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

Last updated with TIP Revision 2021-19

FOR 2019/2024 PROGRAM YEARS
All amounts in \$1,000

Dist	Со	Rte	PN	l Le	ocation/Description	PPNO	EA	Prog Code	Con FY	Prior	20/21	21/22	22/23	23/24	PAED	PSE	RW SUP	CONSUP	RW	CON	TOTAL
	ALA				Berkeley and Albany, from Route 13 to east of El		3J700	201.010	19/20	\$22,837	\$0	\$0	\$0	\$0	\$2,750	\$2,750	\$100	\$2,625	\$25	\$14,587	\$22,837
					Serrito Separation. Install median safety lighting and					, , , , , ,	* -		* -	, -	, ,	, ,	,	, , , ,	, -	, , ,	, , , , ,
					eplace median concrete barrier.																
04	ALA	84	0.7/3		r Fremont, from north end of Dumbarton Bridge to	1493F	4J750	201.010	19/20	\$26,080	\$0	\$0	\$0	\$0	\$2,000	\$2,500	\$240	\$2,500	\$3,280	\$15,560	\$26,080
					outh of the Toll Plaza. Install outer separation barrier					, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	* -		* -	, -	, ,	, , , , , ,	,	, ,	, , , , , ,	, ,,,,,,,,	, ,,,,,,,
					etween route and frontage road.																
04	ALA	880)		n San Leandro, at the southbound Route 880/238	1491G	4J730	201.010	19/20	\$7,420	\$0	\$0	\$0	\$0	\$1,200	\$1,250	\$125	\$1,250	\$150	\$3,445	\$7,420
					Connector offramp to Washington Avenue.					4 1,12	Ψ.	Ų.	4.0	4.5	4 1,255	Ų., <u>_</u>	Ų0	ų ., <u>_</u>	4.55	Ψο,	4. ,0
					Reconstruct and signalize offramp.																
04	ALA	13			n various cities, on Routes 13, 61, and 123 at various	0488Q	0J470	201.015	19/20	\$8,311	\$0	\$0	\$0	\$0	\$788	\$1,393	\$200	\$800	\$840	\$4,290	\$8,311
	, ,_, ,	'			ocations; also in Contra Costa County, on Route 123,	0.000	** ** *	201.010	10,20	Ψο,στι	Ψΰ	Ų.	Ψ	Ψ	ψ. σσ	ψ1,000	\$200	φοσσ	ψο .σ	ψ.,200	Ψο,σιι
					t Eureka Avenue. Crosswalk safety enhancements.																
				٦	Laroka / Worldo. Grocowan carety of maricomonic.																
04	NAP	121	0.5/	0 N	lear Napa, at Huichica Creek (PM 0.75). Roadway	0775G	4G210	201.010	19/20	\$20,469	\$0	\$0	\$0	\$0	\$1,750	\$1,530	\$90	\$3,000	\$1,852	\$12,247	\$20,469
0-	1 1/ 11	'-'	0.07		ridening.	01700	10210	201.010	10/20	Ψ20,400	ΨΟ	ΨΟ	ΨΟ	ΨΟ	Ψ1,700	ψ1,000	ΨΟΟ	ψ0,000	ψ1,002	Ψ12,2-1	Ψ20,400
04	SF	101	0.0/4		the City and County of San Francisco, from San	1490F	4J390	201.010	19/20	\$28,220	\$0	\$0	\$0	\$0	\$1,500	\$1,700	\$30	\$3,000	\$20	\$21,970	\$28,220
04	Oi	1'''	0.0/-		Mateo County line to Route 101/80 Junction. Overlay	14301	40000	201.010	13/20	Ψ20,220	ΨΟ	ΨΟ	ΨΟ	ΨΟ	Ψ1,500	Ψ1,700	ΨΟΟ	ψ0,000	ΨΖΟ	Ψ21,570	Ψ20,220
					xisting pavement with open graded asphalt, groove																
					oncrete pavement and upgrade drainage system.																
					onorete pavernent and upgrade dramage system.																
04	SF	1		In	n the City and County of San Francisco, on Routes 1,	1489B	3J890	201.015	19/20	\$8,164	\$0	\$0	\$0	\$0	\$440	\$914	\$91	\$914	\$5	\$5,800	\$8,164
0-	O.	'			5, 80, 101 and 280 at various locations. Crosswalk	1400B	00000	201.010	10/20	ψο, το τ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	Ψ140	ΨΟΙΤ	ΨΟΙ	ΨΟΙΤ	ΨΟ	ΨΟ,ΟΟΟ	ψο, το-τ
					afety enhancements.																
