



Caltrans District 12 Interstate 5 Managed Lanes Project Update

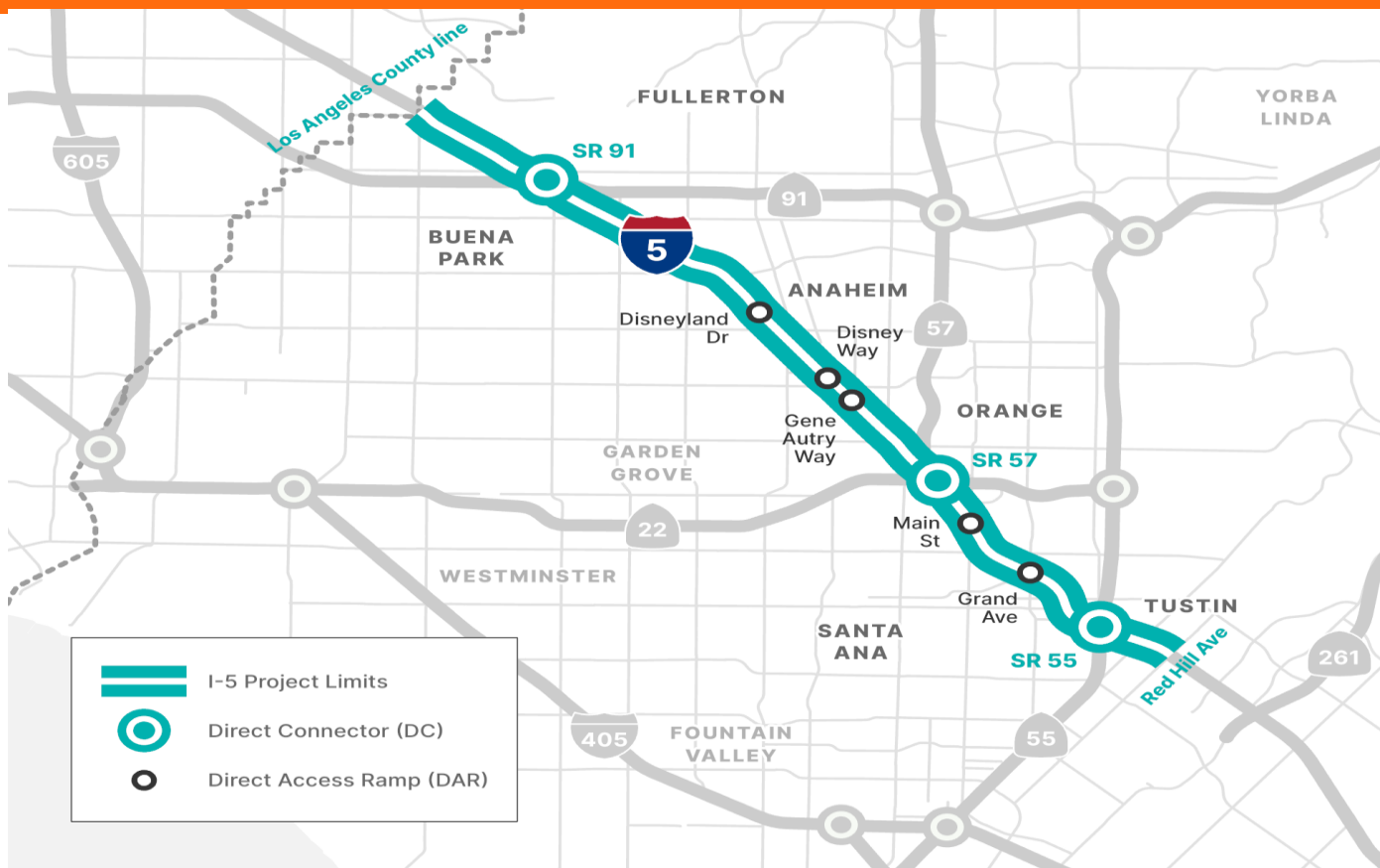
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Caltrans District 12
Deputy District Director
Division of Environmental Analysis





I-5 Managed Lanes Project Limits

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Purpose & Need

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- The **purpose** of this project is to improve the overall movement of people and goods along this section of the I-5 by:
 - Improving managed lanes network operations
 - Improving mobility and trip reliability
 - Maximizing person throughput by facilitating efficient movement of bus and rideshare users
 - Applying technology to help manage traffic demand
- The **need** for the project is to address:
 - HOV degradation
 - Demand that exceeds existing capacity
 - Operational deficiencies
- The current PA&ED phase is funded by the State Highway Operation and Protection Program, (SHOPP), and the State Transportation Improvement Program (STIP)



Investing in road, freeway, and bridge improvements across California to enhance transit and safety.





