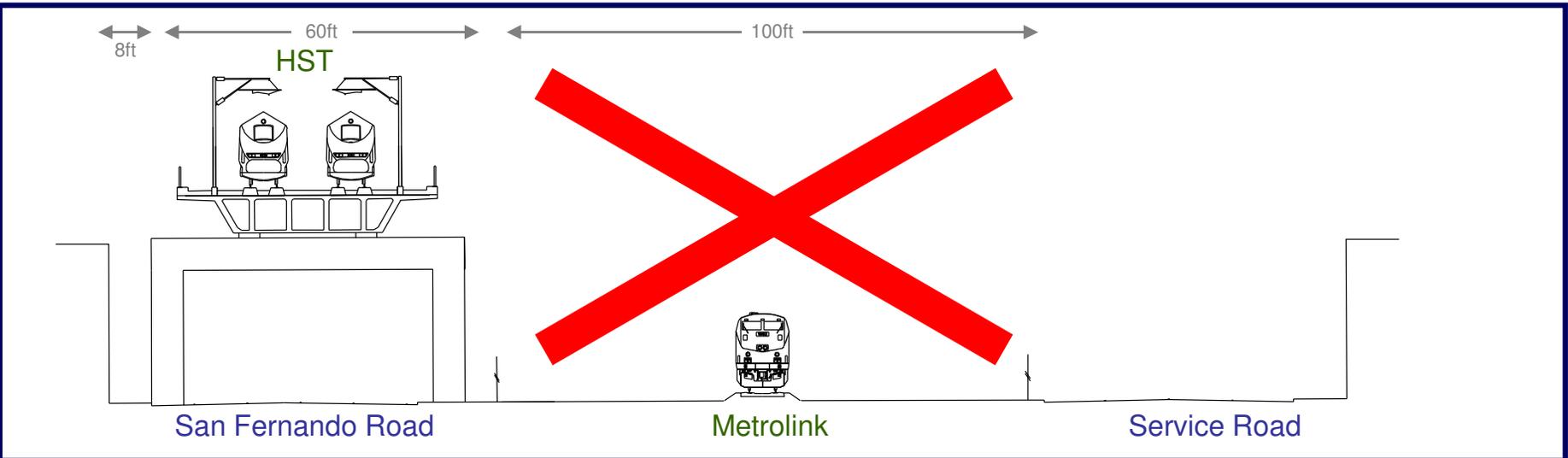
Existing



HST outside existing ROW on east side



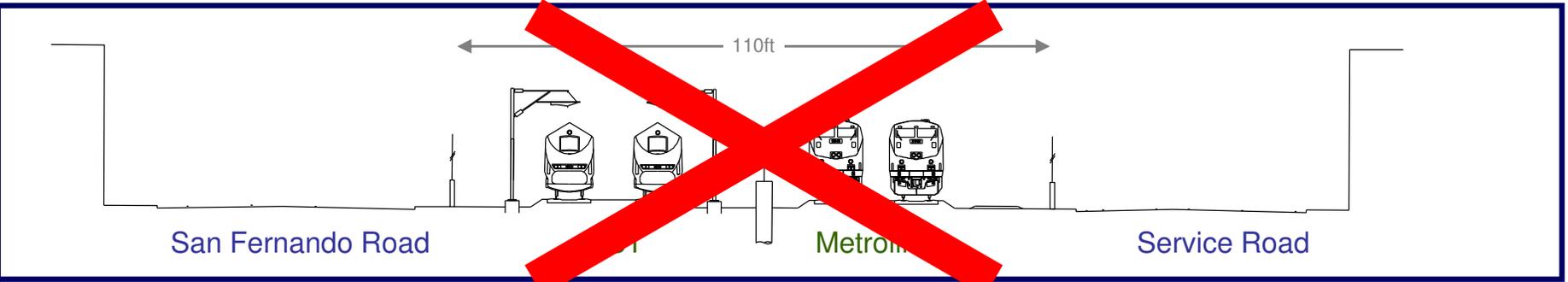
HST outside existing ROW on west side



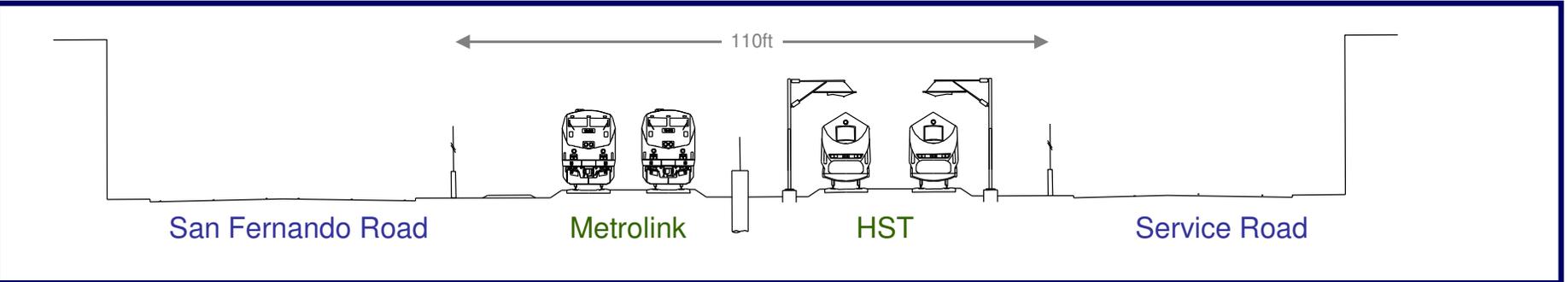


