

# Construction Network – IE Transportation Panel October 10, 2023

Caltrans District 8

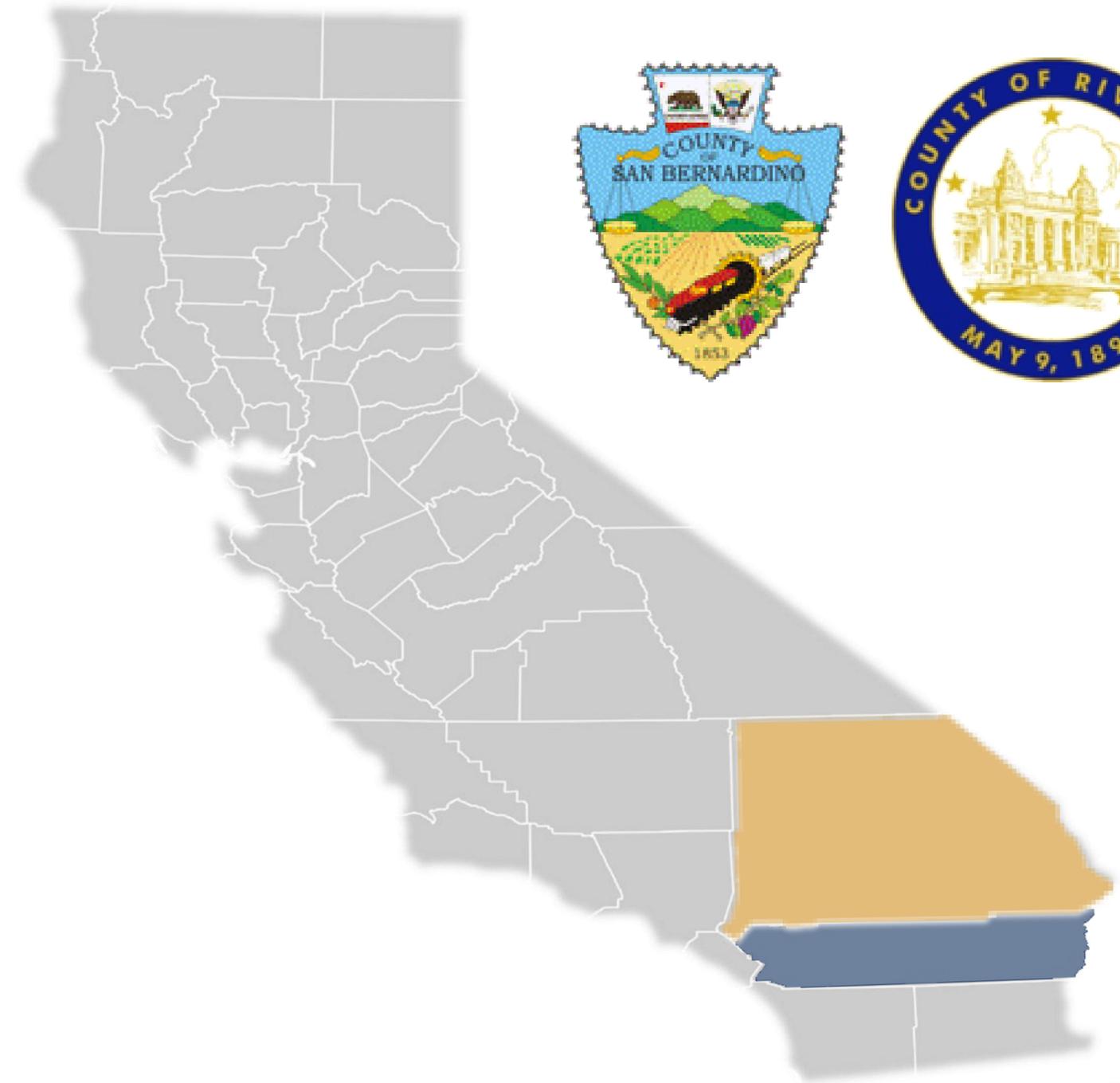
Anthony Liao

Deputy Director, Project Management



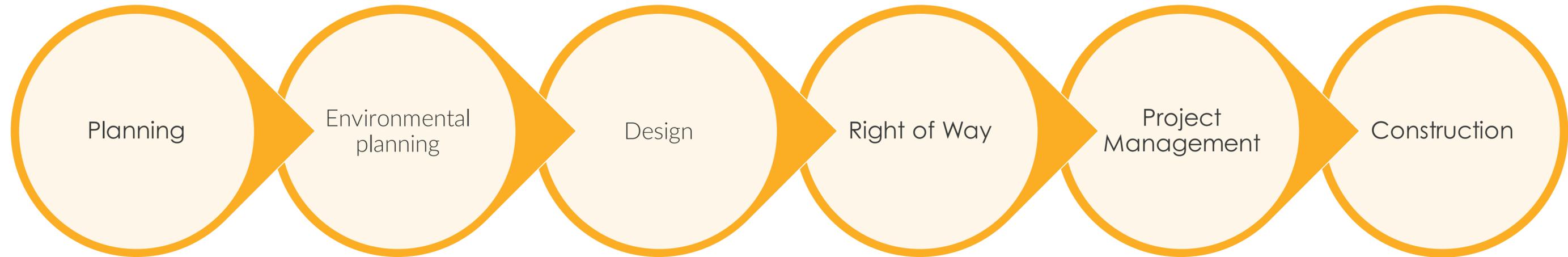
# Caltrans District 8

-  4.7 Million Residents of Riverside and San Bernardino County
-  49 Incorporated Cities
-  28,650 Square Miles (Largest of the 12 Districts)
-  32 State Routes 4 Interstate Routes
-  7,200 Lane Miles
-  1,600 Employees



# 9 Divisions Working Together

## Project Development Team



## Transportation Network Support





# Safety

- Caltrans has a Goal of Zero Deaths on the State Highway System for the Traveling Public and our employees.
- Making this Happen in District 8:
  - Safety Van
  - Reduced Speed in Construction Zones
  - Coordinating with CHP
  - Highlighting the “Be Work Zone Alert Campaign”





## Addressing Equity – District 8

- DBE goals set by the department.
- Giving a voice to Disadvantaged Communities within the Inland Empire Before, During, and After Project Delivery through Community Engagement Program.
- Bringing New Ideas to the Table to Address Negative Impacts of the Past.
- District 8 has developed an Equity Task Force to assist the District in improving Social Equity throughout the Inland Empire.
- Hosting Internal Events to Raise Awareness of the Issue.
- District 8 was recognized for our efforts on improving equity with the WTS-IE Rosa Parks Diversity Leadership Award.





# Climate Change

- Identifying vulnerabilities and assessing impacts of climate-change on the State Highway System.
- Each Caltrans District in partnership with Headquarters developed a Vulnerability Assessment in 2019.
- This Assessment will help us plan as we develop projects in areas vulnerable to sea-level rise, wildfires, and higher temperatures.

CALTRANS  
CLIMATE CHANGE

VULNERABILITY ASSESSMENT  
