

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

Last updated with 2017-35

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

FOR 2016/2020 PROGRAM YEARS

All amounts in \$1,000

Dist	County	Route	PM	Location/Description	EA	PPNO	FY	Prog Code (20.XX.)	Support	RW	CON	TOTAL
SHOPP - Bridge Preservation												
04	ALA	580	44.3	In Oakland, at Oakland Avenue Undercrossing No. 33-0288. Rehabilitate bridge deck.	4G790	0135Q	2016/17	201.110	\$ 2,536	\$ 5	\$ 5,300	\$ 7,841
04	CC	242	R1.6	In Concord, at Buchanan Field Viaduct No. 28-0186. Rehabilitate bridge.	4G810	0250B	2016/17	201.110	\$ 1,891	\$ 495	\$ 1,824	\$ 4,210
04	CC	580	5.8	In Richmond, at Scofield Avenue Undercrossing No. 28-140L/R. Seismic retrofit.	4G890	0086R	2016/17	201.113	\$ 4,697	\$ 500	\$ 12,372	\$ 17,569
04	MRN	101	15.4	Near San Rafael on Route 101 at Miller Creek Bridge No. 27-0004. Scour mitigation.	4G871	0487Q	2016/17	201.111	\$ 860	\$ 50	\$ 965	\$ 1,875
04	NAP	29	47.0/47.2	Near Calistoga, at Troutdale Creek Bridge No. 21-0004. Plant establishment.	4A09A	0382E	2016/17	201.111	\$ 175	\$ 5	\$ 100	\$ 280
04	NAP	29	37	In Calistoga, at Napa River Bridge No. 21-0018. Replace bridge.	3G641	0587G	2016/17	201.111	\$ 6,850	\$ 1,282	\$ 8,704	\$ 16,836
04	SM	1	44.0	In Pacifica, at San Jose avenue Pedestrian Overcrossing No. 35-0240. Replace bridge.	4G850	0681Q	2016/17	201.110	\$ 3,775	\$ 5	\$ 4,445	\$ 8,225
04	SCL	85	R20.0	Near Sunnyvale, at Stevens Creek Bridge No. 37-0185, 0.2 mile north of Fremont Avenue undercrossing. Overlay southbound deck with polyester concrete and overlay northbound deck with reinforced concrete.	4G830	0440Q	2016/17	201.110	\$ 1,532	\$ 10	\$ 4,319	\$ 5,861
04	SCL	152	6.1/6.5	Near Gilroy, at Uvas Creek. Required environmental species mitigation for bridge replacement project EA 04-44880.	44884	0487M	2016/17	201.111	\$ 330	\$ -	\$ 800	\$ 1,130
TOTALS FY 2016/2017									\$ 22,646	\$ 2,352	\$ 38,829	\$ 63,827
04	ALA	580	R26.8/R27.2	In Castro Valley, on eastbound East Castro Valley Boulevard Undercrossing No. 33-0235L. Replace bridge deck.	4G800	0130B	2017/18	201.110	\$ 2,788	\$ 27	\$ 4,000	\$ 6,815
04	ALA	880	10.7	In Fremont, at Crandall Creek Bridge No. 33-0273. Seismic retrofit.	4G880	0086Q	2017/18	201.113	\$ 4,510	\$ 20	\$ 5,400	\$ 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.	4H080	0448E	2017/18	201.119	\$ 3,747	\$ 20	\$ 7,164	\$ 10,931