04	SOL	12	19 2/		lear Rio Vista, at the intersection of Route 12 and	8060B	4G561	201.010	19/20	\$260	\$0	\$0	\$0	\$0	\$0	\$0	\$30	\$60	\$170	\$0	\$260
04	OOL	12	13.2/		Noute 113; also on Route 113 from PM 0.0/0.2.	OOOOD	40301	201.010	13/20	Ψ200	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟ	ΨΟΟ	ΨΟΟ	Ψ170	ΨΟ	Ψ200
					invironmental mitigation for safety project EA 4G560.																
				-	invironmental mitigation for safety project LA 40000.																
04	SON	121	3 4/6	5 N	lear Schellville, from north of Tolay Creek Bridge to	0738	0G680	201.010	19/20	\$43,514	\$0	\$0	\$0	\$0	\$2,500	\$3,750	\$1,800	\$4,200	\$6,264	\$25,000	\$43,514
0-	0011	'-'	0.4/		outh of Yellow Creek Bridge. Widen for standard	0700		201.010	10/20	Ψ40,014	ΨΟ	ΨΟ	ΨΟ	ΨΟ	Ψ2,000	φο,γου	ψ1,000	Ψ4,200	ψ0,20+	Ψ20,000	φ40,014
					houlders, upgrade curves to standard, and install																
					umble strips.																
				l d	ambie strips.	l	Т	ime Extensi	on Total	\$165 275	\$0	\$0	\$0	\$0	\$12,928	\$15,787	\$2,706	\$18,349	\$12,606	\$102,899	\$165,275
04	ALA	580	1 3/6	0 N	lear Livermore, from Flynn Road to Grant Line Road.	1495F	0K680		20/21	\$1,872	\$5,205	\$0	\$0	\$0	\$962	\$806	\$104	\$962	\$32	\$4,211	\$7,077
0-	/ \L/ \	1000	/ 1.0/	-	nstall safety lighting and establish electrical service	14001	011000	201.010	20/21	Ψ1,072	ψ0,200	ΨΟ	ΨΟ	ΨΟ	ΨΟΟΣ	ΨΟΟΟ	Ψ10-1	ΨΟΟΣ	ΨΟΣ	Ψ¬,Σ ι ι	Ψί,σιί
					onnection.																
04	ALA	580	 		n Alameda County, on Route 580 at various locations;	1/05E	0K650	201.015	20/21	\$1,466	\$4,026	\$0	\$0	\$0	\$500	\$800	\$166	\$800	\$90	\$3,136	\$5,492
04	/\L/\	1000	Ί		Iso in Contra Costa County, on Routes 160 and 680 at	1435	011000	201.010	20/21	Ψ1,400	ψ4,020	ΨΟ	ΨΟ	ΨΟ	ΨΟΟΟ	ΨΟΟΟ	Ψ100	ΨΟΟΟ	ΨΟΟ	ψ0,100	ψ5,452
					arious locations. Install concrete barrier to shield																
					tructure column from errant vehicles and upgrade																
					xisting guardrails to current standards.																
				6/	Alsting guardians to current standards.																
04	ΔΙΔ	880	30 2/3	3 6 In	Oakland, from south of 5th Avenue to north of 7th	1/52N	2K820	201.235	20/21	\$950	\$2,630	\$0	\$0	\$0	\$500	\$350	\$100	\$450	\$10	\$2,170	\$3,580
04		000	30.2/		treet. Pave narrow strips and miscellaneous areas,	143211	211020	201.233	20/21	ψθΟΟ	φ2,030	ΨΟ	ΨΟ	ΨΟ	φυσο	φυυυ	φ100	ψ430	ψισ	ΨΖ, 17 Ο	ψ5,560
					onstruct Maintenance Vehicle Pullouts (MVPs) and																
					pgrade crash cushions to reduce maintenance work																
					. =																
				lai	nd enhance highway worker safety.																
04	ΔΙΛ	520	1 2/4	10 NI	lear Livermore, from Flynn Road to Grant Line Road.	2/050	0K681	201.010	20/21	\$0	\$3,203	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,203	\$0	\$3,203
04	_L\	300	, 1.3/6		nvironmental mitigation work for EA 0K680 for lighting	24905	011001	201.010	20/21	Ψυ	ψ3,203	ΨΟ	Ψυ	Ψυ	Ψυ	Ψυ	Ψυ	Ψυ	ψυ,Ζυυ	Ψυ	ψ3,203
					npacts on species habitat.																
04	SF	101	0.5/4		กрасเร on species nabitat. n the City and County of San Francisco, from Bayshore	14020	4 1070	201.235	20/21	\$2,045	\$7,719	\$0	¢Ω	\$0	\$950	\$1,000	\$95	\$1,520	\$3	\$6,196	\$9,764
04	SF	101	0.5/8			14936	43970	201.233	20/21	φ2,045	φ1,119	φU	\$0	фυ	φ950	φ1,000	φ90	φ1,520	φο	φ0, 190	φ9,704
			1		oulevard Overcrossing (OC) to South Van Ness																
			1		venue; also on Route 280, from Monterey Boulevard																
			1		nramp OC to King Street onramp (PM R2.8 to T7.2).																