SUMMARY REPORT

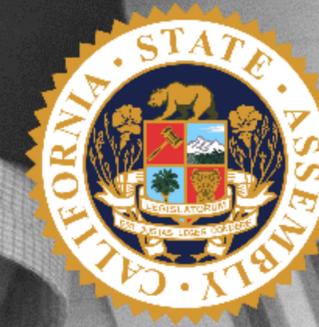
DISTRICT 8

2019



# PARTNERSHIPS

To best manage the state transportation network within San Bernardino and Riverside Counties, Caltrans District 8, realizes the importance of our partnerships with our elected delegations, regional transportation agencies, cities, towns, other state and local agencies and community stakeholders.



**cta** San Bernardino County  
Transportation Authority



County of Riverside  
Transportation Department





# Project Innovations – District 8

- **Design Build**
  - RIV I-10 –Desert Center Pavement Rehab (\$ 157 M)
  - SBD I-10 Express Lanes Project (Toll - \$ 700 M)
  - RIV SR 91 Corridor Improvement Project (Toll - \$ 924 M)
  - RIV I-15 Express Lanes Project (Toll - \$ 470 M)
- **Partnership with Private Industry**
  - I-15 – Brightline West High speed rail Partnership project with private developer, Virgin Trains USA (VTUSA)
- **SMART Freeway**
  - French Valley Parkway
- **Project Procurements**
  - Committed goal SB goal of 25% and DVBE goal of 5% for State programs
  - Committed to DBE goal of 22.2% for Federal programs





# Program Portfolio Summary - District 8

2022 SHOPP

\$1,688  
Million

72  
Projects

2022 STIP

\$196 Million

7  
Projects

Toll Roads

RIV 91 CIP Toll  
Express Lane  
(RCTC)  
\$1,385 Million

SBD 10 ELP Phase  
1 – Express Lanes  
(SBCTA)  
\$810 Million

SBD 15 Express  
Lanes (SBCTA)  
\$306 Million

SB1  
Competitive  
Programs

RIV 71/91 Flyover:  
LPP & TCEP– \$60  
Million  
FY 21/22

RIV 60 Moreno  
Beach Dr: TCEP  
\$16.8 Million  
FY 20/21

SBD 10 EB Trk  
Climbing Ln: TCEP  
\$24 Million  
FY 22/23

FY23/24 Minors

\$26.2 Million

4  
Minor B  
14  
Minor A

FY23/24 HM  
Program

\$56.7 Million CFD

13 Major  
Maint.

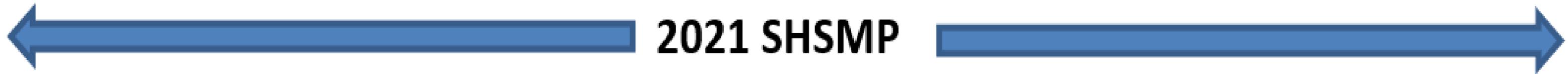
Middle-Mile Broadband  
Network (MMBN)

