



PUBLIC WORKS SUMMIT

PRESENTED BY: BASSEM BARSOUM, MSCE, PE

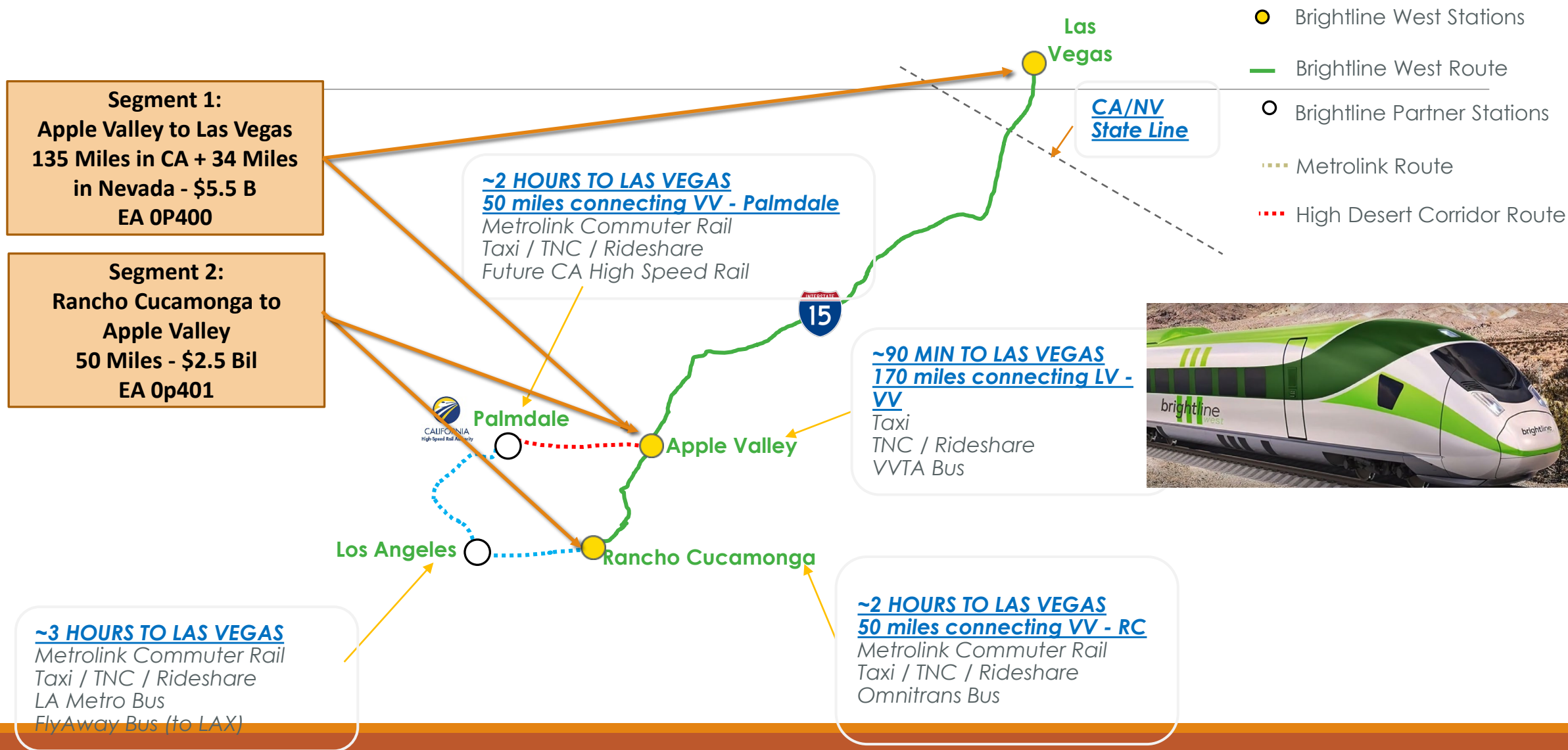
Acting Deputy District Director D-8
Program Project Management, Innovation,
Sustainability & Asset Management

Brightline West High-Speed Train Project (\$10 Bil)

