

**GL: Bridge Rehabilitation and Reconstruction – SHOPP  
Program  
(TIP ID – VAR170010)**

**Last updated with TIP Revision 2019-32**

**FTIP BACK-UP LIST FOR SHOPP - BRIDGE PRESERVATION PROJECTS (VAR170010)**

FOR 2017/2022 PROGRAM YEARS

All amounts in \$1,000

Dist	Co	Rte	PM	Location/Description	PPNO	EA	Prog Code	Con FY	Prior	18/19	19/20	20/21	21/22	PAED	PSE	RW SUP	CON SUP	RW	CON	TOTAL
<b>SHOPP - Bridge Preservation</b>																				
04	ALA	880	10.7	In Fremont, at Crandall Creek Bridge No. 33-0273. Seismic retrofit.	0086Q	4G880	201.113	17-18	\$9,930	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,930
04	ALA	238	R14.6	Between Livermore and Hayward, at East Connector Separation Bridge No. 33-0524F, N238/S880 Connector Bridge No. 33-0540G and I-580 Arroyo Seco Bridge No. 33-0066. Bridge maintenance.	0448E	4H080	201.119	17-18	\$10,931	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,931
04	NAP	128	19.7/20.7	Near Napa, at Capell Creek Bridge No. 21-0078. Rehabilitate bridge.	0830B	4G840	201.110	17-18	\$18,885	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,885
04	NAP	121	9.2/9.4	Near Napa, at Sarco Creek Bridge No. 21-0008. Plant establishment for bridge replacement project.	0380N	2A32A	201.111	17-18	\$350	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350
04	NAP	128	R7.4	Near Rutherford, at Conn Creek Bridge No. 21-0021. Replace bridge.	0587H	1G430	201.111	17-18	\$17,903	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,903
04	ALA	84	13.0/13.6	In Fremont, at Alameda Creek Bridge No. 33-36. Replace bridge.	0084B	16030	201.110	18/19	\$12,799	\$29,275	\$0	\$0	\$0	\$6,500	\$6,000	\$299	\$5,000	\$275	\$24,000	\$42,074
04	ALA	880		In Oakland, near Lake Merritt Channel Bridge No. 33-0027 and 5th Avenue. Replace Hanlon Lead Railroad bridge. Mitigation for EA 1706U.	0050N	4A800	201.110	18/19	\$1,450	\$12,200	\$0	\$0	\$0	\$0	\$1,100	\$350	\$1,700	\$7,500	\$3,000	\$13,650
04	Contra Costa	4	R12.9	Near Martinez, at Grayson Creek Bridge No. 28-0066 R/L. Replace bridges by Financial Contribution Only (FCO) to Contra Costa Transportation Authority.	0298X	22913	201.111	18/19	\$20,600	\$0	\$0	\$0	\$0	\$0	\$100	\$0	\$0	\$0	\$20,500	\$20,600
04	MRN	1		Near Point Reyes Station, at Millerton Gulch Bridge No. 27-0114. Environmental mitigation for emergency project EA 4K500.	0480C	0J570	201.119	18/19	\$2,880	\$1,980	\$0	\$0	\$0	\$1,620	\$1,080	\$180	\$830	\$150	\$1,000	\$4,860
04	NAP	29		In Calistoga, at Napa River Bridge No. 21-0018. Environmental mitigation and plant establishment for bridge replacement project.	0587M	3G64A	201.111	18/19	\$1,040	\$735	\$0	\$0	\$0	\$0	\$640	\$400	\$150	\$85	\$500	\$1,775
04	SCL	280	2.9/17.8	In San Jose, at Bird Avenue Overcrossing Bridge No. 37-0267 (PM R2.78); also in Los Altos Hills at Arastradero Road Undercrossing Bridge No. 37-0251 L/R (PM 17.8). Bridge seismic restoration.	1483K	2J750	201.113	18/19	\$2,244	\$3,325	\$0	\$0	\$0	\$1,144	\$1,034	\$66	\$600	\$90	\$2,635	\$5,569