			1		nstall vandalism-resistant security fence and gates to																
1					educe maintenance repairs and enhance highway	1															
				W	orker safety.																

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FOR 2019/2024 PROGRAM YEARS
All amounts in \$1,000

Dist	Co	Rte	PM	Location/Description	PPNO	FΔ	Prog Code	Con FY	Prior	20/21	21/22	22/23	23/24	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				21/22	\$824	\$709	\$6,513	\$0	\$0	\$824	\$667	\$42	\$1,062	\$107	\$5,344	\$8,046
04 /		13	0.7/7.2	mile south of Park Boulevard. Install outer separation	14906	45490	201.010	21/22	φ0 ∠ 4	\$709	φυ,υτο	φυ	φυ	φο24	φ007	Φ4 Ζ	φ1,002	φ107	φυ,υ44	φο,υ40
				barrier and construct rumble strips.																
04 /	ALA	61	19.0/21.0	In and near the cities of Alameda, Emeryville, Berkeley,	1464A	4K400	201.010	21/22	\$822	\$0	\$2,521	\$0	\$0	\$303	\$300	\$219	\$400	\$83	\$2,038	\$3,343
	`	•	10.0/21.0	Albany, and San Leandro, on Routes 61, 123, and 185	' ' ' ' '		201.010	- 1/22	ΨΟΖΖ		Ψ2,021		Ψ	Ψοσο	φοσσ	Ψ210	Ψ100	ΨΟΟ	Ψ2,000	ψο,ο το
				at various locations. Install vehicle speed feedback																
				signs and upgrade signal to standard.																
				lengthe and approach digital to standard.																
04	ALΑ	Var		In Alameda County, on Routes 80, 580, and 680 at	2025R	2Q250	201.010	21/22	\$640	\$684	\$4,208	\$0	\$0	\$640	\$674	\$10	\$694	\$12	\$3,502	\$5,532
				various locations. Place High Friction Surface					·		. ,		·		·	·	·	·	. ,	. ,
				Treatment (HFST).																
04	٩LA	13		In Alameda County, on Routes 13, 24, 580, 680, and	1492F	0K120	201.015	21/22	\$2,406	\$229	\$9,872	\$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.																
04	ALA	580		In Alameda and Contra Costa Counties, on various	1496A	0K770	201.015	21/22	\$1,410	\$0	\$3,446	\$0	\$0	\$700	\$700	\$10	\$700	\$108	\$2,638	\$4,856
				routes at various locations. Upgrade advance warning																
				signs to make standard.	440714	0.1400	201.015	0.4/0.0	***		\$7.440		**	40.40	00.40	* 400	* 4.000	#00	40.000	A 0.400
04	٩LA	580		In various cities, on Routes 580, 680, 880, and 980 at	148/M	3J130	201.015	21/22	\$2,010	\$0	\$7,118	\$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																
04 /	٩LA	1/0"		markings.	1404D	4 1700	204.045	24/22	#0.406	<u>ф</u> О	¢6.400	<u></u>		¢4 440	¢4 074	Ф4 O 4	C4 424	#40	<u> </u>	#0.070
04 /	ALA	var		In Alameda County, on Routes 80 and 880 at various	14816	1J780	201.015	21/22	\$2,496	\$0	\$6,482	\$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 /	ΔΙΔ	580	0.1/9.0	In and near Livermore, from San Joaquin County line to	14940	<u>4 1940</u>	201.235	21/22	\$1,100	\$0	\$2,705	\$0	\$0	\$625	\$400	\$75	\$525	\$183	\$1,997	\$3,805
" '	``_'`\	000	0.1/0.0	0.7 mile west of Greenville Road. Highway worker	14040	10010	201.200	21/22	ψ1,100	ΨΟ	Ψ2,700	Ψ	ΨΟ	ΨΟΣΟ	Ψ+00	Ψίο	Ψ020	Ψ100	Ψ1,007	ψ0,000
				safety improvements.																
04	СС	4	1.0/9.0	In and near Martinez, from East Hercules Underpass to	1454F	3K440	201.010	21/22	\$920	\$1,341	\$9,454	\$0	\$0	\$920	\$1,300	\$41	\$1,579	\$5	\$7,870	\$11,715
				west of Pine Street/Center Avenue. Install safety			======		4020	V 1, V 1	40,101	**	, ,		ψ.,σσσ	, , ,	4 1,51 5	Ψū	41,010	4 ,
				lighting and apply High Friction Surface Treatment																
				(HFST).																