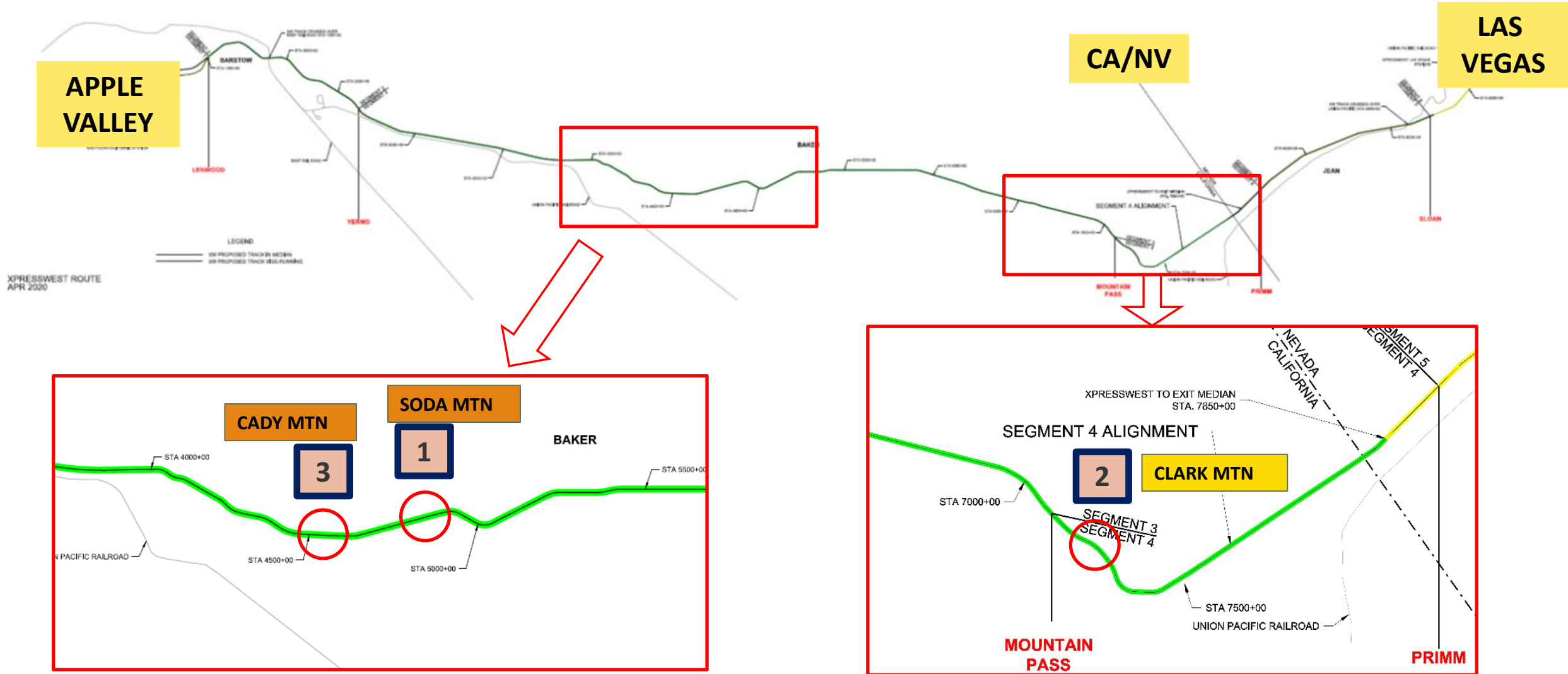


High-Speed Travel Between Southern California and Las Vegas

Greener, faster, more convenient travel



Brightline West Wild-life Crossing Locations (\$125 Mil)



1st Self powered Train in North America



Regional
Mobility Rail
from LA to
Coachella
Valley (144
Miles rail)