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

FOR 2016/2020 PROGRAM YEARS

All amounts in \$1,000

Dist	County	Route	PM	Location/Description	EA	PPNO	FY	Prog Code (20.XX.)	Support	RW	CON	TOTAL
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.	4G820	0350H	2017/18	201.110	\$ 5,671	\$ 570	\$ 8,546	\$ 14,787
04	NAP	128	19.7/20.7	Near Napa, at Capell Creek Bridge No. 21-0078. Rehabilitate bridge.	4G840	0830B	2017/18	201.110	\$ 5,936	\$ 239	\$ 12,710	\$ 18,885
04	NAP	121	9.2/9.4	Near Napa, at Sarco Creek Bridge No. 21-0008. Plant establishment for bridge replacement project.	2A32A	0380N	2017/18	201.111	\$ 150	\$ 100	\$ 100	\$ 350
04	NAP	128	R7.4	Near Rutherford, at Conn Creek Bridge No. 21-0021. Replace bridge.	1G430	0587H	2017/18	201.111	\$ 6,938	\$ 3,800	\$ 7,165	\$ 17,903
04	NAP	121	6.4	In Napa, at Tulucay Creek Bridge No. 21-0003. Repair bridge girders.	4G920	0086U	2017/18	201.119	\$ 1,455	\$ 262	\$ 2,170	\$ 3,887
04	SOL	80	13.9	Near Fairfield, at Dan Wilson Creek Bridge No. 23-0006. Rehabilitate bridge.	3G690	8315N	2017/18	201.110	\$ 2,442	\$ 145	\$ 2,600	\$ 5,187
TOTALS FY 2017/2018									\$ 33,637	\$ 5,183	\$ 49,855	\$ 88,675
04	ALA	84	13.0/13.6	In Fremont, at Alameda Creek Bridge No. 33-36. Replace bridge.	16030	0084B	2018/19	201.110	\$ 17,799	\$ 275	\$ 24,000	\$ 42,074
4	ALA	880		In Oakland, at East Creek Slough Bridge No. 33-0143. □ Mitigate eroded channel side-slope tidal scour and replace □ bridge approach slabs.	2J760	1483D	2018/19	201.119	\$1,000	\$0	\$0	\$1,000
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.	2K170	1450C	2018/19	201.112	\$ 2,300	\$ -	\$ -	\$ 2,300
04	ALA	880	30.5/0	In Oakland, at Lake Merrit Channel Bridge No. 33-0027 and 5th Avenue overhead. Bridge replacement.	4A800	0050N	2018/19	201.110	\$ 3,220	\$ 6,800	\$ 4,450	\$ 14,470
04	CC	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.	22913	0298X	2018/19	201.111	\$100	\$ -	\$20,500	\$20,600

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

FOR 2016/2020 PROGRAM YEARS

All amounts in \$1,000

Dist	County	Route	PM	Location/Description	EA	PPNO	FY	Prog Code (20.XX.)	Support	RW	CON	TOTAL
04	CC	24	R3.5	In Orinda, at St. Stephens Drive Overcrossing No. 28-0111. Seismic retrofit.	4J840	1493A	2018/19	201.113	\$ 2,100	\$ -	\$ -	\$ 2,100
4	MRN	101		In San Rafael, at Irwin Creek Bridge No. 27-0097. □ Rehabilitate corrugated metal arch culvert bridge and □ adjoining deteriorated culvert structures.	0K510	1493K	2018/19	201.119	\$1,100	\$0	\$0	\$1,100
04	MRN	1	28.5	Near Point Reyes Station, at Lagunitas Creek Bridge No. 27-0023. Replace bridge.	0G642	0756K	2018/19	201.113	\$ 7,787	\$ 6,500	\$ -	\$ 14,287
04	MRN	1	33.4	Near Point Reyes Station, at Millerton Gulch Bridge No. 27-0114. Repair damaged embankment and construct retaining wall.	0J570	0480C	2018/19	201.119	\$ 3,710	\$ 450	\$ 4,020	\$ 8,180
04	NAP	29	37	In Calistoga, at Napa River Bridge No. 21-0018. Environmental mitigation and plant establishment for bridge replacement project.	3G64A	0587M	2018/19	201.111	\$ 1,190	\$ 85	\$ 500	\$ 1,775
04	NAP	128	5.1	Near Rutherford, at Hopper Slough Bridge No. 20-0019. Replace bridge.	4J830	1451C	2018/19	201.110	\$ 4,062	\$ -	\$ -	\$ 4,062
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.	0K630	1494E	2018/19	201.112	\$ 3,800	\$ -	\$ -	\$ 3,800
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	2K150	1462K	2018/19	201.112	\$ 1,840	\$ -	\$ -	\$ 1,840
4	NAP	128	R7.4	Near Rutherford, at Conn Creek Bridge No. 21-0021. Plant establishment mitigation for bridge replacement project EA 1G430.	1G43A	0587K	20/21	201.111	\$ 250	\$ 30	\$ 220	\$ 500
04	SCL	280	R2.9/17.8	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.	2J750	1483K	2018/19	201.113	\$ 2,794	\$ 90	\$ 2,414	\$ 5,298