04	SF	101		Near San Francisco, at Alemany Circle Undercrossing No. 34-0033. Rehabilitate bridge.	0587D	3G620	201.110	18/19	\$7,020	\$35,670	\$0	\$0	\$0	\$4,000	\$3,000	\$20	\$3,250	\$20	\$32,400	\$42,690
04	SOL	80	1.8/4.4	In Vallejo, from Magazine Street Overcrossing No. 23-0066 to Redwood Street Overcrossing No. 23-0114. Increase vertical clearance at six overcrossing structures. □ ACCELERATED BRIDGE	0481R	0J710	201.322	18/19	\$1,870	\$20,128	\$0	\$0	\$0	\$1,870	\$2,154	\$154	\$1,859	\$10	\$15,951	\$21,998
04	ALA	580		Near Livermore, near Greenville Road at Greenville Overhead Bridge No. 33-0121R. Rehabilitate westbound structure.	0480J	0J520	201.110	19/20	\$1,500	\$120	\$7,119	\$0	\$0	\$600	\$900	\$120	\$1,000	\$140	\$5,979	\$8,739
04	ALA	580		In Oakland, at Foothill Boulevard Undercrossing No. 33-0334K. Bridge deck rehabilitation.	1494K	0K470	201.110	19/20	\$419	\$0	\$572	\$0	\$0	\$0	\$398	\$21	\$212	\$0	\$360	\$991
04	ALA	880	11.3/12.3	In Fremont, from 0.5 mile south to 0.5 mile north of Patterson Slough Bridge No. 33-0250 (PM 11.8). Bridge rehabilitation.	0480A	0J530	201.110	19/20	\$2,200	\$0	\$17,315	\$0	\$0	\$2,200	\$1,980	\$704	\$2,420	\$427	\$11,784	\$19,515
04	ALA	80		In Berkeley, at University Avenue Overcrossing No. 33-0023. Establish standard vertical clearance. □ ACCELERATED BRIDGE (PA&ED Only)	1452H	2K830	201.322	19/20	\$3,380	\$0	\$0	\$0	\$0	\$3,380	\$0	\$0	\$0	\$0	\$0	\$3,380
04	ALA	80		In Oakland, at the Routes 80/580/680 MacArthur Maze Bridge No. 33-0061R, 33-0061L, 33-0061L and 33-0611. Establish standard vertical clearance. □ ACCELERATED BRIDGE (PA&ED Only)	1460R	4K810	201.322	19/20	\$6,600	\$0	\$0	\$0	\$0	\$6,600	\$0	\$0	\$0	\$0	\$0	\$6,600
04	CC	580		In Richmond, at Stege Drain Bridge No. 28-0091. Bridge rehabilitation.	1482Q	2J720	201.110	19/20	\$700	\$993	\$6,709	\$0	\$0	\$700	\$876	\$117	\$876	\$5	\$5,828	\$8,402
04	CC	580	5.6/6.2	In Richmond, at Scofield Avenue Undercrossing No. 28-140L/R. Seismic retrofit.	0086R	4G891	201.113	19/20	\$0	\$0	\$22,678	\$0	\$0	\$0	\$1,982	\$47	\$4,437	\$872	\$15,340	\$22,678
04	MRN	101	10.6/10.9	In San Rafael, from Route 101 northbound off-ramp to 2nd Street at San Rafael Harbor Bridge No. 27-0033. Replace bridge.	0350H	4G820	201.110	19/20	\$14,787	\$0	\$6,004	\$0	\$0	\$1,190	\$1,900	\$300	\$2,700	\$570	\$14,131	\$20,791
04	NAP	121		Near Napa, at Capell Creek Bridge No. 21-0064. Bridge rehabilitation.	1489K	4J210	201.110	19/20	\$490	\$835	\$3,400	\$0	\$0	\$490	\$735	\$100	\$735	\$225	\$2,440	\$4,725
04	NAP	29	38.9/42.9	Near Calistoga, at Garnett Creek Bridge No. 21-0005 (PM 39.08), Garnet Creek Branch Bridge No. 21-0111 (PM 38.96), and No Name Creek Bridge No. 21-0100 (PM 42.83). Bridge □ preventative maintenance and scour mitigation.	1483E	2J88U	201.119	19/20	\$1,320	\$2,376	\$6,706	\$0	\$0	\$1,320	\$1,810	\$566	\$1,950	\$812	\$3,944	\$10,402
04	SCL	9		Near Saratoga, at Saratoga Creek Bridge No. 37-0074. Replace bridge.	0386F	3G630	201.110	19/20	\$2,800	\$5,400	\$19,973	\$0	\$0	\$2,800	\$4,200	\$1,200	\$1,526	\$6,779	\$11,668	\$28,173
