

**GL: Safety Improvements – SHOPP Collision  
Reduction Program  
(TIP ID- VAR110004)**

**Last updated with TIP Revision 15-24**

**FTIP BAK-UP LIST FOR SHOPP - COLLISION REDUCTION PROJECTS (VAR110004)**

FOR 2014/2018 PROGRAM YEARS

All amounts in \$1000

Dist	County	Rte	PM	Length	Location/Description	EA	PPNO	FY	Prog Code (20.XX.)	PE	R/W	CON	TOTAL
<b>SHOPP - Collision Reduction</b>													
4	ALA	84	10.8	7.2	In Fremont, from Rosewarnes Underpass to Route 680. Construct minor safety improvements.	2A331	0076A	2014/15	201.010	\$5,070	\$100	\$4,000	\$9,170
4	ALA	84	18.4	16.5	In Hayward, 1.7 miles northeast of A Street undercrossing. Required environmental mitigation for EFIS 04 0000 0455, PPNO 0086Z.	17245	0085Q	2014/15	201.010	\$1,044	\$700	\$990	\$2,734
4	ALA	580	0.4		In Alameda County in various cities, at various locations. Also, on Route 680 at various locations (PM M0.1/R12.4). Upgrade transition railing.	2G522	0107M	2014/15	201.015	\$2,076	\$10	\$2,590	\$4,676
4	ALA	580	19.4	0.0	In Alameda County in various cities, at various locations. Also, on Route 680 at various locations (PM M3.1/R21.8). Upgrade transition railing.	2G521	0107H	2014/15	201.015	\$2,507	\$10	\$4,381	\$6,898
4	ALA	680	R19.9	0.3	In Dublin, at the 580/680 Interchange. Replace metal beam guardrail with concrete guardrail.	2G410	0272K	2014/15	201.015	\$373	\$10	\$1,065	\$1,448
4	ALA	880	R2.9		In Fremont, Newark, Union City, Hayward, San Leandro and Oakland, from 0.6 mile north of Mission Boulevard in Fremont to High Street in Oakland. Install median concrete barriers.	2J070	1480S	2014/15	201.015	\$14,900	\$100	\$35,636	\$50,636
4	ALA	VAR		0.0	In Alameda County, on various routes at various locations. Upgrade transition railing (Site Group #1).	2G501	0107G	2014/15	201.015	\$2,355	\$18	\$4,819	\$7,192
4	ALA	VAR		0.0	In Fremont, Union City, San Leandro and Oakland, on Routes 580, 680 and 880 at various locations. Construct roadside paving.	3G710	8315W	2014/15	201.235	\$1,236	\$44	\$2,450	\$3,730
4	CC	VAR		0.0	In Contra Costa County on routes 160, 242 and 680 at various locations. Upgrade metal beam guard railing transitions to bridges and walls at 80 locations to meet current standards.	2G451	0277E	2014/15	201.015	\$1,377	\$25	\$2,543	\$3,945
4	CC	680	22.2		Near Martinez, from East Martinez Underpass to 0.2 mile south of Marina Vista Avenue at various locations. Upgrade metal beam guard railing transitions to bridges and walls at 7 locations to meet current standards.	2G452	0277F	2014/15	201.015	\$693	\$25	\$300	\$1,018
4	CC	80		0.0	Contra Costa County, on Routes 80 and 580 at various locations. Upgrade metal beam guard railing transitions to bridges and walls at 55 locations to meet current standards.	2G441	0026D	2014/15	201.015	\$1,363	\$40	\$2,140	\$3,543
4	CC	80	5.2		In and near Richmond, Pinole and Hercules, from El Portal Drive to Hercules Overhead at various locations. Upgrade metal beam guard railing transitions to bridges and walls at 4 locations to meet current standards.	2G442	0026F	2014/15	201.015	\$829	\$10	\$762	\$1,601

