

**GL: Safety Improvements – Highway Safety  
Improvement Program  
(TIP ID – VAR170002)**

**Last updated with 2019 TIP Update**

**Highway Safety Improvement Program (HSIP)  
2019 FTIP Back-Up List, sorted by MPO, Agency and Unique Project ID**

MPO:					Statewide (all MPO's)										
Backup List Updated On:					3/27/018										
Unique Project ID	HR3 Eligibility	District	Agency	MPO	Project Location	Description of Work	Current Total Project Cost Estimate	Current Programmed Federal Funds	Other/Local Funds	Federal Funds Programmed under "Prior"	Federal Funds Programmed in 2018/19	Federal Funds Programmed in 2019/20	Federal Funds Programmed in 2020/21	Federal Funds Programmed in 2021/22	Approved Federal Funds
H8-04-001	Yes	4	Alameda County	MTC	Redwood Road between Marciel Rd and Camino Alta Mira in Castro Valley, and Palomares Rd between Palo Verde Rd and Highway 84.	Pave existing shoulders and provide law enforcement pullout areas to control vehicles speeding along the corridors.	\$418,000	\$376,200	\$41,800	\$0	\$376,200	\$0	\$0	\$0	\$376,200
H8-04-003	No	4	Alameda County	MTC	Fairmont Drive between Lake Chabot Road and 2700 Fairmont Drive in Castro Valley.	Install guardrails.	\$908,800	\$908,800	\$0	\$0	\$0	\$908,800	\$0	\$0	\$908,800
HSIP7-04-001	No	4	Benicia	MTC	The intersection of East 5th Street and Vecino Street, and along East 5th Street between I-780 and Vecino Street	Construct a bulb-out and crosswalk with flashing beacons on East 5th Street @ Vecino Street and extend the eastern sidewalk of East 5th Street to I-780 along with adding two new roadway lights	\$470,600	\$423,540	\$47,060	\$0	\$0	\$0	\$423,540	\$0	\$423,540
HSIP7-04-002	No	4	Benicia	MTC	The intersection of Military West, West 7th Street, Carolina Drive, and Buena Vista	Replace traffic signal to add protected lefts on Military West; upgrade five (5) pedestrian crosswalks, and upgrade controller cabinet	\$281,200	\$253,080	\$28,120	\$0	\$0	\$0	\$253,080	\$0	\$253,080
HSIP6-04-002	No	4	Campbell	MTC	Harriet Avenue between Westmont Avenue and north city limits	Install pedestrian hybrid beacon; construct curb, gutter, sidewalk, and curb ramps; widen sidewalk; install traffic signs, stripes, and pavement markings	\$529,600	\$476,640	\$52,960	\$59,400	\$417,240	\$0	\$0	\$0	\$476,640
H8-04-004	No	4	Contra Costa County	MTC	Intersections of Olympic Boulevard at Bridgefield Road and Walden Road at Westcliffe Lane (unincorporated Walnut Creek area).	Construct ADA curb ramp, curb, gutter, and sidewalk; Install Rectangular Rapid Flashing Beacons (RRFBs).	\$289,400	\$224,400	\$65,000	\$0	\$224,400	\$0	\$0	\$0	\$224,400
H8-04-005	No	4	Contra Costa County	MTC	Marsh Creek Road from the City of Clayton limits to Camino Diablo, Vasco Road from Walnut Boulevard to the Alameda County line, and San Pablo Dam Road from City of Richmond limits to Bear Creek Road.	Upgrade existing guardrails.	\$1,293,200	\$1,293,200	\$0	\$0	\$1,293,200	\$0	\$0	\$0	\$1,293,200
H8-04-006	No	4	Contra Costa County	MTC	Danville Boulevard between Stone Valley Road and Jackson Way in unincorporated Alamo of Contra Costa County.	Construct a roundabout at the intersection of Danville Boulevard and Orchard Court in addition to street improvements, such as sidewalk improvements and curb extensions.	\$2,978,000	\$679,500	\$260,000	\$0	\$0	\$679,500	\$0	\$0	\$679,500