04	SCL	101		In various cities, on Routes 101 and 237 at various locations. Bridge rail upgrade at eight locations.	0481H	0J560	201.112	19/20	\$1,800	\$2,280	\$16,040	\$0	\$0	\$1,800	\$2,250	\$30	\$2,700	\$70	\$13,270	\$20,120
04	SCL	Var		In various cities, on various routes at Saratoga Creek Bridge, Carnadero Creek Bridge, San Francisco Creek Bridge, San Tomas Aquino Creek Bridge, and Bodfish Creek Bridge. Bridge preventative maintenance.	1482R	2J780	201.119	19/20	\$900	\$794	\$4,045	\$0	\$0	\$900	\$750	\$44	\$790	\$10	\$3,245	\$5,739

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<b>SHOPP - Bridge Preservation</b>																				
04	SF	80	3.8/5.0	In the City and County of San Francisco, on Route 80, at the Bayshore Viaduct No. 34-0088 from Route 101 to 4th Street. Paint superstructure steel members. □ (G13 Contingency)	1483S	2J802	201.110	19/20	\$2,500	\$9,500	\$76	\$0	\$0	\$2,500	\$9,200	\$300	\$0	\$76	\$0	\$12,076
04	SF	101	4.1/5.1	In the City and County of San Francisco, at the Central Viaduct No. 34-0077 from south of 17th Street to S. Van Ness Avenue. Paint superstructure steel members. □ (G13 Contingency)	1483T	2J801	201.110	19/20	\$0	\$0	\$153	\$0	\$0	\$0	\$0	\$0	\$0	\$153	\$0	\$153
04	SOL	84	12.0/12.4	Near Rio Vista, at Miner Slough Bridge No. 23-0035. Replace bridge.	0886	0G660	201.110	19/20	\$6,500	\$1,098	\$30,884	\$0	\$0	\$3,000	\$3,500	\$1,098	\$3,500	\$2,884	\$24,500	\$38,482
04	SOL	80		Near Fairfield, at Suisun Creek Bridge No. 23-0007. Scour mitigation.	0487R	4G872	201.111	19/20	\$1,200	\$620	\$1,365	\$0	\$0	\$1,200	\$600	\$20	\$600	\$5	\$760	\$3,185
04	SOL	80	1.1/34.5	In and near Vallejo, Dixon and Vacaville, at Route 80/29 Separation Bridge No. 23-0087, McCune Creek Bridge No. 23-0084L/R and Horse Creek Bridge No. 23-0077L. Bridge preventative maintenance.	0480N	0J600	201.119	19/20	\$990	\$946	\$2,682	\$0	\$0	\$990	\$880	\$66	\$880	\$423	\$1,379	\$4,618
04	SOL	80		In Vallejo, at Route 80/29 Separation Bridge No. 23-0087. Replace bridge. □ ACCELERATED BRIDGE	1452F	2K840	201.322	19/20	\$2,057	\$0	\$17,561	\$0	\$0	\$2,057	\$2,624	\$22	\$2,600	\$15	\$12,300	\$19,618
04	SON	12	25.8/33.3	In and near Sonoma, at Sonoma Creek Bridge No. 20-0027 and Hooker Creek Bridge No. 20-0030. Scour mitigation.	0269M	4H050	201.111	19/20	\$4,669	\$0	\$20,620	\$0	\$0	\$1,519	\$2,650	\$500	\$3,000	\$4,420	\$13,200	\$25,289
04	MRN	1		Near Point Reyes Station, at Lagunitas Creek Bridge No. 27-0023. Replace bridge.	0756K	0G642	201.113	20/21	\$4,187	\$3,600	\$0	\$20,552	\$0	\$4,187	\$2,850	\$750	\$2,500	\$6,500	\$11,552	\$28,339
04	NAP	128		Near Rutherford, at Conn Creek Bridge No. 21-0021. Plant establishment mitigation for bridge replacement project EA 1G430.	0587K	1G43A	201.111	20/21	\$0	\$0	\$50	\$450	\$0	\$0	\$30	\$20	\$200	\$30	\$220	\$500
04	SF	101	2.0/2.9	In the City and County of San Francisco, at Alemany Circle Undercrossing (UC) No. 34-0064K, Alemany Circle UC No. 34-0063S and Bayshore Boulevard UC No. 34-0047S; also in San Mateo County in Pacifica, at Paloma Avenue Overcrossing No. 35-0187 (PM R44.21). Upgrade bridge rails.	1450E	2K190	201.112	20/21	\$0	\$657	\$1,915	\$7,276	\$0	\$657	\$1,751	\$164	\$1,805	\$10	\$5,461	\$9,848
