GL: Safety Improvements – SHOPP Collision Reduction Program (TIP ID – VAR170007)

Last updated with TIP Revision 2023-24

FOR 2021/2026 PROGRAM YEARS
All amounts in \$1,000

Dist	Со	Rte	PM	Location/Description	PPNO	EA	Prog Code	Con FY	Prior	22/23	23/24	24/25	25/26	PAED	PSE	RW SUP	CONSUP	RW	CON	TOTAL
			6.7/7.2	In Oakland, from 0.2 mile north of Lincoln Avenue to 0.2			201.010	21/22	\$8,046	\$0	\$0	\$0	\$0	\$824	\$667	\$42	\$1,062	\$107	\$5,344	\$8,046
.	, ,_, ,	'	0.177.2	mile south of Park Boulevard. Install outer separation	1 1001	10.100	201.010	- "	ΨΟ,Ο1Ο	Ψ°	ΨΟ	••	ΨΟ	Ψ021	Ψοσ,	Ψ12	Ψ1,002	Ψίοι	φο,στι	ψο,ο το
				barrier and construct rumble strips.																
04	ΔΙΔ	61	10 0/21 0	In and near the cities of Alameda, Emeryville, Berkeley,	1/6/1	4K400	201.010	21/22	\$3,865	\$0	\$0	\$0	\$0	\$303	\$358	\$219	\$460	\$83	\$2,442	\$3,865
04		"	19.0/21.0	Albany, and San Leandro, on Routes 61, 123, and 185	14047	411400	201.010	21/22	ψ5,005	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ψυσυ	ψυυσ	ΨΖΙΘ	ψ400	ψΟΟ	ΨΖ,442	ψ5,605
				1 · · · · ·																
				at various locations. Install vehicle speed feedback																
				signs and upgrade signal to standard.																
04	A I A	1/		La Alama da Oscorda do Brasta do 500 am 1000 at	00050	00050	004.040	04/00	Φ0.455	Φ0	Φ0	Φ0	Φ0	0040	0074	040	0004	040	04.40 5	#0.455
04	ALA	var		In Alameda County, on Routes 80, 580, and 680 at	2025R	2Q250	201.010	21/22	\$6,155	\$0	\$0	\$0	\$0	\$640	\$674	\$10	\$694	\$12	\$4,125	\$6,155
				various locations. Place High Friction Surface																
		L		Treatment (HFST).		21//22		21/22	410 -0-	4.0	•			41.001	A	4000	A . A	****		410 -0-
04	ALA	13		In Alameda County, on Routes 13, 24, 580, 680, and	1492F	0K120	201.015	21/22	\$12,507	\$0	\$0	\$0	\$0	\$1,261	\$1,145	\$229	\$1,345	\$290	\$8,237	\$12,507
				880 at various locations; also in Contra Costa County,																
				on Routes 4, 24, 80, 160, and 680 at various locations.																
				Install Rectangular Rapid Flashing Beacons (RRFBs) to																
				enhance pedestrian safety at ramp termini and																
				uncontrolled pedestrian crossings.																
						21/2=2		0.1/00	4	**	**		•	4-00	4	4.5	4=00	4.00	** ***	4
04	ALA	580		In Alameda and Contra Costa Counties, on various	1496A	0K770	201.015	21/22	\$4,856	\$0	\$0	\$0	\$0	\$700	\$700	\$10	\$700	\$108	\$2,638	\$4,856
				routes at various locations. Upgrade advance warning																
				signs to make standard.		21122		21/22	40.400	4.0				40.10	40.10	4100	4	400		40.400
04	ALA	580		In various cities, on Routes 580, 680, 880, and 980 at	1487M	3J130	201.015	21/22	\$9,128	\$0	\$0	\$0	\$0	\$940	\$940	\$130	\$1,030	\$20	\$6,068	\$9,128
				various locations. Enhance pedestrian safety by																
				installing Accessible Pedestrian Signals (APS) systems																
				and countdown timers and upgrading crosswalk																
				markings.		ļ														
04	ALA	Var		In Alameda County, on Routes 80 and 880 at various	1481B	1J780	201.015	21/22	\$8,978	\$0	\$0	\$0	\$0	\$1,118	\$1,274	\$104	\$1,434	\$10	\$5,038	\$8,978
				locations; also in Contra Costa County, on Routes 24																
				and 680 at various locations. Install High Friction																
				Surface Treatment (HFST) at spot locations to enhance																
				wet pavement conditions.																