H8-04-007	No	4	Contra Costa County	MTC	San Pablo Dam Road between the Richmond City Limits and Bear Creek Road/Wildcat Canyon Road.	Install centerline rumble strips along 4.6 miles of two-lane, winding roadway; upgrade regulatory and warning signs; reconstruct median island curbs; install lane channelizers along the centerline.	\$760,800	\$760,800	\$0	\$0	\$0	\$760,800	\$0	\$0	\$760,800
H8-04-008	No	4	Contra Costa County	MTC	Byron Highway approx. 350 feet south of Byer Road to Hoffman Lane, adjacent to Excelsior Middle School in unincorporated Byron.	Install southbound left-turn lane on Byron Highway on to Byer Road; Construct a two-way left turn lane to improve access at Excelsior Middle School; and widen roadway to provide paved shoulders.	\$1,046,000	\$616,730	\$429,270	\$0	\$0	\$616,730	\$0	\$0	\$616,730
HSIP7-04-004	No	4	Contra Costa County	MTC	Various roadways located in the unincorporated Bay Point area	Bay Point Sign Upgrade Project: Replacement of existing regulatory and warning signs	\$479,900	\$479,900	\$0	\$85,700	\$0	\$0	\$394,200	\$0	\$479,900
HSIP7-04-005	No	4	Contra Costa County	MTC	On San Pablo Dam Road between Appian Way and Clark Road, within the unincorporated El Sobrante area.	Construct curb, gutter, and sidewalk	\$906,300	\$613,920	\$292,380	\$108,750	\$0	\$0	\$0	\$505,170	\$613,920
HSIP7-04-006	No	4	Contra Costa County	MTC	Byron Highway between Byron Hot Springs Road and Contra Costa/Alameda County Line, within the unincorporated Byron area.	Restripe centerline with double yellow no passing lines, install centerline rumble strips, and upgrade signs	\$515,000	\$515,000	\$0	\$92,000	\$0	\$0	\$423,000	\$0	\$515,000
HSIP7-04-007	No	4	Contra Costa County	MTC	Located on Marsh Creek Road between the city limits of Clayton and Brentwood. The project length is approximately 14 miles.	Install centerline rumble strips/stripes; Add lighting at Deer Valley Road and Marsh Creek Road intersection	\$1,268,000	\$1,268,000	\$0	\$212,000	\$0	\$0	\$0	\$1,056,000	\$1,268,000
H8-04-009	No	4	Fremont	MTC	Fremont Blvd. at the intersections of Mowry Ave. and Stevenson Blvd.	Install 8 pedestrian and bicycle refuge areas (4 at each intersection); remove 8 right-turn slip lanes; relocate signals at intersections to accommodate new refuge areas.	\$1,440,500	\$1,296,450	\$144,050	\$0	\$1,296,450	\$0	\$0	\$0	\$1,296,450
HSIP7-04-008	No	4	Fremont	MTC	On Washington Boulevard from Fremont Boulevard to Interstate 680	Construct curb bulb-out with rectangular rapid flashing beacons(RRFB), install buffered bike lane striping, radar feedback signs, and APS/countdown pedestrian signal heads	\$517,600	\$465,840	\$51,760	\$83,160	\$0	\$0	\$382,680	\$0	\$465,840
H8-04-010	No	4	Marin County	MTC	Various rural arterial and collector roads.	Upgrade existing guardrails.	\$1,200,000	\$1,200,000	\$0	\$0	\$0	\$1,200,000	\$0	\$0	\$1,200,000
H8-04-011	No	4	Marin County	MTC	Various rural arterial and collector roadways	Install guardrail system	\$429,000	\$386,100	\$42,900	\$0	\$0	\$386,100	\$0	\$0	\$386,100
HSIP7-04-010	No	4	Marin County	MTC	Lucas Valley Road at PM 5.08	Improve roadway curve alignment at Mile Post 5.08	\$1,350,000	\$1,207,500	\$142,500	\$198,000	\$0	\$0	\$0	\$1,009,500	\$1,207,500