# Studied Alternatives

HST and Metrolink share right of way

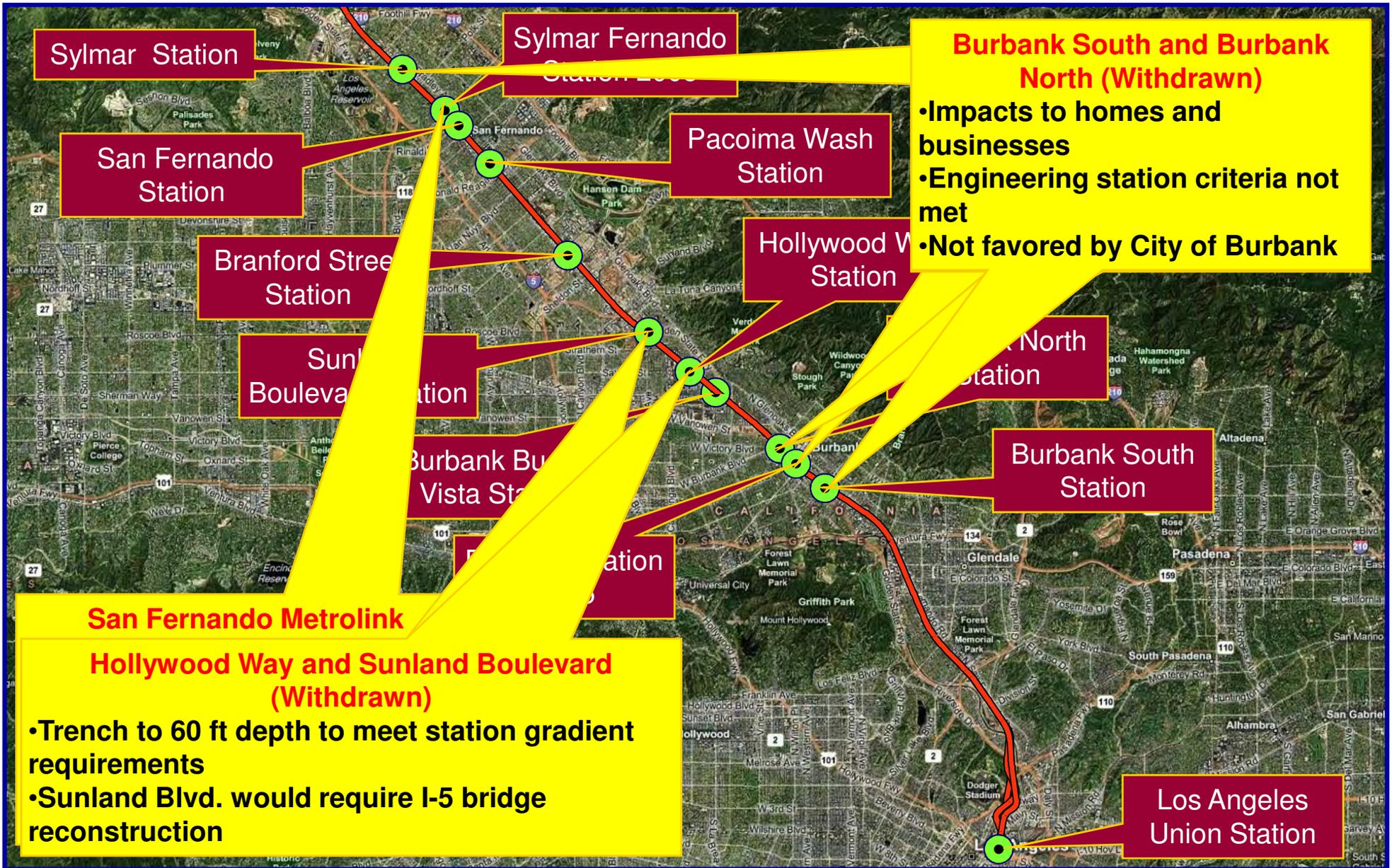


HST and Metrolink share right of way



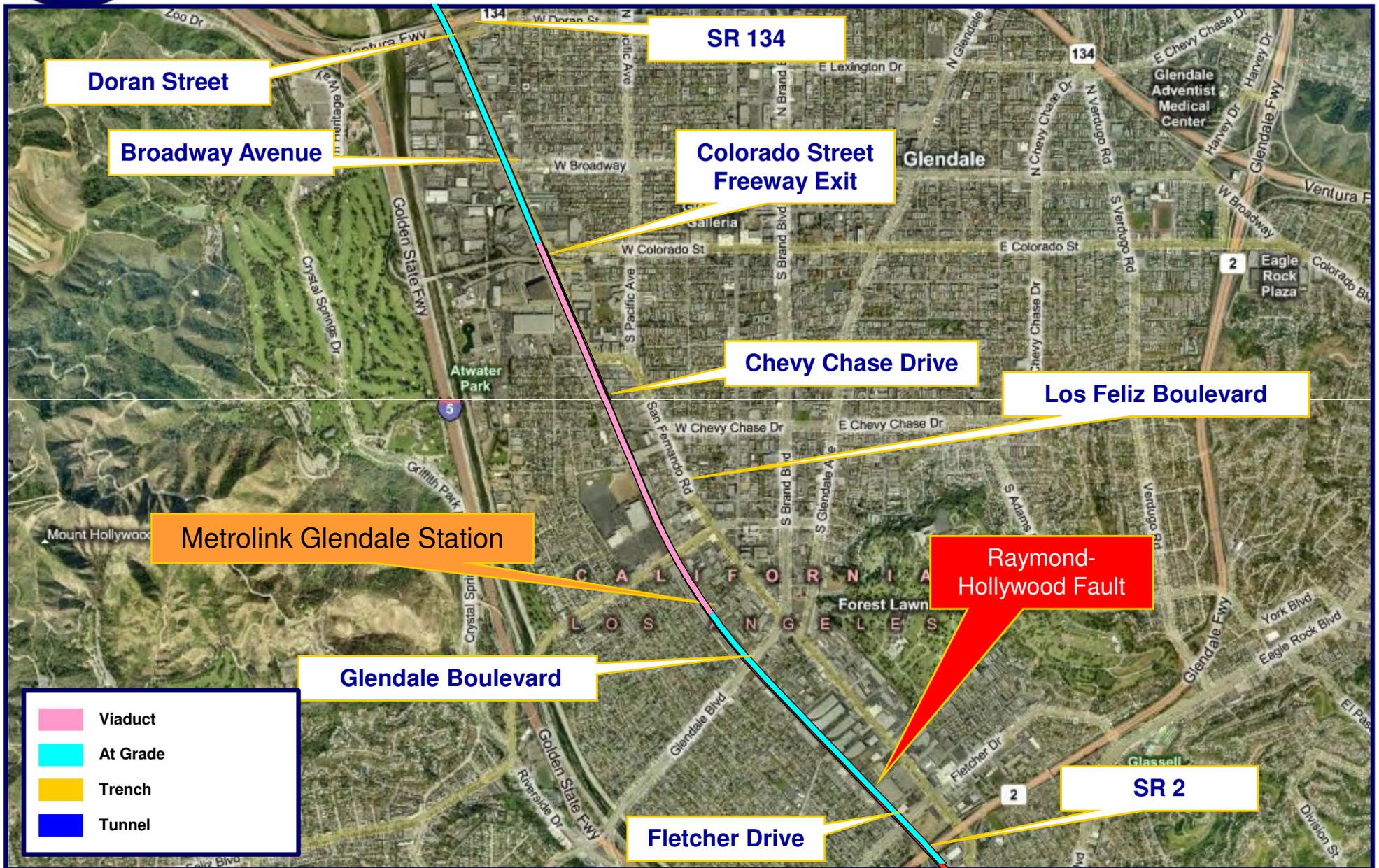


# SR 134 to San Fernando/Sylmar Station Options