04	ALA	580	0.1/9.0	In and near Livermore, from San Joaquin County line to	1494D	4J940	201.235	21/22	\$3,805	\$0	\$0	\$0	\$0	\$625	\$400	\$75	\$525	\$183	\$1,997	\$3,805
				0.7 mile west of Greenville Road. Highway worker																
				safety improvements.																
04	CC	4	1.0/9.0	In and near Martinez, from East Hercules Underpass to	1454F	3K440	201.010	21/22	\$11,715	\$0	\$0	\$0	\$0	\$920	\$1,300	\$41	\$1,579	\$5	\$7,870	\$11,715
				west of Pine Street/Center Avenue. Install safety																
				lighting and apply High Friction Surface Treatment																
				(HFST).																
04	CC	80	0.0/13.5	In various cities, from Alameda County line to 0.6 mile	1497F	0K160	201.010	21/22	\$93,569	\$0	\$0	\$0	\$0	\$6,869	\$6,869	\$1,374	\$7,327	\$1,339	\$69,791	\$93,569
				west of Solano County line; also in Alameda County in																
				Albany, from 0.4 mile west to the Contra Costa County																
				line (PM R7.6/8.0). Install lighting and upgrade																
				concrete barrier.																
04	CC	4	0.0/20.4	In and near Hercules, Martinez, and Concord, at	0481U	0J480	201.015	21/22	\$16,362	\$0	\$0	\$0	\$0	\$1,000	\$1,400	\$52	\$1,500	\$10	\$12,400	\$16,362
				various locations from Route 80 to 0.3 mile east of					, ,,,,,,,	, ,	, ,		* -	, , , , , ,	, ,	, -	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, -	, ,	, ,,,,,
				Bailey Road. Upgrade guardrail to make standard.																
04	СС	4		In Contra Costa County, on Routes 4, 24, 80, 123, 242,	1487N	3J140	201.015	21/22	\$11,333	\$0	\$0	\$0	\$0	\$1,108	\$1,108	\$80	\$1,400	\$150	\$7,487	\$11,333
	- -			580, and 680 at various locations. Install Accessible					, , 500	, ,	7.		7	, .,	,,,.00	7.0	Ţ ., . 	,	Ţ.,. J .	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				Pedestrian Signals (APS) systems and pedestrian																
				countdown timers, and refresh crosswalk markings with																
				high-visibility striping to enhance pedestrian safety.																
				Ingli-violonity outping to enhance pedestrial safety.																
04	СС	4	31.0/48.2	In and near Antioch and Brentwood, from 0.6 mile east	1492H	4J950	201.235	21/22	\$3,467	\$0	\$0	\$0	\$0	\$928	\$663	\$40	\$530	\$72	\$1,234	\$3,467
				of Route 160 to Old River Bridge. Construct and															,	,
				modify Maintenance Vehicle Pullouts (MVPs) to																
				improve highway worker safety.																
			<u> </u>	Improve mannay memor edicty.	<u> </u>	<u> </u>														

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FOR 2021/2026 PROGRAM YEARS
All amounts in \$1,000

Dist	Со	Rte	PM	Location/Description	PPNO	EA	Prog Code	Con FY	Prior	22/23	23/24	24/25	25/26	PAED	PSE	RW SUP	CONSUP	RW	CON	TOTAL
			•	Near Saratoga, from Route 9 Junction to San Mateo		0P48U		21/22	\$6,383	\$0	\$0	\$0	\$0	\$290	\$825	\$41	\$851	\$20	\$4,356	\$6,383
	002			County line; also in San Mateo County near Woodside	110211	01 100	201.010	- 1/22	ΨΟ,ΟΟΟ	Ψ	ΨΟ	Ψ σ	Ψ	ΨΣΟΟ	ΨΟΣΟ	•••	φοσι	ΨΖΟ	Ψ1,000	ψο,σσσ
				from the Santa Clara County line to Route 84 (PM																
				2.121/10.518). Install centerline rumble strips, curve																
				signs, pavement markings with audible traffic stripe																
				systems, optical speed bars, and high visibility striping.																
	001				44004	0.1050	004.045	04/00	* 14.040	00	Φ0	Φ0	# 0	#4.000	04.400	0.45	#4.000	\$50	#0.004	* 44.040
04	SCL	9		In Santa Clara County, on Routes 9, 17, 85, 87, 101, 152, 237, 280, 680, and 880 at various locations.	1486A	2J950	201.015	21/22	\$11,319	\$0	\$0	\$0	\$0	\$1,300	\$1,400	\$45	\$1,600	\$50	\$6,924	\$11,319
				Relocate or shield existing electrical controller cabinets																
				and install twenty-eight new Maintenance Vehicle																
				Pullouts (MVPs).																
