

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

**Last updated with TIP Revision 2019-42**

MPO: Backup List Updated On:					Statewide (all MPO's) 12/15/2020											
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 2020/21	Federal Funds Programmed in 2021/22	Federal Funds Programmed in 2022/23	Federal Funds Programmed in 2023/24	Approved Federal Funds (total)	
H9-04-001	No	4	Alameda County	MTC	Various unsignalized intersections in unincorporated Alameda County.	Install/upgrade larger or additional stop signs or other warning/regulatory signs; add intersection lighting; add pedestrian crossing with enhanced safety features.	\$1,942,400	\$1,750,000	\$0	\$192,400	\$0	\$1,750,000	\$0	\$0	\$1,942,400	
H9-04-002	No	4	Alameda County	MTC	Various signalized intersections throughout Alameda County: urban and suburban contexts.	Install mast arms; install signal hardware improvements such as additional signal heads, reflective backplates; install leading pedestrian interval.	\$2,493,900	\$2,293,900	\$0	\$200,000	\$0	\$0	\$2,293,900	\$0	\$2,493,900	
H9-04-003	No	4	Alameda County	MTC	Crow Canyon Road, Palomares Road, North Vasco Road, and Altamont Pass Road in unincorporated Alameda County.	Widen paved shoulders, construct edgeline rumble strips, and install chevron signs and delineators.	\$1,812,700	\$1,330,000	\$181,270	\$301,430	\$0	\$1,330,000	\$0	\$0	\$1,631,430	
H9-04-004	No	4	Alameda County	MTC	Twenty-eight (28) guardrail locations within Benicia.	Upgrade existing guardrails and the end treatments.	\$471,300	\$384,300	\$0	\$87,000	\$0	\$384,300	\$0	\$0	\$471,300	
H9-04-005	No	4	Benicia	MTC	The intersections of West 5th St. with Military West and Hasting Dr. with London Dr.	Enhance pedestrian crossings by installing ADA curb ramp, RRFB system, median island, and sidewalk, and other relevant elements.	\$259,100	\$222,000	\$9,100	\$28,000	\$0	\$222,000	\$0	\$0	\$250,000	
H9-04-008	No	4	Concord	MTC	Various locations.	Improve signal hardware (lenses, backplates, mountings, size, number), upgrade cabinet equipment, controllers and modify phasing to provide a Lead Pedestrian Interval (LPI).	\$2,460,800	\$1,979,576	\$73,824	\$407,400	\$0	\$1,979,576	\$0	\$0	\$2,386,976	
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 delineators.	\$2,978,000	\$2,233,000	\$260,000	\$485,000	\$0	\$0	\$0	\$2,233,000	\$2,718,000	
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	\$508,230	\$429,270	\$108,500	\$0	\$0	\$0	\$508,230	\$616,730	
H9-04-009	No	4	Contra Costa County	MTC	Kirker Pass Road between the city limits of Concord and Pittsburg.	Install intersection lighting at two intersections, install protective guardrail along the top of embankment, and install delineators/reflectors along the K-rail median.	\$1,280,000	\$1,051,000	\$0	\$229,000	\$0	\$1,051,000	\$0	\$0	\$1,280,000	
H9-04-010	No	4	Contra Costa County	MTC	Various locations on arterials and major collector roadways in the Crockett area.	Upgrade sub-standard MBGR guardrails to Caltrans standard MGS guardrails and end treatments on arterials and major collector roadways (approximately 41 guardrails with a length of over 12,000 linear feet including end treatments).	\$1,696,500	\$999,963	\$696,537	\$0	\$999,963	\$0	\$0	\$0	\$999,963	
H9-04-011	No	4	Cupertino	MTC	The intersection of Homestead Rd and N De Anza Blvd.	Upgrade existing pedestal-mounted signal to signal on mast arm.	\$213,300	\$182,300	\$0	\$31,000	\$0	\$182,300	\$0	\$0	\$213,300	
H9-04-012	No	4	Fairfield	MTC	14 signalized intersections including N Texas St at Tabor, Travis, Walmart, Atlantic/Cement Hill; Travis Blvd at 2nd, Pennsylvania, Webster, Union, Holiday, Fairfield, Solano Mall, Oliver; Oliver at Woodcreek; and Gateway at Courtyard.	Install Adaptive Signal Timing and advanced dilemma-zone detection, and enhance the visibility of signals.	\$1,870,300	\$935,150	\$935,150	\$0	\$0	\$935,150	\$0	\$0	\$935,150	
H9-04-013	No	4	Fairfield	MTC	Twenty-five (25) locations.	Upgrade existing guardrails and their end treatments.	\$655,400	\$655,400	\$0	\$0	\$0	\$655,400	\$0	\$0	\$655,400	
