

Caltrans District 3ITS/Operational Improvement Projects

List #	ID/EA Number	County	Route	Beg PM	End PM	Project	Location	Description	Direction	Status	Program Document	Sponsoring Agency	Proposed Completion Year	Funding - Estimated Capital Cost	Funding - Estimated Support Cost	As of: 1/13/2016		
																Funding - Estimated TOTAL Cost	Benefit/Cost Ratio	Planning Organization
2	4F450	Sacramento	5	16.1	26.7	ITS	Road Overcrossing to Route 5/80 Separation. Install fiber optic cable.	Fiber Optic Communications		Planned		Caltrans	2016			\$10,500,000	10.1*	Sacramento Area Council of Governments (SACOG)
4		Sacramento	51	8.86	4.353	Ramp metering system	from American River to Route 51/I-80 separation	Construct metering/surveillance system		Planned	None	Caltrans	2015	1,400,000	600,000	2,000,000	1.2	Sacramento Area Council of Governments (SACOG)
7	3F240	Sacramento	5	Var	Var	Vehicle detection system	78 locations, in 11 counties on I-5, SR65, I-80, US50, SR51, SR89 & SR99	Detection Repair		Planned	None	Caltrans	2020	1,122,000	578,000	\$1,700,000	13.5	Sacramento Area Council of Governments (SACOG)
15		Sacramento	160	L0.00	L10.78	Acceleration lane	Brannan Island State Park	Construct acceleration and deceleration lane (SHOPP)	NB	Planned	None	Caltrans	2020			\$267,000	2.5	Sacramento Area Council of Governments (SACOG)
16		Sacramento	160	L4.231	L4.231	Intersection modification	at West Sherman Island Road	Construct left-turn pocket and lighting		Planned	None	Caltrans	2020			Unknown	6.0	Sacramento Area Council of Governments (SACOG)
19	2F630K	Sacramento	5	31.751	32.487	Deceleration lane	To Airport Blvd.	Construct 3/4 mile deceleration lane		Planned	Conceptual	Caltrans	2020			\$2,000,000	12.0	Sacramento Area Council of Governments (SACOG)
20		Butte	162	18.46	22.9	Shoulder widening	SR 162 from Oroville City Limits to Miners Ranch Road	Shoulder widening, additional lanes, curve corrections, and turn pockets (2030 Butte County General Plan)		Planned	No	Caltrans	2025	6,000,000	2,500,000	\$8,500,000	0.0	Butte County Association of Governments (BCAG)
24		Nevada	267		M0.066	Construct two-lane roundabout	SR 267 at I-80 eastbound ramps	Construct two-lane roundabout (2011 Nevada County RTP)		Planned		Caltrans	2030	2,181,189	934,795	\$3,115,985	0.0	Nevada County Transportation Commission
26		Sacramento	VAR	Var	Var	ITS Check with Jeff	Sac and Pla Co on Routes 80, 50, 51, I-5 & 99	Upgrade Communications at various ITS locations Traffic signals		Planned	None	Caltrans	2020	660,000	\$340,000	\$1,000,000	3.0	Sacramento Area Council of Governments (SACOG)
27		Butte	99	R34.78	R34.79	Widen Ramp	NB off ramp at East Ave	Widen Ramp and add shoulders to prevent traffic backing up onto mainline	NB	Planned			N/A			\$1,500,000	0.5	Butte County Association of Governments (BCAG)
28		Placer	80	16.8	R18.9	Overhead signs-in construction. Move to programmed	for WB lanes approaching the SR49 WB on-ramp	"Trucks OK this lane" signs on overhead structure over #2 lane		Planned			N/A			\$500,000	3.0	Placer County Transportation Planning Agency
30		Placer	80	33	35	Add Shoulders	Colfax Narrows	Widen shoulders and construct truck descent lane		Planned			N/A			\$80,000,000	0.0	Placer County Transportation Planning Agency
31		Placer	80	26.1	26.2	Extend right turn lane	EB Applegate Off-ramp	Extend right turn lane on EB Applegate off-ramp	EB	Planned			N/A			\$1,000,000	0.2	Placer County Transportation Planning Agency