725.9 MMBN miles

\$254 Million  
Capital Cost  
Estimate



# 10-Year Plan – SHOPP Projects



# Infrastructure Investment and Jobs Act (IIJA)

- Also known as Bipartisan Infrastructure Law (BIL)
- Signed into law by President Biden on November 15, 2021
- \$1.2 trillion for transportation and infrastructure spending
- Provisions related to federal-aid highway, transit, highway safety, motor carrier, research, hazardous materials, and rail programs of the U.S. DOT
- Also includes federal policy direction and funding in the areas of climate action, zero-emission vehicle deployment, social equity, goods movement, and multi-modal transportation investment sought by CalSTA and many California transportation stakeholders.
- More information can be found at <https://rebuildingca.ca.gov/>



## IIJA Funding Targets and Project Approval Summary

### District Funding Targets and Project Approval Summary (\$M)

The following table presents a summary of IIJA Funding Targets and Project Approvals by District

District Funding Targets					Project Approvals		
District	Safety	Complete Streets	Fleet EV Charging	Fiber Optics (MMBN)	Specific Project Approvals	Climate Approvals	Total
1	\$4.1	\$7.2	\$0.4	\$7.7			\$19.4
2	\$4.1	\$7.2	\$0.5	\$6.4	\$18.1	\$2.1	\$38.4
3	\$12	\$11.3	\$1.6	\$11.5	\$25.1	\$21.4	\$82.9
4	\$20.7	\$12.1	\$1.7	\$11.1	\$200		\$245.6
5	\$6.4	\$7.2	\$0.5	\$9			\$23.1
6	\$10	\$6.7	\$0.7	\$6.3		\$1.6	\$25.3
7	\$23.6	\$9.7	\$1.6	\$6.9	\$12		\$53.8
8	\$19.8	\$13.5	\$0.9	\$20.7	\$125	\$16	\$196
9	\$1.6	\$3.2	\$0.2	\$3.5			\$8.5
10	\$10.3	\$10.4	\$0.5	\$8.3		\$1.1	\$30.6
11	\$11	\$7.5	\$0.8	\$4.3	\$128		\$151.6
12	\$6.1	\$3.9	\$0.5	\$4.3	\$25.0	\$18.0**	\$57.8*

# IJA Funding - Formula Funding Programs

Formula Funding Programs	FASTact FFY 2021	State	Local		IIJA FFY 2022	State	Local	CHANGE		
								TOTAL	STATE	LOCAL
National Highway Performance Program (NHPP)	\$2,065	\$1,864	\$202		\$2,460	\$2,226	\$231	\$395	\$362	\$29
Surface Transportation Block Grant Program (STBGP)	\$1,042	\$336	\$706		\$1,197	\$360	\$837	\$155	\$24	\$131
Highway Safety Improvement Program (HSIP)	\$209	\$128	\$82		\$262	\$142	\$120	\$53	\$14	\$38
Railway-Highway Grade Crossings Program (RHCP)	\$17	\$0	\$17		\$17	\$0	\$17	\$0	\$0	\$0
Congestion Mit. and Air Quality Imp. Program (CMAQ)	\$495	\$0	\$495		\$506	\$0	\$506	\$11	\$0	\$11
Metropolitan Planning Program (MPP)	\$54	\$0	\$54		\$66	\$0	\$66	\$12	\$0	\$12
National Highway Freight Program (NHFP)	\$137	N/A	N/A		\$127	\$0	\$0	(\$10)	\$0	\$0
Carbon Reduction Program (CRP)	N/A	N/A	N/A		\$107	\$37	\$69	\$107	\$37	\$69
PROTECT Formula Program (PROTECT)	N/A	N/A	N/A		\$121	\$73	\$49	\$121	\$73	\$49
Electric Vehicle Formula Program (NEVI)	N/A	N/A	N/A		\$57	\$57	\$0	\$57	\$57	\$0
Bridge Replace & Rehab Program (BRIDGE)	N/A	N/A	N/A		\$575	\$322	\$253	\$575	\$322	\$253
<b>GRAND TOTAL</b>	<b>\$4,019</b>	<b>\$2,328</b>	<b>\$1,556</b>		<b>\$5,495</b>	<b>\$3,217</b>	<b>\$2,147</b>	<b>\$1,476</b>	<b>\$889</b>	<b>\$591</b>