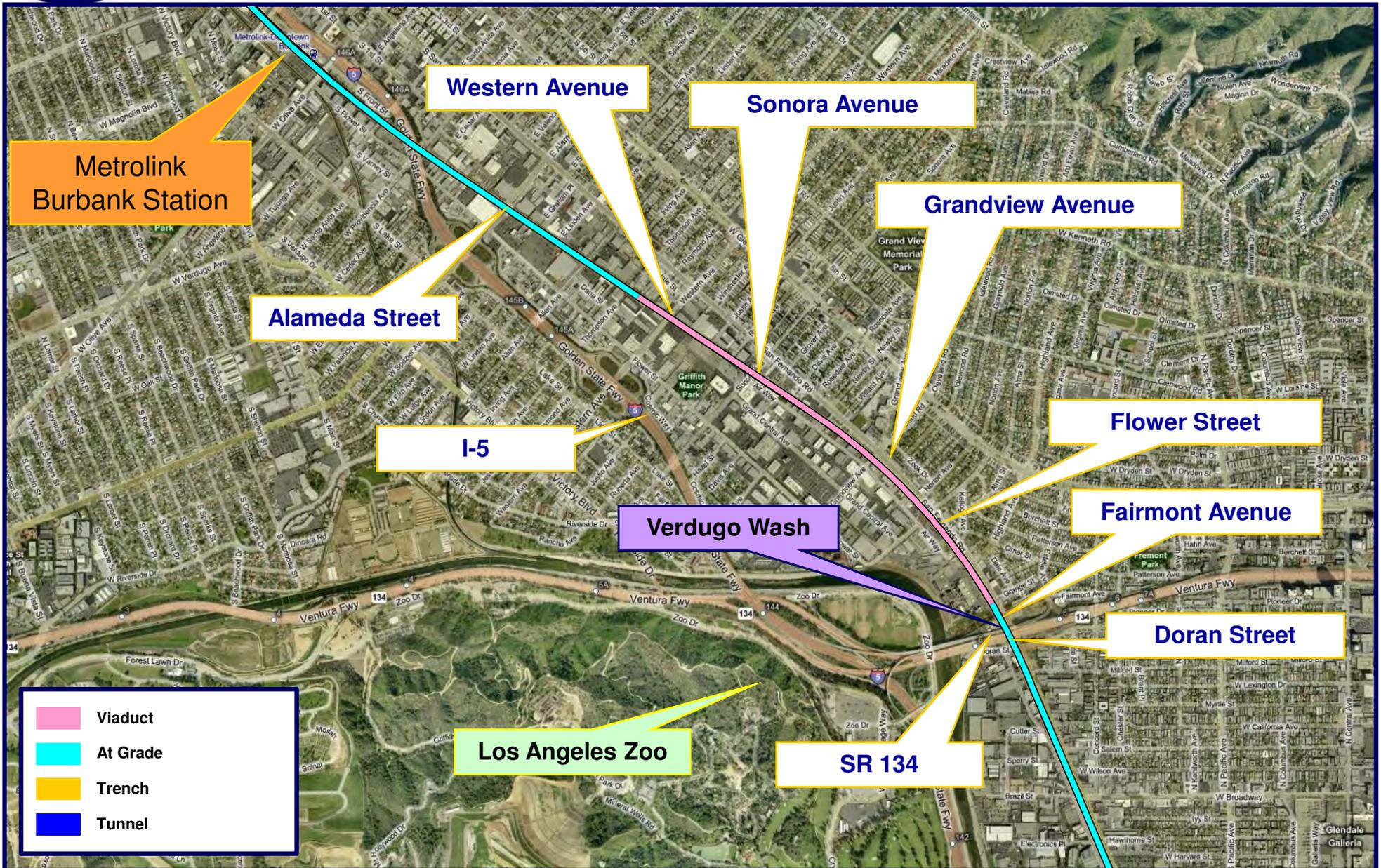


# Glendale Study Area (south)



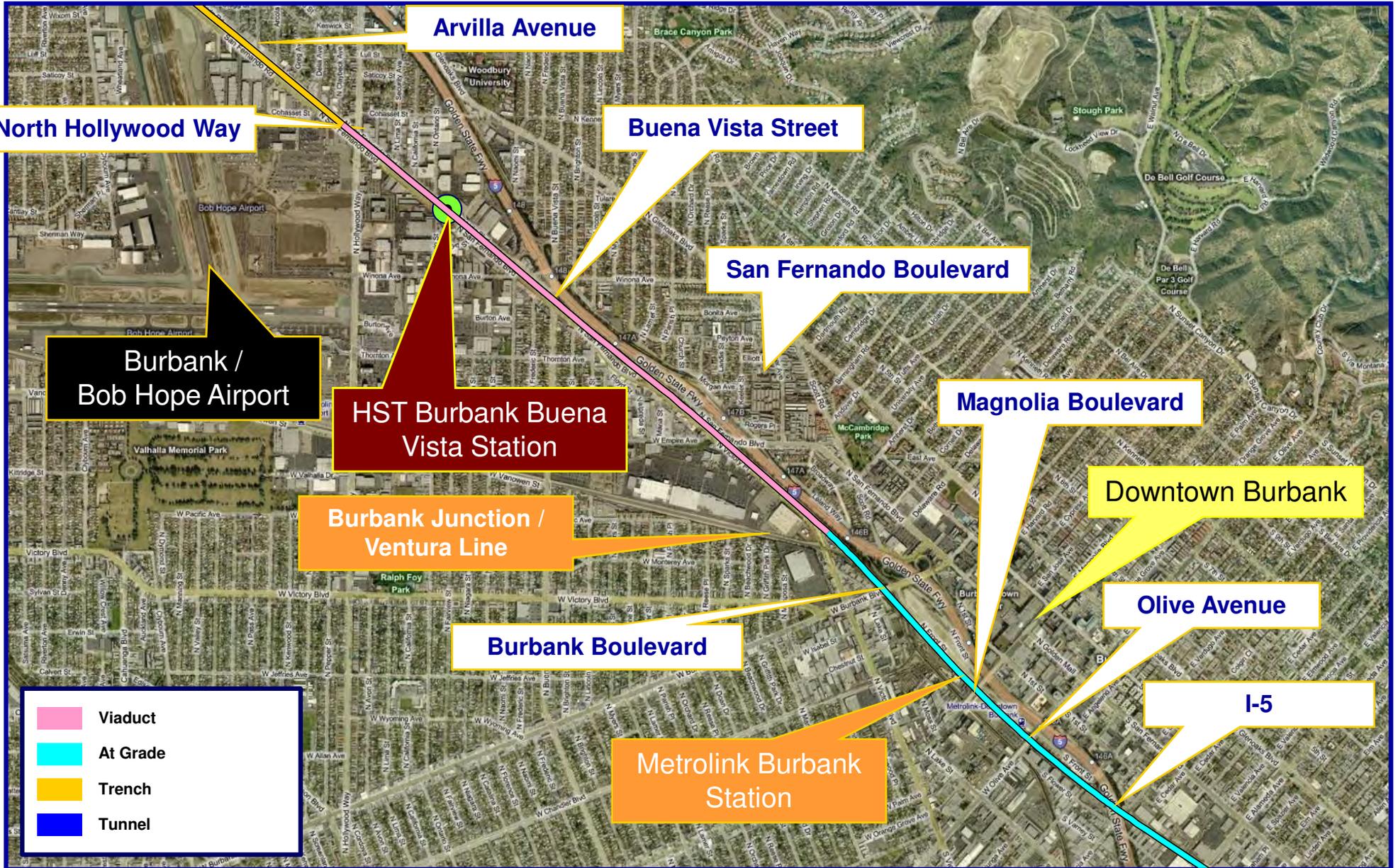


# Glendale Study Area (north)



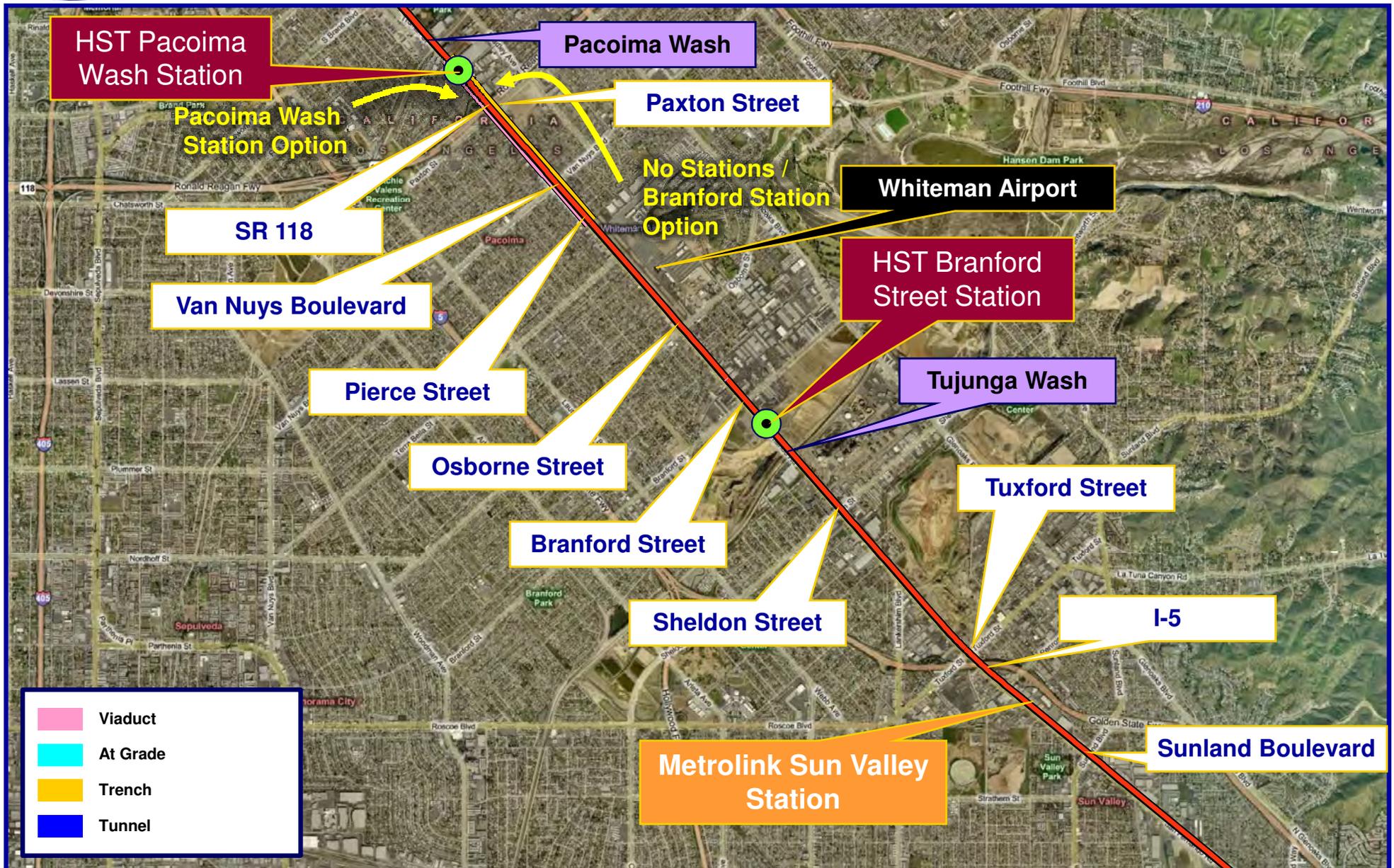