04	СС	80	0.0/13.5	In various cities, from Alameda County line to 0.6 mile	1497F	0K160	201.010	21/22	\$6,869	\$8,243	\$78,457	\$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	\$2,400	\$52	\$13,910	\$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	CC	4		In Contra Costa County, on Routes 4, 24, 80, 123, 242,	1487N	3J140	201.015	21/22	\$2,296	\$0	\$9,037	\$0	\$0	\$1,108	\$1,108	\$80	\$1,400	\$150	\$7,487	\$11,333
				580, and 680 at various locations. Install Accessible																
				Pedestrian Signals (APS) systems and pedestrian																
				countdown timers, and refresh crosswalk markings with																
				high-visibility striping to enhance pedestrian safety.																
	00	4	24 0/40 0	In and near Anticeh and Described Action County	440011	4 1050	204 005	04/00	# 000	0000	04.070	Φ0	Φ0	# 000	# 000	640	ሲ ርዕዕ	Ф70	Φ4 OO 4	#0.407
04	CC	4	31.U/48.2	In and near Antioch and Brentwood, from 0.6 mile east	1492H	4J950	201.235	21/22	\$928	\$663	\$1,876	\$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.	L	<u> </u>	l													

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FOR 2019/2024 PROGRAM YEARS
All amounts in \$1,000

Dist	Со	Rte	PM	Location/Description	PPNO	EA	Prog Code	Con FY	Prior	20/21	21/22	22/23	23/24	PAED	PSE	RW SUP	CONSUP	RW	CON	TOTAL
04				7.1 Near Saratoga, from Route 9 Junction to San Mateo	1462H	0P48U		21/22	\$1,115	\$41	\$5,227	\$0	\$0	\$290	\$825	\$41	\$851	\$20	\$4,356	\$6,383
				County line; also in San Mateo County near Woodside					, ,		, ,		•	,		,		•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, -,
				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																
				1 9 1																
				systems, optical speed bars, and high visibility striping.																
0.4	001				44004	0.1050	004.045	04/00	#4.000	04.445	00.574	Φ0	Φ0	#4.000	04.400	0.4 5	#4.000	Φ.Γ.Ο.	#0.004	# 44.040
04	SCL	9		In Santa Clara County, on Routes 9, 17, 85, 87, 101,	1486A	2J950	201.015	21/22	\$1,300	\$1,445	\$8,574	\$0	\$0	\$1,300	\$1,400	\$45	\$1,600	\$50	\$6,924	\$11,319
				152, 237, 280, 680, and 880 at various locations.																
				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	\$939	\$1,141	\$10,554	\$0	\$0	\$939	\$1,141	\$36	\$1,304	\$103	\$9,111	\$12,634
				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	11.2/3	5.2 Near Gilroy, from Llagas Creek Bridge to the Merced	1452E	2K800	201.235	21/22	\$1,845	\$0	\$7,330	\$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.																
04	SCI	280	0.0/5		14920	4J960	201.235	21/22	\$1,550	\$0	\$4,570	\$0	\$0	\$780	\$770	\$62	\$503	\$170	\$3,835	\$6,120
04	OOL	200	0.0/0	Separation. Pave extended gore areas and narrow	14320	1 -0000	201.200	21/22	ψ1,000	Ψ0	ψ4,570	ΨΟ	ΨΟ	Ψίου	Ψ'''	ΨΟΖ	Ψοσο	Ψ170	ψ0,000	ψ0,120
				strips to improve highway worker safety.																
04	SF	25			14505	3K420	201.010	21/22	\$1,550	¢4.470	\$2,950	Φ0	¢Ω	\$1,550	¢4 204	\$179	\$1,341	\$62	\$1,547	ΦE 070
04	9L	35		In the City and County of San Francisco, at Great	1459E	3N420	201.010	21/22	\$1,550	\$1,470	\$2,950	\$0	\$0	\$1,550	\$1,291	\$179	\$1,341	\$62	\$1,547	\$5,970
0.4	014	\		Highway intersection. Install new signal.	44041	01/070	004.045	04/00	#0.07F	Φ0	Ø7.400	#0	Φ0	#4.050	#4.050	047 5	#4.050	Φ <i>E</i> 7	#F 000	Φ0.04.4
04	SM	var		In and near various cities, on Routes 1, 35, 82, 84, 92,	1491J	0K070	201.015	21/22	\$2,675	\$0	\$7,139	\$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	17.2/1	9.2 In Fairfield, from West Texas Street to Airbase Parkway	1452K	2K810	201.235	21/22	\$1,200	\$0	\$3,702	\$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																
				and gates.																