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4	SCL	82	14.8	3.3	In Sunnyvale, at Route 82 intersections with Henderson Avenue, South Wolfe Road, Maria Lane, Sunnyvale Saratoga Road/South Sunnyvale Avenue, South Mathilda Avenue, and South Bernardo Avenue. Upgrade drainage system, curb ramps and pedestrian passageways	2G540	0525A	2014/15	201.010	\$1,710	\$291	\$6,133	\$8,134
4	SCL	87	9.0	0.2	In San Jose, south of Route 101 and north of Airport Parkway undercrossing. Replace K-Rail barrier and metal beam guard rail with concrete barrier.	4G610	2205A	2014/15	201.010	\$243	\$10	\$515	\$768
4	SF	280	R0.1		Near Daly City, on southbound Route 280 at John Daly Boulevard off-ramp; also on northbound Route 280 at San Jose Avenue overcrossing. Install outer separation concrete barrier.	4H900	0820J	2014/15	201.010	\$1,100	\$10	\$1,511	\$2,621
4	SF	101	1.6	2.5	In San Francisco County, on Routes 101 and 280; also on Route 101 in Marin County at various locations. Construct roadside paving and relocate facilities.	3G700	8315U	2014/15	201.235	\$1,380	\$25	\$2,000	\$3,405
4	SM	82	17.1	17.1	In Millbrae, at the intersection of Route 82 and Millwood Drive. Install traffic signals.	1G540	0686A	2014/15	201.010	\$275	\$50	\$307	\$632
4	SM	280	R0.3	26.8	Near Stanford, from Route 1/280 Junction to San Francisquito Creek at various locations; also near Lincoln, on Route 92 at PM 14.4. Upgrade metal beam guardrail transition railing.	1G830	0730B	2014/15	201.015	\$1,752	\$10	\$3,538	\$5,300
4	SM	92	5.4	0.8	Near Skylawn Memorial Park, from Skyline Boulevard to Skyline Quarry Road; also in Solano County, on Route 780, from 0.2 mile south of East 5th Street undercrossing to 0.4 mile north of East 2nd Street undercrossing. Install metal beam guardrail.	1G850	0730G	2014/15	201.015	\$847	\$8	\$1,262	\$2,117
4	SM	VAR		0.0	In San Mateo County, on Routes 1, 82, 101 and 280 at various locations. Replace metal beam guardrail with concrete guardrail.	4A361	1066A	2014/15	201.015	\$996	\$5	\$4,440	\$5,441
4	SM	101	20.0	6.1	In and near South San Francisco, from Route 380 to South Airport Boulevard; also on Routes 35, 280, and 380 at various locations. Construct roadside paving, access gates and relocate facilities.	3G680	8315Q	2014/15	201.235	\$600	\$5	\$1,100	\$1,705
4	SOL	VAR			In Solano County, on Routes 80 and 680 at various location. Replace metal beam guardrail with concrete guardrail.	4A362	1066C	2014/15	201.015	\$970	\$5	\$3,633	\$4,608
<b>TOTALS FY 2014/2015</b>										<b>\$43,696</b>	<b>\$1,511</b>	<b>\$86,115</b>	<b>\$131,322</b>
4	ALA			0.0	In Alameda County, on various routes at various locations. Upgrade transition railing (Site Group #2).	2G502	0107J	2015/16	201.015	\$1,144	\$7	\$2,042	\$3,193

