

**TIP Revision Summary
2019-32**

TIP ID	Sponsor	Project Name	Description of Change	Funding Change (\$)	Funding Change (%)
System: Local Road					
ALA170085	Alameda County Transportation Commission (ACTC)	7th Street Grade Separation East	Update the funding plan to change the program year and source for \$389 in CON funds from FY20 Repurposed Earmark to FY23 RTP-LRP funds as the Earmark funds are being reprogrammed to ALA170087.	\$0	0.0%
ALA170086	Alameda County Transportation Commission (ACTC)	7th Street Grade Separation West	Update the funding plan to change the program year and source for \$20,975 in CON funds from FY20 Repurposed Earmark to FY23 RTP-LRP funds as the Earmark funds are being reprogrammed to ALA170087	\$0	0.0%
ALA170087	Alameda County Transportation Commission (ACTC)	Freight Intelligent Transportation System (FITS)	Update the funding plan to add \$21K in Repurposed Earmark funds that are being reprogrammed from ALA170085 and ALA170086	\$21,364	0.1%
CC-170035	Antioch	Antioch - L Street Pathway to Transit	Update the funding plan to reprogram \$1.5M in CON CMAQ and \$1.4M in CON Other Local from FY21 to FY22	\$0	0.0%
SM-070002	San Mateo CCAG	San Mateo Countywide ITS Improvements	Update the funding plan to reprogram \$4M in RIP and \$917K in Local funds from FY20 to FY21	\$0	0.0%
System: State Highway					
VAR170007	Caltrans	GL: Safety Imprv. - SHOPP Collision Reduction	Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$7.5M in SHOPP funds	\$7,468,000	0.9%
VAR170008	Caltrans	GL: Emergency Repair - SHOPP Emergency Response	Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$40M in SHOPP funds	\$40,107,000	5.6%
VAR170009	Caltrans	GL: Safety Improvements - SHOPP Mandates	Updating group listing. Requesting \$1,813,000 in additional SHOPP funds.	\$1,813,000	1.4%
VAR170010	Caltrans	GL: Bridge Rehab and Reconstruction - SHOPP	Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$3.6M in SHOPP funds	\$3,643,000	0.5%
System: Transit					
ALA170048	Altamont Commuter Express (ACE)	ACE Fixed Guideway (Capital Lease)	Update the funding plan to change the source for \$3.5K in FY21 funds from 5307 to 5337	\$0	0.0%
MRN170006	Marin County Transit District	MCTD: Replace Articulated Vehicles	Update the funding plan to add \$2.6M in FY20 5307, \$501K in FY19 LCTOP and \$553K in FY20 LCTOP funds	\$3,711,002	41.0%
REG090037	Bay Area Rapid Transit District (BART)	BART: Railcar Procurement Program	Update the funding plan to change the program year and source for \$107M in CON funds from FY23 RTP-LRP to FY20 TIRCP	\$0	0.0%
SCL050001	Santa Clara Valley Transportation Authority (VTA)	VTA: Standard & Small Bus Replacement	Update the funding plan to add \$9K in FY20 Other Local funds	\$9,021	0.0%
Total Funding Change:				\$56,772,387	

TIP Revision Summary

	Federal	State	Regional	Local	Total	2019 TIP Only
Current:	\$513,008,430	\$2,681,354,222	\$52,556,599	\$2,728,709,901	\$5,975,629,152	\$2,837,050,875
Proposed:	\$515,665,230	\$2,842,539,424	\$52,556,599	\$2,621,640,286	\$6,032,401,539	\$3,000,901,898
Delta:	\$2,656,800	\$161,185,202	\$0	-\$107,069,615	\$56,772,387	\$163,851,023

**Report of TIP Revision 2019-32
(By Phase & Fund Source)**

PROPOSED

TIP ID: ALA170048 Revision: 2019-32 Version: 7 Status: ACCEPTED CTIPS ID: 20600006252

Sponsoring Agency: ACE Implementing Agency: SJRC

Trans. System: TRANSIT Mode:RAIL:100% Project Type: COMMUTER RAIL Purpose: OPERATIONS

Project Name: ACE Fixed Guideway (Capital Lease) Hwy Rte:

Proj Description: ACE: Along ACE Corridor: Capital Lease payments required to operate along Union Pacific corridor

Revision Reason: Update the funding plan to change the source for \$3.5K in FY21 funds from 5307 to 5337

Primary RTP ID: 17-10-0027 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$119,830,000,000 Review: AA

RTP Description: Regional Transit Operations

AQCTF Review: Reviewed

AQ Description: EXEMPT (40 CFR 93.126) - Operating assistance to transit agencies

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	5307-T5	3,935,093	1,355,640	1,143,890	-	1,435,563	-	-	-
CON	5337-T5	2,304,907	134,360	346,110	1,490,000	334,437	-	-	-
CON	LOCAL GEN FUND	1,894,800	372,500	707,300	372,500	442,500	-	-	-
Total Funding		8,134,800	1,862,500	2,197,300	1,862,500	2,212,500	-	-	-

CURRENT

TIP ID: ALA170048 Revision: 2019-11 Version: 6 Status: ACTIVE CTIPS ID: 20600006252

Sponsoring Agency: ACE Implementing Agency: SJRC

Trans. System: TRANSIT Mode:RAIL:100% Project Type: COMMUTER RAIL Purpose: OPERATIONS

Project Name: ACE Fixed Guideway (Capital Lease) Hwy Rte:

Proj Description: ACE: Along ACE Corridor: Capital Lease payments required to operate along Union Pacific corridor

Revision Reason: Update the funding plan to add \$335K in FY19 Local funds

Primary RTP ID: 17-10-0027 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$119,830,000,000 Review: AA

RTP Description: Regional Transit Operations

AQCTF Review: Reviewed

AQ Description: EXEMPT (40 CFR 93.126) - Operating assistance to transit agencies

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	5307-T5	3,938,632	1,355,640	1,143,890	-	1,439,102	-	-	-
CON	5337-T5	2,301,368	134,360	346,110	1,490,000	330,898	-	-	-
CON	LOCAL GEN FUND	1,894,800	372,500	707,300	372,500	442,500	-	-	-
Total Funding		8,134,800	1,862,500	2,197,300	1,862,500	2,212,500	-	-	-

End of Project ALA170048

Report of TIP Revision 2019-32
(By Phase & Fund Source)

PROPOSED

TIP ID: ALA170085 Revision: 2019-32 Version: 4 Status: ACCEPTED CTIPS ID: 20600006482

Sponsoring Agency: ACTC Implementing Agency: ACTC

Trans. System: LOCAL ROAD Mode: FREIGHT:74% | AUTO:20% | BIKE/PED:6% Project Type: PORT/FREIGHT Purpose: MAINT/REHAB

Project Name: 7th Street Grade Separation East Hwy Rte:

Proj Description: Oakland: 7th St and rail tracks between 1880 and Maritime St in the Port of Oakland: Reconstruct the existing 7th St underpass on an adjacent alignment, rail tracks, and other rail infrastructure. No through lanes will be added; 7th St path: improve trail

Revision Reason: Update the funding plan to change the program year and source for \$389 in CON funds from FY20 Repurposed Earmark to FY23 RTP-LRP funds as the Earmark funds are being reprogrammed to ALA170087.