HSIP7-04-011	No	4	Marin County	MTC	Arterials and rural collector roadways	Sign inventory, roadway safety sign audit and signing upgrade project	\$605,000	\$544,500	\$60,500	\$99,000	\$0	\$0	\$445,500	\$0	\$544,500
HSIP7-04-012	No	4	Marin County	MTC	Panoramic Highway between Mile Post 6.7 and 8.8	Install guardrail (1500 ft.)and install additional curve warning and chevron signs	\$482,600	\$434,340	\$48,260	\$64,440	\$0	\$0	\$369,900	\$0	\$434,340
HSIP7-04-013	No	4	Marin County	MTC	Sir Francis Drake Boulevard between Mile Post 8.60 and 9.53	Install dynamic variable speed warning signs at two locations for the downhill traffic, additional curve warning signs and skid resistant pavement resurfacing	\$1,183,000	\$1,064,700	\$118,300	\$79,650	\$0	\$0	\$985,050	\$0	\$1,064,700
HSIP6-04-008	No	4	Mill Valley	MTC	On Camino Alto between Miller Ave and E. Blithedale Ave	Install bike lanes, striping, signs; upgrade traffic signal	\$396,000	\$356,300	\$39,700	\$63,500	\$0	\$0	\$292,800	\$0	\$356,300
H8-04-012	No	4	Mountain View	MTC	Intersection of Shoreline Blvd. at Villa St.	Upgrade existing traffic signal; add protected left turn phase on minor street approaches; install new pedestrian crosswalk; remove existing channelized free right turn and "pork chop" island; construct curb, gutter, sidewalk.	\$608,800	\$400,725	\$208,075	\$0	\$400,725	\$0	\$0	\$0	\$400,725
H8-04-013	No	4	Oakland	MTC	On Bancroft Avenue in the City of Oakland between Havenscourt Boulevard and 98th Street	Install HAWKS and RRFBs at eleven locations along the corridor; install signal mast arms at three locations; and install a landscape at the northeast corner of Bancroft and 67th Street.	\$4,770,700	\$3,595,300	\$1,175,400	\$0	\$0	\$3,595,300	\$0	\$0	\$3,595,300
H8-04-016	No	4	Oakland	MTC	High Street from San Leandro Street to I-580.	Construct crossing enhancements, signal placement improvements, and new pedestrian signal countdown heads.	\$2,097,300	\$1,580,570	\$516,730	\$0	\$0	\$1,580,570	\$0	\$0	\$1,580,570
H8-04-017	No	4	Oakland	MTC	Intersections in Downtown Oakland in the area bounded by Broadway, 9th Street, Harrison Street, and 7th Street, and the intersection of 10th Street and Harrison Street.	Construct safety improvements at 13 intersections, including signal mast arms, vehicle/bicycle detection, accessible pedestrian signal upgrade, and other improvements.	\$629,400	\$527,040	\$102,360	\$0	\$527,040	\$0	\$0	\$0	\$527,040
H8-04-018	No	4	Oakland	MTC	Twenty-seven (27) existing guardrails on roadways in the Oakland hills.	Upgrade existing guardrails.	\$1,198,500	\$1,003,570	\$194,930	\$0	\$1,003,570	\$0	\$0	\$0	\$1,003,570

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HSIP7-04-015	No	4	Oakland	MTC	Market Street between 4th and 7th Sts & 18 to 19 Sts; Intersections at Market St at 14, 16, 21 Sts; San Pablo Avenue at 32, Brockhurst, and 34 Sts	Stripe and sign bike improvements on Market between 4-7 Sts and 18-19 Sts; install uncontrolled crosswalk enhancements, such as RRFBs, ladder striping, raised bulb-outs, and raised median refuges at multiple locations	\$1,584,300	\$1,425,870	\$158,430	\$183,600	\$0	\$0	\$0	\$1,242,270	\$1,425,870