32		VAR	193	0-8.18 SR 193 between I-80 and Lincoln		Add Turnouts-PID Plan	Pla-193 between I-80 and Lincoln, and ED193 between Cool and Georgetown.	Local requests in both Placer and ED county for turnouts. Also on Minor list		Planned			2020	1,000,000	500,000	\$1,500,000	3.4	County Transportation C
33		Sutter	99	T 30.6	30.6	Interchange	intersection of SR99 and SR20	construct interchange at SR99 and SR20		Planned			2025			\$25,000,000	0.1	Sacramento Area Council of Governments (SACOG)
34	3F810	El Dorado	50	Var	Var	ITS-In design		Upgrade RWIS systems 18 locations in rural areas. Various and counties.		Planned	2014 TCR Update	SACOG	2020				3.0	El Dorado County Transportation Commission
36	4F400	Sacramento	5	33.1	33.1	ITS		Weigh-in motion repairs and concrete pavement replacement		Planned	SHOPP Ten Year Plan	Caltrans	2020			\$1,500,000	10.1*	Sacramento Area Council of Governments (SACOG)
37		Sacramento	80	15	17.2	ITS	Near Antelope Truck Scales. Keep	Repair WIM sensors and equipment and replace approach slabs		Planned	SHOPP Ten Year Plan	Caltrans	2017			\$2,542,000	3.0	Sacramento Area Council of Governments (SACOG)

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39		Yuba	70	Var	Var	ITS-keep		Install Adaptive Traffic Signal Control 17 locations in Yuba County, YUB 70/20 Various Locations		Planned	2014 TCR Update	SACOG	2019				4.5	Sacramento Area Council of Governments (SACOG)
40		Sac	5	NB 11.112 SB 11.81	TO 11.63	Transition lane	On east and west bound I-5 between Laguna and E.G. Blvds	Extend lanes on east and west bound I-5		Planned		Caltrans	2020			\$1,000,000	2.0	Sacramento Area Council of Governments (SACOG)
41		Sac	50	R2.80	R2.80	Modify Intersection	Hornet Drive ramp terminus from EB Rt-50	Construct traffic signal and widen intersection...PID		Planned		Caltrans	2020			\$2,000,000	4.5	Council of
42		Sac	50	R0.789	R0.314	Transition lane	On WB Rt-50 from the Stockton off-ramp to Rt-99 connector	Construct transition lane on WB Rt-50 with a braided ramp		Planned		Caltrans	2020			\$20,000,000	8.4	Sacramento Area Council of Governments (SACOG)
44		Sutter	20			Route 20 through Yuba City. Bike/Ped improvements, signal coordination, curve correction for STAA	Route 20 through Yuba City	Route 20 through Yuba City. Bike/Ped improvements, signal coordination, curve correction for STAA		Planned			N/A					Sacramento Area Council of Governments (SACOG)
48	4F460	Sacramento	50	Var	Var	ITS	Sac 50 12.8/15.7 Sunrise Blv to Hazel Ave OC Sac 50 0/5.1 51/99/50 Separation to Watt Ave Sac 50 L0/L2.43 Sac County Line to 50/99 separation	Fiber Optic Communications		Planned	MTIP	Caltrans	2020			\$2,750,000	10.1*	Sacramento Area Council of Governments (SACOG)
56		Sacramento	5	22.57	23.18	Auxiliary lane	US 50 entrance to P St. on-ramp	Auxiliary Lane: NB, extend #2 lane connector ramp	NB	Planned	None	Caltrans	2020			\$20,000,000	2.1	Sacramento Area Council of Governments (SACOG)
61	1F230	Sacramento/Yolo	50, 51, 80	Var	Var	Ramp metering system	14 locations: SAC80 Antelope to NB I-80 (PM 16.70), SAC80 Enterprise to EB I-80 (PM 9.1), YOL80 Reed to EB I-80 (PM 8.1-7) YOL80 Reed to WB I-80	Install ramp meters at various location in Sacramento and Yolo Counties		Planned	SACOG 2035 MTP, DSMDP Priority Congestion	Caltrans	2020			\$5,500,000	7.7	Sacramento Area Council of Governments (SACOG)