04	SON	12		In Sonoma County, on Routes 12 and 116 at various	1492G	0K130	201.015	21/22	\$1,750	\$0	\$3,823	\$0	\$0	\$800	\$880	\$70	\$930	\$56	\$2,837	\$5,573
				locations; also in Marin County, on Routes 1 and 131 at																
				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.																
				apgrade curb ramps to emiance pedestrian safety.																
04	ΔΙΛ	61	16 4/1	8.1 In the cities of Oakland and Alameda, from Swan Road	2804E	2Q140	201.010	22/23	\$991	\$0	\$1,031	\$2,158	\$0	\$991	\$904	\$127	\$751	\$126	\$1,281	\$4,180
04	~L/\	"	10.4/1	·	20045	124140	201.010	22/23	ψοσι	Ψ	ψ1,031	ΨΖ, 130	Ψ	ψυσι	ψ904	φ121	φίσι	ΨΙΖΟ	Ψ1,201	ψ+, 100
				to Harbor Bay Parkway. Install new and upgrade																
				existing guardrail in the northbound direction.																
2.	A	000	07.470	7.01	44040	41516	004.040	00/00	0050	40	M4 000	ΦΕ 077	Φ.0	0050	04.000	0.400	04.044	# 00.4	04.00=	ФС 00.1
04	ALA	880	27.1/2		1491C	4J540	201.010	22/23	\$956	\$0	\$1,368	\$5,677	\$0	\$956	\$1,266	\$102	\$1,041	\$601	\$4,035	\$8,001
				East Creek Slough Bridge No. 33-0143. Construct																
				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	\$0	\$794	\$1,573	\$4,504	\$0	\$794	\$1,403	\$170	\$1,215	\$18	\$3,271	\$6,871
				locations. Install rumble strips.		<u>L</u>		<u>L</u>												
04	SCL	101	0.1/49	0.6 In Santa Clara County, on Routes 9, 17, 85, 87, 101,	1495A	0K110	201.015	22/23	\$0	\$1,127	\$1,644	\$15,934	\$0	\$1,127	\$1,574	\$70	\$1,702	\$30	\$14,202	\$18,705
				152, 237, 280, 680, and 880 at various locations.																
				Upgrade guardrail transition railing.																
				· · · · · · · · · · · · · · · · · · ·	-	-	-	-						_			-			

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FOR 2019/2024 PROGRAM YEARS
All amounts in \$1,000

Set 101 0.09 - 3.1 This Copy and Columby of Set Francisco, below Robe 2010	Dist	Со	Rte	PM	Location/Description	PPNO	EA	Prog Code	Con FY	Prior	20/21	21/22	22/23	23/24	PAED	PSE	RW SUP	CONSUP	RW	CON	TOTAL
Inserting and Communication Control					In the City and County of San Francisco, below Route 101 on 13th Street from Folsom Street to Otis									<u> </u>			<u> </u>				\$2,115
2006 Section Control					, •																
Section Control Section Control																					
Disabilities And (ADA) standards as complete streets elements. Financiac Unstruction Only PCO) to the San Francisco Municipal Transportation Authority (SFMTA) (or construction implementation. Function implementation implementation implementation implementation implementation. Plant Stand Sta																					
SM S 20,227 S 20,000					_																
Second Control Contr																					
Name																					
Intersections of Route 35 and Sharp Pairk Road, and Route 35 and Sharp Pairk Road, and Roads 35 and Sharp Pairk Road, and Roads 36 and Hickey Road. Upgade and repending traffic signals, and upgrading larged and repending traffic signals, and upgrading larged and repending traffic signals, and upgrading larged and repending to 2 and 2 and editional larged					for construction implementation.																