04	SCL	Var		On various routes, in various cities at various locations.	1492E	0K080	201.015	21/22	\$13,278	\$0	\$0	\$0	\$0	\$939	\$1,241	\$36	\$1,499	\$103	\$9,460	\$13,278
				Replace pedestrian push-buttons and signal heads with																
				Accessible Pedestrian Signals (APS) and countdown																
				timers and refresh crosswalk markings to enhance pedestrian safety.																
04	SCL	152	11.2/35.2	Near Gilroy, from Llagas Creek Bridge to the Merced	1452E	2K800	201.235	21/22	\$9,175	\$0	\$0	\$0	\$0	\$800	\$1,000	\$45	\$700	\$40	\$6,590	\$9,175
				County line. Construct Maintenance Vehicle Pullouts					. ,	·	·	·	·	·	. ,		·	·	. ,	. ,
				(MVPs) and vegetation control under existing guardrail																
				to improve highway worker safety.									**					*		40.100
04	SCL	280	0.0/5.4	In and near San Jose, from Route 101 to Route 17/880	1492D	4J960	201.235	21/22	\$6,120	\$0	\$0	\$0	\$0	\$780	\$770	\$62	\$503	\$170	\$3,835	\$6,120
				Separation. Pave extended gore areas and narrow strips to improve highway worker safety.																
04	SF	35		In the City and County of San Francisco, at Great	1459E	3K420	201.010	21/22	\$5,970	\$0	\$0	\$0	\$0	\$1,550	\$1,291	\$179	\$1,341	\$62	\$1,547	\$5,970
	٠.			Highway intersection. Install new signal.		****			40,010	, ,	4.5	4.0	, ,	V 1,000	V 1,20 1	Vv	4 1, 6 1 1	70-	ψ ., σ	40,010
04	SM	Var		In and near various cities, on Routes 1, 35, 82, 84, 92,	1491J	0K070	201.015	21/22	\$9,814	\$0	\$0	\$0	\$0	\$1,250	\$1,250	\$175	\$1,250	\$57	\$5,832	\$9,814
				101, 109, 114, 280, and 380 at various locations.																
				Enhance pedestrian safety by upgrading signals with																
				Accessible Pedestrian Signals (APS) audible indicators, pushbuttons, and countdown timers, and upgrading																
				crosswalk markings.																
04	SOL	80	17.2/19.2	In Fairfield, from West Texas Street to Airbase Parkway	1452K	2K810	201.235	21/22	\$4,902	\$0	\$0	\$0	\$0	\$550	\$550	\$100	\$550	\$10	\$3,142	\$4,902
				at various locations; also in Vallejo on Route 29 at																
				Route 29/37 Separation (PM 4.9). Upgrade fencing																
	001	40		and gates.	4.400.0	01/400	004.045	04/00	ΦE 570	00	Φ0	Φ0	Φ0	#000	# 000	#70	#000	Φ.Ε.Ο.	#0.00 7	ΦE 570
04	SON	12		In Sonoma County, on Routes 12 and 116 at various locations; also in Marin County, on Routes 1 and 131 at	1492G	0K130	201.015	21/22	\$5,573	\$0	\$0	\$0	\$0	\$800	\$880	\$70	\$930	\$56	\$2,837	\$5,573
				various locations; and in Napa County on Routes 29																
				and 121 at various locations. Install hybrid beacons,																
				stop and yield lines, crosswalks and bulb-outs, and																
				upgrade curb ramps to enhance pedestrian safety.																
							lma Fatar '	on Trici	# 000 000	**	*^	60	**	¢05.405	¢00.705	60.450	¢00.040	60.057	6470 404	# 000 000
04	ΛΙΛ	880	27 1/27	In Oakland, from 0.1 mile south to 0.1 mile north of	1/010	4J540	ime Extensi 201.010	22/23	\$266,320 \$2,324	\$0 \$5,677	\$0 \$0	\$0 \$0	\$0 \$0	\$25,495 \$956	\$26,705 \$1,266	\$3,159 \$102	\$28,810 \$1,041	\$2,957 \$601	\$179,194 \$4,035	\$266,320 \$8,001
04	ALA	000	21.1/21.	East Creek Slough Bridge No. 33-0143. Construct	14910	43540	201.010	22123	φ2,324	φ3,077	φυ	φυ	φυ	φ950	φ1,200	φ102	φ1,041	φΟΟΙ	φ4,033	φο,υυ ι
				outer separation concrete barrier in southbound																
				direction, replace bridge rail, and install a drainage																
				system.																