COACHELLA VALLEY RAIL

Metrolink system - Equity



Inland Empire
receive 70%
of imported
goods to
North
America





NOT TO SCALE

DUNCAN CANYON RD

15 CONTRACT 2

10 CONTRACT 1

MONTE VISTA AVE

10 CONTRACT 2

10 CONTRACT 3A

10 CONTRACT 3A

10 CONTRACT 3B

15 CONTRACT 1

CANTU-GALLEANO RANCH RD

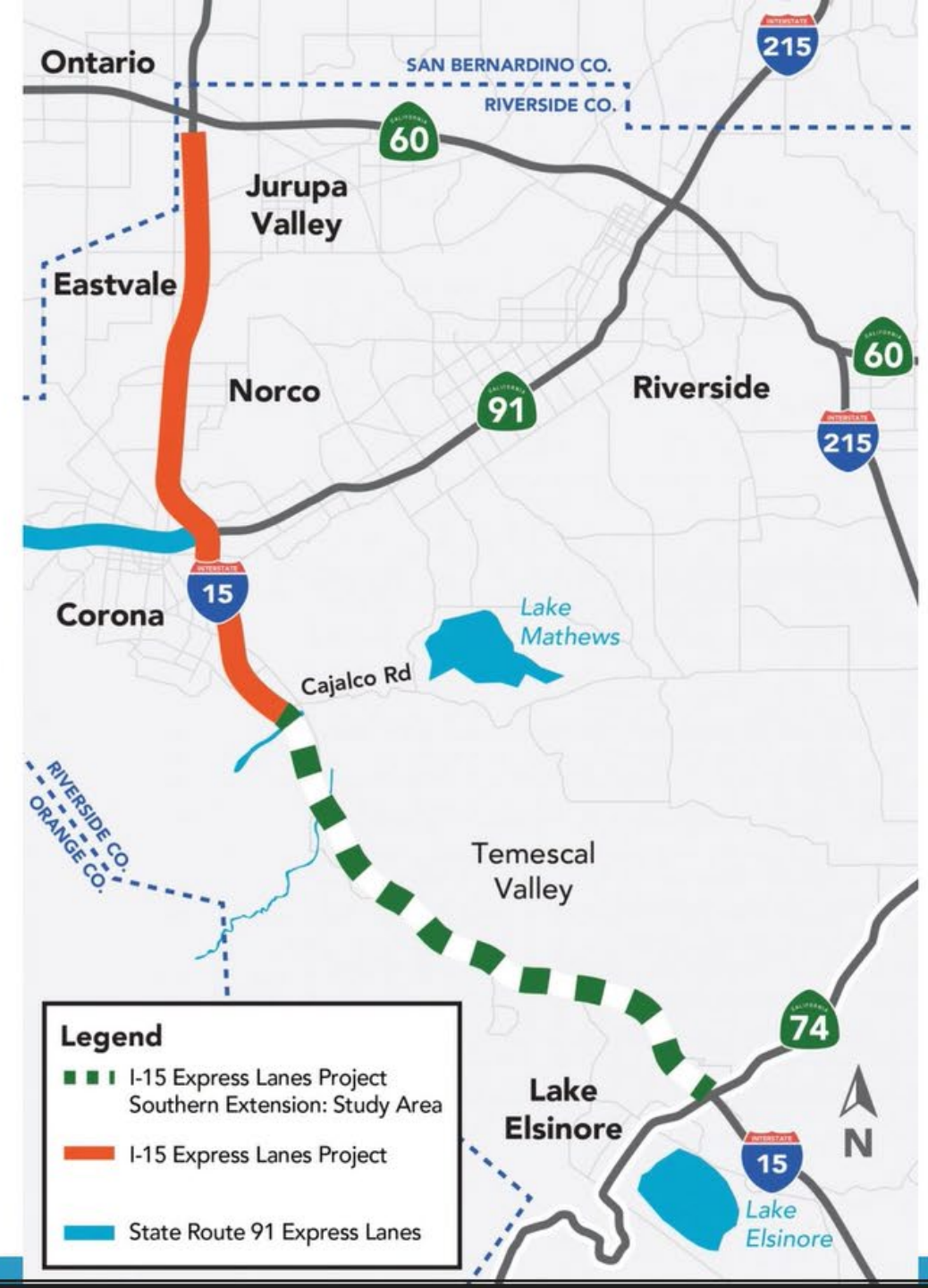
Existing RCTC Express Lanes

FORD ST

Progressive Design Build Delivery Approach

1. Time savings on schedule
2. Attain cost certainty much sooner
3. **Flexibility to construct in phases spread out over the delivery timeline as funding becomes available**
4. High amount of owner input

- Florida DOT use this method
- (PCM) Project Construction Manager
- Then hire (ICE) Independent cost Estimator