60% 40%

60% 40%



# Caltrans District 8 – Major Projects

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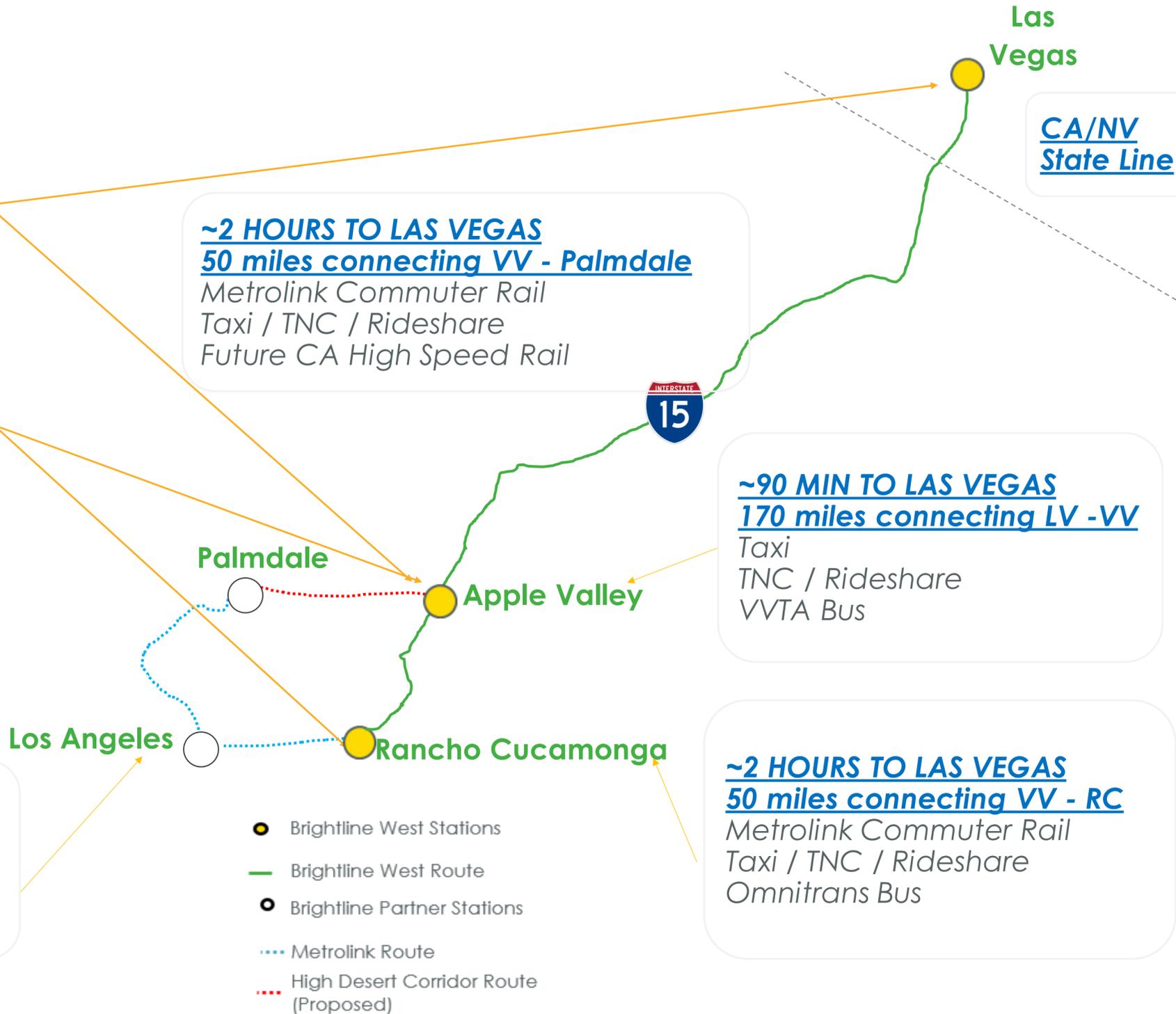
# Brightline West High-Speed Train Project

High Desert:  
Apple Valley to Las Vegas  
135 Miles in CA + 35 Miles  
in Nevada - \$5.5 B  
EA OP400