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4	ALA	VAR	0.0		At the McCosker property on East Bay Regional Parks District (EBRPD) land. Required environmental mitigation (site 2) for EA 17240, EFIS 04 0000 0455, PPNO 0086Z. (Financial Contribution Only.)	17247	0085S	2015/16	201.010	\$350	\$0	\$1,400	\$1,750
4	NAP	29	11.4	11.4	In Napa, at northbound Route 29 at First Street off-ramp intersection. Install traffic signals.	4G540	0340Q	2015/16	201.010	\$644	\$10	\$712	\$1,366
4	SCL	152	11.9	11.9	Near Gilroy at Route 152/Frazier Lake Road intersection. Construct right turn lane and install traffic signals.	0G720	0552	2015/16	201.010	\$1,314	\$119	\$3,340	\$4,773
4	SCL	152	16.2	3.3	Near Gilroy, on Canada Road, 5.2 mile east of Route 152/Canada Road interchange. Planting and environmental mitigation.	2A441	0485U	2015/16	201.010	\$1,345	\$1,000	\$1,486	\$3,831
4	SF	35	2.1		In the City and County of San Francisco, from 36th Avenue to 21st Avenue at various locations. Install pedestrian crosswalk safety enhancements.	4H753	0158K	2015/16	201.015	\$680	\$25	\$1,700	\$2,405
4	SM	101	0.0	20.0	Near Palo Alto, from Santa Clara County line to 0.4 mile south of San Bruno Avenue at various locations. Construct roadside paving and relocate facilities.	3G670	8315R	2015/16	201.235	\$510	\$5	\$1,550	\$2,065
4	SM	VAR		0.0	In San Mateo County, on Routes 82 and 84 at various locations. Install crosswalk safety enhancements.	4G551	0045G	2015/16	201.015	\$2,078	\$76	\$5,570	\$7,724
4	SOL	29			In Solano County, at various locations. Install crosswalk safety enhancements.	4G552	0045K	2015/16	201.015	\$551	\$24	\$1,745	\$2,320
4	SON	VAR			In southern Sonoma County, along the San Pablo Bay shore, between Petaluma River and Tolay Creek. Required environmental mitigation (site 3) for EA 17240, EFIS 04 0000 0455, PPNO 0086Z. (Financial Contribution Only).	17248	0137S	2015/16	201.010	\$15	\$0	\$1,500	\$1,515
4	SON	12	R15.8	0.7	In and near Santa Rosa, on Routes 12 and 101; also in Solano County on Route 37 at various locations. Construct roadside paving and relocate facilities.	3G720	8315S	2015/16	201.235	\$517	\$5	\$1,480	\$2,002
<b>TOTALS FY 2015/2016</b>										<b>\$9,148</b>	<b>\$1,271</b>	<b>\$22,525</b>	<b>\$32,944</b>
4	ALA	84	10.8	7.2	In Fremont, from Route 238 (Mission Boulevard) to Route 680. Widen shoulders, install traffic signals and upgrade barriers.	2A332	0076B	2016/17	201.010	\$16,400	\$1,760	\$16,500	\$34,660
4	ALA	80	4.6	1.1	In Berkeley, from Potter Street/Ashby Avenue on-ramp to University Avenue off-ramp. Replace metal beam guard rail with concrete barrier.	4G230	1003J	2016/17	201.015	\$1,022	\$50	\$1,800	\$2,872
4	ALA	VAR		0.0	In Alameda and Contra Costa counties, on various routes at various intersection locations. Enhance pedestrian crossings.	0J000	0820P	2016/17	201.015	\$1,070	\$10	\$2,466	\$3,546
4	ALA	880	20.4	2.5	In San Leandro, between Washington Avenue and Marina Boulevard. Pave side slope areas.	4H010	0085X	2016/17	201.235	\$1,190	\$5	\$2,864	\$4,059