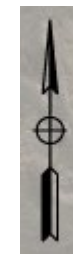
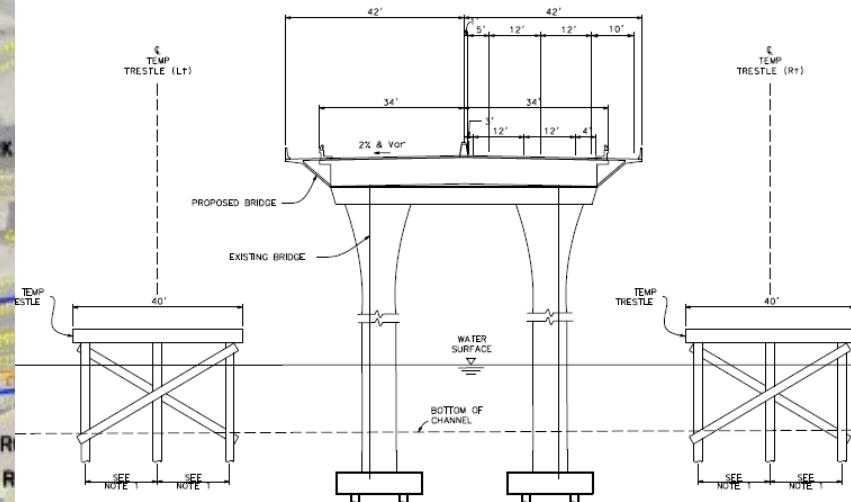
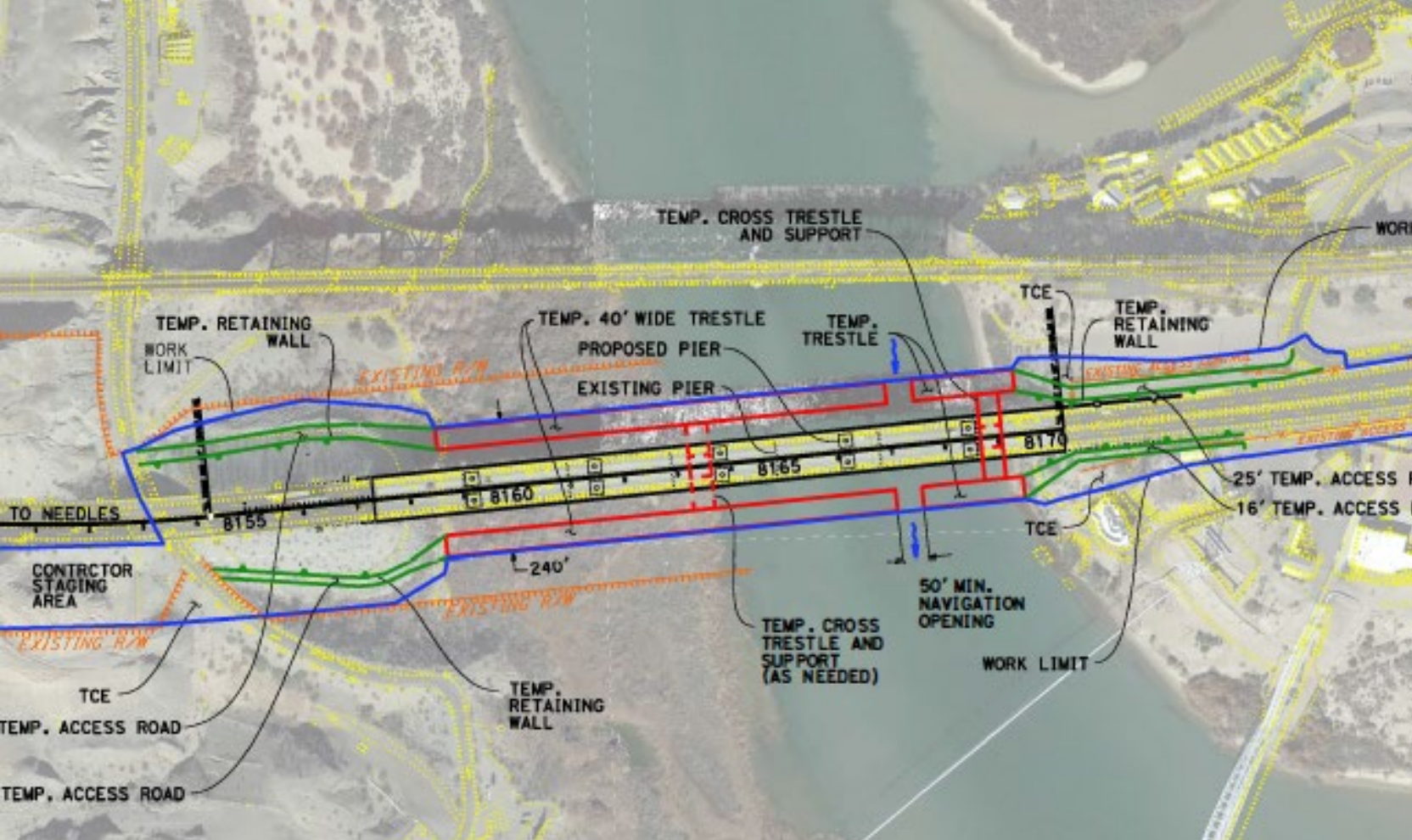


Project 08-0R380 SBD-40-R153.9/154.6 Colorado River Bridge

Near Needles from Park Moabi Road in San Bernardino County, California to Topock Road in Mohave County, Arizona at Colorado River Bridge (BR# 54-0415)

\$150 Mil project





Cross
Section

NOTE:
TEMP. TRESTLE AREA (BOTH SIDES) 82,385 SQFT
TEMP. CROSS TRESTLE (EA) 6,400 SQFT

LEGEND

- TEMP. TRESTLE (40' TYP.)
- TEMP. ACCESS ROUTE (25' TYP., 16' WHERE LIMITED SPACE)
- WORK LIMITS

Alternative 1 (Existing Alignment)



District 8 Delivery Methods

District 8	
Total miles	1,358
Regional JOC	238
CMGC*	566
Dig Smart	87
Standalone	449