66	0F350	Sacramento/Placer/Yolo	51, 99, 65, 80, 244	Var	Var	Ramp metering system	16 locations: Pla 65 Galeria Blvd to SB Rt-65 (PM RS.704), YOL 80 Chiles Rd to EB I-80 (PM 5.6), SAC51 H St. to SB Rt-51 (PM 1.067), SAC51 N St. to SB Rt-51 (PM 0.591), SAC51 T St. to SB Rt-51 (PM 0.084), SAC99 Broadway to SB Rt-99 (PM 23.852), SAC99 12th(14th) Ave. to SB Rt-99 (PM 22.905), SAC99 Fruitridge to SB Rt-99 (PM 21.832), SAC99 MLK Jr. Blvd. to SB Rt-99 (PM 21.44), SAC99 Consumnes River to SB Rt-99 (PM 16.313 & PM 16.124), SAC51 Arden Wy to NB Rt-51 (PM 4.227), SAC99 WB 47th to SB Rt-99 (PM 20.935), SAC99 EB47th to SB Rt-99 (PM 20.734), SAC99 WB Florin to SB Rt-99 (PM 19.71), SAC99 EB Florin to SB Rt-99 (PM 19.479)	Install ramp meters at various location in Sacramento and Yolo Counties		Planned	SACOG 2035 MTP, DSMDP Priority Congestion Relief Project	Caltrans	2020			\$22,286,400 (\$11.5M programmed, \$10.78M unfunded)	> 3.0 (partial funded)	Nevada County Transportation Commission
67		Nevada	49	Var	Var	ITS	County-wide	Implement and expand Automatic Vehicle Locator systems utilizing GPS technology to track in real-time the location of transit vehicles, motor transit schedules, and dispatch transit vehicles		Planned		Caltrans					10.1 per JM	Nevada County Transportation Commission
69	1F970	Sutter	99	27.65	32.63	Operational improvement	Bogue Rd to Pease Rd	Signalization-ITS enhancements, turn pockets, and drainage improvements.		Planned	2013 DSMDP	Caltrans	2015			\$3,000,000	0.6	Sacramento Area Council of Governments (SACOG)
70		Nevada	20	31.3	31.3	Intersection modification	Washington Road	Construct EB left-turn lane & improve intersection sight distance		Planned	Nevada Co RTP 2010	Caltrans	2015			\$1,300,000	0.3	Nevada County Transportation Commission
8	PLA25440	Placer	80	3.997	3.997	Interchange modification	SR 65 IC	Reconstruct IC and upgrade traffic monitoring system		Programed	SACOG MTIP	PLA/Roseville	2022	22,000,000	8,000,000	\$300,000,000	0.0	Placer County Transportation Planning Agency
9		Placer	174	0.14	0.14	Intersection modification	South Auburn St. and Central in Colfax	Intersection improvements, right-turn lane construction		Programed	SACOG 2035 MTP	Caltrans	2016			\$669,500	TBD	Placer County Transportation Planning Agency
1		Placer	80	0.55	2.203	Auxiliary lane	Douglas Blvd. to Riverside	Construct auxiliary lane		Programmed	PCTPA, PID	PCTPA	2018			\$11,000,000 (\$7M programmed, \$4M unfunded)	8.3	Placer County Transportation Planning Agency

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3		Placer	80	4.5	5.9	Auxiliary lane	SR65 to Rocklin Rd.	Construct auxiliary lane		Programmed	PCTPA, PID	PCTPA	2018				2.0	Placer County Transportation Planning Agency
5		Placer	49	6.38	7.427	Signal coordination	Install signal at Shale Ridge Rd., coordinate to the north on Dry Creek Rd. & to the south on Bell Rd.	Extend coordinated traffic signals		Programmed	Conceptual	Caltrans	2025			\$2,000,000	4.5*	Placer County Transportation Planning Agency
6		Placer	65	R11.921	R11.921	Interchange modification	Twelve Bridges Dr.	Upgrade to a full I/C with merge lane to SB SR65; widen Twelve Bridges from 2 to 4 lanes		Programmed	SACOG MTIP	Placer Co/City of Lincoln	2015			\$3,662,100 (\$2,817,000 funded)	1.8	Placer County Transportation Planning Agency
10		Sacramento	80	2.554	2.554	HOV direct ramp/connector	I-5/I-80 Separation	Reconstruct IC, construct HOV lane connector and HOV lanes		Programmed		SAC-CT	2020			\$250,000,000	0.7	Sacramento Area Council of Governments (SACOG)