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4	ALA	VAR		0.0	On Route 13, between 4.3 and 10.1 miles; also on Route 24 between 1.8 and 6.0 miles. Pave beyond gore areas.	4G970	0481F	2016/17	201.235	\$1,350	\$5	\$1,519	\$2,874
4	CC	4	0.0	31.5	Near Concord, on Route 4 from Route 80 to Route 160; also on Route 24 east of Caldecott Tunnel to Route 680. Place vegetation control, Maintenance Vehicle Pullout (MVP) and pave beyond gore.	4G980	0481D	2016/17	201.235	\$1,980	\$5	\$4,925	\$6,910
4	MRN	1	3.1	47.4	In Marin County, near Tamalpais-Homestead Valley, from 0.2 mile west of Erica Road to Valley Ford Road; also in Napa County, on Route 29, from PM 48.0 to PM 48.6. Install centerline rumble strips.	4H870	0487P	2016/17	201.010	\$3,350	\$5	\$5,061	\$8,416
4	NAP	29	11.9	11.9	In Napa, on southbound on-ramp from Solano Avenue to Route 29. Construct concrete barrier.	4G490	0116Q	2016/17	201.015	\$900	\$10	\$1,242	\$2,152
4	SCL	237	R0.0		In Mountain View, from El Camino Real (Route 82) to east of Church Street. Install median barrier.	2J660	1482M	2016/17	201.010	\$995	\$50	\$2,352	\$3,397
4	SCL	152	0.0	5.2	In Santa Clara, from Hecker pass to Uvas Creek. Environmental species mitigation.	2A252	0483R	2016/17	201.010	\$500	\$2,000	\$1	\$2,501
4	SCL	152	13.8	0.9	Near Gilroy, from 0.6 mile west to 0.2 mile east of the Prunedale Avenue intersection. Construct shoulders, install rumble strips and soft median barrier.	1G870	0730F	2016/17	201.010	\$2,616	\$441	\$4,660	\$7,717
4	SCL	280	14.9		In Los Altos, on northbound off-ramp at El Monte Avenue. Realign off-ramp.	4H880	0211Z	2016/17	201.010	\$730	\$10	\$868	\$1,608
4	SCL	152	6.1	29.1	In and near Gilroy, from 1.1 miles east of Watsonville Road to Merced County line. Install rumble strips.	4H860	0487N	2016/17	201.015	\$720	\$6	\$1,632	\$2,358
4	SCL	82	R11.3		In the city of Santa Clara, from Harrison Street to Alpine Avenue at various locations. Install pedestrian crosswalk safety enhancements. (Financial Contribution Only)	4H752	0158H	2016/17	201.015	\$104	\$0	\$766	\$870
4	SCL	880	1.3	0.1	In San Jose, on northbound Route 880 off-ramp to westbound Bascom Avenue; also on southbound Route 880 off-ramp to Bascom Avenue. Construct concrete median barriers.	1G860	0730C	2016/17	201.015	\$991	\$53	\$1,830	\$2,874
4	SCL	101	17.8	23.3	In Santa Clara, San Mateo and San Francisco Counties, on various routes, various locations. Upgrade pump houses.	4G950	0086X	2016/17	201.235	\$1,020	\$5	\$1,980	\$3,005
4	SCL	101	28.5	12.2	Near San Jose, from Blossom Hill Road to Timble Road at various locations. Pave beyond gore areas.	4H000	0085Y	2016/17	201.235	\$756	\$10	\$2,181	\$2,947
4	SF	VAR		0.0	In San Francisco County, on Routes 35 and 82 at various locations; also in Santa Clara County, on Routes 82, 130, and 152 at various locations. Install pedestrian crosswalk safety enhancements.	4H751	0158G	2016/17	201.015	\$2,896	\$80	\$4,650	\$7,626

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4	SF	VAR		0.0	In San Francisco County, on Routes 35 and 82 at various locations; also in Santa Clara County, on Routes 82, 130, and 152 at various locations. Install pedestrian crosswalk regulatory signs and warning signs.	4H750	0158G	2016/17	201.015	\$2,147	\$40	\$5,773	\$7,960
4	SM	82	13.7	13.7	Near Burlingame and Hillsborough city limits, at the intersection of Route 82 and Floribunda Avenue. Install left turn signal.	1G020	0686	2016/17	201.010	\$3,296	\$1,765	\$2,253	\$7,314
4	SOL	80	1.1	37.0	Near Vallejo, on Route 80 between postmile 1.1 and 38.1; on Route 37 at postmile 6.9; also on Route 12 between postmile 7.4 and 19.5. Install roadside safety improvements.	4G960	0481C	2016/17	201.235	\$1,170	\$15	\$2,573	\$3,758
4	SON	101	R33.5	9.9	In and near Healdsburg, from Grant Avenue undercrossing to Canyon Road undercrossing at various locations. Upgrade electroliers.	4G480	0780G	2016/17	201.010	\$900	\$10	\$1,090	\$2,000
4	SON	12	17.7		In Santa Rosa, from Farmers Lane to Brush Creek Road. Install concrete median barrier and Midwest Guardrail System.	4G220	0775F	2016/17	201.010	\$2,780	\$55	\$5,415	\$8,250
<b>TOTALS FY 2016/2017</b>										<b>\$48,883</b>	<b>\$6,390</b>	<b>\$74,401</b>	<b>\$129,674</b>
4	ALA	880	20.9		In San Leandro at the southbound off-ramp to southbound Route 238. Improve safety visibility by installing lighting and improving signs.	1J010	0488J	2017/18	201.010	\$968	\$10	\$765	\$1,743
4	ALA	123	2.8		In Berkeley, at Bancroft Way. Install traffic signal.	1J700	0481X	2017/18	201.010	\$945	\$20	\$673	\$1,638
4	ALA	238	R14.5		In Hayward, from 0.4 mile west of Clawiter Road and 0.3 mile west of Hesperian Boulevard. Install and upgrade safety lighting.	2J670	1482N	2017/18	201.010	\$2,600	\$10	\$3,268	\$5,878
4	ALA	92	R4.0		In Hayward, from west of Clawiter Road to west of Hesperian Boulevard. Install safety lighting and upgrade lighting.	2J440	1482K	2017/18	201.010	\$1,913	\$10	\$2,556	\$4,479
4	ALA	VAR			In Alameda and Contra Costa Counties on various routes at various locations. Apply high friction surface treatment.	1J370	0488M	2017/18	201.010	\$3,494	\$25	\$6,715	\$10,234
4	CC	24	1.0		In Orinda and Lafayette, from east of the Caldecott Tunnel to east of Camino Pablo and at Acalanes Road (PM R4.2/R4.99); also in Oakland on Route 13, at Redwood Road (PM 5.2/5.5). Install safety lighting.	1J990	1418C	2017/18	201.010	\$1,700	\$313	\$2,955	\$4,968
4	CC	4			In and near Concord, from Route 680 to east of Bailey Road at three locations. Install safety lighting, high reflective striping and markings.	2J000	1480F	2017/18	201.010	\$2,532	\$217	\$3,933	\$6,682
4	MRN	101	4.7		Near Mill Valley, from Redwood Highway Frontage Road to Route 131 (Tiburon Boulevard). Install concrete barrier.	4H980	0820K	2017/18	201.010	\$3,865	\$30	\$5,514	\$9,409