* Regional CMGC to be advertised by 31 January 2023

** Dig Smart miles included in other delivery methods



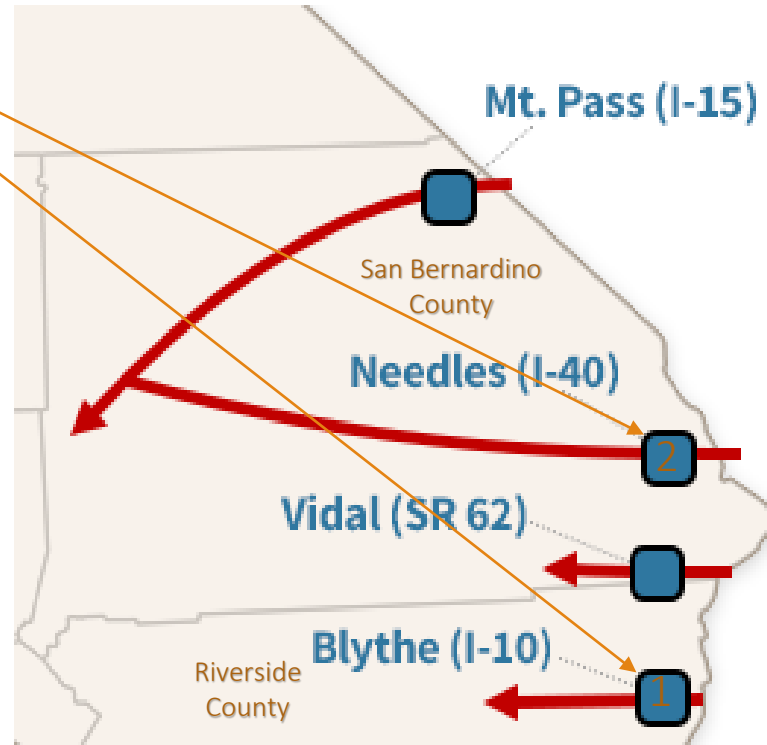
1) Blythe Border Station (I-10)

Riverside County, CA

PA&ED phase

Food and Agriculture Stations- (16 Statewide)

4 in District 8



Current Projects:

1. Blythe (I-10), EA 1L040, County of Riverside
2. Needles (I-40), EA 1M440, County of San Bernardino



Blythe Border Protection Station Aerial View



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

CDFA MISSION STATEMENT

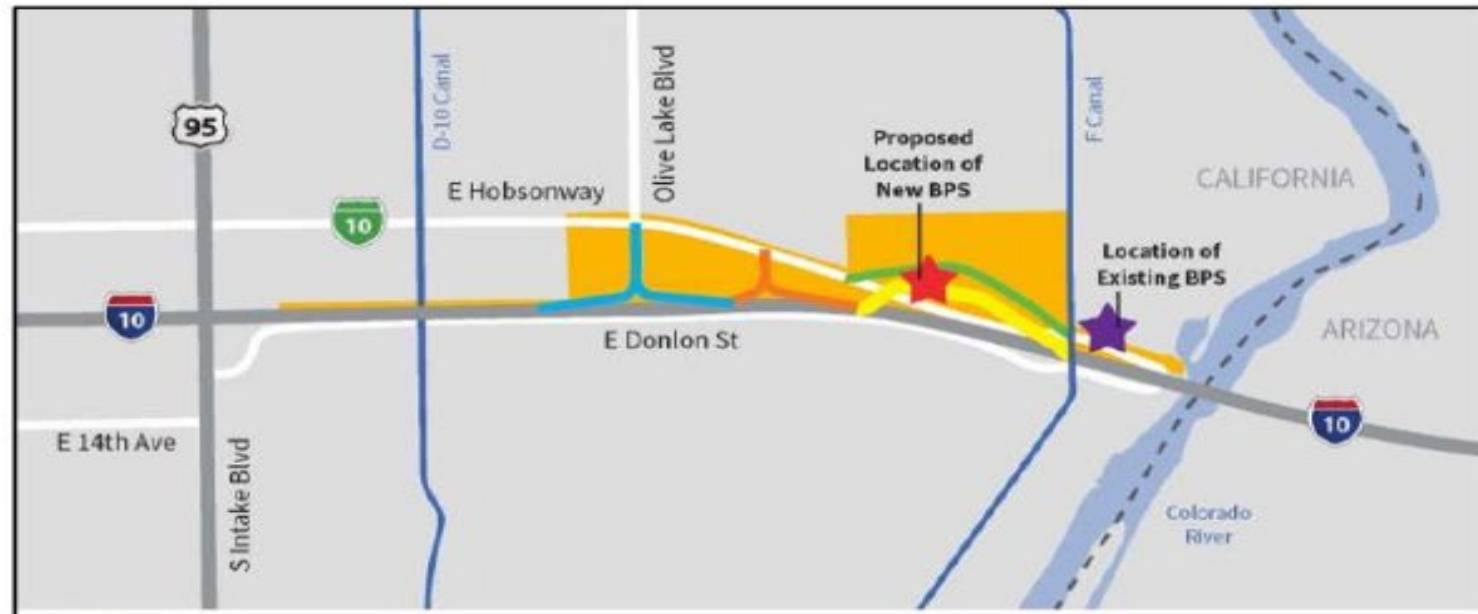
"To serve the citizens of California by promoting and protecting a safe, healthy food supply, and enhancing local and global agricultural trade, through efficient management, innovation and sound science, with a commitment to environmental stewardship."



CDFA VISION

"To be recognized as the most highly respected agricultural agency in the world by leading and innovating in the 21st century."