HSIP7-04-017	No	4	Oakland	MTC	Signalized intersections in Downtown: 10th/Oak, 10th/Jackson, 10th/Harrison, 11th/Jackson, 11th/Harrison, 12th/Franklin, 12th Ped Signal, 13th/Franklin, 17th/Franklin, 19th/Franklin	Upgrade existing deficient signals for pedestrian safety to include countdown signals accessible pedestrian signals	\$565,600	\$509,040	\$56,560	\$65,700	\$0	\$0	\$443,340	\$0	\$509,040
H8-04-019	Yes	4	Palo Alto	MTC	Page Mill Road between the City Limits (Mile Marker 0.0 to Mile Marker 4.5).	Improve curve superelevations and install new guardrails along several turns.	\$1,051,300	\$946,170	\$105,130	\$0	\$0	\$946,170	\$0	\$0	\$946,170
H8-04-020	No	4	Pittsburg	MTC	Stoneman Avenue from Harbor Street to Loveridge Road	Install pedestrian HAWK Signals, intersection striping/signage improvements, and two variable speed signs (at approaches to Stoneman Ave/Meadowbrook Ave).	\$880,000	\$880,000	\$0	\$0	\$0	\$880,000	\$0	\$0	\$880,000
HSIP7-04-018	No	4	Pittsburg	MTC	West Leland Road Corridor between Bailey Road and Montevideo Drive: Intersections of Railroad/California Ave and E. Leland/Loveridge Ave	Install dynamic/variable speed warning signs and centerline rumble strips; provide protected left turn and raised pavement markers and striping; and provide High Friction Surface Treatment	\$1,251,500	\$1,190,620	\$60,880	\$0	\$0	\$0	\$1,190,620	\$0	\$1,190,620
HSIP7-04-021	No	4	San Francisco	MTC	Up to 345 intersections at various locations in the northeast quadrant of San Francisco.	The project will retune up to 345 traffic signals in the northeast quadrant of San Francisco, which includes 251 intersections in the North of Market (NOMA) area and 94 intersections in the South of Market (SOMA) area	\$3,741,900	\$3,741,900	\$0	\$520,000	\$0	\$0	\$0	\$3,221,900	\$3,741,900
H8-04-021	No	4	San Jose	MTC	Senter Road between Story Road/Keyes Street and Singleton Road.	Install buffered bike lanes, a raised median island, fill in missing sidewalk, and general improvements to enhance safety, visibility, and calm vehicle speeds along the corridor.	\$4,042,600	\$909,585	\$404,260	\$0	\$0	\$909,585	\$0	\$0	\$909,585
H8-04-022	No	4	San Jose	MTC	White Road between Penitencia Creek Road and Rose Avenue.	Install buffered bike lanes, enhanced crosswalks, flashing beacons, additional streetlights, and general improvements to enhance safety, visibility, and calm vehicle speeds along the corridor.	\$1,359,400	\$1,223,460	\$135,940	\$0	\$0	\$1,223,460	\$0	\$0	\$1,223,460
HSIP7-04-022	No	4	San Jose	MTC	On McLaughlin Avenue between Interstate 280 and Capitol Expressway.	Install flashing beacons, bulb-outs, enhanced crosswalks, median island, additional streetlights, and general improvements	\$2,793,300	\$2,513,970	\$279,330	\$0	\$0	\$0	\$0	\$2,513,970	\$2,513,970
H8-04-023	No	4	San Leandro	MTC	The intersection of East 14th Street (SR 185) and Joaquin Avenue.	Upgrade the existing aged traffic signal equipment, including adding a scramble pedestrian crosswalk with a dedicated pedestrian signal phase, adding accessible pedestrian signals, and improving signaling, striping, and curb ramps.	\$372,500	\$335,250	\$37,250	\$0	\$335,250	\$0	\$0	\$0	\$335,250
H8-04-024	0	4	San Leandro	MTC	The intersection of East 14th Street (SR 185) and 144th Avenue.	Install pedestrian activated or HAWK signal with Accessible Pedestrian Signal Equipment; improve street lighting and signing & striping for crosswalks; and upgrade disabled curb ramps.	\$204,700	\$184,230	\$20,470	\$0	\$184,230	\$0	\$0	\$0	\$184,230