Intersections of Roture 38 and Sharp Park Road, and Roture 38 and Chicage Age dependent from the Roture 38 and Chicage Age of Road and Roture 38 and Chicage Age of Hickey Road, Upped and rependent for the Standard Road Age of Age o	04	SM	35	26.2/27.9	In Pacifica and South San Francisco, at the	2031E	00040	201.010	22/23	\$582	\$312	\$780	\$4,177	\$0	\$582	\$780	\$312	\$1,060	\$423	\$2,694	\$5,851
Institute Act (ADA) standards (ADA) standard					· ·					***	,,,,,	7.50	4 1,111	, ,	7552	4.55	,,,,	4 1,000	* .= 0	4 =,00	40,00
On Jackhites Act (ADA) standards Control					Route 35 and Hickey Road. Upgrade and reposition																
ALA 80 S.964 Botheley, from University Avenue to west of Giman Street, as in Centra Casta Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Pleasant Hill on Route 680 from Oak Park Boulevard (PM 162 Carony, in Route 680 from Oak Park Park Park Park Park Park Park Pa																					
Struct_also in Contral Costs County, in Pleasant Hill on Rotter 680 from Oak Park Boulevard (PM 16.9/17.1). Construct outer separation concrete barries between freeway and frontage roads. O4 ALA 84 10.8/18.0 In and near Fremont, Inland City, and Sunol, from Mission Boulevard to Route 680. Install flashing baccors, curve warning signs, speed advisory signs, and definections.	0.4	A 1 A	00	F 0/0 4	. ,	44004	0.1000	204.040	00/04	Φ0	#700	¢4.400	Φ0	#0.004	Ф700	£4.40.4	фC4	#4.000	Ф70	#0.200	#40.450
Route 680 from Oak Park Bouleward for Not 691/71.) Construct other separation concrete barriers between freeway and frontage roads. 2008 201010 23/24 50 \$0 \$1,046 \$1,470 \$3,008 \$1,046 \$1,417 \$53 \$1,178 \$40 \$1,790 \$1,046 \$1,470 \$3,008 \$1,046 \$1,417 \$53 \$1,178 \$40 \$1,790 \$1,046 \$1,470 \$3,008 \$1,046 \$1,417 \$53 \$1,178 \$40 \$1,790 \$1,046 \$1,470 \$1,040 \$1,470 \$1,040 \$1,470 \$1,040 \$1,470 \$1,4	04	ALA	80	5.9/6.4	l	1469A	33260	201.010	23/24	φU	\$790	\$1,498	\$0	\$9,804	\$790	\$1,434	\$04	\$1,390	\$70	\$8,398	\$12,152
Oak Park Boulevard (PM 16,917.1) Construct outer separation concrete barriers between freeway and frontage roads. O4 ALA 84 10.8/18.0 In and near Fremont, Union City, and Sunol, from Mission Boulevard to Route 690. Install flashing beacons, curve warrings isigns, speed advisory signs, and delineators. O4 NAP 121 0.5/10 Near Rang, at Hulchica Creek (PM 0.75). Miligation planting, monitoring and reporting for EA 462/10. O5 Nap 1 38.5/36.3 Near Monitars, from 0.1 mile south of Zam Everted to 3. 2021A 00610 201.010 23/24 50 \$0.0000 \$0.00000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.00000 \$0.0000 \$0.0000 \$0.0000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.000																					
Separation concrete barriers between freeway and frontage roads.																					
ALA 84 10.8/18.0 m and near Fremont, Union City, and Sunol, from 2030E 30850 201.010 23/24 \$0 \$0 \$1,046 \$1,470 \$3,008 \$1,046 \$1,417 \$53 \$1,178 \$40 \$1,790 \$1,040					· · · · · · · · · · · · · · · · · · ·																
Mission Boulevard to Route 680, Install flashing beacons, curve warning signs, speed advisory signs, and delineators.																					
beacons, curve warning signs, speed advisory signs, and delineators. 2016	04	ALA	84	10.8/18.0		2030E	3Q850	201.010	23/24	\$0	\$0	\$1,046	\$1,470	\$3,008	\$1,046	\$1,417	\$53	\$1,178	\$40	\$1,790	\$5,524
And delineators And deline					_																
14 NAP 121 0.511.0 Near Napa, at Huichica Creek (PM 0.75), Mitigation plantaing, monitoring and reporting for EA 4G210.																					
Name	04 1	NAP	121	0.5/1.0		1775H	4G21A	201.010	23/24	\$0	\$0	\$1,900	\$0	\$0	\$0	\$0	\$0	\$900	\$0	\$1,000	\$1,900
mile south of Tom Lantos Tunnel. Install new standard safety barrier. 1					planting, monitoring and reporting for EA 4G210.							·									
Safety barrier. Safety by installing flashing beacons systems and upgrading crosswalk markings. Safety by installing flashing beacons systems and upgrading safety by installing flashing beacons systems and upgrading register. Safety by installing flashing beacons systems and upgrading register. Safety by installing flashing beacons systems and upgrading register. Safety barrier. Safety barri	04	SM	1	36.5/38.3	· ·	2021A	0Q610	201.010	23/24	\$2,148	\$0	\$2,731	\$0	\$8,744	\$2,148	\$2,672	\$59	\$1,637	\$158	\$6,949	\$13,623
D4 SM 92 In San Mateo County, on Routes 92, 101, 280, and 380 2022N 10200 201.015 23/24 \$0 \$1,919 \$2,116 \$0 \$16,299 \$1,919 \$2,054 \$62 \$2,492 \$126 \$13,681 stafety by installing flashing beacon systems, upgrading crosswalk markings and ramp metering systems, and upgrading facilities to Americans with Disabilities Act (ADA) standards. O4 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. O4 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. O4 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. O5 SOL Var In Solano County, on Routes 12, 29, 37, 80, 113, 505, and 780 at various locations is chance pedestrian safety by installing Accessible Pedestrian Signal (APS) systems and countdown timers and upgrading crosswalk markings.																					