PROJECT MAP:



Border Protection Station

Replacement Project

Status and Conceptual Plan Review
January 19, 2023



2) Needles Border Station (I-40)

Estimated Project Cost: \$75M

Preliminary Target Schedule:

MileStone	Target Date
PID	N/A
Federal Land Transfer	Sept. 2023
PA&ED	Oct. 2025
PS&E	Dec. 2027
RTL	Dec. 2028
Beg. Const	July 2028
End Const	Oct. 2030



San Bernardino County, CA PIR stage (Agreement just approved-18 month)



D-8 Emergency Storm Response



12 month look Ahead D-8 projects (1 of 5)

#	EA	Project Description	County	Route	PM Begin	PM End	Estimated Cost	Advertised Date
1	1H850	INSTALL PAVING BEYOND GORE AREAS, VEGETATION CONTROL, ADDING MAINTENANCE VEHICLE PULLOUTS AND ACCESS GATES	VAR	VAR	VAR	VAR	\$6,967,000	03/07/2023
2	1J670	UPGRADE FACILITIES TO AMERICAN WITH DISABILITY ACT (ADA) STANDARDS	RIV	015	9.4	16.3	\$2,234,000	03/13/2023
3	1G890	ENHANCE HIGHWAY WORKER SAFETY BY INSTALLING MAINTENANCE VEHICLE PULLOUTS, SLOPE PAVING, PAVING BEYOND GORE AREAS, AND INSTALLING VEGETATION CONTROL	RIV	015	8.2	13.9	\$4,259,000	03/24/2023
4	1J700	REPLACE EXISTING WEIGH-IN-MOTION SYSTEM & INSTALL CMS	RIV	010	59.3	59.5	\$3,301,000	04/03/2023
5	1G880	ENHANCE HIGHWAY WORKER SAFETY BY INSTALLING VEGETATION CONTROL, ROCK BLANKET, STAMPED CONCRETE IN AREAS BEYOND THE GORE, AND QUICK-CHANGE SIGN POST SLEEVES	SBD	015	6.7	22.3	\$12,942,000	05/01/2023
6	1J230	INSTALL RAMP METERS AND OTHER TRANSPORTATION MANAGEMENT SYSTEM ELEMENTS, WIDEN RAMPS FOR HOV BYPASS, UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS, AND INSTALL MAINTENANCE VEHICLE PULLLOUTS	RIV	060	1	12	\$9,834,000	05/01/2023
7	1M580	APPLY POLYESTER CONCRETE OVERLAY TO BRIDGE DECKS AND REPLACE JOINT SEALS	RIV	VAR	VAR	VAR	\$3,638,000	05/02/2023
8	1J840	INSTALL CHANGEABLE MESSAGE SIGNS, GUARDRAIL SHIELDING, AND MAINTENANCE VEHICLE PULLOUTS	SBD	VAR	VAR	VAR	\$10,758,000	06/05/2023
9	1H380	REPLACE AND REHABILITATE LANDSCAPING AND IRRIGATION SYSTEM	RIV	060	6.1	8	\$4,311,000	06/21/2023
10	1J630	REHABILITATE PAVEMENT, UPGRADE SAFETY DEVICES, UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS, AND ENHANCE HIGHWAY WORKER SAFETY	SBD	215	3.6	6	\$15,240,000	06/26/2023
11	1E140	INSTALL GUARDRAIL AND FLASHING BEACONS	RIV	079	VAR	VAR	\$4,602,000	07/03/2023
12	1J260	REHABILITATE PAVEMENT, REPLACE SHOULDER RUMBLE STRIP, UPGRADE CULVERTS, UPGRADE GUARDRAIL, STABILIZE SLOPES, AND ENHANCE HIGHWAY WORKER SAFETY	RIV	215	13.5	19.5	\$21,739,000	07/03/2023

12 month look Ahead D-8 projects (2 of 5)