11		Placer	267	3.76	6.671	Truck climbing lane	Northstar Dr. to Brockway Summit	Extend the existing SB truck-climbing lane; shoulder widening		Programmed	Conceptual	Caltrans	2025			\$15,000,000	1.1	Placer County Transportation Planning Agency
12		Sacramento	51	1.44	2.6	Transition lane	E. St. to American River Bridge	Construct transition lane		Programmed	SACOG 2035 MTP, PSR/PDS in development	Caltrans	2020			\$8,300,000 (\$0.9M programmed, \$7.4M unfunded)	19.0	Sacramento Area Council of Governments (SACOG)
13		Sacramento	5	20.53	23.57	Auxiliary lane	US50 connector ramp to Sutterville Rd. off-ramp	Construct auxiliary lane		Programmed	SACOG 2035 MTP	Caltrans	2020			\$4,746,000	16.4	Sacramento Area Council of Governments (SACOG)
14		Sacramento	5	25.369	25.526	Transition lane	Garden Hwy off-ramp to Garden Hwy on-ramp	Construct transition lane		Programmed	SACOG 2035 MTP	Caltrans	2020			\$4,000,000	12.7	Sacramento Area Council of Governments (SACOG)
17		Sacramento	5	31.751	32.487	Deceleration lane	To Airport Blvd.	Construct 3/4 mile deceleration lane		Programmed	Conceptual	Caltrans	2020			\$2,000,000	12.0	Sacramento Area Council of Governments (SACOG)
18		Butte	99	R29.37	R36.9	ITS	Between Southgate Ave. & JNO W. Eaton Rd.	Install & implement full range of ITS elements		Programmed	SR99 CSMP (North)	Caltrans	2020			\$6,728,800	5.1	Butte County Association of Governments (BCAG)
21		Sacramento	50	R7.729	R9.485	Auxiliary lane	Bradshaw Rd. to Mather Field Rd.	Construct auxiliary lanes (EB & WB)		Programmed	SACOG 2035 MTP	Caltrans	2020			\$6,000,000	10.7	Sacramento Area Council of Governments (SACOG)
22	3F810	Sacramento/Placer/Yolo/El Dorado/Nevada	Var	Var	Var	Traveler information system-Programmed	18 locations: PLA80 (PM 53.3, 63.5), NEV80 (PM 5.1, 9.1, 19.3, 27.3), ELD50 (PM 66.8), PLA267 (PM 6.7), NEV267 (PM 0.4), YOL80 (PM 5.7, 8.9), SAC80 (PM 0.4), SAC51 (PM 3.0), YOLS (PM 0.8), SAC5 (PM 24.8), SAC99 (PM 8.8), PLAB9 (PM 10.4), PLA28 (PM 3.0)	Roadway Weather Information Systems (RWIS) upgrade		Programmed	2016 SHOPP, SCVP PID	Caltrans	2022			\$1,635,436	10.0*	Sacramento Area Council of Governments (SACOG)
23	3F820	Various	Var	Var	Var	ITS-Programmed	25 locations: I-5, SR65, I-80, US50, SR51, SR89, & SR99	Highway Advisory Radio (HAR) upgrades		Programmed	2016 SHOPP, SCVP PID	Caltrans	2018			\$1,843,200	10.0*	Sacramento Area Council of Governments (SACOG)
25		Sacramento	Var	Var	Var	Traveler information system	110 locations	Travel time detection and notification		Programmed	Conceptual	Caltrans	2020			\$1,939,200	10.0*	Sacramento Area Council of Governments (SACOG)
29		Sacramento	5	16.141	17.171	Auxiliary lane	Pocket Rd. to Florin Rd.	Construct auxiliary lanes (SB & NB)		Programmed	SACOG 2035 MTP	Caltrans	2020			\$7,100,000	6.2	Sacramento Area Council of Governments (SACOG)
35		Sacramento	50	3.629	3.759	Transition lane	NB Howe Ave. on-ramp to SB Howe Ave. on-ramp	Construct transition lane		Programmed	SACOG 2035 MTP, PSR	Caltrans	2020			\$3,000,000	5.4	Sacramento Area Council of Governments (SACOG)
38		Sutter	99	27.65	R32.639	Operational Improvements		Install signal and add and upgrade (Traffic Operations System) TOS elements. 7		Programmed	SACOG MTP	SACOG	N/A			\$3,528,769	2.4	Sacramento Area Council of Governments (SACOG)