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

FOR 2016/2020 PROGRAM YEARS

All amounts in \$1,000

Dist	County	Route	PM	Location/Description	EA	PPNO	FY	Prog Code (20.XX.)	Support	RW	CON	TOTAL
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.	2K190	1450E	2018/19	201.112	\$ 2,408	\$ -	\$ -	\$ 2,408
04	SF	101	2.0	Near San Francisco, at Alemany Circle Undercrossing No. 34-0033. Rehabilitate bridge.	3G620	0587D	2018/19	201.110	\$ 10,270	\$ 20	\$ 32,400	\$ 42,690
04	SM	1	14.0	Near Pescadero, at Pescadero Creek Bridge No. 35-0028. Upgrade bridge rails and repair approach slabs.	4J870	1494G	2018/19	201.110	\$ 2,200	\$ -	\$ -	\$ 2,200
04	SM	101	7.1	In Redwood City, at Cordilleras Creek Bridge No. 35-0019. Replace bridge to restore structural integrity.	2J730	1483C	2018/19	201.110	\$ 9,000	\$ -	\$ -	\$ 9,000
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 8 structures.	2J740	1485K	2018/19	201.112	\$ 2,912	\$ -	\$ -	\$ 2,912
04	SM	1	28.9	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).	2J790	1483M	2018/19	201.119	\$ 2,290	\$ -	\$ -	\$ 2,290

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

FOR 2016/2020 PROGRAM YEARS

All amounts in \$1,000

Dist	County	Route	PM	Location/Description	EA	PPNO	FY	Prog Code (20.XX.)	Support	RW	CON	TOTAL
4	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.	4J850	1498G	2018/19	201.113	\$600	\$0	\$0	\$600
04	SOL	84	2.5	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).	4H060	0480D	2018/19	201.119	\$ 4,160	\$ -	\$ -	\$ 4,160
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.	0J710	0481R	2018/19	201.322	\$ 6,037	\$ 10	\$ 15,951	\$ 21,998
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.	2K240	1451A	2018/19	201.112	\$ 1,430	\$ -	\$ -	\$ 1,430
4	SON	101		Near Petaluma, at San Antonio Creek Bridges No. 20 □ -0019R/L. Abutment scour mitigation and channel sediment □ cleaning to address flooding.	3J080	1487D	2018/19	201.119	\$982	\$0	\$0	\$982
TOTALS FY 2018/2019									\$ 95,341	\$ 14,260	\$ 104,455	\$ 214,056
04	ALA	580	R8.0	Near Livermore, near Greenville Road at Greenville Overhead Bridge No. 33-0121R. Rehabilitate westbound structure.	0J520	0480J	2019/20	201.110	\$ 2,620	\$ 140	\$ 5,979	\$ 8,739
4	ALA	580		In Oakland, at Foothill Boulevard Undercrossing No. 33-0334K. Bridge deck rehabilitation.	0K470	1494K	2019/20	201.110	\$631	\$0	\$360	\$991