Cajon Pass:  
Rancho Cucamonga to  
Apple Valley  
50 Miles - \$4.5 B  
EA OP401

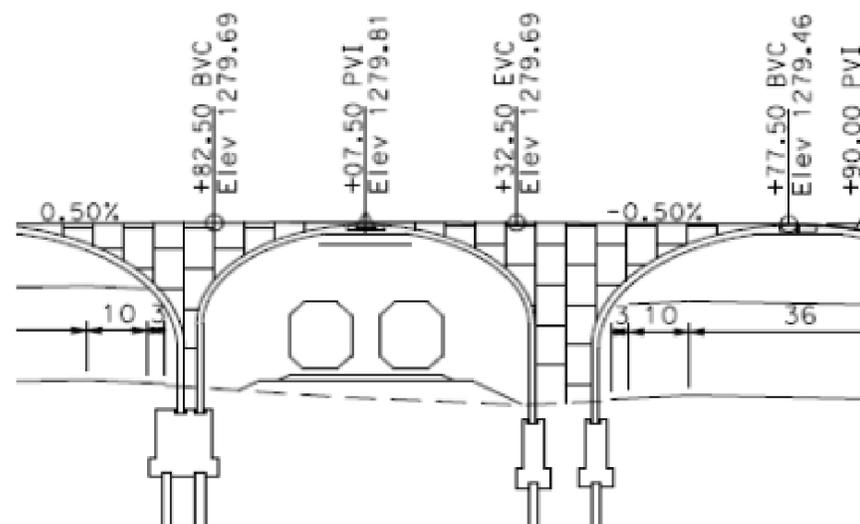
Begin Construction: 2024

**~3 HOURS TO LAS VEGAS**  
Metrolink Commuter Rail  
Taxi / TNC / Rideshare  
LA Metro Bus  
FlyAway Bus (to LAX)





# Mojave I-15 Wildlife Crossings Project



- Construct 3 Wildlife Overcrossings
- Total Cost Estimate: \$125 million
- Begin Construction: 2024

# I-15 Express Lanes Project Southern Extension

## **LOCATION:**

Interstate 15 between  
Cajalco Road in Corona  
and State Route 74 (Central  
Avenue) in Lake Elsinore