HSIP7-04-003	No	4	San Leandro	MTC	The intersection of Davis Street with Carpentier Street	Install pedestrian activated or HAWK signal, accessible pedestrian signal equipment; improve street lighting features and signing & striping for crosswalks; and upgrade disabled curb ramps	\$299,300	\$254,405	\$44,895	\$0	\$0	\$0	\$254,405	\$0	\$254,405
H8-04-025	No	4	San Rafael	MTC	The intersection of Third Street and Hetheron Street.	Traffic signal modification for the installation of signal mast arms; widening to accommodate an additional right turn lane, ADA compliant curb ramps, traffic phasing to include an exclusive pedestrian phase and striping improvements.	\$583,900	\$583,900	\$0	\$0	\$0	\$583,900	\$0	\$0	\$583,900
H8-04-026	No	4	Santa Rosa	MTC	Thirty-nine (39) signalized intersections.	Retrofit and upgrade thirty-nine (39) Protected/Permissive signalized intersections with Flashing Yellow Left Turn Arrow displays to meet the current MUTCD/CAMUTCD Standards.	\$994,000	\$994,000	\$0	\$0	\$0	\$994,000	\$0	\$0	\$994,000
H8-04-027	Yes	4	Solano County	MTC	Various locations.	Upgrade existing painted edge lines and centerlines to thermoplastic with raised pavement markers(RPMs) and thermoplastic markings for stop signs.	\$2,029,800	\$2,029,800	\$0	\$0	\$2,029,800	\$0	\$0	\$0	\$2,029,800
H8-04-028	Yes	4	Solano County	MTC	Various locations.	Install new guardrail and upgrade existing guardrail.	\$529,900	\$529,900	\$0	\$0	\$529,900	\$0	\$0	\$0	\$529,900
H8-04-029	No	4	Sonoma County	MTC	Lakeville Road between State Route 116 and State Route 37.	Install new longitudinal center line and edge line rumble strips; and upgrade existing striping for enhanced wet night visibility.	\$912,100	\$912,100	\$0	\$0	\$912,100	\$0	\$0	\$0	\$912,100
H8-04-030	No	4	South San Francisco	MTC	Intersection of Spruce Avenue at Commercial Avenue.	Install new traffic signal with pedestrian countdown timers and accompanying ADA curb ramps.	\$524,000	\$444,000	\$80,000	\$0	\$0	\$444,000	\$0	\$0	\$444,000
HSIP7-04-023	No	4	Suisun City	MTC	1) Sunset Avenue between Highway 12 and a point approximately 300 feet north of Railroad Avenue East. 2) Wallers Road between Highway 12 and E. Tabor Avenue.	Install traffic signal post with left turn arrow, and widen the Railroad Avenue East approach. Replace existing pedestrian head modules with pedestrian head modules that include walking countdown sequence. Install Signal Ahead advance warning signs	\$249,000	\$224,100	\$24,900	\$42,300	\$0	\$0	\$181,800	\$0	\$224,100
HSIP7-04-024	No	4	Suisun City	MTC	Eastbound State Route 12 between Pennsylvania Avenue and Marina Boulevard.	Installation of advance warning beacon system with controller and vehicle detection devices	\$180,000	\$162,000	\$18,000	\$36,000	\$0	\$0	\$126,000	\$0	\$162,000
H8-04-031	No	4	Sunnyvale	MTC	Various locations.	Provide advance dilemma zone detection.	\$844,800	\$844,800	\$0	\$0	\$0	\$844,800	\$0	\$0	\$844,800
HSIP7-04-025	No	4	Sunnyvale	MTC	Intersection of Mathilda Avenue and Indio Way in the City of Sunnyvale.	Modify traffic signals to convert existing pedestal-mounted traffic signals to mast arm, installation of countdown pedestrian signals for all approaches and installation of left turn lanes and phase	\$500,000	\$450,000	\$50,000	\$64,800	\$0	\$0	\$385,200	\$0	\$450,000