Primary RTP ID: 17-01-0015 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$558,000,000 Review: PR

RTP Description: 7th Street Grade Separation East

AQCTF Review: Review Pending

AQ Description: EXEMPT (40 CFR 93.127) - Changes in vertical and horizontal alignment

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	SALESTAX-MEASURE	6,593,000	6,593,000	-	-	-	-	-	-
ENV	SB1	-	-	-	-	-	-	-	-
PSE	SALESTAX-MEASURE	12,427,000	-	12,427,000	-	-	-	-	-
PSE	SB1	7,980,000	-	7,980,000	-	-	-	-	-
CON	EARMARK-T5	-	-	-	-	-	-	-	-
CON	LOCAL GEN FUND	2,000,000	-	-	2,000,000	-	-	-	-
CON	RTP-LRP	48,000,000	-	-	-	-	-	48,000,000	-
CON	SB1	175,000,000	-	-	175,000,000	-	-	-	-
Total Funding		252,000,000	6,593,000	20,407,000	177,000,000	-	-	48,000,000	-

CURRENT

TIP ID: ALA170085 Revision: 2019-19 Version: 3 Status: ACTIVE CTIPS ID: 20600006482

Sponsoring Agency: ACTC Implementing Agency: ACTC

Trans. System: LOCAL ROAD Mode: FREIGHT:74% | AUTO:20% | BIKE/PED:6% Project Type: PORT/FREIGHT Purpose: MAINT/REHAB

Project Name: 7th Street Grade Separation East Hwy Rte:

Proj Description: Oakland: 7th St and rail tracks between 1880 and Maritime St in the Port of Oakland: Reconstruct the existing 7th St underpass on an adjacent alignment, rail tracks, and other rail infrastructure. No through lanes will be added; 7th St path: improve trail

Revision Reason: Update the funding plan to change the program year and source for \$175M in CON funds from FY23 RTP-LRP to FY20 SB1-TCEP and reprogram \$907K in SB1-LPP from FY18 ENV to FY19 PSE

Primary RTP ID: 17-01-0015 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$558,000,000 Review: PR

RTP Description: 7th Street Grade Separation East

AQCTF Review: Review Pending

AQ Description: EXEMPT (40 CFR 93.127) - Changes in vertical and horizontal alignment

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	SALESTAX-MEASURE	6,593,000	6,593,000	-	-	-	-	-	-
ENV	SB1	-	-	-	-	-	-	-	-
PSE	SALESTAX-MEASURE	12,427,000	-	12,427,000	-	-	-	-	-
PSE	SB1	7,980,000	-	7,980,000	-	-	-	-	-
CON	EARMARK-T5	389	-	-	389	-	-	-	-
CON	LOCAL GEN FUND	2,000,000	-	-	2,000,000	-	-	-	-
CON	RTP-LRP	47,999,611	-	-	-	-	-	47,999,611	-
CON	SB1	175,000,000	-	-	175,000,000	-	-	-	-
Total Funding		252,000,000	6,593,000	20,407,000	177,000,389	-	-	47,999,611	-

End of Project ALA170085

**Report of TIP Revision 2019-32
(By Phase & Fund Source)**

PROPOSED

TIP ID: ALA170086 Revision: 2019-32 Version: 3 Status: ACCEPTED CTIPS ID: 20600006483

Sponsoring Agency: ACTC Implementing Agency: ACTC

Trans. System: LOCAL ROAD Mode: FREIGHT:74% | AUTO:20% | BIKE/PED:6% Project Type: PORT/FREIGHT Purpose: MAINT/REHAB

Project Name: 7th Street Grade Separation West Hwy Rte:

Proj Description: Oakland: Within the Port: Implement road and rail improvements, realign and grade separate 7th St and Maritime intersection, reconstruct and widen multi-use path; Between Joint Intermodal Terminal and the Oakland Harbor Intermodal Terminal: Add rail spur

Revision Reason: Update the funding plan to change the program year and source for \$20,975 in CON funds from FY20 Repurposed Earmark to FY23 RTP-LRP funds as the Earmark funds are being reprogrammed to ALA170087

Primary RTP ID: 17-01-0018 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$171,000,000 Review: PR

RTP Description: 7th Street Grade Separation West

AQCTF Review: Review Pending

AQ Description: NON-EXEMPT

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
PE	SALESTAX-MEASURE	19,000,000	19,000,000	-	-	-	-	-	-
CON	EARMARK-T5	-	-	-	-	-	-	-	-
CON	LOCAL GEN FUND	2,000,000	-	-	2,000,000	-	-	-	-
CON	RTP-LRP	144,000,000	-	-	-	-	-	144,000,000	-
Total Funding		165,000,000	19,000,000	-	2,000,000	-	-	144,000,000	-

CURRENT

TIP ID: ALA170086 Revision: 2019-00 Version: 2 Status: ACTIVE CTIPS ID: 20600006483

Sponsoring Agency: ACTC Implementing Agency: ACTC

Trans. System: LOCAL ROAD Mode: FREIGHT:74% | AUTO:20% | BIKE/PED:6% Project Type: PORT/FREIGHT Purpose: MAINT/REHAB

Project Name: 7th Street Grade Separation West Hwy Rte:

Proj Description: Oakland: Within the Port: Implement road and rail improvements, realign and grade separate 7th St and Maritime intersection, reconstruct and widen multi-use path; Between Joint Intermodal Terminal and the Oakland Harbor Intermodal Terminal: Add rail spur

Revision Reason: 2019 TIP Update

Primary RTP ID: 17-01-0018 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$171,000,000 Review: PR

RTP Description: 7th Street Grade Separation West

AQCTF Review: Review Pending

AQ Description: NON-EXEMPT

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
PE	SALESTAX-MEASURE	19,000,000	19,000,000	-	-	-	-	-	-
CON	EARMARK-T5	20,975	-	-	20,975	-	-	-	-
CON	LOCAL GEN FUND	2,000,000	-	-	2,000,000	-	-	-	-
CON	RTP-LRP	143,979,025	-	-	-	-	-	143,979,025	-
Total Funding		165,000,000	19,000,000	-	2,020,975	-	-	143,979,025	-

End of Project ALA170086

Report of TIP Revision 2019-32 (By Phase & Fund Source)

PROPOSED

TIP ID: ALA170087 Revision: 2019-32 Version: 4 Status: ACCEPTED CTIPS ID: 20600006484

Sponsoring Agency: ACTC Implementing Agency: ACTC
 Trans. System: LOCAL ROAD Mode: FREIGHT:74% | AUTO:20% | BIKE/PED:6% Project Type: PORT/FREIGHT Purpose: OTHER
 Project Name: Freight Intelligent Transportation System (FITS) Hwy Rte:

Proj Description: Oakland: In the Port of Oakland and surrounding areas: Implement ITS improvements, signal systems, and other technologies to cost-effectively manage truck arrivals and improve incident response