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. 04 SOL 80 22.1/22.0 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. 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. 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. 04 SOL Var In Solano County, on Routes 12, 29, 37, 80, 113, 505, and 780 at various locations. Enhance pedestrian Signal (APS) systems and countdown theres and upgrading crosswalk markings.	04	SM	92			2022N	10200	201 015	23/24	0.2	¢1 Q1Q	\$2.116	\$0	\$16 200	¢1 010	\$2.054	\$62	\$2.402	\$126	\$13 681	\$20,334
safety by installing flashing beacon systems, upgrading crosswalk markings and ramp metering systems, and upgrading facilities to Americans with Disabilities Act (ADA) standards. 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. 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. 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 markfings. 04 SOL Var In Solano County, on Routes 12, 29, 37, 80, 113, 505, and 780 at various locations. Enhance pedestrian safety by installing flashing beacons systems and and 480 at various locations. Enhance pedestrian Signal (APS) systems and countdown timers and upgrading crosswalk markfings.	⁰	Civi	52		• • • • • • • • • • • • • • • • • • • •	202214	10200	201.010	20/24	ΨΟ	Ψ1,515	Ψ2,110	ΨΟ	ψ10,233	Ψ1,515	Ψ2,004	ΨΟΖ	Ψ2,432	Ψ120	ψ10,001	Ψ20,004
Crosswalk markings and ramp metering systems, and upgrading facilities to Americans with Disabilities Act (ADA) standards.					· · · · · · · · · · · · · · · · · · ·																
CADA Standards. CADA CADA Standards. CADA					crosswalk markings and ramp metering systems, and																
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. 201.010 23/24 \$0 \$1,056 \$0 \$1,056 \$1,042 \$467 \$929 \$260 \$5,883 \$0 \$1,056 \$1,045 \$1,056 \$1,045 \$1,056 \$1,045																					
Cherry Glen Road. Install outer separation concrete barrier between westbound Route 80 and Lyon Road. O4 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. O4 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. O4 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.	0.4	001	00	00.4/00.0		4.4505	41/000	004.040	00/04	Φ0	A4.050	0.0	#4.500	A7.070	#4.050	A4.040	0.407	4000	# 000	# F 000	#0.007
barrier between westbound Route 80 and Lyon Road.	04 8	SOL	80	22.1/23.0		1459D 	4K300	201.010	23/24	\$0	\$1,056	\$0	\$1,509	\$7,072	\$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 \$0 \$686 \$0 \$1,058 \$4,102 \$686 \$1,045 \$13 \$962 \$48 \$3,092 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$																					
Ranch Parkway/Walters Road. Install flashing beacons, signal ahead warning signs and pavement markings. 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. O4 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. O5 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.					barrier between westbound route of and Lyon road.																
signal ahead warning signs and pavement markings. 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. O4 SOL Var 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. Sol Var Solano County, on Routes 29, 37, 80, and 780 at various locations. Enhance pedestrian safety by installing Accessible Pedestrian Signal (APS) systems and countdown timers and upgrading crosswalk markings.	04 \$	SOL	12	3.2/7.5	In Fairfield and Suisun, from Beck Avenue to Lawler	2034H	0W110	201.010	23/24	\$0	\$686	\$0	\$1,058	\$4,102	\$686	\$1,045	\$13	\$962	\$48	\$3,092	\$5,846
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 OP760 201.015 23/24 \$0 \$604 \$905 \$0 \$7,067 \$604 \$840 \$65 \$1,006 \$98 \$5,963					l																
various locations. Enhance pedestrian and bicyclist safety by installing flashing beacon systems and upgrading crosswalk markings. O4 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.					signal ahead warning signs and pavement markings.																
various locations. Enhance pedestrian and bicyclist safety by installing flashing beacon systems and upgrading crosswalk markings. O4 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.	04 9	SOI	Var		In Solano County, on Routes 29, 37, 80, and 780 at	1464.1	0P760	201.015	23/24	\$0	\$604	\$905	\$0	\$7.067	\$604	\$840	\$65	\$1,006	\$98	\$5,963	\$8,576
safety by installing flashing beacon systems and upgrading crosswalk markings. O4 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.	Ĭ,		, ai		· ·	. 1040	,			Ψ	\$007	\$ 000	Ψ,	ψ1,001	ΨΟΟΤ	ΨΟΙΟ	\$35	Ψ1,000	\$00	ψ5,000	ψ3,010
upgrading crosswalk markings. Un 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. Un Solano County, on Routes 12, 29, 37, 80, 113, 505, 1493H OK100 201.015 23/24 \$0 \$390 \$0 \$577 \$4,233 \$390 \$555 \$22 \$950 \$20 \$3,263 \$390 \$390 \$390 \$390 \$390 \$390 \$390 \$39					· · · · · · · · · · · · · · · · · · ·																
and 780 at various locations. Enhance pedestrian safety by installing Accessible Pedestrian Signal (APS) systems and countdown timers and upgrading crosswalk markings.					upgrading crosswalk markings.																