## **ENGINEERING/ ENVIRONMENTAL STUDIES:**

Expected to be complete by  
2025

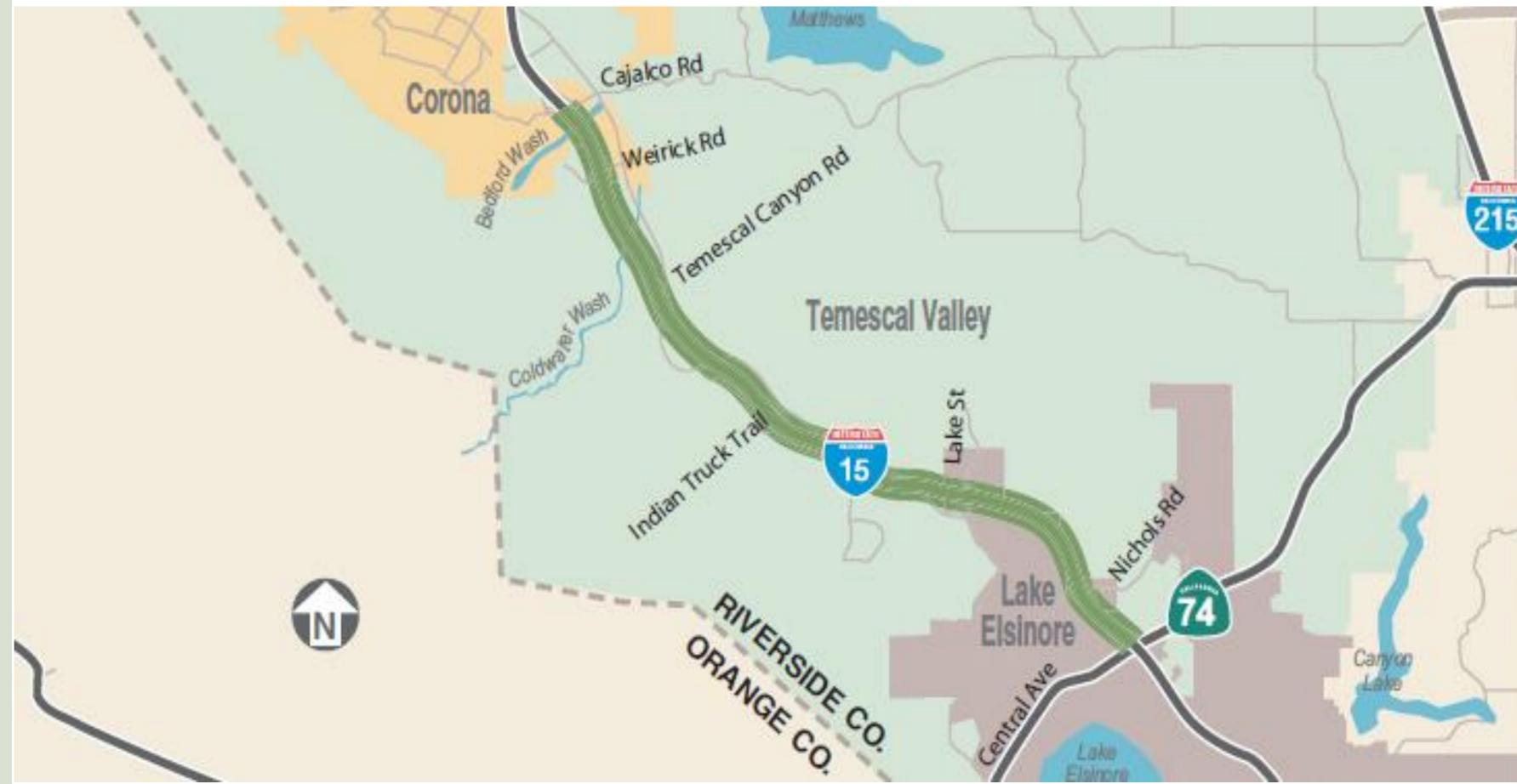
## **CONSTRUCTION:**

Could begin as early as 2026

## **INVESTMENT:**

\$550-650 million (estimate  
for pre-construction, design,  
construction)

- The proposed project would:
  - Improve and manage traffic operations, congestions, and travel time along the corridor
  - Expand travel choice through carpooling and mass transit
  - Provide an option for travel time reliability
  - Provide a cost-effective mobility solution
  - Expand and maintain compatibility with the regional express lanes network



# RIV 10-Desert Center Pavement Rehabilitation Projects Coachella Valley to Arizona State Line

**The Projects will:**

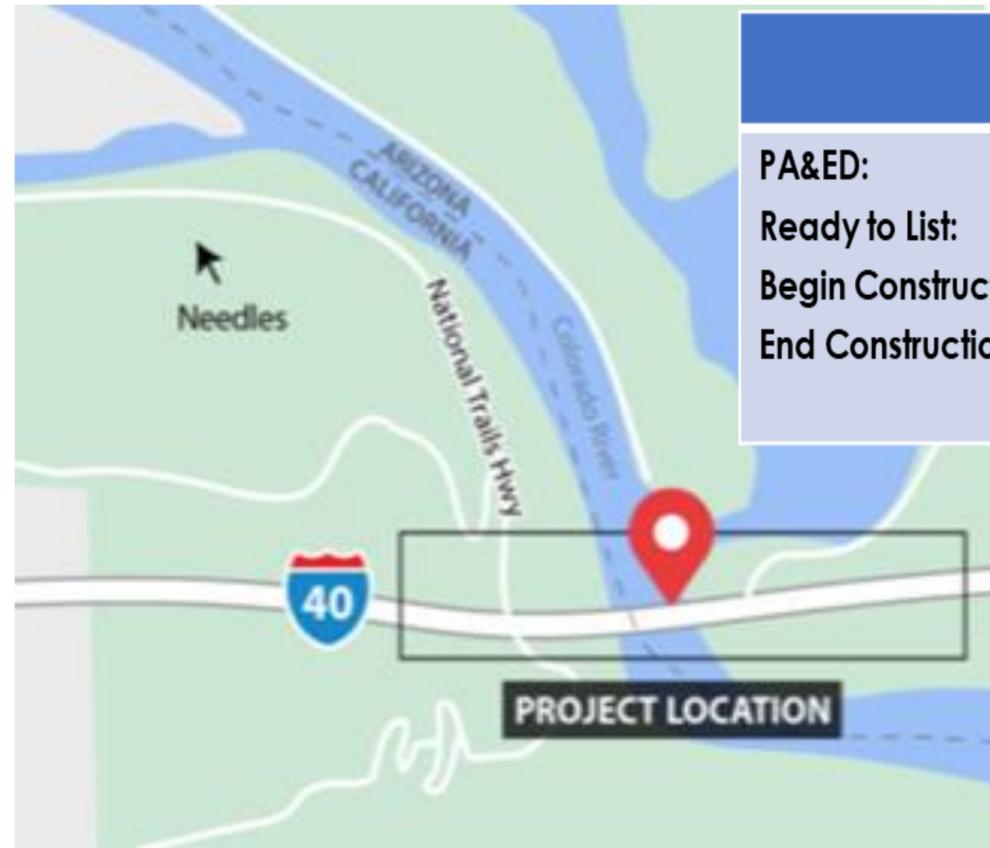
- Rehabilitate the mainline, shoulders and ramps
- Install Electric Vehicle Charging Stations (Segment 1)
- Improve safety and mobility by upgrading guardrails, bridge rails and drainage facilities
- Install Middle Mile Broad Band (Segment 2)
- Install Clean California beautification monument (Segment 3)