Revision Reason: Update the funding plan to add \$21K in Repurposed Earmark funds that are being reprogrammed from ALA170085 and ALA170086

Primary RTP ID: 17-01-0026 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$51,000,000 Review: PR
 040

RTP Description: Minor Freight Improvements Programmatic

AQCTF Review: Review Pending

AQ Description: EXEMPT (40 CFR 93.127) - Intersection signalization projects at individual intersections

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	SALESTAX-MEASURE	2,500,000	2,500,000	-	-	-	-	-	-
PSE	SALESTAX-MEASURE	4,100,000	4,100,000	-	-	-	-	-	-
CON	EARMARK-T5	21,364	-	-	21,364	-	-	-	-
CON	FEDERAL-OTHER	11,544,000	-	11,544,000	-	-	-	-	-
CON	LOCAL GEN FUND	-	-	-	-	-	-	-	-
CON	SB1	12,456,000	-	12,456,000	-	-	-	-	-
Total Funding		30,621,364	6,600,000	24,000,000	21,364	-	-	-	-

CURRENT

TIP ID: ALA170087 Revision: 2019-00 Version: 3 Status: ACTIVE CTIPS ID: 20600006484

Sponsoring Agency: ACTC Implementing Agency: ACTC
 Trans. System: LOCAL ROAD Mode: FREIGHT:74% | AUTO:20% | BIKE/PED:6% Project Type: PORT/FREIGHT Purpose: OTHER
 Project Name: Freight Intelligent Transportation System (FITS) Hwy Rte:

Proj Description: Oakland: In the Port of Oakland and surrounding areas: Implement ITS improvements, signal systems, and other technologies to cost-effectively manage truck arrivals and improve incident response

Revision Reason: 2019 TIP Update

Primary RTP ID: 17-01-0026 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$51,000,000 Review: PR

RTP Description: Minor Freight Improvements Programmatic

AQCTF Review: Review Pending

AQ Description: EXEMPT (40 CFR 93.127) - Intersection signalization projects at individual intersections

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	SALESTAX-MEASURE	2,500,000	2,500,000	-	-	-	-	-	-
PSE	SALESTAX-MEASURE	4,100,000	4,100,000	-	-	-	-	-	-
CON	FEDERAL-OTHER	11,544,000	-	11,544,000	-	-	-	-	-
CON	LOCAL GEN FUND	-	-	-	-	-	-	-	-
CON	SB1	12,456,000	-	12,456,000	-	-	-	-	-
Total Funding		30,600,000	6,600,000	24,000,000	-	-	-	-	-

End of Project ALA170087

Report of TIP Revision 2019-32 (By Phase & Fund Source)

PROPOSED

TIP ID: CC-170035 Revision: 2019-32 Version: 4 Status: ACCEPTED CTIPS ID: 20600006330

Sponsoring Agency: Antioch Implementing Agency: Antioch
 Trans. System: LOCAL ROAD Mode: AUTO:50% | BIKE/PED:45% | BUS:5% Project Type: SIDEWALK Purpose: SYSTMGMT
 Project Name: Antioch - L Street Pathway to Transit Hwy Rte:
 Proj Description: Antioch: On L Street from Hwy 4 to Antioch Marina: Widen street in various locations and restripe to provide continuous bike lanes and sidewalks, upgrade existing traffic signals, install new bus shelters
 Revision Reason: Update the funding plan to reprogram \$1.5M in CON CMAQ and \$1.4M in CON Other Local from FY21 to FY22
 Primary RTP ID: 17-02-0003 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$162,000,000 Review: AA
 040
 RTP Description: Bicycle and Pedestrian Program
 AQCTF Review: Review Pending
 AQ Description: EXEMPT (40 CFR 93.126) - Bicycle and pedestrian facilities

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	LOCAL GEN FUND	25,000	-	25,000	-	-	-	-	-
PSE	LOCAL GEN FUND	225,000	-	225,000	-	-	-	-	-
ROW	LOCAL GEN FUND	100,000	-	100,000	-	-	-	-	-
CON	CMAQ-T5	1,469,000	-	-	-	-	1,469,000	-	-
CON	LOCAL GEN FUND	1,227,000	-	-	-	-	1,227,000	-	-
CON-CE	LOCAL GEN FUND	200,000	-	-	-	-	200,000	-	-
Total Funding		3,246,000	-	350,000	-	-	2,896,000	-	-

CURRENT

TIP ID: CC-170035 Revision: 2019-13 Version: 3 Status: ACTIVE CTIPS ID: 20600006330

Sponsoring Agency: Antioch Implementing Agency: Antioch
 Trans. System: LOCAL ROAD Mode: AUTO:50% | BIKE/PED:45% | BUS:5% Project Type: SIDEWALK Purpose: SYSTMGMT
 Project Name: Antioch - L Street Pathway to Transit Hwy Rte:
 Proj Description: Antioch: On L Street from Hwy 4 to Antioch Marina: Widen street in various locations and restripe to provide continuous bike lanes and sidewalks, upgrade existing traffic signals, install new bus shelters
 Revision Reason: Update the funding plan to add \$246K in FY21 CON CMAQ funds
 Primary RTP ID: 17-02-0003 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$162,000,000 Review: AA
 RTP Description: Bicycle and Pedestrian Program
 AQCTF Review: Review Pending
 AQ Description: EXEMPT (40 CFR 93.126) - Bicycle and pedestrian facilities

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	LOCAL GEN FUND	25,000	-	25,000	-	-	-	-	-
PSE	LOCAL GEN FUND	225,000	-	225,000	-	-	-	-	-
ROW	LOCAL GEN FUND	100,000	-	100,000	-	-	-	-	-
CON	CMAQ-T5	1,469,000	-	-	-	1,469,000	-	-	-
CON	LOCAL GEN FUND	1,227,000	-	-	-	1,227,000	-	-	-
CON-CE	LOCAL GEN FUND	200,000	-	-	-	200,000	-	-	-
Total Funding		3,246,000	-	350,000	-	2,896,000	-	-	-

End of Project CC-170035

**Report of TIP Revision 2019-32
(By Phase & Fund Source)**

PROPOSED

TIP ID: MRN170006 **Revision:** 2019-32 **Version:** 4 **Status:** ACCEPTED **CTIPS ID:** 20600006198

Sponsoring Agency: MCTD **Implementing Agency:** MCTD

Trans. System: TRANSIT **Mode:**BUS:100% **Project Type:** ROLLING STOCK **Purpose:** MAINT/REHAB

Project Name: MCTD: Replace Articulated Vehicles **Hwy Rte:**

Proj Description: MCTD: System-wide: Replace Articulated Vehicles

Revision Reason: Update the funding plan to add \$2.6M in FY20 5307, \$501K in FY19 LCTOP and \$553K in FY20 LCTOP funds

Primary RTP ID: 17-10-0026 **Sec. RTP ID:** **RTP Cycle:** PLANBAYAREA2 **RTP Cost:** \$30,564,000,000 **Review:** PR