04	NAP	29		In Napa County, on Routes 29, 121, and 128 at various	2033M	3Q760	201.010	22/23	\$2,367	\$4,504	\$0	\$0	\$0	\$794	\$1,403	\$170	\$1,215	\$18	\$3,271	\$6,871
04	SC!	101	0.4/40.0	locations. Install rumble strips. In Santa Clara County, on Routes 9, 17, 85, 87, 101,	14054	0K110	204.045	22/22	¢0.774	¢17.404	¢Ω	ΦO	ΦO	¢4 407	¢4 574	Ф70	¢4 075	የ ጋር	¢15 500	¢20.205
04	SUL	'''	0.1/49.0	152, 237, 280, 680, and 880 at various locations.	1495A	UK 110	201.015	22/23	\$2,771	\$17,434	\$0	\$0	\$0	\$1,127	\$1,574	\$70	\$1,875	\$30	\$15,529	\$20,205
				Upgrade guardrail transition railing.																
				1-10 9																

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FOR 2021/2026 PROGRAM YEARS
All amounts in \$1,000

Dist	Со	Rte	PM	Location/Description	PPNO	EA	Prog Code	Con FY	Prior	22/23	23/24	24/25	25/26	PAED	PSE	RW SUP	CONSUP	RW	CON	TOTAL
04						2W250		22/23	\$0	\$2,115	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,115	\$2,115
04	SM	35	26.2/27.9	In Pacifica and South San Francisco, at the intersections of Route 35 and Sharp Park Road, and Route 35 and Hickey Road. Upgrade and reposition traffic signals, and upgrade facilities to Americans with Disabilities Act (ADA) standards.	2031E	0Q040	201.010	22/23	\$1,674	\$4,177	\$0	\$0	\$0	\$582	\$780	\$312	\$1,060	\$423	\$2,694	\$5,851
04	ALA	80	5.9/6.4	In Berkeley, from University Avenue to west of Gilman Street; also in Contra Costa County, in Pleasant Hill on Route 680 from Oak Park Boulevard to 0.2 mile north of Oak Park Boulevard (PM 16.9/17.1). Construct outer separation concrete barriers between freeway and frontage roads.	1489A	3J260	201.010	23/24	\$2,288	\$0	\$9,864	\$0	\$0	\$790	\$1,434	\$64	\$1,396	\$70	\$8,398	\$12,152
04	ALA	84	10.8/18.0	In and near Fremont, Union City, and Sunol, from Mission Boulevard to Route 680. Install flashing beacons, curve warning signs, speed advisory signs, and delineators.	2030E	3Q850	201.010	23/24	\$1,046	\$1,470	\$3,008	\$0	\$0	\$1,046	\$1,417	\$53	\$1,178	\$40	\$1,790	\$5,524
04	NAP	121		Near Napa, at Huichica Creek (PM 0.75). Mitigation planting, monitoring and reporting for EA 4G210.	1775H	4G21A	201.010	23/24	\$0	\$0	\$1,900	\$0	\$0	\$0	\$0	\$0	\$900	\$0	\$1,000	\$1,900
04	SM	1	36.5/38.3		2021A	0Q610	201.010	23/24	\$4,879	\$0	\$8,744	\$0	\$0	\$2,148	\$2,672	\$59	\$1,637	\$158	\$6,949	\$13,623
04	SM	92		In San Mateo County, on Routes 92, 101, 280, and 380 at various locations. Enhance pedestrian and bicyclist safety by installing flashing beacon systems, upgrading crosswalk markings and ramp metering systems, and upgrading facilities to Americans with Disabilities Act (ADA) standards.	2022N	1Q200	201.015	23/24	\$4,035	\$0	\$16,299	\$0	\$0	\$1,919	\$2,054	\$62	\$2,492	\$126	\$13,681	\$20,334
04	SOL	80	22.1/23.0	Near Fairfield, from 1.0 mile west to 0.1 mile west of Cherry Glen Road. Install outer separation concrete barrier between westbound Route 80 and Lyon Road.	1459D	4K300	201.010	23/24	\$1,056	\$1,509	\$7,072	\$0	\$0	\$1,056	\$1,042	\$467	\$929	\$260	\$5,883	\$9,637
04	SOL	12	3.2/7.5	In Fairfield and Suisun, from Beck Avenue to Lawler Ranch Parkway/Walters Road. Install flashing beacons, signal ahead warning signs and pavement markings.	2034H	0W110	201.010	23/24	\$686	\$1,058	\$4,102	\$0	\$0	\$686	\$1,045	\$13	\$962	\$48	\$3,092	\$5,846