	Segment 1-Design Build (EA 1C081)	Segment 2 (EA 1C082)	Segment 3 (EA 1C08U)
Location	Near Coachella to .2 mi E/O Hazy Gulch Bridge	From SR 10/177 Separation to 1.1 mi W/O Wiley's Well RD OC	Near Blyth to Arizona State Line
Total Project Cost	\$225,557,404	\$342,855,269	\$289,043,858
CCA	8/3/2026	11/1/2024	7/1/2026

• 1C081: — 1C082: — 1C08U: —

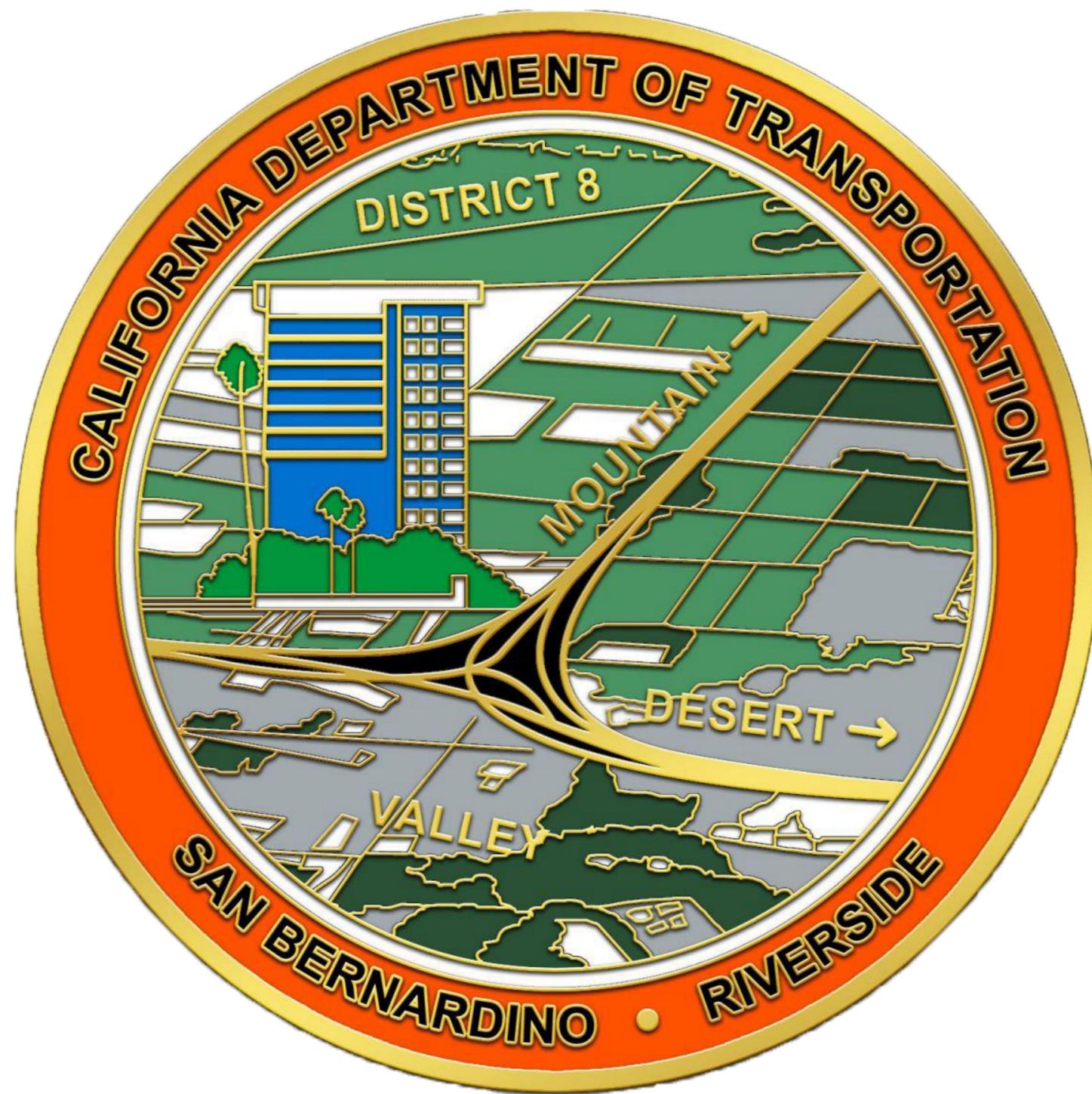


# I-40 Colorado River Bridge Replacement in San Bernardino County Route 40 near Needles



Current Schedule	
PA&ED:	November 02, 2023
Ready to List:	March 03, 2026
Begin Construction:	November 13, 2026
End Construction:	September 5 <sup>th</sup> , 2029