RTP Description: Regional Transit Capital - Existing Conditions

AQCTF Review: Review Pending

AQ Description: EXEMPT (40 CFR 93.126) - Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	5307-T5	9,872,800	-	7,216,000	2,656,800	-	-	-	-
CON	LCTOP	1,054,202	-	500,806	553,396	-	-	-	-
CON	SALESTAX-MEASURE	1,624,173	-	1,624,173	-	-	-	-	-
CON	SB1	216,827	-	-	216,827	-	-	-	-
Total Funding		12,768,002	-	9,340,979	3,427,023	-	-	-	-

CURRENT

TIP ID: MRN170006 **Revision:** 2019-11 **Version:** 3 **Status:** ACTIVE **CTIPS ID:** 20600006198

Sponsoring Agency: MCTD **Implementing Agency:** MCTD

Trans. System: TRANSIT **Mode:**BUS:100% **Project Type:** ROLLING STOCK **Purpose:** MAINT/REHAB

Project Name: MCTD: Replace Articulated Vehicles **Hwy Rte:**

Proj Description: MCTD: System-wide: Replace Articulated Vehicles

Revision Reason: Update the funding plan to remove \$115K in FY19 5307 and add \$15K in Sales Tax and \$217K in SB1 funds

Primary RTP ID: 17-10-0026 **Sec. RTP ID:** **RTP Cycle:** PLANBAYAREA2040 **RTP Cost:** \$30,564,000,000 **Review:** PR

RTP Description: Regional Transit Capital - Existing Conditions

AQCTF Review: Review Pending

AQ Description: EXEMPT (40 CFR 93.126) - Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	5307-T5	7,216,000	-	7,216,000	-	-	-	-	-
CON	SALESTAX-MEASURE	1,624,173	-	1,624,173	-	-	-	-	-
CON	SB1	216,827	-	-	216,827	-	-	-	-
Total Funding		9,057,000	-	8,840,173	216,827	-	-	-	-

End of Project MRN170006

Report of TIP Revision 2019-32 (By Phase & Fund Source)

PROPOSED

TIP ID: REG090037 Revision: 2019-32 Version: 24 Status: ACCEPTED CTIPS ID: 20600004447

Sponsoring Agency: BART Implementing Agency: BART

Trans. System: TRANSIT Mode: RAIL:100% Project Type: ROLLING STOCK Purpose: MAINT/REHAB

Project Name: BART: Railcar Procurement Program Hwy Rte:

Proj Description: BART: Procure 790 Railcars (includes the replacement of 669 Railcars)

Revision Reason: Update the funding plan to change the program year and source for \$107M in CON funds from FY23 RTP-LRP to FY20 TIRCP

Primary RTP ID: 17-10-0026 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$30,564,000,000 Review: AA

040

RTP Description: Regional Transit Capital - Existing Conditions

AQCTF Review: Reviewed

AQ Description: NON-EXEMPT

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	5307-T4	44,059,933	44,059,933	-	-	-	-	-	-
CON	5307-T5	77,126,193	23,494,251	22,228,344	31,403,598	-	-	-	-
CON	5309-T3	12,565,777	12,565,777	-	-	-	-	-	-
CON	5309-T4-FG	10,000,000	10,000,000	-	-	-	-	-	-
CON	5337-T4	1,500,000	1,500,000	-	-	-	-	-	-
CON	5337-T5	86,464,385	10,195,637	23,238,892	53,029,856	-	-	-	-
CON	BT-664	12,556,599	-	12,556,599	-	-	-	-	-
CON	BT-RM2	40,000,000	15,000,000	25,000,000	-	-	-	-	-
CON	CMAQ-T5	99,800,000	50,000,000	26,000,000	23,800,000	-	-	-	-
CON	LOCAL GEN FUND	1,518,792,141	670,284,076	407,419,653	437,088,412	-	4,000,000	-	-
CON	RTP-LRP	718,334,219	-	-	-	-	-	718,334,219	-
CON	SB1	107,100,000	-	-	107,100,000	-	-	-	-
Total Funding		2,728,299,247	837,099,674	516,443,488	652,421,866	-	4,000,000	718,334,219	-

CURRENT

TIP ID: REG090037 Revision: 2019-30 Version: 23 Status: ACTIVE CTIPS ID: 20600004447

Sponsoring Agency: BART Implementing Agency: BART

Trans. System: TRANSIT Mode: RAIL:100% Project Type: ROLLING STOCK Purpose: MAINT/REHAB

Project Name: BART: Railcar Procurement Program Hwy Rte:

Proj Description: BART: Procure 790 Railcars (includes the replacement of 669 Railcars)

Revision Reason: Update the funding plan to change the program year and fund source for \$5.2M from FY23 RTP-LRP to FY20 5307 and for \$4.2M in FY23 RTP-LRP to FY20 5337

Primary RTP ID: 17-10-0026 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$30,564,000,000 Review: AA

RTP Description: Regional Transit Capital - Existing Conditions

AQCTF Review: Reviewed

AQ Description: NON-EXEMPT

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	5307-T4	44,059,933	44,059,933	-	-	-	-	-	-
CON	5307-T5	77,126,193	23,494,251	22,228,344	31,403,598	-	-	-	-
CON	5309-T3	12,565,777	12,565,777	-	-	-	-	-	-
CON	5309-T4-FG	10,000,000	10,000,000	-	-	-	-	-	-
CON	5337-T4	1,500,000	1,500,000	-	-	-	-	-	-
CON	5337-T5	86,464,385	10,195,637	23,238,892	53,029,856	-	-	-	-
CON	BT-664	12,556,599	-	12,556,599	-	-	-	-	-
CON	BT-RM2	40,000,000	15,000,000	25,000,000	-	-	-	-	-
CON	CMAQ-T5	99,800,000	50,000,000	26,000,000	23,800,000	-	-	-	-
CON	LOCAL GEN FUND	1,518,792,141	670,284,076	407,419,653	437,088,412	-	4,000,000	-	-
CON	RTP-LRP	825,434,219	-	-	-	-	-	825,434,219	-
Total Funding		2,728,299,247	837,099,674	516,443,488	545,321,866	-	4,000,000	825,434,219	-

End of Project REG090037

Report of TIP Revision 2019-32 (By Phase & Fund Source)

PROPOSED

TIP ID: SCL050001	Revision: 2019-32	Version: 34	Status: ACCEPTED	CTIPS ID: 20600002923
Sponsoring Agency: VTA		Implementing Agency: VTA		
Trans. System: TRANSIT	Mode: BUS:100%	Project Type: ROLLING STOCK		Purpose: MAINT/REHAB
Project Name: VTA: Standard & Small Bus Replacement				Hwy Rte:
Proj Description: VTA: Fleetwide: Standard and Small Bus Replacement				
Revision Reason: Update the funding plan to add \$9K in FY20 Other Local funds				
Primary RTP ID: 17-10-0026	Sec. RTP ID:	RTP Cycle: PLANBAYAREA2	RTP Cost: \$30,564,000,000	Review: AA
RTP Description: Regional Transit Capital - Existing Conditions				
AQCTF Review: Reviewed				
AQ Description: EXEMPT (40 CFR 93.126) - Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet				