04	SOL	Var		In Solano County, on Routes 29, 37, 80, and 780 at various locations. Enhance pedestrian and bicyclist safety by installing flashing beacon systems and upgrading crosswalk markings.	1464J	0P760	201.015	23/24	\$1,509	\$0	\$7,067	\$0	\$0	\$604	\$840	\$65	\$1,006	\$98	\$5,963	\$8,576
04	SOL	Var		In Solano County, on Routes 12, 29, 37, 80, 113, 505, and 780 at various locations. Enhance pedestrian safety by installing Accessible Pedestrian Signal (APS) systems and countdown timers and upgrading crosswalk markings.	1493H	0K100	201.015	23/24	\$390	\$577	\$4,233	\$0	\$0	\$390	\$555	\$22	\$950	\$20	\$3,263	\$5,200
04	SON	1			0820H	4G780	201.010	23/24	\$2,155	\$2,073	\$17,649	\$0	\$0	\$2,155	\$1,893	\$180	\$3,817	\$314	\$13,518	\$21,877

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FOR 2021/2026 PROGRAM YEARS
All amounts in \$1,000

District	Dist	0-	I Dr.	D14	I and in the sociation	DDNO		D	0 EV	D'	00/00	00/04	04/05	05/00	DAED	DOF	DW OUD	CONOUR	DW	001	TOTAL
ALA 20 2.476 In Alameda County, in various cities on Routes 80 29145 9760 291.010 2475 50 50 50 504 51,982 50 5944 5470 55 5866 52 5377 52,982 52,983 52,98	Dist			•	Location/Description				-	Prior	22/23	23/24	24/25	25/26	PAED	PSE		-	RW	CON	TOTAL
Band SB0 at various locations. Install parement definication and markings to active moderate of various register moderates of various way of thing at exit margins. Section 1.5	04	SON	12			2026M	2Q780	201.010	23/24	\$2,591	\$0	\$3,553	\$0	\$0	\$1,097	\$1,303	\$191 	\$1,089	\$365	\$2,099	\$6,144
Comparison and markings to alter motorists of wrong-way driving at out trans. Comparison and markings to alter motorists of wrong-way driving at out trans. Comparison and markings to alter motorists of wrong-way driving at out trans. Comparison and markings to alter motorists of wrong-way driving at out trans. Comparison and markings to alter motorists of wrong-way driving at out trans. Comparison and markings to alter motorists of the wrong-way driving at out trans. Comparison and markings to alter motorists of the wrong-way driving at out trans. Comparison and markings to alter motorists of the wrong-way driving at out trans. Comparison and markings to alter motorists of the wrong-way driving at out trans. Comparison and trans. Comparison a	04	ALA	80	2.4/7.0	In Alameda County, in various cities on Routes 80	2914S	0Y660	201.010	24/25	\$0	\$0	\$944	\$1,982	\$0	\$944	\$470	\$5	\$868	\$2	\$637	\$2,926
Name					and 580 at various locations. Install pavement																
MRN 37					delineation and markings to alert motorists of																
Strict S					wrong-way driving at exit ramps.																
Replace or install curve varining signs. 204A ACOS 201.015 24/25 \$0 \$1,098 \$1,894 \$6,105 \$0 \$1,794 \$90 \$1,800 \$14 \$4,471 \$90,025	04	MRN	37		In San Francisco and Marin Counties, on Routes 35,	2034N	3AC80	201.015	24/25	\$0	\$1,052	\$1,494	\$3,024	\$0	\$1,052	\$1,321	\$173	\$1,414	\$43	\$1,567	\$5,570
NAP 12 In Napa and Solano Counties, on various routes at various locations. Replace or install curve warning algors.					37, 80, 101, 131, 280, and 580 at various locations.																
Various bocations, Replace or install curve warning Signs					Replace or install curve warning signs.																
