SHOPP Program Update and Route 37/121 Signing/Striping

Speaker: Dan McElhinney, Caltrans
37 Policy Group Meeting
March 1, 2018

SB1 and Regional Workload on State Highway System

- State Highway Operation and Protection Program (SHOPP)
- SB1 Passage Has Accelerated Funding and Delivery
- SHOPP 10-Year Plan Development
- 2018 SHOPP Update
- SB1 Congested and Trade Corridors Competitive Programs

SB1 and State Highway Operation & Protection Program (SHOPP)

- Asset management and fix-it-first priority
- Protect, preserve and rehabilitate State Highway System infrastructures
- Respond to emergency, safety or mandated needs
- Pre-SB1: Average $300 million invested per year for Bay Area
- SB1 doubles the investment

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA
CALTRANS DISTRICT 4

Project Initiation Documents for Project Studies are planned for Route 37:

This list was downloaded

ID	District Priority	County	Route	BackPM	AheadPM	PID Cycle	Projected SHOPP Cycle	Projected RTL FY	Requested SHOPP Cycle	HQ PM Concurrence TYP	HQ PM Concurrence PID	Activity Category	R/W Cap ($K)	Const Cap ($K)	Support Cost ($K)	Total Cost ($K)
11302	12	SOL	037	0	11.2	2020	2020	2024/25		9/7/2017		CAPM from Son/Sol County Line to Sage St	$50	$8,211	$2,500	$10,761
13669		SON	037	0	6.245	2022	2022	2024/25		9/7/2017		Pavement Rehab	$0	$13,585	$4,076	$17,661
20142	40	SON	037	0.4	2.3	2020	2020	2023/24		8/18/2017		Drainage system restoration from Railroad Ave to Lakeville	$50	$550	$500	$1,100
20395	3	SON	037	2.7	2.7	2020	2020	2023/24				New weigh-in motion scales in City of Sonoma	$10	$1,700	$520	$2,230
20471	3	SON	037	3.92	4.12	2020	2020	2023/24		11/3/2017		Extend 2 lane sction on eastbound SR-37 and improve railroad crossing from SR-37/121 intersection to 1000 ft past Tolay Creek Bridge	$10	$7,000	$2,000	$9,010
20520	4	SON	037	R6.85	R7.31	2020	2020	2024/25		10/13/2017		Improve westbound SR-37 lane merge from 500 ft east of to 1500 ft west of SR-37/Walnut Ave IC	$10	$5,000	$1,750	$6,760
20581	4	SON	037	3.78	4.00	2020	2020	2023/24		11/3/2017		Construct roundabout at the intersection of SR-37 and SR-121	$10	$30,000	$10,500	$40,510
20603	29	SOL	037	6.0	7.3	2020	2020	2023/24				Near Vallejo, from 1.3 miles west of Railroad Ave to Railroad Ave, raise highway with imported borrow	$5,000	$25,000	$10,000	$40,000
20694		MRN	037	11.2	13.7	2020	2020	2025/26				Raise mainline profile to resolve flood problems from Route 101 to Atherton Ave UC	$1,000	$125,000	$12,000	$138,000
20749		MRN	037	14.5	15.0	2020	2020	2023/24		9/1/2017	12/5/2017	Petaluma River Bridge - resurface deck and replace fender system	$50	$12,300	$5,000	$17,350
20899		SOL	037	6.7	11.73	2020	2020	2023/24		12/18/2017		Install ramp metering on westbound Rte 37 from Rte 80 to Railroad-Walnut. Install TOS on westbound/eastbound Rte 37.	$11	$36,543	$16,444	$52,998

The projects below are also on the 2020 PID Workload, but not shown on the SHOPP Tool Ten Year Plan (most likely because they are in 2018 SHOPP Cycles):