H9-04-014	No	4	Fairfield	MTC	Five non-signalized intersections, including: N Texas St at Oak St; Pennsylvania Ave at Empire St; N Texas St at Wisconsin St; Travis Blvd at Phoenix Dr; and Travis Blvd at Clay St.	Construct pedestrian crossing enhancements including HAWK installation accompanied by ADA curb ramp, and relevant signs and pavement markings.	\$1,348,100	\$1,226,771	\$121,329	\$0	\$0	\$1,226,771	\$0	\$0	\$1,226,771	
H9-04-015	No	4	Los Gatos	MTC	Guardrail locations on Blossom Hill Road, Cleland Avenue, Los Gatos Boulevard, Miles Avenue, More Avenue, Reservoir Road, and Santa Rosa Drive.	Upgrade the existing non-conforming and/or damaged guardrails.	\$980,100	\$834,900	\$0	\$145,200	\$834,900	\$0	\$0	\$0	\$980,100	
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	\$342,000	\$60,500	\$202,500	\$0	\$342,000	\$0	\$0	\$544,500	
H9-04-016	No	4	Marin County	MTC	Fifty-one (51) signalized intersections throughout Marin County, including unincorporated Marin County and within 11 incorporated cities and towns.	Install pedestrian countdown heads, pedestrian push buttons, 12" LED signal heads, signal head backplates and advanced dilemma zone detections.	\$2,800,300	\$2,300,200	\$0	\$500,100	\$0	\$0	\$2,300,200	\$0	\$2,800,300	
H9-04-017	No	4	Marin County	MTC	Locations on Various rural arterials and major collector roadways in the County of Marin.	Upgrade nonstandard guardrails.	\$961,200	\$861,200	\$0	\$100,000	\$0	\$861,200	\$0	\$0	\$961,200	
H9-04-018	No	4	Napa County	MTC	Silverado Trail, MM 00.00-11.00.	Upgrade existing guardrail on Silverado Trail to meet the current standards.	\$999,400	\$894,100	\$0	\$105,300	\$0	\$0	\$894,100	\$0	\$999,400	
H9-04-019	No	4	Napa County	MTC	Silverado Trail north of Trancas St and south of HWY 29, excluding portions within and managed by City of St. Helena, City of Calistoga, and Caltrans jurisdictions.	Install rumble strips/strips, center lines and shoulder striping on both north-bound and south-bound sides of Silverado trail, approximately 33.4 miles northernmost point to southernmost point.	\$1,744,000	\$1,626,700	\$0	\$117,300	\$0	\$0	\$1,626,700	\$0	\$1,744,000	
H9-04-020	No	4	Novalo	MTC	Diablo Avenue/De Long Avenue corridor between Novato Boulevard and Reichert Avenue.	Improve pedestrian crosswalks throughout the corridor, install advanced dilemma zone detection at two key intersections, and provide an advance flashing beacon at upstream of an intersection with an arterial roadway.	\$1,146,300	\$1,146,300	\$0	\$0	\$0	\$1,146,300	\$0	\$0	\$1,146,300	
H9-04-021	No	4	Oakland	MTC	Foothill Blvd between Harrington Ave and Cole St, and MacArthur Blvd between 69th and 96th Ave.	Construct bulbouts, pedestrian median refuge islands, crosswalk enhancements, Rectangular Rapid Flashing Beacons (RRFBs), signs and striping.	\$1,217,700	\$906,930	\$121,770	\$189,000	\$0	\$906,930	\$0	\$0	\$1,095,930	
H9-04-022	No	4	Oakland	MTC	Four (4) uncontrolled crosswalks along minor arterials at the following three intersections: 7th Street & Filbert Street; Oakland Avenue & Moss Avenue; and 98th Avenue & C Street.	Install flashing beacons, pavement markings and signs; construct a median island, curb ramps and bulb outs.	\$282,300	\$250,000	\$32,300	\$0	\$0	\$250,000	\$0	\$0	\$250,000	
H9-04-025	No	4	Pittsburg	MTC	Various locations throughout the City of Pittsburg.	Improve signal hardware (signal heads, backplates, controllers, BBS, UPS, modems, cabinets, etc) and improve signal timing.	\$1,110,000	\$878,400	\$44,400	\$187,200	\$0	\$878,400	\$0	\$0	\$1,065,600	
H9-04-026	No	4	Rio Vista	MTC	Four (4) pedestrian crossings at the following intersections: S 2nd and Marina Dr (Riverview Junior High); DH White Elementary School and Theresa Way; DH White Elementary School and Laurel Way; and S 7th St and Main St.	Enhance pedestrian crossings by the addition of ADA curb ramp, curb extensions, advance yield signs and lines, Rectangular Rapid Flashing Beacons (RRFBs) and other relevant elements.	\$249,100	\$204,600	\$0	\$44,500	\$0	\$204,600	\$0	\$0	\$249,100	