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	5307-T4	30,683,245	30,683,245	-	-	-	-	-	-
CON	5307-T5	79,857,507	62,670,943	13,665,061	3,521,503	-	-	-	-
CON	5309-T4-BUS	7,390,000	7,390,000	-	-	-	-	-	-
CON	5337-T5	4,335,965	4,335,965	-	-	-	-	-	-
CON	5339	9,115,692	9,115,692	-	-	-	-	-	-
CON	5339-T5	19,321,369	12,083,231	3,539,063	3,699,075	-	-	-	-
CON	LOCAL GEN FUND	137,580,953	131,474,777	4,301,031	1,805,145	-	-	-	-
CON	PROP-1B	5,847,500	5,847,500	-	-	-	-	-	-
CON	STATE-OTHER	3,348,895	3,348,895	-	-	-	-	-	-
Total Funding		297,481,126	266,950,248	21,505,155	9,025,723	-	-	-	-

CURRENT

TIP ID: SCL050001	Revision: 2019-30	Version: 33	Status: ACTIVE	CTIPS ID: 20600002923
Sponsoring Agency: VTA		Implementing Agency: VTA		
Trans. System: TRANSIT	Mode: BUS:100%	Project Type: ROLLING STOCK		Purpose: MAINT/REHAB
Project Name: VTA: Standard & Small Bus Replacement				Hwy Rte:
Proj Description: VTA: Fleetwide: Standard and Small Bus Replacement				
Revision Reason: Update the funding plan to remove \$13.4M in FY20 5307 and \$3.2M in FY20 Local funds and add \$619K in FY20 5339 funds				
Primary RTP ID: 17-10-0026	Sec. RTP ID:	RTP Cycle: PLANBAYAREA2040	RTP Cost: \$30,564,000,000	Review: AA
RTP Description: Regional Transit Capital - Existing Conditions				
AQCTF Review: Reviewed				
AQ Description: EXEMPT (40 CFR 93.126) - Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet				

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	5307-T4	30,683,245	30,683,245	-	-	-	-	-	-
CON	5307-T5	79,857,507	62,670,943	13,665,061	3,521,503	-	-	-	-
CON	5309-T4-BUS	7,390,000	7,390,000	-	-	-	-	-	-
CON	5337-T5	4,335,965	4,335,965	-	-	-	-	-	-
CON	5339	9,115,692	9,115,692	-	-	-	-	-	-
CON	5339-T5	19,321,369	12,083,231	3,539,063	3,699,075	-	-	-	-
CON	LOCAL GEN FUND	137,571,932	131,474,777	4,301,031	1,796,124	-	-	-	-
CON	PROP-1B	5,847,500	5,847,500	-	-	-	-	-	-
CON	STATE-OTHER	3,348,895	3,348,895	-	-	-	-	-	-
Total Funding		297,472,105	266,950,248	21,505,155	9,016,702	-	-	-	-

End of Project SCL050001

Report of TIP Revision 2019-32 (By Phase & Fund Source)

PROPOSED

TIP ID: SM-070002 Revision: 2019-32 Version: 14 Status: ACCEPTED CTIPS ID: 20600003924

Sponsoring Agency: CCAG Implementing Agency: CCAG
 Trans. System: LOCAL ROAD Mode: AUTO:100% Project Type: OTHER Purpose: SYSTMGMT
 Project Name: San Mateo Countywide ITS Improvements Hwy Rte:

Proj Description: San Mateo County: County-wide; ITS improvements at various locations in San Mateo County.

Revision Reason: Update the funding plan to reprogram \$4M in RIP and \$917K in Local funds from FY20 to FY21

Primary RTP ID: 17-06-0006 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$93,000,000 Review: PR
 040

RTP Description: County-wide Intelligent Transportation System (ITS) and Traffic Operation System Improvements

AQCTF Review: Review Pending

AQ Description: EXEMPT (40 CFR 93.126) - Traffic control devices and operating assistance other than signalization projects

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	VRF	100,000	100,000	-	-	-	-	-	-
PSE	RIP-T4	240,000	-	240,000	-	-	-	-	-
CON	RIP-T4	4,058,000	-	-	-	4,058,000	-	-	-
CON	VRF	917,000	-	-	-	917,000	-	-	-
Total Funding		5,315,000	100,000	240,000	-	4,975,000	-	-	-

CURRENT

TIP ID: SM-070002 Revision: 2019-00 Version: 13 Status: ACTIVE CTIPS ID: 20600003924

Sponsoring Agency: CCAG Implementing Agency: CCAG
 Trans. System: LOCAL ROAD Mode: AUTO:100% Project Type: OTHER Purpose: SYSTMGMT
 Project Name: San Mateo Countywide ITS Improvements Hwy Rte:

Proj Description: San Mateo County: County-wide; ITS improvements at various locations in San Mateo County.

Revision Reason: 2019 TIP Update

Primary RTP ID: 17-06-0006 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$93,000,000 Review: PR

RTP Description: County-wide Intelligent Transportation System (ITS) and Traffic Operation System Improvements

AQCTF Review: Review Pending

AQ Description: EXEMPT (40 CFR 93.126) - Traffic control devices and operating assistance other than signalization projects

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	VRF	100,000	100,000	-	-	-	-	-	-
PSE	RIP-T4	240,000	-	240,000	-	-	-	-	-
CON	RIP-T4	4,058,000	-	-	4,058,000	-	-	-	-
CON	VRF	917,000	-	917,000	-	-	-	-	-
Total Funding		5,315,000	100,000	1,157,000	4,058,000	-	-	-	-

End of Project SM-070002

**Report of TIP Revision 2019-32
(By Phase & Fund Source)**

PROPOSED

TIP ID: VAR170007 Revision: 2019-32 Version: 16 Status: ACCEPTED CTIPS ID: 20600006104

Sponsoring Agency: Caltrans Implementing Agency: Caltrans

Trans. System: STATE HWY Mode: AUTO:100% Project Type: OTHER Purpose: SYSTMGMT

Project Name: GL: Safety Imprv. - SHOPP Collision Reduction Hwy Rte:

Proj Description: Regionwide: Various Locations: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories

Revision Reason: Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$7.5M in SHOPP funds

Primary RTP ID: 17-10-0025 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$13,014,000,000 Review: PR
040

RTP Description: Regional State Highways - Existing Conditions

AQCTF Review: Reviewed

AQ Description: EXEMPT (40 CFR 93.126) - Guardrails, median barriers, crash cushions

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	AC-STATE	829,517,000	274,971,000	110,641,000	199,859,000	41,941,000	202,105,000	-	-
Total Funding		829,517,000	274,971,000	110,641,000	199,859,000	41,941,000	202,105,000	-	-

CURRENT

TIP ID: VAR170007 Revision: 2019-30 Version: 15 Status: ACTIVE CTIPS ID: 20600006104

Sponsoring Agency: Caltrans Implementing Agency: Caltrans

Trans. System: STATE HWY Mode: AUTO:100% Project Type: OTHER Purpose: SYSTMGMT

Project Name: GL: Safety Imprv. - SHOPP Collision Reduction Hwy Rte:

Proj Description: Regionwide: Various Locations: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories

Revision Reason: Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$2.3M in SHOPP funds