ID	District Priority	County	Route	BackPM	AheadPM	PID Cycle	Projected SHOPP Cycle	Projected RTL FY	Requested SHOPP Cycle	HQ PM Concurrence TYP	HQ PM Concurrence PID	Activity Category	R/W Cap ($K)	Const Cap ($K)	Support Cost ($K)	Total Cost ($K)
13658		MRN	37	11.2	14.6							CAPM + Settlement Repair - PID completed				$24,340
17969		SOL	37	Var	Var							Improve Safety, Rectangular Rapid Flashing Beacon				$1,610

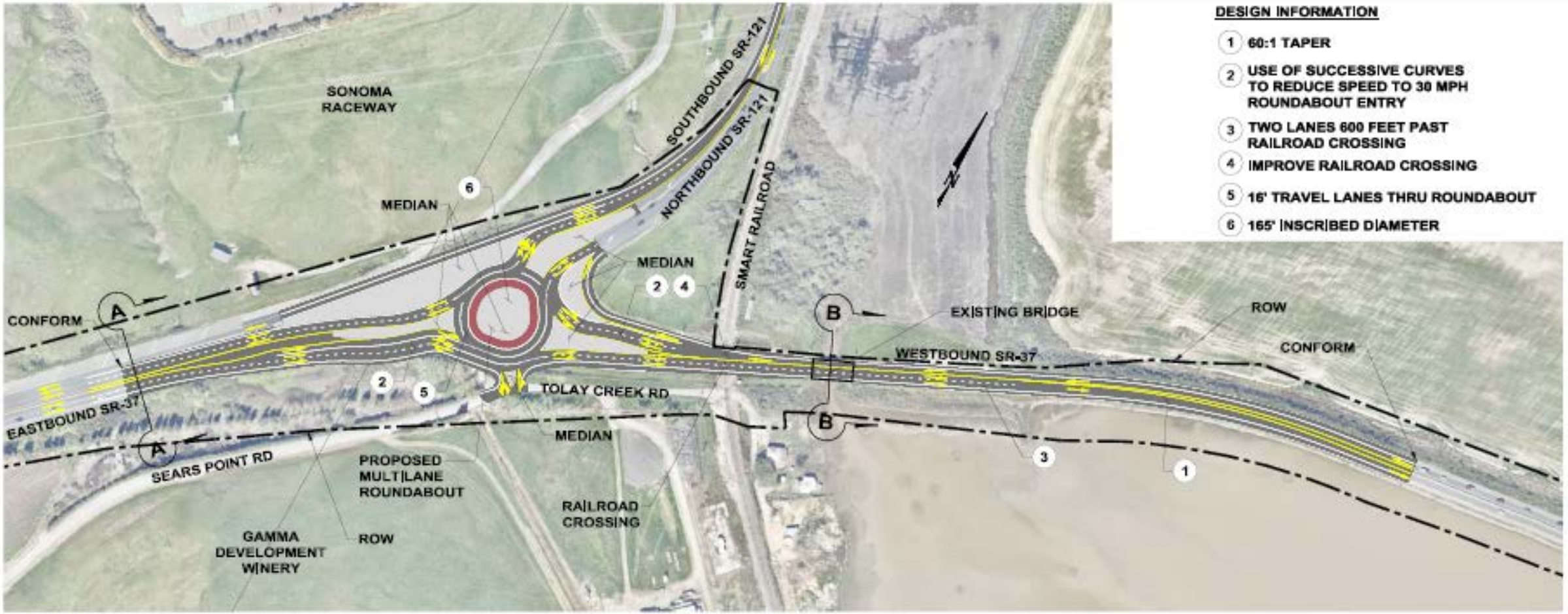
Proposed SHOPP 10-Year Plan Development
SR 37 Workload List