Signs Sign	04	NAP	12		In Napa and Solano Counties, on various routes at	2304A	4AC90	201.015	24/25	\$0	\$1,036	\$1,884	\$6,105	\$0	\$1,036	\$1,794	\$90	\$1,620	\$14	\$4,471	\$9,025
Variable					various locations. Replace or install curve warning																
Construct rumbles strips, upgrade guardrali, and install high visibility striping.					signs.																
high visibility stripring. high visibilities Act (ADA) standards. high visibilities Act (ADA)	04	SCL	101	0.0/3.2	Near Gilroy, from San Benito County line to Route 25.	2913E	1W190	201.010	24/25	\$0	\$506	\$800	\$2,629	\$0	\$506	\$764	\$36	\$711	\$45	\$1,873	\$3,935
SCL 152 129/121 Near Girroy, from west of Canada Road to Route 166 1690 1090 00/100 24/25 150 1,209 1,333 12,306 1,209 1,209 1,217 1,562 1,1908 1,308 1,4908 1,308 1,209					Construct rumble strips, upgrade guardrail, and install																
Install centerline and edgeline numble strips, widen roadway, and install curve warning signs. 2028 20770 201.010 24/25 \$4,832 \$0 \$0 \$11,166 \$0 \$1,877 \$2,437 \$518 \$2,854 \$854 \$7,458 \$15,998 \$15,798 \$15,998 \$1,578 \$2,854 \$854 \$15,998 \$1,578 \$2,854 \$15,998 \$1,578 \$2,854 \$15,998 \$1,578 \$2,854 \$15,998 \$1,578 \$2,276 \$2,275 \$15,998 \$1,578 \$2,276 \$2,275 \$15,998 \$1,578 \$2,276 \$2,275 \$15,999 \$15,998 \$1,578 \$2,276 \$2,275 \$15,999 \$15,999 \$15,998 \$1,578 \$2,276 \$2,275 \$15,999 \$15,999 \$15,998 \$1,578 \$2,276 \$2,275 \$15,999 \$15,999 \$15,998 \$1,578 \$2,276 \$2,275 \$15,999 \$15,999 \$15,998 \$1,578 \$2,276 \$2,275 \$15,999 \$15,998 \$1,578 \$2,276 \$2,275 \$15,999 \$15,998 \$1,578 \$2,276 \$2,275 \$2,275 \$15,999 \$15,998 \$1,578					high visibility striping.																
Note Condeway, and Install curve warring signs. Condeway, an	04	SCL	152	12.9/21.	Near Gilroy, from west of Canada Road to Route 156.	2909Q	0W700	201.010	24/25	\$0	\$1,269	\$1,333	\$12,306	\$0	\$1,269	\$1,271	\$62	\$1,908	\$33	\$10,365	\$14,908
No. Tell No. No. Petaluma, at the intersection with Lakeville 2028 20770 201.010 24/25 \$4,832 \$50 \$0 \$11,166 \$50 \$1,877 \$2,437 \$518 \$2,854 \$854 \$7,458 \$15,998 \$15,998 \$1,998					Install centerline and edgeline rumble strips, widen																
Highway. Construct Roundabout. Highway. Construct Roundabout. Construct Infection Roundabout. Construc					roadway, and install curve warning signs.																
In Sonoma County, on Routes 12, 37, 101, 116, 121, and 128 at various locations. Replace or install curve warning signs. Solution (HFST), and install guardrail and drainage inelts. Solution (HFST), and install guardrail and various install curve warning signs. Solution (HFST), and install guardrail and various install guardrail and contol verano Avenue, install audible accessible pedestrian signals (APS), and upgrade facilities to Americans with Disabilities Act (ADA) standards. Solution Reduction 2022 SHOPP TOTAL Solution Reduction PROGRAMMED TOTAL Solution (Solution Solution Solution Solution New Requested Total Solution Solu	04	SON	116		Near Petaluma, at the intersection with Lakeville	2028S	2Q770	201.010	24/25	\$4,832	\$0	\$0	\$11,166	\$0	\$1,877	\$2,437	\$518	\$2,854	\$854	\$7,458	\$15,998
and 128 at various locations. Replace or install curve warning signs.					Highway. Construct Roundabout.																
Marring signs. Warring signs. Warr	04	SON	12		In Sonoma County, on Routes 12, 37, 101, 116, 121,	2035C	4AC40	201.015	24/25	\$0	\$830	\$1,308	\$3,560	\$0	\$830	\$1,284	\$24	\$760	\$54	\$2,746	\$5,698
Outside ALA 680 0.3/1.0 In Fremont, from 0.2 mile north to 0.9 mile north to 0.5 mile north					and 128 at various locations. Replace or install curve																
Scott Creek Road. Apply High Friction Surface Treatment (HFST), and install guardrail and drainage inlets. 04 SM 9 In San Mateo and Santa Clara Counties, on various routes at various locations. Replace or install curve warning signs. 04 SOL 80 1.0/28.0 In and near Vallejo, Fairfield and Vacaville, from Route 29 to Nut Tree Road. Replace traffic striping and pavement markings at ramps. 05 Son 12 34.9/36.1 Near the city of Sonoma, from Waterman Avenue to Verano Avenue, install audible accessible Americans with Disabilities Act (ADA) standards. 06 SON 17 Sonoma warning and pavements. 17 SHOPP - Collision Reduction PROGRAMMED TOTAL 18 Sonoma Solution Solution Solution Solution Solution Solution Solution Reduction PROGRAMMED TOTAL 18 Solution Solu					warning signs.																