04	ALA	84	17.0/17.4	Near Sunol, at Arroyo De La Laguna Bridge No. 33-0043. Replace/rehabilitate bridge for scour mitigation, bridge rail upgrade, and seismic retrofit.	0481M	0J550	201.111	21/22	\$1,863	\$0	\$3,850	\$0	\$17,100	\$1,863	\$3,600	\$250	\$3,600	\$500	\$13,000	\$22,813
04	ALA	880	15.6/26.5	In Hayward, San Leandro, and Oakland, at Tennyson Road Overcrossing (OC) No. 33-0236 (PM 15.65), Washington Avenue OC No. 33-0166 (PM 20.82), and Damon Slough Southbound onramp No. 33-0142K (PM 26.53); also on Route 77 in Oakland, at San Leandro OC No. 33-0284 (PM 0.29). Upgrade bridge rails, replace joint seals.	1450C	2K170	201.112	21/22	\$0	\$800	\$1,750	\$0	\$12,525	\$800	\$1,500	\$250	\$2,200	\$25	\$10,300	\$15,075
04	ALA	880		In Oakland, at East Creek Slough Bridge No. 33-0143. Mitigate eroded channel side-slope tidal scour and replace bridge approach slabs.	1483D	2J760	201.119	21/22	\$1,000	\$0	\$0	\$1,010	\$3,577	\$1,000	\$850	\$160	\$1,170	\$100	\$2,307	\$5,587
04	CC	24		In Orinda, at St. Stephens Drive Overcrossing No. 28-0111. Seismic retrofit.	1493A	4J840	201.113	21/22	\$0	\$925	\$1,350	\$0	\$2,480	\$925	\$1,175	\$175	\$375	\$38	\$2,067	\$4,755
04	MRN	101		In San Rafael, at Irwin Creek Bridge No. 27-0097. Rehabilitate corrugated metal arch culvert bridge and adjoining deteriorated culvert structures.	1493K	0K510	201.119	21/22	\$1,100	\$0	\$0	\$1,095	\$3,457	\$1,100	\$880	\$215	\$610	\$944	\$1,903	\$5,652
04	NAP	128		Near Rutherford, at Hopper Slough Bridge No. 20-0019. Replace bridge.	1451C	4J830	201.110	21/22	\$0	\$2,074	\$206	\$1,988	\$11,392	\$2,074	\$1,988	\$206	\$2,014	\$1,514	\$7,864	\$15,660
04	NAP	128	20.1/20.4	Near Napa, at Capell Creek Bridge No. 21-0078. Environmental mitigation and plant establishment for rehabilitate bridge project EA 4G840.	0830C	4G84A	201.110	21/22	\$0	\$0	\$0	\$0	\$1,536	\$0	\$0	\$10	\$250	\$776	\$500	\$1,536
04	NAP	29	14.1/19.0	In and near the cities of Napa and Yountville, at Craig Creek Bridge No. 21-0048 (PM 14.11), Dry Creek Bridge No. 21-0014 (PM 16.48), Perfume Creek Bridge No. 21-0051 (PM 17.81), and California Drive Undercrossing No. 21-0047 (PM 19.04). Upgrade bridge rails and widen shoulders to make standard.	1494E	0K630	201.112	21/22	\$0	\$2,600	\$0	\$1,550	\$8,906	\$2,600	\$1,200	\$350	\$1,500	\$295	\$7,111	\$13,056
04	SM	1		Near Pescadero, at Pescadero Creek Bridge No. 35-0028. Upgrade bridge rails and repair approach slabs.	1494G	4J870	201.110	21/22	\$0	\$1,200	\$0	\$1,008	\$5,894	\$1,200	\$1,000	\$8	\$1,200	\$260	\$4,434	\$8,102
04	SM	101		In Redwood City, at Cordilleras Creek Bridge No. 35-0019. Replace bridge to restore structural integrity.	1483C	2J730	201.110	21/22	\$0	\$4,500	\$0	\$5,625	\$38,355	\$4,500	\$4,500	\$1,125	\$7,500	\$4,285	\$26,570	\$48,480
04	SM	101	0.1/23.4	In East Palo Alto, Redwood City, Belmont, Burlingame, Millbrae, South San Francisco, and Brisbane, from University Avenue Overcrossing to Sierra Point offramp separation. Upgrade bridge rails at eight structures.	1485K	2J740	201.112	21/22	\$0	\$1,326	\$1,716	\$0	\$9,268	\$1,326	\$1,586	\$130	\$1,456	\$64	\$7,748	\$12,310