Primary RTP ID: 17-10-0025 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$13,014,000,000 Review: PR

RTP Description: Regional State Highways - Existing Conditions

AQCTF Review: Reviewed

AQ Description: EXEMPT (40 CFR 93.126) - Guardrails, median barriers, crash cushions

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	AC-STATE	822,049,000	274,971,000	110,641,000	198,180,000	38,426,000	199,831,000	-	-
Total Funding		822,049,000	274,971,000	110,641,000	198,180,000	38,426,000	199,831,000	-	-

End of Project VAR170007

**Report of TIP Revision 2019-32
(By Phase & Fund Source)**

PROPOSED

TIP ID: VAR170008 **Revision:** 2019-32 **Version:** 15 **Status:** ACCEPTED **CTIPS ID:** 20600006105

Sponsoring Agency: Caltrans **Implementing Agency:** Caltrans

Trans. System: STATE HWY **Mode:**AUTO:100% **Project Type:** OTHER **Purpose:** MAINT/REHAB

Project Name: GL: Emergency Repair - SHOPP Emergency Response **Hwy Rte:**

Proj Description: Regionwide: Various Locations: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 categories

Revision Reason: Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$40M in SHOPP funds

Primary RTP ID: 17-10-0025 **Sec. RTP ID:** **RTP Cycle:** PLANBAYAREA2 **RTP Cost:** \$13,014,000,000 **Review:** PR
040

RTP Description: Regional State Highways - Existing Conditions

AQCTF Review: Reviewed

AQ Description: EXEMPT (40 CFR 93.126) - Repair of damage caused by natural disasters, civil unrest, or terrorist acts, except projects involving substantial functional, locational or capacity changes

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	AC-STATE	761,249,000	412,404,000	100,121,000	119,868,000	92,322,000	36,534,000	-	-
Total Funding		761,249,000	412,404,000	100,121,000	119,868,000	92,322,000	36,534,000	-	-

CURRENT

TIP ID: VAR170008 **Revision:** 2019-30 **Version:** 14 **Status:** ACTIVE **CTIPS ID:** 20600006105

Sponsoring Agency: Caltrans **Implementing Agency:** Caltrans

Trans. System: STATE HWY **Mode:**AUTO:100% **Project Type:** OTHER **Purpose:** MAINT/REHAB

Project Name: GL: Emergency Repair - SHOPP Emergency Response **Hwy Rte:**

Proj Description: Regionwide: Various Locations: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 categories

Revision Reason: Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$39.4M in SHOPP funds

Primary RTP ID: 17-10-0025 **Sec. RTP ID:** **RTP Cycle:** PLANBAYAREA2040 **RTP Cost:** \$13,014,000,000 **Review:** PR

RTP Description: Regional State Highways - Existing Conditions

AQCTF Review: Reviewed

AQ Description: EXEMPT (40 CFR 93.126) - Repair of damage caused by natural disasters, civil unrest, or terrorist acts, except projects involving substantial functional, locational or capacity changes

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	AC-STATE	721,142,000	412,404,000	100,121,000	80,997,000	92,322,000	35,298,000	-	-
Total Funding		721,142,000	412,404,000	100,121,000	80,997,000	92,322,000	35,298,000	-	-

End of Project VAR170008

**Report of TIP Revision 2019-32
(By Phase & Fund Source)**

PROPOSED

TIP ID: VAR170010	Revision: 2019-32	Version: 13	Status: ACCEPTED	CTIPS ID: 20600006107
Sponsoring Agency: Caltrans		Implementing Agency: Caltrans		
Trans. System: STATE HWY	Mode: AUTO:100%	Project Type: OTHER		Purpose: MAINT/REHAB
Project Name: GL: Bridge Rehab and Reconstruction - SHOPP				Hwy Rte:
Proj Description: Regionwide: Various Locations: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 categories - Widening narrow pavements or reconstructing bridges (no additional travel lanes).				
Revision Reason: Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$3.6M in SHOPP funds				
Primary RTP ID: 17-10-0025	Sec. RTP ID:	RTP Cycle: PLANBAYAREA2040	RTP Cost: \$13,014,000,000	Review: PR
RTP Description: Regional State Highways - Existing Conditions				
AQCTF Review: Reviewed				
AQ Description: EXEMPT (40 CFR 93.126) - Widening narrow pavements or reconstructing bridges (no additional travel lanes)				

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	AC-STATE	803,774,000	262,481,000	150,977,000	195,649,000	45,734,000	148,933,000	-	19,151,689
Total Funding		803,774,000	262,481,000	150,977,000	195,649,000	45,734,000	148,933,000	-	19,151,689

CURRENT

TIP ID: VAR170010	Revision: 2019-24	Version: 12	Status: ACTIVE	CTIPS ID: 20600006107
Sponsoring Agency: Caltrans		Implementing Agency: Caltrans		
Trans. System: STATE HWY	Mode: AUTO:100%	Project Type: OTHER		Purpose: MAINT/REHAB
Project Name: GL: Bridge Rehab and Reconstruction - SHOPP				Hwy Rte:
Proj Description: Regionwide: Various Locations: Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 categories - Widening narrow pavements or reconstructing bridges (no additional travel lanes).				
Revision Reason: Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$22.7M in SHOPP funds				
Primary RTP ID: 17-10-0025	Sec. RTP ID:	RTP Cycle: PLANBAYAREA2040	RTP Cost: \$13,014,000,000	Review: PR
RTP Description: Regional State Highways - Existing Conditions				
AQCTF Review: Reviewed				
AQ Description: EXEMPT (40 CFR 93.126) - Widening narrow pavements or reconstructing bridges (no additional travel lanes)				

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	AC-STATE	800,131,000	262,481,000	150,977,000	192,006,000	45,734,000	148,933,000	-	19,151,689
Total Funding		800,131,000	262,481,000	150,977,000	192,006,000	45,734,000	148,933,000	-	19,151,689

End of Project VAR170010

Report of TIP Revision 2019-32
 (By Phase and Fund Source)

TIP Revision Summary

	Federal	State	Regional	Local	Total	2019 TIP Only	Toll Credit
Current:	\$513,008,430	\$2,681,354,222	\$52,556,599	\$2,728,709,901	\$5,975,629,152	\$2,837,050,875	\$20,398,019
Proposed:	\$515,665,230	\$2,842,539,424	\$52,556,599	\$2,621,640,286	\$6,032,401,539	\$3,000,901,898	\$20,398,019
Delta:	\$2,656,800	\$161,185,202	\$0	-\$107,069,615	\$56,772,387	\$163,851,023	\$0

**DETAILED LISTING OF PROJECTS FOR GROUPED
LISTINGS AMENDED IN THE CURRENT REVISION**

**GL: Safety Improvements – SHOPP Collision Reduction
Program
(TIP ID – VAR170007)**

Last updated with TIP Revision 2019-32

FTIP BACK-UP LIST FOR SHOPP - COLLISION REDUCTION PROJECTS (VAR170007)