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA

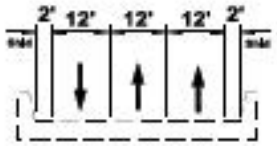
CALTRANS DISTRICT 4

SR 37 Projects Included in FY 17/18 PID Work Plan

County	Route	Begin Postmile	End Postmile	Purpose & Need	Improvement Description	Project Type and Funding SHOPP (0042), SHOPP SB-1 (3290), State Sponsored (0042) or Reimbursement (0042R)(SHOPP, SHOPP SB-1, State, R)	Anchor Asset (Main Category)	PID Status	% Complete	Target Completion Date (MM/DD/YYYY)	Total Pre-PID Estimated Project Cost ($M) (Construction + ROW + Support Costs)	Target FY for RTL
SOL	37	0.00	11.20	Pavement preservation (Long Lead)	Pavement CAPM from Son/Sol County line to Sage Street UC	SHOPP SB-1	Pavement	Proposed	0	6/29/2018	$ 10.76	2024/25
SOL	37	Various	Various	Improve safety and reduce accidents	In Solano County on various route (Rte. 37, 80 & 780) at various location - Install Flashing Beacons	SHOPP	Safety - Collision Reduction	Active	35	6/29/2018	$ 1.61	2022/23
SON	37	3.78	4.00	Operational Improvements	SON-037-PM3.78/4.00 & SON-121-PM0.00/0.15 - Construct a roundabout at the intersection of SR-37 and SR-121	SHOPP	Mobility	Proposed	0	6/28/2019	$ 40.51	2025/26 (long L)



SECTION A-A
NO SCALE



SECTION B-B
TOLAY CREEK
NO SCALE

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA
CALTRANS DISTRICT 4

SB1 Accelerated $588 million Funding & 22 SHOPP Projects in District 4

22 SHOPP Projects Accelerated $588M at recent CTC Meetings	
June CTC	**August CTC**
2 Projects	2 Projects
$35 million	$41 million
July CTC	**October CTC**
3 Projects	15 Projects
$187 million	$325 million

22 SHOPP Projects Accelerated of various assets:	
Bridge	**Mobility**
8 Projects	6 Projects
$213 million	$164 Million
Pavement	**Drainage**
5 Projects	3 Projects
$187 million	$24 million