H9-04-027	No	4	San Jose	MTC	Monterey Road between Skyway Drive and Palm Avenue.	Upgrade guardrails that are damaged and not up to current standards.	\$1,002,800	\$1,000,000	\$2,800	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	
H9-04-028	No	4	San Leandro	MTC	The intersection of Wicks Blvd and Manor Blvd.	Install southbound and northbound left-turn signals; Upgrade signal heads and signal equipment; Install video detections for cars and bikes and advance detection; Install Accessible Pedestrian Signal (APS); Upgrade wheelchair Ramps.	\$359,900	\$322,550	\$0	\$37,350	\$0	\$322,550	\$0	\$0	\$359,900	
H9-04-029	No	4	San Pablo	MTC	The Intersections of Church Lane and Willow Road and El Portal Drive and Mission Bell Road.	Install pedestrian crossing enhancements and illumination.	\$1,015,600	\$750,870	\$101,560	\$163,170	\$0	\$750,870	\$0	\$0	\$914,040	
H9-04-030	No	4	San Rafael	MTC	Five (5) signalized intersections of Third Street at Lindero Street, Lincoln Avenue, Tamalpais Avenue, Irwin Street and Grand Street.	Construct high-visibility crosswalks, install advanced stop bars, and install pedestrian countdown signals at five intersections; and add signal mast arms at three locations.	\$1,575,000	\$1,293,800	\$0	\$281,200	\$0	\$1,293,800	\$0	\$0	\$1,575,000	
H9-04-031	No	4	South San Francisco	MTC	Three (3) non-signalized intersections: W. Orange Ave at N. Canal St; W. Orange Ave at Myrtle Ave, and Hillside Blvd at Claremont Ave.	Construct pedestrian improvements including advanced pedestrian crosswalk, and ADA curb ramps.	\$204,800	\$204,800	\$0	\$0	\$0	\$204,800	\$0	\$0	\$204,800	
H9-04-032	No	4	St Helena	MTC	Silverado Trail, with the project limits bordering Napa County, beginning from approximately 175 feet north of Howell Mountain Road and ending at the southern City limits (1,475 feet total).	Upgrade approximately 1,175 lineal feet of existing guardrail and wood posts with new steel posts, new metal guardrail beams and guardrail delineators.	\$556,100	\$486,100	\$0	\$70,000	\$0	\$486,100	\$0	\$0	\$556,100	
H9-04-033	No	4	Suisun City	MTC	Three (3) pedestrian crossings, including: on Merganser Dr between Sunset Ave and Wigeon Way; the intersection of Pintail Dr. and Scoler Way; and on Lawler Ranch Pkwy between Fennie Way and Hillborn Way.	Enhance pedestrian crossings by the addition of ADA curb ramp, RRFB system, yield lines and signs, and other relevant elements.	\$248,100	\$186,100	\$0	\$62,000	\$186,100	\$0	\$0	\$0	\$248,100	
H9-04-034	No	4	Sunnyvale	MTC	Sixteen (16) locations throughout the City of Sunnyvale	Install video detection equipment to provide advance dilemma zone detection.	\$1,298,000	\$1,112,000	\$0	\$186,000	\$0	\$1,112,000	\$0	\$0	\$1,298,000	
H9-04-035	No	4	Vacaville	MTC	Twenty-one (21) intersections in the City of Vacaville.	Improve signal hardware and timing; install Advanced Dilemma-Zone Detection.	\$2,477,700	\$2,027,700	\$0	\$450,000	\$0	\$0	\$2,027,700	\$0	\$2,477,700	
H9-04-037	No	4	Vallejo	MTC	Six (6) pedestrian crossings at the intersections of Broadway at Hogan, Springs at Tregaskis, Broadway at Illinois, Springs at Heartwood, Springs at Lassen/Hilton, and Broadway at Hampshire.	Install High-Intensity Activated Crosswalk beacon (HAWK) at unsignalized intersections.	\$1,305,800	\$1,155,800	\$0	\$150,000	\$0	\$1,155,800	\$0	\$0	\$1,305,800	
H9-04-038	No	4	Vallejo	MTC	Five (5) intersections including: Foothill Dr at Redwood Pkwy, Valle Vista Ave at Redwood St, Fairview Ave at Redwood St, Howard Ave at Redwood St, and Solano Ave at Tuolumne St.	Construct pedestrian crossing enhancements such as advanced pedestrian warnings and signs as well as Rectangular Rapid-Flashing Beacons (RRFBs).	\$246,000	\$221,000	\$0	\$25,000	\$0	\$221,000	\$0	\$0	\$246,000	
<b>Total</b>							<b>\$43,909,000</b>	<b>\$35,618,640</b>	<b>\$3,069,810</b>	<b>\$5,220,550</b>	<b>\$3,020,963</b>	<b>\$20,713,847</b>	<b>\$9,142,600</b>	<b>\$2,741,230</b>	<b>\$40,839,190</b>	