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

FOR 2016/2020 PROGRAM YEARS

All amounts in \$1,000

Dist	County	Route	PM	Location/Description	EA	PPNO	FY	Prog Code (20.XX.)	Support	RW	CON	TOTAL
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.	0J530	0480A	2019/20	201.110	\$ 7,304	\$ 427	\$ 11,784	\$ 19,515
4	ALA	80	5.8	In Berkeley, at University Avenue Overcrossing No. 33-0023. Establish standard vertical clearance. □ (PA&ED Only)	2K830	1452H	2019/20	201.322	\$12,080	\$35	\$27,678	\$39,793
4	ALA	80		In Oakland, at the Routes 80/580/680 MacArthur Maze (Bridge No. 33-0061R, 33-0061L, 33-0061L and 33-0611L). Establish standard vertical clearance. □ (PA&ED Only)	4K810	1460R	2019/20	201.322	\$22,460	\$500	\$105,489	\$128,449
04	ALA	84	17.2	Near Sunol, at Arroyo De La Laguna Bridge No. 33-0043. Bridge scour mitigation and bridge rail upgrade.	0J550	0481M	2019/20	201.111	\$ 9,313	\$ 500	\$ 13,000	\$ 22,813
04	CC	580	1.2	In Richmond, at Stege Drain Bridge No. 28-0091. Bridge rehabilitation.	2J720	1482Q	2019/20	201.110	\$ 2,569	\$ 5	\$ 5,828	\$ 8,402
04	NAP	121	18.6	Near Napa, at Capell Creek Bridge No. 21-0064. Bridge rehabilitation.	4J210	1489K	2019/20	201.110	\$ 2,060	\$ 225	\$ 2,440	\$ 4,725
4	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.	2J88U	1483E	19/20	201.119	\$ 5,646	\$ 812	\$ 3,944	\$ 10,402
04	SCL	9	4.9	Near Saratoga, at Saratoga Creek Bridge No. 37-0074. Replace bridge.	3G630	0386F	2019/20	201.110	\$ 6,122	\$ 6,779	\$ 11,668	\$ 24,569
04	SCL	101	VAR	In various cities, on Routes 101 and 237 at various locations. Bridge rail upgrade at 8 locations.	0J560	0481H	2019/20	201.112	\$ 6,780	\$ 30	\$ 10,711	\$ 17,521
04	SCL	VAR	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.	2J780	1482R	2019/20	201.119	\$ 2,294	\$ 10	\$ 2,391	\$ 4,695

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

FOR 2016/2020 PROGRAM YEARS

All amounts in \$1,000

Dist	County	Route	PM	Location/Description	EA	PPNO	FY	Prog Code (20.XX.)	Support	RW	CON	TOTAL
04	SF	101	4.1/R5.1	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 ; also, on Route 80 at the Bayshore Viaduct (No. 34-0088) from Route 101 to 4th Street (PM 3.9/4.8). Paint superstructure steel members. (G13 Contingency Project)	2J800	1483S	2019/20	201.110	\$ 25,000	\$ 62	\$ 100,793	\$ 125,855
04	SOL	80	14.6	Near Fairfield, at Suisun Creek Bridge No. 23-0007. Scour mitigation.	4G872	0487R	2019/20	201.111	\$ 2,420	\$ 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. 23-0084 L/R and Horse Creek Bridge No. 23-0077 L. Bridge preventative maintenance.	0J600	0480N	2019/20	201.119	\$ 2,816	\$ 423	\$ 1,379	\$ 4,618
4	SOL	80	1.1	In Vallejo, at Route 80/29 Separation Bridge No. 23-0087. Replace bridge. □ (PA&ED Only)	2K840	1452F	2019/20	201.322	\$7,119	\$15	\$11,922	\$19,056
04	SOL	84	12.0/12.4	Near Rio Vista, at Miner Slough Bridge No. 23-0035. Replace bridge.	0G660	0886	2019/20	201.110	\$ 11,098	\$ 2,884	\$ 24,500	\$ 38,482
04	SON	12	25.8/33.3	In and near Sonoma, at Sonoma Creek Bridge No. 20-0027, Stuart Creek Bridge No. 20-0025 and Hooker Creek Bridge No. 20-0030. Scour mitigation.	4H050	0269M	2019/20	201.111	\$ 6,669	\$ 150	\$ 9,000	\$ 15,819
TOTALS FY 2019/2020									\$ 135,001	\$ 13,002	\$ 349,626	\$ 497,629
SHOPP - Bridge NEW REQUESTED TOTAL									\$ 286,625	\$ 34,797	\$ 542,765	\$ 864,187
SHOPP - Bridge PROGRAMMED TOTAL									\$ 287,275	\$ 34,767	\$ 542,545	\$ 864,587
SHOPP - Bridge DIFFERENCE TOTAL									\$ (650)	\$ 30	\$ 220	\$ (400)