FOR 2016/2022 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
SHOPP - Collision Reduction																				
04	SCL	152	0.0/5.2	In Santa Clara, from Hecker Pass to Uvas Creek. Environmental species mitigation.	0483R	2A252	201.010	16-17	\$2,501	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,501
04	ALA	92	R4.0/R5.5	In Hayward, from west of Clawiter Road to west of Hesperian Boulevard. Install safety lighting and upgrade lighting.	1482K	2J440	201.010	17-18	\$5,515	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,515
04	ALA	123	2.8	In Berkeley, at Bancroft Way. Install traffic signal.	0481X	1J700	201.010	17-18	\$2,198	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,198
04	ALA	238	R14.5/16.7	In and near San Lorenzo, from east of Mission Boulevard to 0.4 mile west of Hesperian Boulevard. Install and upgrade safety lighting.	1482N	2J670	201.010	17-18	\$8,070	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,070
04	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.	0488J	1J010	201.010	17-18	\$1,743	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,743
04	ALA	VAR		In Alameda and Contra Costa Counties on various routes at various locations. Apply high friction surface treatment.	0488M	1J370	201.010	17-18	\$10,234	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,234
4	CC	4	12.9/14.4	In and near Concord, from Route 680 to Route 242. Install safety lighting, high reflective striping and markings.	1480Z	2J001	201.010	17-18	\$1,096	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,096
04	CC	4	R16.4/R20.7	In and near Concord and Pittsburg, from west of Willow Pass Road to east of Bailey Road at two locations. Install safety lighting, high reflective striping and markings.	1480F	2J000	201.010	17-18	\$5,586	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,586
04	CC	680	13.9/22.7	In and near Walnut Creek, Pleasant Hill, and Concord, from Olympic Boulevard to Arthur Road. Install safety lighting.	1496B	0K840	201.010	17-18	\$23,968	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,968
04	MRN	101	4.7/5.6	Near Mill Valley, from Redwood Highway Frontage Road to Route 131 (Tiburon Boulevard). Install concrete barrier.	0820K	4H980	201.010	17-18	\$9,579	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,579
04	SCL	152	0.0/6.2	Near Gilroy, at various locations from Pole Line Road to Burchell Road. Planting and environmental mitigation.	0483Q	2A251	201.010	17-18	\$3,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,800
04	SCL	152	16.2/19.5	Near Gilroy, from Old Lake Road to San Felipe Road. Environmental species mitigation.	0485Q	2A442	201.010	17-18	\$1,514	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,514
04	SM	VAR		On Routes 92, 101 and 280 in Daly City, San Bruno and San Mateo at four locations. Wet pavement conditions safety improvements.	1489C	3J900	201.010	17-18	\$5,681	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,681
04	SOL	12	19.2	Near Rio Vista, at the intersection of Route 12 and Route 113. Install roundabout.	8060A	4G560	201.010	17-18	\$7,122	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,122
04	SON	116	31.0/31.3	Near Sebastopol, at the intersection of Route 116 and Llano Road. Construct left-turn and merge lanes.	0817Q	4G380	201.010	17-18	\$10,668	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,668
04	ALA	84	10.8/18.0	In Fremont, from Route 238 (Mission Boulevard) to Route 680. Widen shoulders, install traffic signals and upgrade barriers.	0076B	2A332	201.010	18/19	\$14,300	\$25,500	\$0	\$0	\$0	\$11,000	\$2,800	\$500	\$4,000	\$2,000	\$19,500	\$39,800
04	ALA	84		In Oakland, San Leandro, Hayward and Fremont, on Routes 84, 112 and 185 at various locations. Crosswalk safety enhancements.	0448R	1J600	201.015	18/19	\$1,133	\$3,680	\$0	\$0	\$0	\$453	\$657	\$23	\$755	\$150	\$2,775	\$4,813
04	ALA	13		In various cities, on various routes, at various locations. Crosswalk safety enhancements.	1487Q	3J110	201.015	18/19	\$786	\$5,876	\$0	\$0	\$0	\$786	\$1,000	\$214	\$572	\$50	\$4,040	\$6,662
04	ALA	185		In Oakland, San Leandro, Hayward, Union City and Fremont on Routes 185, 238, and 262 at various locations. Crosswalk safety enhancements.	1487P	3J190	201.015	18/19	\$550	\$5,167	\$0	\$0	\$0	\$550	\$740	\$66	\$830	\$10	\$3,521	\$5,717
04	ALA	880	4.8/11.3	In Fremont, from north of Auto Mall Parkway to south of Fremont Boulevard at various locations. Highway worker safety improvements.	1483N	2J810	201.235	18/19	\$660	\$6,732	\$0	\$0	\$0	\$660	\$880	\$44	\$880	\$10	\$4,918	\$7,392
04	CC	24	1.0/2.5	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 and upgrade median barrier.	1418C	1J990	201.010	18/19	\$736	\$6,912	\$0	\$0	\$0	\$736	\$725	\$64	\$760	\$313	\$5,050	\$7,648
04	SCL	101	9.0/16.8	In and near Morgan Hill, from south of Masten Avenue to East Main Avenue. Install edgeline and shoulder rumble strips, concrete barrier, and reconstruct shoulders.	1483F	2J890	201.010	18/19	\$230	\$3,630	\$0	\$0	\$0	\$230	\$450	\$75	\$675	\$10	\$2,420	\$3,860

FTIP BACK-UP LIST FOR SHOPP - COLLISION REDUCTION PROJECTS (VAR170007)