# District 8 A&E Contract Current Status & Look Ahead



# D8 Current Architectural and Engineering (A&E) Contract

Work Type	# of Contracts	Contract Amount
Construction	6	\$45,636,000.00
Design	3	\$12,867,088.00
Environmental	4	\$10,539,444.00
Program Project Management	3	\$10,302,980.00
Right of Way	2	\$4,260,920.00
<b>Grand Total</b>	<b>18</b>	<b>\$83,606,432.00</b>

# D8 Upcoming Architectural and Engineering (A&E) Contract

Pending Contract Execution	Contract Amount	Work Type
08A3604	\$14,000,000	Project specific contract construction Inspection for EA 1C081 & 1C08U
08A3608	\$5,821,000	Construction inspection contract for specialty items e.g., Claims, Scheduling, Electrical, Landscape, SWPPP, Etc.
08A3614	\$1,549,363	Independent Cost Estimator (ICE) contract for CMGC contract
08A3615	\$8,000,000	Field material testing
08A3618	\$3,248,980	Hazardous waste
08A3623	\$3,961,000	Biological services
08A3639	\$13,500,000	Highway/Landscape design
<b>Total</b>	<b>\$50,080,343</b>	



# Calmentor Program – Architectural & Engineering (A&E) Mentor- Protégé program

- To encourage new businesses, grow existing businesses, and promote small and emerging businesses contracting with the State of California.
- Calmentor supports the participation of certified Small Business Enterprises (SBE), Disadvantaged Business Enterprises (DBE), and Disabled Veterans Business Enterprises (DVBE) firms.
- Held bi-annually, location rotates between Districts 7, 8, and 12.
- Contact: [d7.ppm.consultant.services.unit@dot.ca.gov](mailto:d7.ppm.consultant.services.unit@dot.ca.gov)

Calmentor  
(D7, 8, & 12)  
LinkedIn Group





## Mandatory Pre-Bid Meetings

- DBE Goal 22.2%
- Mandatory Pre-Bid meetings
  - Helps provide opportunities for small businesses
    - Includes certified Disadvantaged Business Enterprises (DBE) and Disabled Veteran Business Enterprises (DVBE)
    - Small businesses can ‘pitch’ their services and products to decision makers and prime contractors.
  - Also offers Prime Contractor the opportunity to gather new and additional resources
    - Helps to meet Federal DBE project goals.
- During COVID 19, District 8 moved these meetings to a virtual setting – WebEx – and continues this today!
  - Provide small businesses a unique ‘practice session’ prior to the real Virtual Mandatory Pre-Bid meeting
  - Gives businesses a chance to gain technical experience with the WebEx platform and to practice their ‘pitches’.



# Construction Mentor Protégé Program (CMPP)

- Partnership with CPM Logistics to implement CMPP
- Assist the development of emerging construction companies so that they can compete successfully in Caltrans projects.
- Supports the participation of certified, or eligible for certification, Small Business (SB), Disadvantaged Business Enterprise (DBE), and Disabled Veterans Business Enterprise (DVBE) firms
- Small and Emerging Construction Contractors
  - Access to education and guidance on all aspects of the public works construction contracts bidding process
  - Develop relationships within the construction community
  - Grow technical skills and infrastructure
  - Learn key Caltrans' contract administration practices and contractual requirements





# Construction Mentor Protégé Program (CMPP)

- Prime Contractors
  - Expand their network of relationships in the small business community, particularly in specialized fields
  - Enhance working relationships with the Caltrans team to increase transparency
  - Develop an approach to communication and feedback from the small business community that encourages mutual understanding
  - Increasing the pool of ready and capable sub-contractor firms that as small and emerging construction contractors SB/DBE/DVBE.
- Six to eight months
- One-on-One Mentoring
- <https://dot.ca.gov/programs/construction/construction-mentor-protege-program>
- [constructionmentorprotege@dot.ca.gov](mailto:constructionmentorprotege@dot.ca.gov)



# Caltrans District 8 – Stay Connected

Stay current on all Caltrans District 8 news and events by visiting us on social media and our website:



@Caltrans8



@Caltrans8



[dot.ca.gov/Caltrans-near-me/district-8](https://dot.ca.gov/Caltrans-near-me/district-8)

For live traffic information please download our Quickmap app or visit [Quickmap.dot.ca.gov](https://Quickmap.dot.ca.gov):



For more information on how to do business with Caltrans, visit: [A&E Contract Information | Caltrans](#)

Visit [Rebuildingca.ca.gov](https://Rebuildingca.ca.gov) for Current SB 1 Information

Caltrans District 8 looks forward to working with you to provide a safe and reliable transportation network for the residents of San Bernardino and Riverside Counties.