HSIP7-04-026	No	4	Sunnyvale	MTC	Intersection of West Remington Drive at Michelangelo Drive	Install pedestrian crossing with enhanced safety features (In-Roadway Warning Lights Pedestrian System); upgrade warning and regulatory signs, and installation/upgrade intersection lighting	\$214,700	\$214,700	\$0	\$38,000	\$0	\$0	\$176,700	\$0	\$214,700
H8-04-032	No	4	Union City	MTC	Two signalized intersections: Alvarado-Niles Road/Mann Ave/Union Square and Alvarado Blvd./Galaxy Drive.	Remove pedestal mounted signal heads, install new mast arms, install new street lights on the mast arm poles and related improvements.	\$537,900	\$537,900	\$0	\$0	\$537,900	\$0	\$0	\$0	\$537,900
HSIP7-04-027	No	4	Union City	MTC	Intersections of Whipple Road/Central Avenue and Decoto Road/Perry Road.	Upgrade visibility/safety of existing traffic signals by removal of pedestal mounted signal heads, install new mast arms to accommodate additional signal head installation, install new street lights on the mast arm poles and related improvements	\$437,700	\$437,700	\$0	\$57,500	\$0	\$0	\$380,200	\$0	\$437,700
				<b>Total(MTC)</b>			<b>\$55,737,400</b>	<b>\$45,432,045</b>	<b>\$5,538,100</b>	<b>\$2,153,500</b>	<b>\$10,068,005</b>	<b>\$16,553,715</b>	<b>\$7,108,015</b>	<b>\$9,548,810</b>	<b>\$45,432,045</b>

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Individually Listed HSIP Funded Projects															
TIP ID: ALA150042															
HSIP7-04-014	No	4	Oakland	MTC	Telegraph Avenue corridor between 29th Street and 45th Street	Stripe and sign road diet with buffered bike lanes between 29th and 41st Sts; install signal modifications at 29th and 45th Sts; install uncontrolled crosswalk enhancements, painted bulb-outs, and painted median refuges	\$1,493,900	\$1,344,510	\$149,390	\$199,260	\$0	\$0	\$1,145,250	\$0	\$1,344,510
TIP ID: ALA150043															
HSIP7-04-016	No	4	Oakland	MTC	Shattuck Avenue at 49 St, 51st, 59th St, Alcatraz Ave; Claremont Avenue between Telegraph Avenue and Clifton Street	Sign and stripe road diet with bike lanes on Claremont; uncontrolled crosswalk enhancements with ladder crosswalk, RRFBS, bulb-out, and/or median refuges at multiple locations; protected left-turn at Shattuck/Alcatraz	\$1,560,100	\$1,404,090	\$156,010	\$0	\$0	\$0	\$0	\$1,404,090	\$1,404,090
TIP ID: ALA170052															
H8-04-014	No	4	Oakland	MTC	Fruitvale Avenue from Ashbrook Court to E 10th Street.	Install new Class II bicycle lanes, enhanced safety features at pedestrian crossings, and a new protected left turn phase at Foothill Blvd.	\$1,466,500	\$1,105,190	\$361,310	\$0	\$0	\$1,105,190	\$0	\$0	\$1,105,190
TIP ID: ALA170053															
H8-04-015	No	4	Oakland	MTC	35th Avenue from E 12th Street to I-580.	Construct crossing enhancements, a protected left turn phase at Foothill Blvd, and Class II bicycle lanes between International Blvd and E 12th Street.	\$2,903,800	\$2,188,360	\$715,440	\$0	\$0	\$2,188,360	\$0	\$0	\$2,188,360
TIP ID: CC-130047															
HSIP6-04-013	No	4	Richmond	MTC	On 37th St between Cerrito Ave and Center Ave	Install bike lanes and pedestrian countdown head; Upgrade traffic signals; Road diet (reduce travel lanes); Install 12 ADA-Compliant Curb Ramps and 4 Bulb-outs	\$368,600	\$286,600	\$82,000	\$0	\$286,600	\$0	\$0	\$0	\$286,600