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA
CALTRANS DISTRICT 4

SB1 Accelerated Delivery of 5 Projects $61 million in Summer 2018

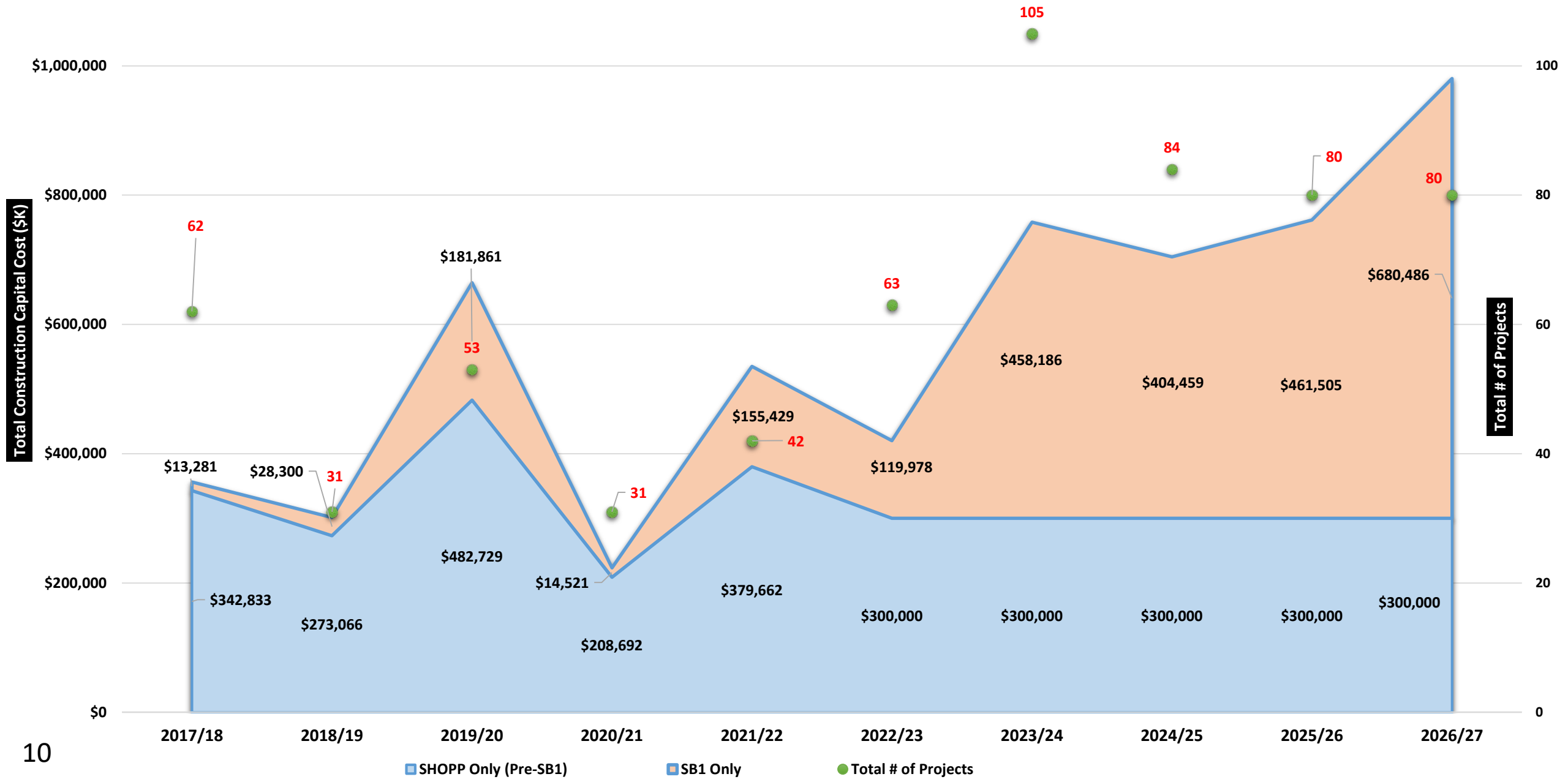
EA	County	Route	Project Description	Construction Capital (1,000s)
04-15148	ALA	880/84	Widen ramps and install ramp metering.	$ 13,281
04-4J281	SCL	82	San Jose, from McKendrie Street to Lawrence expressway.	$ 9,120
04-4G113	ALA	680	Install ramp meters, ramp HOV bypass lanes, and traffic operations systems (TOS).	$ 28,300
04-15161	MRN	101	Install ramp metering and traffic operations system (TOS) elements.	$ 9,700
04-0G221	ALA/CC	VAR	In Alameda and Contra Costa Counties at various locations. Construct curb ramps and passageways.	$ 700

SB1 Accelerated Funding in Bay Area

3 New I-80 Freight Corridor Improvement Projects - $143 million for FY 2019/2020

EA	County	Route	Nickname	Construction Capital (1,000s)
04-2K830	ALA	80	Increase Vertical Clearance	**27,687**
04-2K840	SOL	80	Sol-80/29 Separation	**11,937**
04-4K810	ALA	80	MacArthur Maze/Increase Vertical Clearance	**105,489**

District 4 - 10-Year SHOPP Investment



District 4 - 10-Year SHOPP Investment

FY	Total Number of Projects	Construction Capital Cost (million)
2017/18	61	356
2018/19	28	301
2019/20	50	665
2020/21	29	223
2021/22	42	535
2022/23	63	420
2023/24	105	758
2024/25	84	704
2025/26	80	762
2026/27	80	980
Total	**622**	**$5,701**

D-4 SHOPP 10-Year Plan		
County	**Number of Projects**	**Construction Capital Cost (million)**
ALA	141	1,493
CC	47	408
MRN	45	437
NAP	49	269
SCL	94	975
SF	30	404
SM	75	480
SOL	56	480
SON	85	755
Total	**622**	**$5,701**