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<b>SHOPP - Bridge Preservation</b>																					
04	SM	280	0.0/21.0	In and near Menlo Park and San Bruno, from Alpine Road to Route 380 at Alpine Road Undercrossing No. 35-0009L/R (PM R0.05), Sand Hill Road Overcrossing (OC) (South) No. 35-0007 (PM R1.56), Sand Hill Road OC (North) No. 35-0008 (PM R1.62), and Route 280/380 Separation No. 35-0217L/R (PM R20.97). Structure seismic retrofit.	1498G	4J850	201.113	21/22	\$600	\$0	\$0	\$1,100	\$8,732	\$600	\$1,000	\$100	\$1,000	\$262	\$7,470	\$10,432	
04	SM	1		In Half Moon Bay, at the Pilarcitos Creek Bridge No. 35-0139L/R; also on Route 84 at San Gregorio Creek Bridge No. 35-0166 (PM 7.55). Retrofit scour critical bridges to preserve the structural integrity of the bridges by reinforcing with Rock Slope Protection (RSP).	1483M	2J790	201.119	21/22	\$0	\$1,250	\$0	\$1,300	\$3,579	\$1,250	\$1,040	\$260	\$1,300	\$343	\$1,936	\$6,129	
04	SOL	84		Near Rio Vista, at the Cache Slough Ferry Crossing. Upgrade the existing fender systems, concrete ramps, and swing gate systems, modify the ferry boat deck surface, and install traffic counter and Vehicle Detection Systems (VDS).	0480D	4H060	201.119	21/22	\$0	\$2,080	\$0	\$2,340	\$15,060	\$2,080	\$2,080	\$260	\$2,080	\$350	\$12,630	\$19,480	
04	SON	101	16.5/19.0	In and near Santa Rosa, at Todd Road Overcrossing (OC) No. 20-0172 (PM 16.54) and Baker Avenue OC No. 20-0173 (PM 19.00); also in Marin County near Navato, at Miller Creek Road OC No. 27-0082 (PM 15.57). Upgrade bridge rails.	1451A	2K240	201.112	21/22	\$0	\$650	\$910	\$0	\$5,447	\$650	\$780	\$130	\$988	\$116	\$4,343	\$7,007	
04	SON	101		Near Petaluma, at San Antonio Creek Bridges No. 20-0019L/R. Abutment scour mitigation and channel sediment cleaning to address flooding.	1487D	3J080	201.119	21/22	\$982	\$0	\$0	\$440	\$1,625	\$982	\$416	\$24	\$468	\$160	\$997	\$3,047	
04	NAP	29	28.4/29.3	In St. Helena, at Sulphur Creek Bridge No. 21-0016 and York Creek Bridge No. 21-0017. Upgrade bridge rails. (Long Lead Project)	1462K	2K150	201.112	22/23	\$0	\$1,040	\$0	\$0	\$0	\$1,040	\$0	\$0	\$0	\$0	\$0	\$0	\$1,040
<b>SHOPP - Bridge NEW REQUESTED TOTAL</b>									<b>\$ 172,446</b>	<b>\$ 150,977</b>	<b>\$ 195,649</b>	<b>\$ 45,734</b>	<b>\$ 148,933</b>	<b>\$ 77,214</b>	<b>\$ 80,569</b>	<b>\$ 11,311</b>	<b>\$ 75,531</b>	<b>\$ 42,588</b>	<b>\$ 368,527</b>	<b>\$ 713,739</b>	
<b>SHOPP - Bridge PROGRAMMED TOTAL</b>									<b>\$ 172,446</b>	<b>\$ 150,977</b>	<b>\$ 192,006</b>	<b>\$ 45,734</b>	<b>\$ 148,933</b>	<b>\$ 77,214</b>	<b>\$ 80,569</b>	<b>\$ 11,311</b>	<b>\$ 75,341</b>	<b>\$ 42,548</b>	<b>\$ 365,114</b>	<b>\$ 710,096</b>	
<b>SHOPP - Bridge DIFFERENCE TOTAL</b>									<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,643</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 190</b>	<b>\$ 40</b>	<b>\$ 3,413</b>	<b>\$ 3,643</b>	