OC HOV Lane Degradation from 2013 to 2017

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Project Alternatives

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Location	Alternative 1 No-Build		Alternative 2 HOV 3+		Alternative 3 Converted Express Lane (EL)		Alternative 4A/4B Converted and Expanded Express Lane (EL)			
OC/LA County Line	↓	↑	↓	↑	↓	↑	↓	↑	↓	↑
SR 91	HOV2	HOV2	HOV3	HOV3	EL	EL	EL	EL	EL	EL
SR 22/SR 57	HOV2	HOV2	HOV3	HOV3	EL	EL	EL	EL	EL	EL
SR 55	HOV2	HOV2	HOV3	HOV3	EL	EL	EL	EL	EL	EL
Red Hill Ave	↓	↑	↓	↑	↓	↑	↓	↑	↓	↑
Project Cost	-		\$3 M		\$300-\$400 M		4A: \$350-\$450 M 4B: \$1,000-\$1,500 M			



Legend

HOV Lane (2+ or 3+)
Alt. 1 & Alt. 2

Express Lane (EL)
Alt. 3, 4A & 4B

Expanded EL
Alt. 4A and 4B

Expanded EL
Alt. 4B





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Express Lane Benefits

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- ✓ Comply with Federal regulations
- ✓ Support economic vitality
- ✓ Increase people throughput & maximize system productivity
- ✓ Provide reliable travel time & travel choice
- ✓ Enhance transit/carpooling & improve sustainability





Project Timeline

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- **Spring 2022 (May 9 – June 8)** – Public Scoping Phase
- **Summer 2022** – Define and develop build alternatives
- **Summer through Winter 2022** – Conduct technical studies
- **Summer 2023** – Circulation of Draft Project Report and Environmental Document; Public hearing/public comment
- **Fall/Winter 2023** – Response to public comments; Final Project Report and Environmental Document; Caltrans selects preferred alternative
- **Winter 2023** – Design-Build Delivery Method
- **2026** – Construction



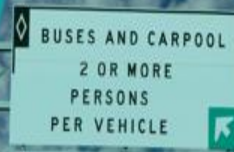


Partners and Outreach

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- Federal Highway Administration (**FHWA**)
- Southern California Association of Governments (**SCAG**)
- Orange County Transportation Authority (**OCTA**)
- Transportation Corridor Agencies (**TCA**)
- Los Angeles County Metropolitan Transportation Authority (**LA Metro**)
- California Highway Patrol (**CHP**)
- Caltrans HQ, D-7, D-8, and D-11
- Business Community
- County of Orange
- Local Cities (Anaheim, Santa Ana, Orange, Buena Park, Fullerton, Tustin)
- General Public Open Houses





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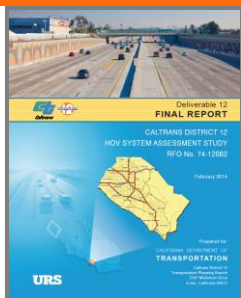
Questions



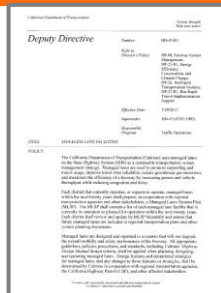


Background Studies

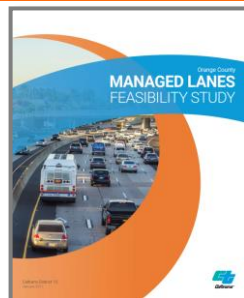
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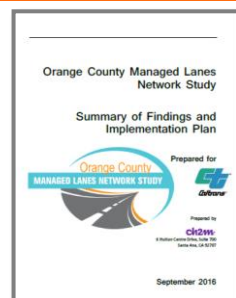
HOV System Assessment Study



DD-43-R1



Orange County MLFS



Orange County MLNS



I-5 ML PSR Kickoff



I-5 ML PSR Final Approval

2011

2014

2015

2016

2017

2018

2019



2011 HOV Degradation Report

Annual HOV Degradation Report and Action Plan



2017 HOV Degradation Report