#	EA	Project Description	County	Route	PM Begin	PM End	Estimated Cost	Advertised Date
13	1J860	UPGRADE CHANGEABLE MESSAGE SIGNS	SBD	VAR	VAR	VAR	\$17,172,000	07/03/2023
14	1L320	REHABILITATE LANDSCAPING AND IRRIGATION SYSTEMS	RIV	091	15.6	21.6	\$4,667,000	07/03/2023
15	1J910	UPGRADE CHANGEABLE MESSAGE SIGNS AND GUARDRAIL SHIELDING, AND CONSTRUCT MAINTENANCE VEHICLE PULLOUTS	VAR	VAR	VAR	VAR	\$6,020,000	08/01/2023
16	49612	INSTALL TRAFFIC MANAGEMENT SYSTEM (TMS) FIELD ELEMENTS	RIV	060	16.1	22.5	\$10,030,000	08/07/2023
17	1C570	INSTALL TRASH REMOVAL DEVICES	RIV	015	3.4	16	\$2,775,000	08/08/2023
18	1J710	SCOUR MITIGATION AND BRIDGE RAIL UPGRADE	RIV	010	91.9	115.4	\$4,457,000	08/10/2023
19	1M590	BRIDGE PREVENTIVE MAINTENANCE WORK INCLUDES BUT NOT LIMITED TO POLYESTER CONCRETE OVERLAY AND RAIL REPLACEMENT	SBD	VAR	VAR	VAR	\$4,454,000	08/10/2023
20	1K490	RECONSTRUCT 2 SAFETY ROADSIDE REST AREAS (SRRA), UPGRADE WATER/WASTEWATER, PAVING AND SITE AMENITIES (EB & WB)	SBD	040	105.1	105.9	\$33,252,000	08/25/2023
21	1H990	UPGRADE AND/OR INSTALL HORIZONTAL CURVE WARNING SIGNS	VAR	VAR	VAR	VAR	\$6,938,000	09/01/2023
22	1J850	INSTALL CHANGEABLE MESSAGE SIGNS (CMS), GUARD RAIL UPGRADES & MVP	SBD	VAR	0	0	\$12,555,000	09/01/2023
23	1G640	REHABILITATE PAVEMENT (PM R3.98/11.2) AND (16.6/35.5), INSTALL CHANGEABLE MESSAGE SIGNS, UPGRADE GUARDRAIL AND SIGN PANELS, AND UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS	SBD	395	3.981	49	\$26,714,000	09/06/2023
24	1J550	REPAIR EMBANKMENT SLOPES, REMOVE & REPLACE WALLS WITH SIDE HILL VIADUCT AND CONCRETE BARRIER RAILING	SBD	018	20.61	20.92	\$3,780,000	09/07/2023

12 month look Ahead D-8 projects (3 of 5)

#	EA	Project Description	County	Route	PM Begin	PM End	Estimated Cost	Advertised Date
25	1G670	CONSTRUCT SHOULDERS & RUMBLE STRIP	RIV	079	5.4	11.4	\$50,655,000	09/08/2023
26	1H992	UPGRADE OR INSTALL CURVE WARNING SIGNS	VAR	VAR	VAR	VAR	\$3,493,000	10/02/2023
27	1J680	UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS	RIV	060	13.3	18.4	\$1,701,000	10/02/2023
28	1H991	UPGRADE OR INSTALL CURVE WARNING SIGNS	VAR	VAR	VAR	VAR	\$6,863,000	11/01/2023
29	1L920	MITIGATION STRATEGY THAT ADDRESSES 150 ACRES OF DESERT TORTOISE SUITABLE HABITAT, 4 ACRES OF DESERT WATERS AND 0.2 ACRES OF WETLANDS	SBD	VAR	0	0	\$0	11/02/2023
30	1E340	CONSTRUCT BEST MANAGEMENT PRACTICES TO ACHIEVE STATEWIDE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT COMPLIANCE UNITS FOR TOTAL MAXIMUM DAILY LOAD	RIV	015	15.9	20.3	\$3,541,000	11/17/2023
31	1J870	UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS	RIV	015	16.3	52.3	\$2,480,000	12/07/2023
32	1J540	SEISMIC WORK AND BRIDGE RAIL UPGRADE TO MAKE STANDARD	SBD	015	2.4	2.4	\$14,145,000	12/15/2023
33	1N500	TO REMOVE THE NONNATIVE AND INVASIVE PLANTS ALONG THE ROAD EDGE AND REPLACE THEM WITH CULTURALLY AND BIOLOGICALLY APPROPRIATE SPECIES.	RIV	VAR	VAR	VAR	\$4,896,000	12/29/2023
34	1C072	REHABILITATE PAVEMENT & INSTALL TMS ELEMENTS	RIV	074	27.5	34.3	\$16,782,000	02/05/2024
35	1N360	BROADBAND MIDDLE MILE 6.8 MILES. INSTALL A FIBER OPTIC CABLE SYSTEM IN RIV COUNTY ON RIV 74 WITHIN THE PROJECT LIMITS.	RIV	074	VAR	VAR	\$2,380,000	02/05/2024
36	1J470	REPLACE EXISTING ROCK SLOPE PROTECTION TO RESTORE SCOUR PROTECTION (RSP) TO RESTORE SCOUR PROTECTION	RIV	010	87.96	90.98	\$7,308,000	02/06/2024

12 month look Ahead D-8 projects (4 of 5)