Treatment (HFST), and install guardrail and drainage inlets. 1	04	ALA	680	0.3/1.0	In Fremont, from 0.2 mile north to 0.9 mile north of	2909J	1W710	201.010	25/26	\$0	\$864	\$1,335	\$0	\$5,029	\$864	\$1,273	\$62	\$1,241	\$20	\$3,768	\$7,228
Interest					Scott Creek Road. Apply High Friction Surface																
1					Treatment (HFST), and install guardrail and drainage																
routes at various locations. Replace or install curve warning signs. 104 SOL 80 1.0/28.0 In and near Vallejo, Fairfield and Vacaville, from Route 29 to Nut Tree Road. Replace traffic striping and pavement markings at ramps. 104 SON 12 34.9/36.1 Near the city of Sonoma, from Waterman Avenue to Lomita Avenue. Construct left-turn lane onto Verano Avenue, install audible accessible pedestrian signals (APS), and upgrade facilities to Americans with Disabilities Act (ADA) standards. 105 SON 116 21.6/22.6 Near Sebastopol, at the intersection with Green Valley Road. Construct intersection improvements. 106 SON 117 SHOPP - Collision Reduction NEW REQUESTED TOTAL SA4,603 S49,188 S95,888 S45,111 S32,767 S28,210 S49,30 S59,303 S44,980 S63,726 S89,921 S316,081 S505,861 S505,8					inlets.																
Warning signs. Warn	04	SM	9		In San Mateo and Santa Clara Counties, on various	2034K	3AC00	201.015	25/26	\$0	\$1,730	\$1,854	\$0	\$8,422	\$1,730	\$1,829	\$25	\$2,183	\$163	\$6,076	\$12,006
SOL 80 1.0/28.0 In and near Vallejo, Fairfield and Vacaville, from Route 29 to Nut Tree Road. Replace traffic striping and pavement markings at ramps.					routes at various locations. Replace or install curve																
Route 29 to Nut Tree Road. Replace traffic striping and pavement markings at ramps. 04 SON 12 34.9/36.1 Near the city of Sonoma, from Waterman Avenue to Lomita Avenue. Construct left-turn lane onto Verano Avenue, install audible accessible pedestrian signals (APS), and upgrade facilities to Americans with Disabilities Act (ADA) standards. 04 SON 116 21.6/22.6 Near Sebastopol, at the intersection with Green Valley Road. Construct intersection improvements. SHOPP - Collision Reduction 2022 SHOPP TOTAL \$34,603 \$49,188 \$95,888 \$45,111 \$32,767 \$28,210 \$34,980 \$3,905 \$38,417 \$6,263 \$145,782 \$257,557 \$140,745 \$1,250 \$1,064 \$67,227 \$9,220 \$324,976 \$523,877 \$1,064 \$1,065																					
and pavement markings at ramps.	04	SOL	80	1.0/28.0	In and near Vallejo, Fairfield and Vacaville, from	2915C	1Y000	201.010	25/26	\$0	\$0	\$445	\$522	\$2,015	\$445	\$510	\$12	\$503	\$48	\$1,464	\$2,982
SON 12 34.9/36.1 Near the city of Sonoma, from Waterman Avenue to Lomita Avenue. Construct left-turn lane onto Verano Avenue, install audible accessible pedestrian signals (APS), and upgrade facilities to Americans with Disabilities Act (ADA) standards. Sonomal Procession Reduction New Requested Total Sonomal Procession Reduction PROGRAMMED TOTAL Sonomal Procession Reduction PROGRAMMED TOTAL Sonomal Reduction Procession Reduction Reduction Reduction Procession Reduction					Route 29 to Nut Tree Road. Replace traffic striping																
Lomita Avenue. Construct left-turn lane onto Verano Avenue, install audible accessible pedestrian signals (APS), and upgrade facilities to Americans with Disabilities Act (ADA) standards. 04 SON 116 21.6/22.6 Near Sebastopol, at the intersection with Green Valley Road. Construct intersection improvements. SHOPP - Collision Reduction 2022 SHOPP TOTAL S34,603 \$49,188 \$95,888 \$45,111 \$32,767 \$28,210 \$34,980 \$3,905 \$38,417 \$6,263 \$145,782 \$257,557 \$140,000 \$1,00					and pavement markings at ramps.																