D-4 SHOPP 10-Year Plan		
Assets	**Number of Projects**	**Construction Capital Cost (million)**
Bridge	68	322
Pavement	137	2,503
Drainage	53	145
TMS	107	1,357
Others	257	1,374
Total	**622**	**$5,701**

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA
CALTRANS DISTRICT 4

District 4 - Draft 2018 SHOPP

D-4 2018 SHOPP Summary		
County	**Number of Projects**	**Construction Capital Cost (million)**
ALA	46	547
CC	10	163
MRN	10	51
NAP	11	52
SCL	25	284
SF	9	191
SM	15	125
SOL	7	129
SON	16	178
Total	**149**	**$1,720**

D-4 Draft 2018 SHOPP Summary		
Assets	**Number of Projects**	**Construction Capital Cost (million)**
Bridge	28	147
Drainage	4	29
Pavement	23	668
TMS	8	101
Others	86	774
Total	**149**	**$1,720**

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA
CALTRANS DISTRICT 4

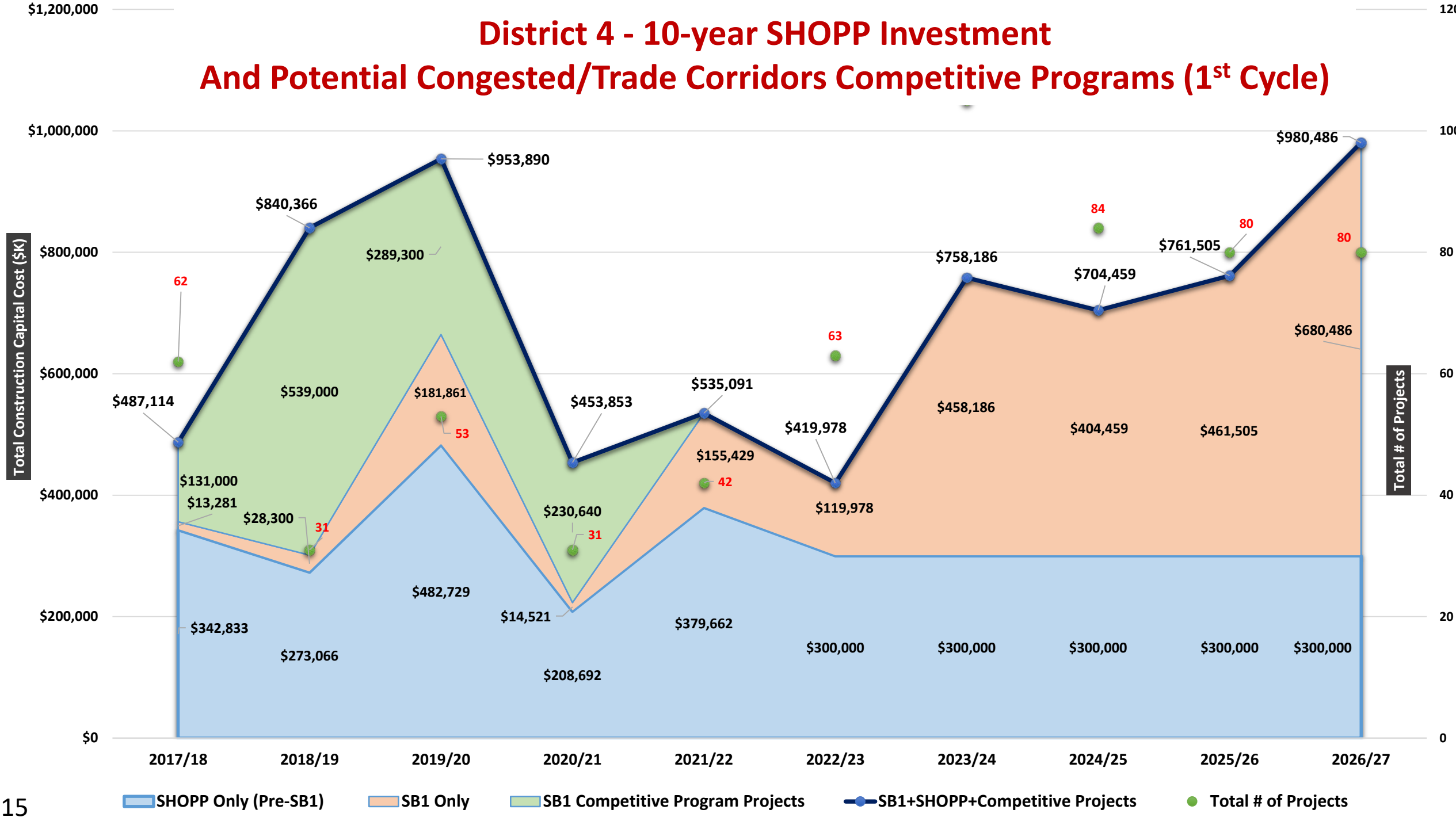
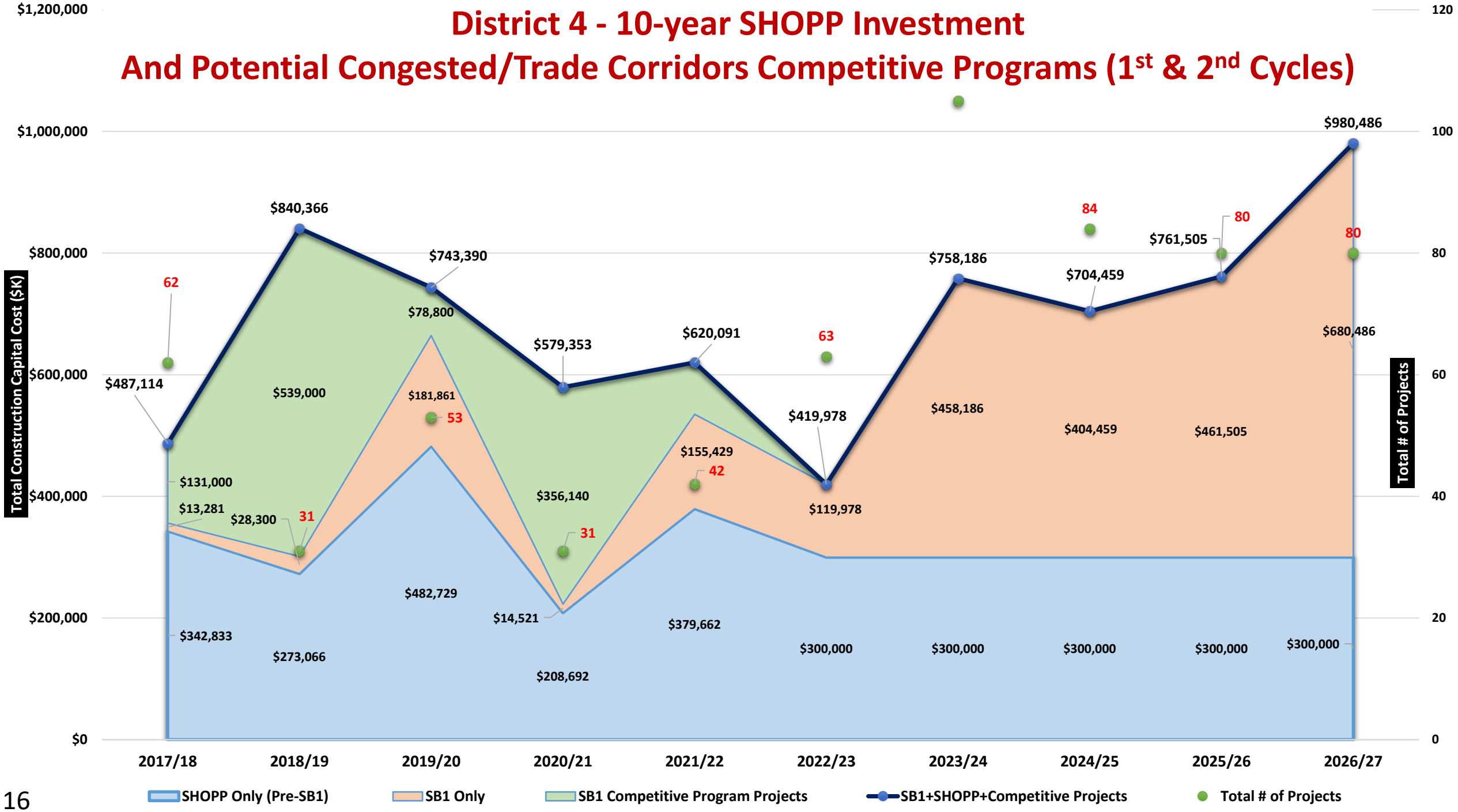
District 4 - Candidates for SB1 Congested & Trade Corridors Programs