43		Sacramento/Yolo	50, 51, 80	Var	Var	Ramp metering system	14 locations: SAC80 Antelope (PM 16.70), SAC80 Enterprise (PM 9.1), YOL80 Reed EB (PM R11.2), YOL80 Reed WB (PM R11.2), SAC99 Elkhorn WB (PM 33.41), SAC99 Elkhorn EB (PM 33.18), SAC99 Laguna (PM 13.8), SAC99 Laguna (PM 13.8), SAC99 Laguna (PM 13.8)	Install ramp meters		Programmed	SACOG 2035 MTP	Caltrans	2020			\$5,500,000	7.7	Sacramento Area Council of Governments (SACOG)
45		Sacramento/Placer/Yolo	5, 65, 99, 80	Var	Var	Ramp metering system		Install ramp meters		Programmed	SACOG 2035 MTP	Caltrans	2020			\$4,800,000	5.0	Sacramento Area Council of Governments (SACOG)

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46		Sacramento	50	TMC	TMC	ITS	Transportation Management Center (Rancho Cordova)	Upgrade video wall at regional TMC		Programmed	SACOG MTP/2016 SHOPP/PID in-progress	Caltrans	2020			\$1,000,000	3.0*	Sacramento Area Council of Governments (SACOG)
47		Butte	99	29.367	29.367	Interchange construction & modification	Entler/Southgate Ave.	Construct I/C & extend Otterson Dr., Entler Dr., Heagan Rd. & Speedway		Programmed	BCAG MTP 2012, SR99 CSMP (North)	Butte Co/City of Chico	2025			\$29,000,000	3.3	Butte County Association of Governments (BCAG)
49		Sacramento/Placer/Yolo	80, 51, 99	Var	Var	Ramp metering system	17 locations: YOC 80 Chiles Rd (PM 5.6), SACS1 H St. (PM 1.067), SACS1 N St. (PM 0.591), SACS1 T St. (PM 0.084), SAC99 Broadway (PM 2.052), SAC99 Sacramento Co: Sutterville (PM 20.388), Seamas (PM 19.186), WB Florin (PM 17.26), EB Florin (PM 17.26)	Install ramp meters		Programmed	SACOG 2035 MTP, PID	Caltrans	2020			\$22,286,400 (\$11.5M programmed, \$10.78M unfunded)	> 3.0 (partial funded)	Sacramento Area Council of Governments (SACOG)
50		Sacramento	5	Var	Var	Ramp metering system	17 locations: YOC 80 Chiles Rd (PM 5.6), SACS1 H St. (PM 1.067), SACS1 N St. (PM 0.591), SACS1 T St. (PM 0.084), SAC99 Broadway (PM 2.052), SAC99 Sacramento Co: Sutterville (PM 20.388), Seamas (PM 19.186), WB Florin (PM 17.26), EB Florin (PM 17.26)	Install ramp meters		Programmed	SACOG 2035 MTP	Caltrans	2020			Alt 1 \$2,203,700, Alt 2 \$10,861,900	Alt 1 (9.7); Alt 2 (2.0)	Sacramento Area Council of Governments (SACOG)
51		Yolo	16	26.369, 38.856	26.369, 38.856	Intersection modification	Road 85B	Signalize intersection, lighting at Road 85B, lighting at Road 96		Programmed	Conceptual	Caltrans	2020			\$1,600,000	Tom	Sacramento Area Council of Governments (SACOG)
52		Yuba	20	R2.610	R2.940	Acceleration lane	17th St. and 22nd St.	Extend acceleration lane; construct median refuge		Programmed	Conceptual	Caltrans	2020			\$1,000,000	17.3	Sacramento Area Council of Governments (SACOG)
53	2F320	Yuba	20	7.9	9.4	Passing lane-Possible Programmed	Loma Rica Rd. to Kibbe Rd.	Install shoulders, left-turn channelization & passing lanes		Programmed	SACOG 2035 MTP/ SR 20 TCR	Caltrans	2025			\$2,500,000	1.3	Sacramento Area Council of Governments (SACOG)
54	3F510	Placer	20	13.27	16.98	Safety/ operational improvement-Possible Programmed	Marysville Rd. to Sicard Flat Rd.	Standard shoulders, vertical & horizontal curve improvements, & EB & WB left-turn lanes		Programmed	SACOG 2035 MTP/ SR 20 TCR	Caltrans	2025			\$5,500,000	2.8*	Sacramento Area Council of Governments (SACOG)
55		Butte	162	20.405	20.49	Intersection modification	Oro-Quincy Hwy & Oakvale Avenue	Safety & operational improvements at two closely spaced intersections		Programmed	Butte Co 2030 General Plan	Caltrans	2020			\$3,500,000	2.9	Butte County Association of Governments (BCAG)