#	EA	Project Description	County	Route	PM Begin	PM End	Estimated Cost	Advertised Date
37	1J610	REHABILITATE PAVEMENT, UPGRADE CURB RAMPS TO AMERICANS WITH DISABILITIES ACT STANDARDS, AND REPLACE SIGNS	RIV	215	40.5	42.7	\$24,010,000	02/08/2024
38	1J290	REHABILITATE PAVEMENT, UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS, UPGRADE GUARDRAIL, ENHANCE HIGHWAY WORKER SAFETY, AND INSTALL SLOPE STABILIZATION AND EROSION CONTROL MEASURES	RIV	215	25	31.2	\$33,615,000	03/08/2024
39	1J330	UPGRADE WATER AND WASTEWATER TREATMENT	SBD	015	160.9	161.5	\$12,429,000	04/02/2024
40	1J300	REHABILITATE PAVEMENT, REHABILITATE DRAINAGE SYSTEMS, UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS, AND UPGRADE SIGNS	SBD	018	90.9	96.6	\$16,441,000	05/01/2024
41	0R010	CONSTRUCT B CANYON	RIV	091	0.348	0.348	\$3,600,000	05/02/2024
42	1G630	COLD PLANE 0.20' AND OVERLAY 0.20' WITH RHMA-G WITH DIGOUTS	RIV	111	47.2	55.3	\$15,653,000	05/06/2024
43	1J310	REHABILITATE CULVERTS AND INSTALL CHANGEABLE MESSAGE SIGNS	SBD	018	34	44.3	\$4,571,000	05/06/2024
44	0G850	RECONSTRUCT AND UPGRADE EASTBOUND AND WESTBOUND SRRA FACILITIES	RIV	010	71.2	72.6	\$28,811,000	07/05/2024
45	1K690	WIDEN ROADWAY TO PROVIDE 2' MEDIAN BUFFER & 4' SHOULDERS, INSTALL RUMBLE STRIPS, UPGRADE GUARDRAIL & REGRADE SIDE SLOPES	RIV	074	5.7	11.8	\$71,259,000	07/12/2024
46	1J270	REHABILITATE PAVEMENT AND WIDEN SHOULDERS	SBD	247	0	23	\$25,087,000	08/01/2024
47	1F400	UPGRADE BRIDGE RAILS AND WIDEN 2 BRIDGES	SBD	066	21.3	21.3	\$5,089,000	08/05/2024
48	1G660	REHABILITATE PAVEMENT AND UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS & ADD SIDEWALK AS A COMPLETE STREETS ELEMENT	SBD	066	20.14	23.15	\$16,376,000	08/05/2024

12 month look Ahead D-8 projects (5 of 5)

#	EA	Project Description	County	Route	PM Begin	PM End	Estimated Cost	Advertised Date
49	1J720	PAVEMENT REHABILITATION, UPGRADE SIGNS AND LIGHTING, UPGRADE CURB RAMPS TO AMERICANS WITH DISABILITIES ACT STANDARDS, AND UPGRADE SAFETY DEVICES	SBD	040	0	15	\$36,442,000	08/05/2024
50	1J450	REHABILITATE PAVEMENT AND DRAINAGE SYSTEMS; UPGRADE GUARDRAIL, LIGHTING, AND SIGN PANELS; UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS; AND ENHANCE HIGHWAY WORKER SAFETY IMPROVEMENTS	RIV	243	0	29.7	\$16,437,000	09/03/2024
51	1K400	CONSTRUCT AUX LANES, EMPIRE CREEK BR NO 261L/R WIDENED IN BOTH DIRECTIONS, RANCHO CALIFORNIA RD ON-RAMPS WIDENED, CONSTRUCTION OF SOUNDWALLS & TIEBACK WALL, REHABILITATE LIGHTING, REHAB DRAINAGE, INSTALL TMS ELEMENTS, UPGR GUARDRAIL	RIV	015	3.5	6.8	\$31,932,000	09/25/2024
52	1J280	REHABILITATE PAVEMENT AND UPGRADE FACILITIES TO AMERICANS WITH DISABILITIES ACT STANDARDS	SBD	083	7.6	11.1	\$23,449,000	10/01/2024
53	1M040	COLD PLANE AND OVERLAY ALL LANES OF TRAFFIC (2 LANES) AND SHOULDERS IN THE WB DIRECTION WITH 0.1 FEET OF HOT MIX ASPHALT TYPE O (HMA-O)	SBD	040	140	141.6	\$1,223,000	11/04/2024
54	1J320	CONSTRUCT NEW MAINTENANCE FACILITY AT EXISTING LOCATION	RIV	074	17.8	17.8	\$5,496,000	12/02/2024
55	1L890	CONSTRUCT 4-FOOT MEDIAN BUFFER, INSTALL SHOULDER RUMBLE STRIPS & UPGRADE EXISTING METAL BEAM GUARDRAIL	SBD	395	4.8	7.6	\$6,429,000	01/03/2025
56	1M740	RECONSTRUCT LANES 3 & 4, OUTSIDE SHOULDER OF WB SR-210, ADD ADDITIONAL DRAINAGE INLET ON WB ON-RAMP, MINOR RECONSTRUCTION OF THE WB ON-RAMP ISLAND	SBD	210	1.2	1.6	\$2,913,000	02/03/2025

Total \$728,145,000



**We foster
Engagement, Equity,
Innovation, Integrity & Pride**