# Burbank Study Area



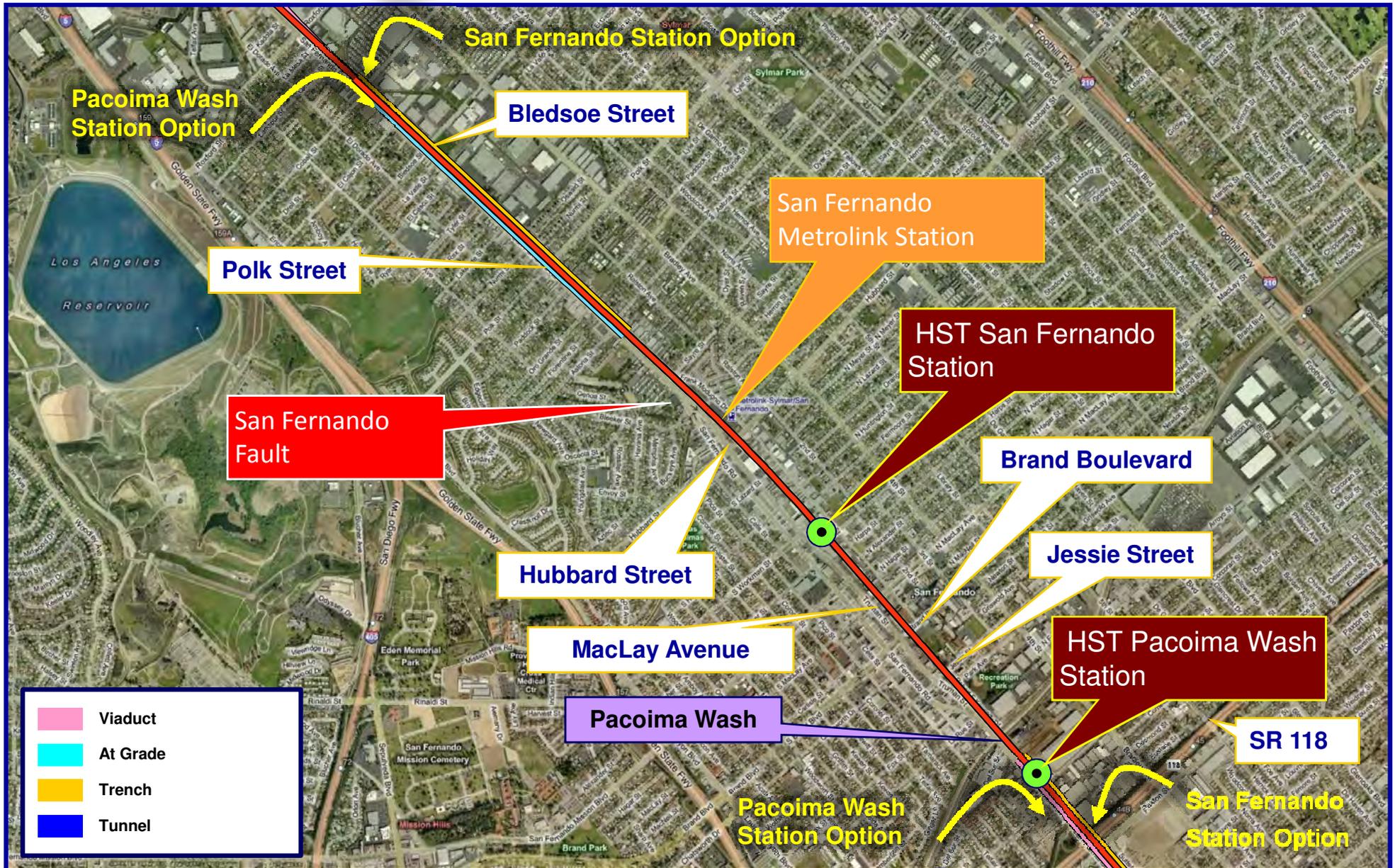


# Los Angeles Study Area (San Fernando Valley)





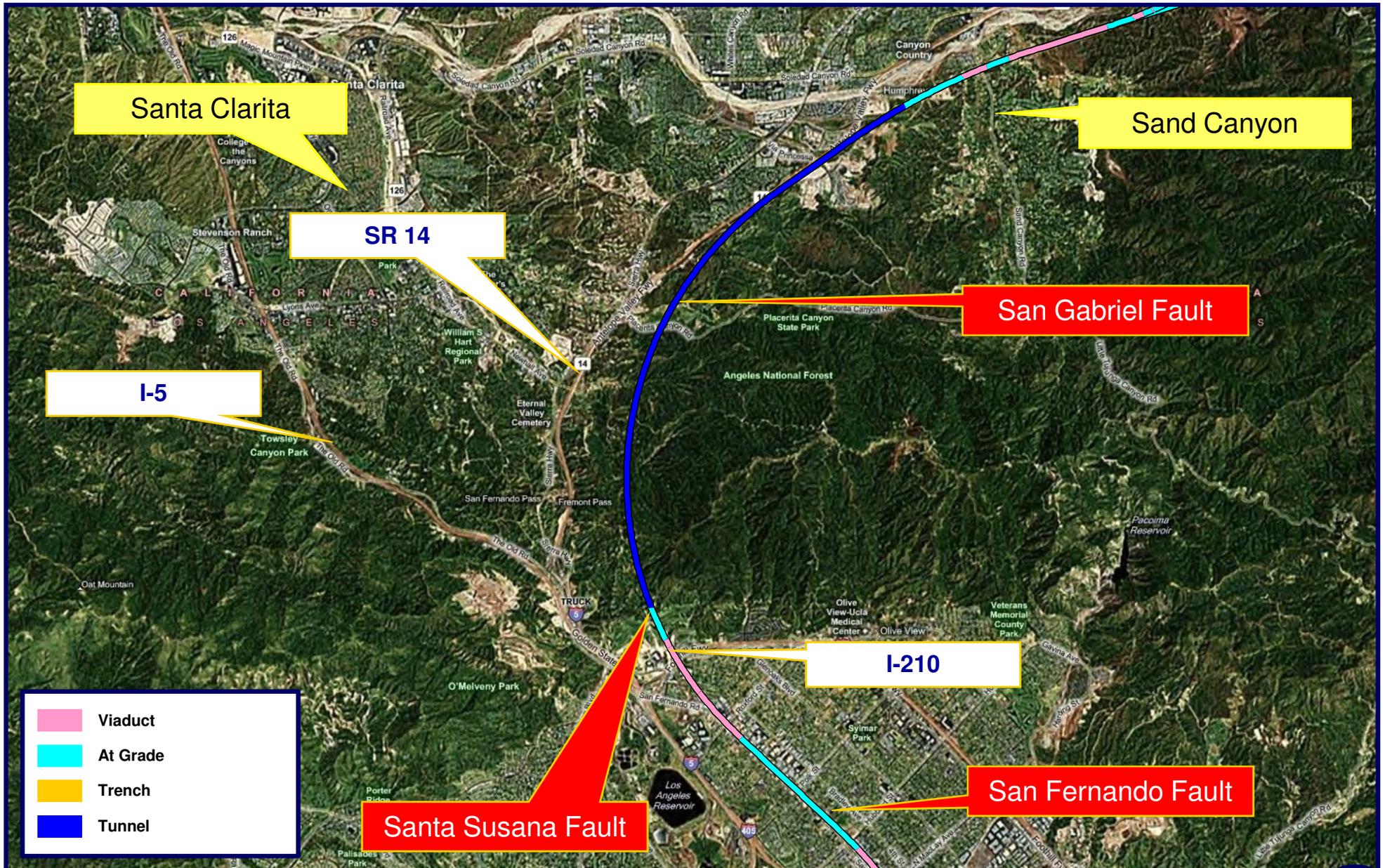
# San Fernando / Sylmar Alignment





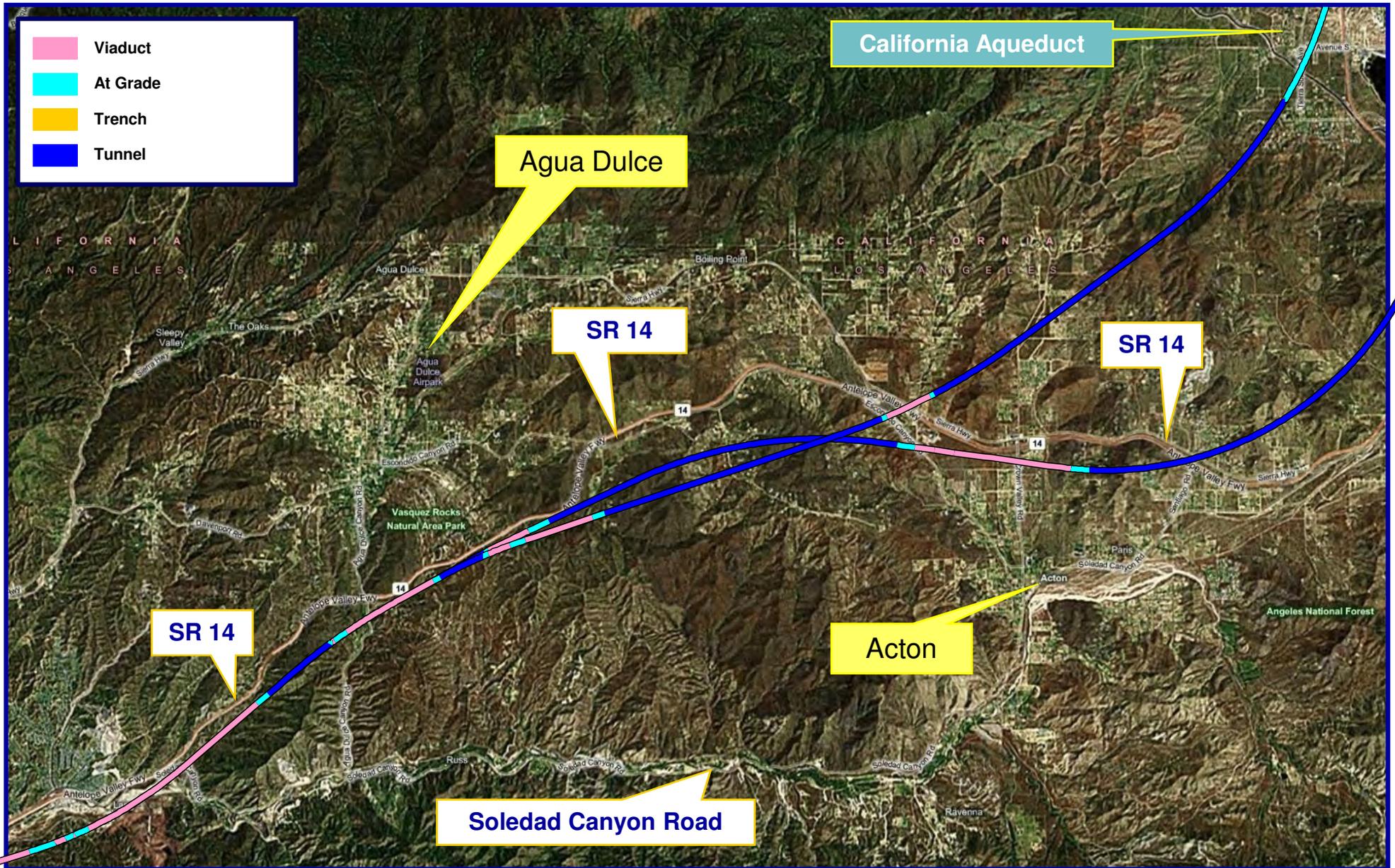