Verano Avenue, install audible accessible pedestrian signals (APS), and upgrade facilities to Americans with Disabilities Act (ADA) standards. 04 SON 116 21.6/22.6 Near Sebastopol, at the intersection with Green Valley Road. Construct intersection improvements. SHOPP - Collision Reduction VERQUESTED TOTAL S10,965 SHOPP - Collision Reduction PROGRAMMED TOTAL S10,966 S49,188 S101,352 S29,961 S24,892 S1,316 S59,323 \$6,494 \$63,726 \$8,921 \$316,081 \$505,861	04	SON	12	34.9/36.	Near the city of Sonoma, from Waterman Avenue to	2921L	3Y710	201.015	25/26	\$0	\$0	\$1,000	\$1,480	\$5,860	\$1,000	\$1,010	\$470	\$1,230	\$150	\$4,480	\$8,340
Pedestrian signals (APS), and upgrade facilities to Americans with Disabilities Act (ADA) standards.					Lomita Avenue. Construct left-turn lane onto																
Americans with Disabilities Act (ADA) standards. Americans with Disabilities Act (ADA) standards.					Verano Avenue, install audible accessible																
Out SON 116 21.6/22.6 Near Sebastopol, at the intersection with Green Valley 2029L 3Q640 201.010 25/26 \$0 \$1,307 \$0 \$2,337 \$11,441 \$1,307 \$1,739 \$598 \$1,578 \$2,266 \$7,597 \$15,085					pedestrian signals (APS), and upgrade facilities to																
Road. Construct intersection improvements.					Americans with Disabilities Act (ADA) standards.																
Road. Construct intersection improvements.																					
SHOPP - Collision Reduction 2022 SHOPP TOTAL \$34,603 \$49,188 \$95,888 \$45,111 \$32,767 \$28,210 \$34,980 \$3,905 \$38,417 \$6,263 \$145,782 \$257,557 SHOPP - Collision Reduction NEW REQUESTED TOTAL \$300,923 \$49,188 \$95,888 \$45,111 \$32,767 \$53,705 \$61,685 \$7,064 \$67,227 \$9,220 \$324,976 \$523,877 SHOPP - Collision Reduction PROGRAMMED TOTAL \$300,468 \$49,188 \$101,352 \$29,961 \$24,892 \$51,316 \$59,323 \$6,494 \$63,726 \$8,921 \$316,081 \$505,861	04	SON	116	21.6/22.		2029L	3Q640	201.010	25/26	\$0	\$1,307	\$0	\$2,337	\$11,441	\$1,307	\$1,739	\$598	\$1,578	\$2,266	\$7,597	\$15,085
SHOPP - Collision Reduction NEW REQUESTED TOTAL \$300,923 \$49,188 \$95,888 \$45,111 \$32,767 \$53,705 \$61,685 \$7,064 \$67,227 \$9,220 \$324,976 \$523,877 SHOPP - Collision Reduction PROGRAMMED TOTAL \$300,468 \$49,188 \$101,352 \$29,961 \$24,892 \$51,316 \$59,323 \$6,494 \$63,726 \$8,921 \$316,081 \$505,861					·																
SHOPP - Collision Reduction PROGRAMMED TOTAL \$300,468 \$49,188 \$101,352 \$29,961 \$24,892 \$51,316 \$59,323 \$6,494 \$63,726 \$8,921 \$316,081 \$505,861											·							·			
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SHOPP - Collision Reduction DIFFERENCE TOTAL \$455 \$0 -\$5,464 \$15,150 \$7,875 \$2,389 \$2,362 \$570 \$3,501 \$299 \$8,895 \$18,016					SHOPP - Collis	ion Red	uction P	ROGRAMME	D TOTAL	\$300,468	\$49,188	\$101,352	\$29,961	\$24,892	\$51,316	\$59,323	\$6,494	\$63,726	\$8,921	\$316,081	
		SHOPP - Collision Reduction DIFFERENCE TOTAL								\$455	\$0	-\$5,464	\$15,150	\$7,875	\$2,389	\$2,362	\$570	\$3,501	\$299	\$8,895	\$18,016

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