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4	MRN	1	0.0	50.5	Near Marin City, from Route 101 to Marin/Sonoma County line. Place concrete under metal beam guard rail.	4G940	0086W	2017/18	201.235	\$990	\$5	\$2,005	\$3,000
4	NAP	121	0.7		Near Napa, at Huichica Creek (PM 0.75). Roadway widening.	4G210	0775G	2017/18	201.010	\$3,870	\$220	\$8,700	\$12,790
4	SCL	152	0.0	5.2	In Santa Clara, from Hecker pass to Uvas Creek. Planting and environmental mitigation.	2A251	0483Q	2017/18	201.010	\$935	\$1,000	\$1,100	\$3,035
4	SCL	152	16.2	3.3	Near Gilroy, from Old Lake Road to San Felipe Road. Environmental species mitigation.	2A442	0485Q	2017/18	201.010	\$600	\$913	\$2,436	\$3,949
4	SCL	85	2.0	2.5	In San Jose, from Cottle Road to south of Route 85/87 Separation at various locations. Pave between edge of shoulder and sound wall.	4G990	0085V	2017/18	201.235	\$720	\$5	\$2,075	\$2,800
4	SM	VAR			On Routes 92, 101 and 280 in Daly City, San Bruno and San Mateo at four locations. Wet pavement conditions safety improvements.	3J900	1489C	2017/18	201.010	\$1,686	\$25	\$3,970	\$5,681
4	SOL	12	19.2	19.2	Near Rio Vista, at the intersection of Route 12 and Route 113. Install roundabout.	4G560	8060A	2017/18	201.010	\$1,800	\$71	\$4,671	\$6,542
4	SOL	80	30.6		In and near Vacaville and Dixon, from west of Gibson Canyon Creek Bridge to Curry Road. Upgrade median barrier.	4A110	0876B	2017/18	201.010	\$5,000	\$10	\$14,700	\$19,710
4	SON	116	31.0		Near Sebastopol, at the intersection of Route 116 and Llano Road. Construct left-turn and merge lanes.	4G380	0817Q	2017/18	201.010	\$2,440	\$75	\$4,645	\$7,160
<b>TOTALS FY 2017/2018</b>										<b>\$36,058</b>	<b>\$2,959</b>	<b>\$70,681</b>	<b>\$109,698</b>
<b>SHOPP - Collision NEW REQUESTED TOTAL</b>										<b>\$137,785</b>	<b>\$12,131</b>	<b>\$253,722</b>	<b>\$403,638</b>
<b>SHOPP - Collision PROGRAMMED TOTAL</b>										<b>\$115,022</b>	<b>\$11,599</b>	<b>\$214,386</b>	<b>\$341,007</b>
<b>SHOPP - Collision Difference TOTAL</b>										<b>\$22,763</b>	<b>\$532</b>	<b>\$39,336</b>	<b>\$62,631</b>