safety by installing Accessible Pedestrian Signal (APS) systems and countdown timers and upgrading crosswalk markings.	04	SOL	Var			1493H	0K100	201.015	23/24	\$0	\$390	\$0	\$577	\$4,233	\$390	\$555	\$22	\$950	\$20	\$3,263	\$5,200
systems and countdown timers and upgrading crosswalk markings.					·																
crosswalk markings.																					
					1 '																
04 SON 116 Near Petaluma, at the intersection with Lakeville 2028S 2Q770 201.010 23/24 \$1,877 \$0 \$2,500 \$0 \$7,853 \$1,877 \$2,065 \$435 \$1,954 \$755 \$5,144	04 5	SON	116		Near Petaluma, at the intersection with Lakeville	2028S	2Q770	201.010	23/24	\$1,877	\$0	\$2,500	\$0	\$7,853	\$1,877	\$2,065	\$435	\$1,954	\$755	\$5,144	\$12,230
Highway. Intersection improvements.					·					Í		, ,						,		, ,	, ,

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FOR 2019/2024 PROGRAM YEARS
All amounts in \$1,000

Dist	Со	Rte	PM	Location/Description	PPNO	EA	Prog Code	Con FY	Prior	20/21	21/22	22/23	23/24	PAED	PSE	RW SUP	CONSUP	RW	CON	TOTAL
04	SON	1	0.0/58.6	In Sonoma County, from Marin County line to Mendocino County line (PM 0.0/58.583). Install centerline rumble strips, widen shoulders and install wet night visibility striping.		4G780	201.010	23/24	\$0	\$2,155	\$0	\$2,073	\$17,649	\$2,155	\$1,893	\$180	\$3,817	\$314	\$13,518	\$21,877
04	SON	12		In Santa Rosa, at intersection with Boas Drive. Install traffic signal.	2026M	2Q780	201.010	23/24	\$1,097	\$0	\$1,494	\$0	\$3,553	\$1,097	\$1,303	\$191	\$1,089	\$365	\$2,099	\$6,144
04	MRN	37		In San Francisco and Marin Counties, on Routes 35, 37, 80, 101, 131, 280, and 580 at various locations. Replace or install curve warning signs.	2034N	3AC80	201.015	24/25	\$0	\$0	\$0	\$1,052	\$1,494	\$1,052	\$1,321	\$173	\$0	\$0	\$0	\$2,546
04	NAP	12		In Napa and Solano Counties, on various routes at various locations. Replace or install curve warning signs.	2304A	4AC90	201.015	24/25	\$0	\$0	\$0	\$1,036	\$1,884	\$1,036	\$1,794	\$90	\$0	\$0	\$0	\$2,920
04	SON	12		In Sonoma County, on Routes 12, 37, 101, 116, 121, and 128 at various locations. Replace or install curve warning signs.	2035C	4AC40	201.015	24/25	\$0	\$0	\$0	\$830	\$1,308	\$830	\$1,284	\$24	\$0	\$0	\$0	\$2,138
04	SM	9		In San Mateo and Santa Clara Counties, on various routes at various locations. Replace or install curve warning signs.	2034K	3AC00	201.015	25/26	\$0	\$0	\$0	\$1,730	\$1,854	\$1,730	\$1,829	\$25	\$0	\$0	\$0	\$3,584
2020 SHOPP - Collision Reduction TOTAL									\$53,029	\$48,634	\$230,054	\$45,900	\$95,984	\$51,273	\$57,978	\$6,328	\$56,366	\$9,747	\$291,909	\$473,601
				SHOPP - Collision	n Reduc	tion NE\	N REQUESTE	D TOTAL	\$218,304	\$48,634	\$230,054	\$45,900	\$95,984	\$64,201	\$73,765	\$9,034	\$74,715	\$22,353	\$394,808	\$638,876
				SHOPP - Collisi	ion Red	uction P	ROGRAMME	D TOTAL	\$218,304	\$48,634	\$230,054	\$25,318	\$101,499	\$59,553	\$67,537	\$8,722	\$74,715	\$22,333	\$390,949	\$623,809
SHOPP - Collision Reduction DIFFERENCE TOTAL								\$0	\$0	\$0	\$20,582	-\$5,515	\$4,648	\$6,228	\$312	\$0	\$20	\$3,859	\$15,067	

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