# Santa Clarita Alignment



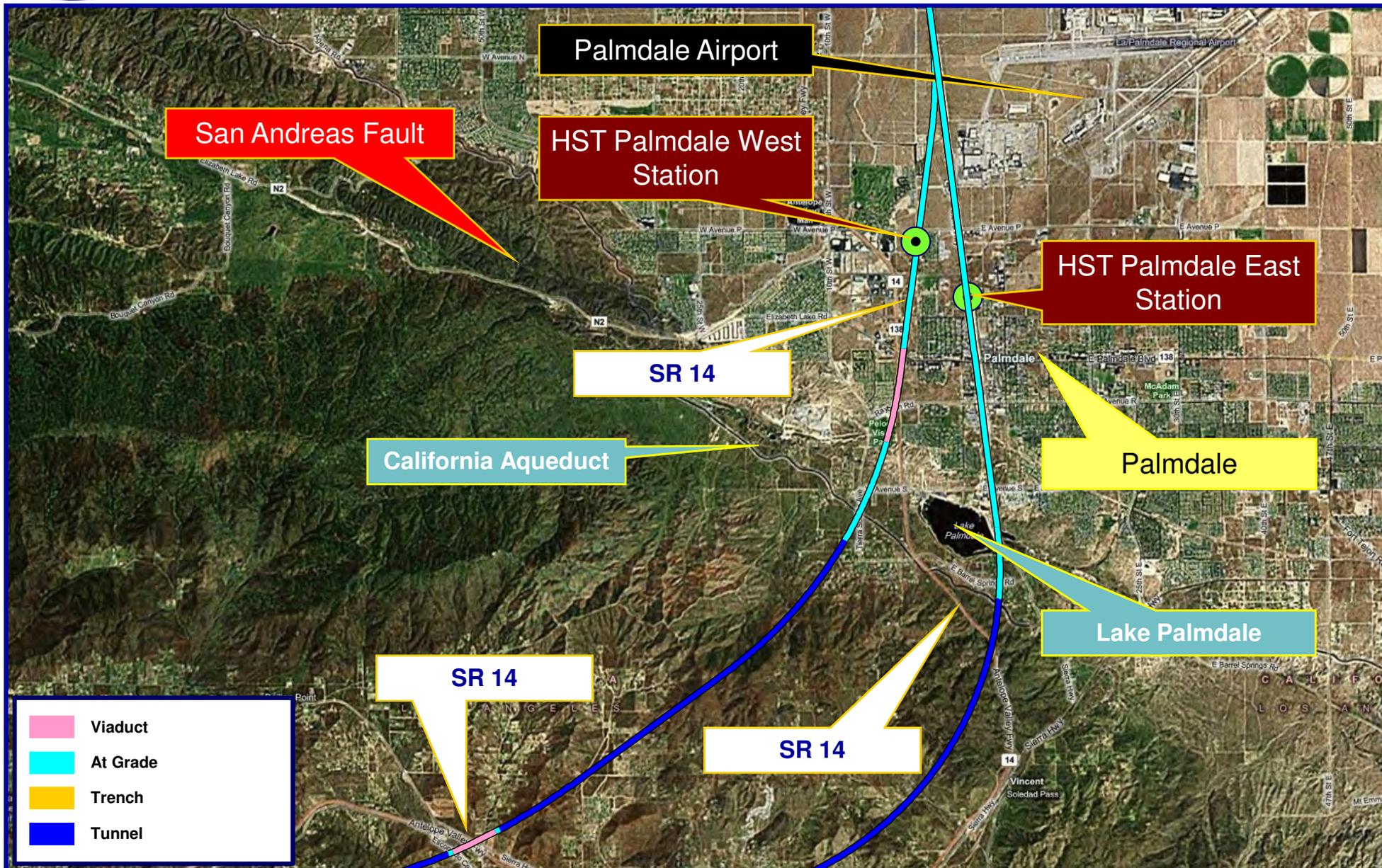


# Acton / Aqua Dulce Alignment Alternatives





# Palmdale Alignment





# Los Angeles to Palmdale – Recommendations for Further Study

## Sylmar to Palmdale

- New Right of Way generally following SR 14 corridor
- 2 alignments west and east entering Palmdale
- 2 station options, 1 for each alignment alternative

## SR 2 to Sylmar

- Share Metrolink Right of Way on dedicated HST tracks
- 4 station options (Burbank Buena Vista; Branford Street; Pacoima Wash; Sylmar / San Fernando)
- Vertical profile variations compatible with station options, grade crossings

## LAUS to SR 2

- 3 tunnel options on west bank crossing under the LA River to just south of Rio de Los Angeles Park
- 1 surface/elevated option crossing the LA River to east bank
- East or west side of Taylor Yard Park





# Timeline, Next Steps and Public Comment Opportunities