	County	Route	PM	Project Name	Project Description	FY	Construction Capital ($1000)
1	SOL	80	R10.4 / 30.2	Sol 80 Express Lanes	Construct new express lanes and convert existing HOV lanes to express lanes from Red Top Road to Air Base Parkway	17/18	$131,000
2	SON	101	4.0 / 7.1	Marin Sonoma Narrows HOV	Add 1 HOV lane in each direction from the SR 116 interchange to north of Corona Road	18/19	$75,900
3	SM SCL	101 101	0.000 / 21.8 45.7 / 52.6	SM/SCL 101 Managed Lane Project	San Mateo & Santa Clara Counties: Managed lanes from near SR 237 to north of I-380.	18/19	$416,000 $47,100
4	MRN	101	20.9 / 27.0	Marin Sonoma Narrows HOV	Construct HOV lane: northbound from 1.8 mile north of Atherton Avenue to 0.6 mile south of the Marin/Sonoma County line and southbound from 0.6 mile south of the Marin/Sonoma County line to the Franklin Avenue Overhead	19/20	$78,800
5	SOL	80	10.6 / 13.5	80/680/12 ICP	Packages 2A, 2B and 3: provide new connector from eastbound SR-12 to eastbound I-80, new connector from westbound I-80 to southbound I-680 and improve connections to the Red Top Road interchange.	19/20 20/21	$95,000 $85,000
6	SOL	80	14 / 15.7	I-80 WB Cordelia Truck Scales Relocation Project	Replace existing truck scales on WB I-80 at Cordelia with new facility at 0.7 miles east of existing location, and add new braided off-ramp connection, new entrance ramp connection to WB I-80 and direct access from westbound SR-12.	19/20	$115,500
7	ALA	680/ 84	10.3/15.3 17.9/22.9	680/84 I/C Improvement & Expressed Lane Extension	Make operational improvements to SR84/I-680 interchange and extend southbound express lane about two miles to the north.	20/21	$145,640
							$1,189,940

District 4 - Candidates for SB1 Congested & Trade Corridors Programs

	County	Route	PM	Project Name
1	SOL	80	R10.4/30.2	Sol 80 Express Lanes
2	SON	101	4.0/ 7.1	Marin Sonoma Narrows HOV
3	SM/SCL	101 101	0.000/ 21.8 45.7 / 52.6	SM/SCL 101 Managed Lane
4	MRN	101	20.9 / 27.0	Marin Sonoma Narrows HOV
5	SOL	80	10.6 / 13.5	80/680/12 ICP
6	SOL	80	14 / 15.7	I-80 WB Cordelia Truck Scales Relocation Project
7	ALA	680/84	10.3/15.3 17.9/22.9	680/84 I/C Improvement & Expressed Lane Extension

District 4 - 10-year SHOPP Investment
And Potential Congested/Trade Corridors Competitive Programs (1st Cycle)



District 4 - 10-year SHOPP Investment
And Potential Congested/Trade Corridors Competitive Programs (1st & 2nd Cycles)