57	3F810	Sacramento/Placer/Yolo/El Dorado/Nevada	Var	Var	Var	Traveler information system	18 locations: PLA80 (PM 53.3, 63.5), NEV80 (PM 5.1, 9.1, 19.3, 27.3), ELD50 (PM 66.8), PLA267 (PM 6.7), NEV267 (PM 0.4), YOL80 (PM 5.7, 8.9), SAC80 (PM 0.4), SACS1 (PM 3.0), YOL5 (PM 0.8), SACS (PM 24.8), SAC99 (PM 8.8), PLAB9 (PM 10.4), PLA28 (PM 3.0)	Roadway Weather Information Systems (RWIS) upgrade		Programmed	2016 SHOPP	Caltrans	2022			\$1,635,436	10.1*	sacramento Area Council of Governments (SACOG)
58		El Dorado	50	17.11	17.778	Auxiliary lane	From west of Coloma Rd. offramp to Placerville Dr. off-ramp	Construct auxiliary lane		Programmed		Caltrans	2020			\$13,000,000	10.3	El Dorado County Transportation Commission
59	3F820	Various	Var	Var	Var	ITS MTIP 15-05 SACOG ID: Cal20548	25 locations: I-5, SR65, I-80, US50, SR51, SR89, & SR99	Highway Advisory Radio (HAR) upgrades		Programmed	2016 SHOPP	Caltrans	2018			\$1,843,200	10.1*	Sacramento Area Council of Governments (SACOG)
60		El Dorado	50	71.48	71.48	Intersection modification	Pioneer Trail	Frame signal modification left-turn from Pioneer Trail & two WB lanes on highway, through intersection & merging prior to		Programmed	Conceptual	Caltrans	2025			\$1,000,000	1.6	Tahoe Metropolitan Planning Organization
62		El Dorado	50	70.621	70.621	Roundabout	SR89 in Meyers	Construct flared 2-lane roundabout		Programmed	Conceptual	Caltrans	2025			\$5,000,000	0.6	Tahoe Metropolitan Planning Organization
63	3F830	Sacramento	5	Var	Var	ITS -Programmed going to construction	Sac and Pla Co on Routes 80, 50, 51, I-5 & 99. Cost shown covers 80 locations in 11 counties, including SR65 & SR89	CCTV Camera System Upgrade		Programmed	None	Caltrans	2020	1,254,000	646,000	\$1,900,000	3.0	Sacramento Area Council of Governments (SACOG)
64	4F410	Sacramento	50	TMC	TMC	ITS MTIP 15-05 SACOG ID: Cal20549	Transportation Management Center (Rancho Cordova)	Upgrade video wall at regional TMC		Programmed	SACOG MTP/2016 SHOPP	Caltrans	2016			\$1,000,000	3.0*	Sacramento Area Council of Governments (SACOG)

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65		Nevada	20	23.0	46.1	Improve/add turnouts	Between Five Mile House & I-80: Existing PM 25.15, 28.45, 35.6, 37.05; New PM 32.2, 41.6	Lengthen &/or widen six existing turnouts, & add four turnouts		Programmed		Caltrans	2020			\$1,500,000	8.6	Nevada County Transportation Commission
68		Nevada	49	1.8	15.06	Traveler information system/Vehicle detection system	Various locations on SR49 in Placer & Nevada Counties	Install ITS components from Auburn to Grass Valley (NB & SB); Traffic monitoring and detection systems near key intersections		Programmed	SR49 CSMP	Caltrans	2022			\$2,500,000	6.9	Nevada County Transportation Commission
71	4F440	Various	5	0	34.7	ITS-MTIP 15-08 SACOG ID: Cal20550	In Sacramento, Butte, Colusa, El Dorado, Glenn, Nevada, Placer, Sierra, Sutter, Yolo, and Yuba Counties, on Routes 5, 50, and 80 at various locations. Upgrade Changeable Message Sign (CMS) panels. (G13 Contingency Project) 17 Locations	CMS Upgrades		Programmed	Conceptual	Caltrans	2015			\$5,320,000	10.1*	Sacramento Area Council of Governments (SACOG)
72		Nevada	20	39.6 w/b e/b	41.3 w/b 43.6 e/b	Operational improvement	On SR20 between Nevada City and I-80	Construct truck climbing lanes, wide turnouts, and turn lanes, where feasible		Programmed	No	Caltrans	2020	1250000	\$4,500,000	\$1,700,000	10.6	Nevada County Transportation Commission

* Typical benefit/cost ratio (from Caltrans TMS Master Plan)