FOR 2016/2022 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
SHOPP - Collision Reduction																				
04	SCL	680	0.0/9.9	In San Jose and Milpitas, from Route 101 to Scott Creek Road at various locations. Construct maintenance worker safety improvements.	0481T	0J660	201.235	18/19	\$1,870	\$10,144	\$0	\$0	\$0	\$440	\$1,320	\$110	\$1,320	\$10	\$8,814	\$12,014
04	SM	280	0.2/3.4	In and near Woodside, at various locations (also Santa Clara County PM 20.4); also in the City and County of San Francisco on Route 101 at San Bruno Avenue off-ramp (PM 1.7). Construct maintenance worker safety improvements.	0481J	0J670	201.235	18/19	\$1,360	\$6,066	\$0	\$0	\$0	\$440	\$880	\$40	\$770	\$10	\$5,286	\$7,426
04	SON	12	9.5/31.3	In various cities on Routes 12, 101, and 116 at various locations; also in Marin County on Route 101 at various locations. Highway worker safety improvements.	0480E	0J680	201.235	18/19	\$902	\$2,750	\$0	\$0	\$0	\$308	\$550	\$44	\$550	\$10	\$2,190	\$3,652
04	ALA	580	1.3/6.0	Near Livermore, from Flynn Road to Grant Line Road. Install safety lighting and establish electrical service connection.	1495F	0K680	201.010	19/20	\$962	\$0	\$6,576	\$0	\$0	\$962	\$806	\$104	\$962	\$493	\$4,211	\$7,538
04	ALA	80	4.5/7.6	In Berkeley and Albany, from Route 13 to east of El Cerrito Separation. Install median safety lighting and replace median concrete barrier.	1488S	3J700	201.010	19/20	\$2,750	\$2,850	\$17,237	\$0	\$0	\$2,750	\$2,750	\$100	\$2,625	\$25	\$14,587	\$22,837
04	ALA	84	0.7/3.1	In Fremont, from north end of Dumbarton Bridge to south of the Toll Plaza. Install outer separation barrier between route and frontage road.	1493F	4J750	201.010	19/20	\$2,000	\$2,740	\$21,340	\$0	\$0	\$2,000	\$2,500	\$240	\$2,500	\$3,280	\$15,560	\$26,080
04	ALA	880		In San Leandro, at the southbound Route 880/238 Connector offramp to Washington Avenue. Reconstruct and signalize offramp.	1491G	4J730	201.010	19/20	\$1,200	\$1,375	\$4,845	\$0	\$0	\$1,200	\$1,250	\$125	\$1,250	\$150	\$3,445	\$7,420
04	ALA	13		In various cities, on Routes 13, 61, and 123 at various locations; also in Contra Costa County, on Route 123, at Eureka Avenue. Crosswalk safety enhancements.	0488Q	0J470	201.015	19/20	\$2,381	\$0	\$5,930	\$0	\$0	\$788	\$1,393	\$200	\$800	\$840	\$4,290	\$8,311
04	CC	80	0.0/14.1	In various cities from the Alameda County line to the Solano County line; also on Route 242, 580, and 680 at various locations. Construct maintenance worker safety improvements	1483P	2J820	201.235	19/20	\$1,097	\$0	\$3,327	\$0	\$0	\$455	\$637	\$5	\$692	\$5	\$2,630	\$4,424
04	NAP	121	0.5/1.0	Near Napa, at Huichica Creek (PM 0.75). Roadway widening.	0775G	4G210	201.010	19/20	\$3,370	\$0	\$17,099	\$0	\$0	\$1,750	\$1,530	\$90	\$3,000	\$1,852	\$12,247	\$20,469
04	SCL	152	21.8/35.2	Near Gilroy, from east of Dunne Street/San Felipe Road to the Merced County line. Place median barrier.	0480K	0J800	201.010	19/20	\$1,800	\$1,292	\$12,810	\$0	\$0	\$1,800	\$1,227	\$65	\$1,766	\$60	\$10,984	\$15,902
04	SCL	17	0.0/3.4	Near Los Gatos, from south of Summit Road to north of Alma College Road. Install lighting, warning signs, flashing beacons, guardrail, rumble strips, wet-night visibility striping, and channelizers, and apply High Friction Surface Treatment (HFST).	1453A	2K140	201.010	19/20	\$1,000	\$1,000	\$10,491	\$0	\$0	\$1,000	\$1,000	\$50	\$1,550	\$70	\$8,821	\$12,491
04	SCL	280		In Cupertino, at northbound offramp to Foothill Expressway. Upgrade traffic signal system for right-turn movement.	1488N	3J710	201.010	19/20	\$432	\$330	\$1,447	\$0	\$0	\$432	\$285	\$45	\$285	\$180	\$982	\$2,209
04	SF	101	0.0/4.2	In the City and County of San Francisco, from San Mateo County line to Route 101/80 Junction. Overlay existing pavement with open graded asphalt, groove concrete pavement and upgrade drainage system.	1490F	4J390	201.010	19/20	\$1,500	\$1,730	\$24,990	\$0	\$0	\$1,500	\$1,700	\$30	\$3,000	\$20	\$21,970	\$28,220
04	SF	1		In the City and County of San Francisco, on Routes 1, 35, 80, 101 and 280 at various locations. Crosswalk safety enhancements.	1489B	3J890	201.015	19/20	\$440	\$1,005	\$6,719	\$0	\$0	\$440	\$914	\$91	\$914	\$5	\$5,800	\$8,164
04	SM	82		Near Burlingame and Hillsborough city limits, at the intersection of Route 82 and Floribunda Avenue. Install left turn signal.	0686	1G020	201.010	19/20	\$2,900	\$0	\$6,825	\$0	\$0	\$2,900	\$1,300	\$450	\$700	\$1,765	\$2,610	\$9,725
04	SOL	12	19.2/19.4	Near Rio Vista, at the intersection of Route 12 and Route 113; also on Route 113 from PM 0.0/0.2. Environmental mitigation for safety project EA 4G560.	8060B	4G561	201.010	19/20	\$0	\$0	\$260	\$0	\$0	\$0	\$0	\$30	\$60	\$170	\$0	\$260
04	SON	116	31.0/31.3	Near Sebastopol, at the intersection of Route 116 and Llano Road. Environmental mitigation for safety project EA 4G380.	0817R	4G381	201.010	19/20	\$0	\$0	\$200	\$0	\$0	\$0	\$0	\$0	\$200	\$0	\$0	\$200
04	SON	121	3.4/6.5	Near Schellville, from north of Tolay Creek Bridge to south of Yellow Creek Bridge. Widen for standard shoulders, upgrade curves to standard, and install rumble strips.	0738	0G680	201.010	19/20	\$4,300	\$3,750	\$35,464	\$0	\$0	\$2,500	\$3,750	\$1,800	\$4,200	\$6,264	\$25,000	\$43,514

FTIP BACK-UP LIST FOR SHOPP - COLLISION REDUCTION PROJECTS (VAR170007)

FOR 2016/2022 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
SHOPP - Collision Reduction																				
04	ALA	580		In Alameda County, on Routes 580 and 680 at various locations; also in Contra Costa County, on Routes 160 and 680 at various locations. Install concrete barrier to shield structure column from errant vehicles and upgrade existing guardrails to current standards.	1495E	0K650	201.015	20/21	\$0	\$500	\$966	\$4,026	\$0	\$500	\$800	\$166	\$800	\$70	\$3,156	\$5,492
04	ALA	Var		In Alameda County, on Routes 80, 84, and 880 at various locations; also in Contra Costa County on Routes 24 and 680 at various locations. Install High Friction Surface Treatment (HFST) at spot locations to enhance wet pavement conditions.	1481B	1J780	201.015	20/21	\$0	\$1,118	\$1,378	\$7,855	\$0	\$1,118	\$1,274	\$104	\$1,534	\$10	\$6,311	\$10,351
04	ALA	880	30.2/33.6	In Oakland, from south of 5th Avenue to north of 7th Street. Pave narrow strips and miscellaneous areas, construct Maintenance Vehicle Pullouts (MVPs) and upgrade crash cushions to reduce maintenance work and enhance highway worker safety.	1452N	2K820	201.235	20/21	\$0	\$500	\$450	\$2,625	\$0	\$500	\$350	\$100	\$450	\$5	\$2,170	\$3,575
04	ALA	580	1.3/6.0	Near Livermore, from Flynn Road to Grant Line Road. Environmental mitigation work for EA 0K680 for lighting impacts on species habitat.	2495P	0K681	201.010	20/21	\$0	\$0	\$0	\$3,203	\$0	\$0	\$0	\$0	\$0	\$3,203	\$0	\$3,203
04	SF	101	0.5/5.2	In the City and County of San Francisco, from Bayshore Boulevard Overcrossing (OC) to South Van Ness Avenue; also on Route 280, from Monterey Boulevard onramp OC to King Street onramp (PM R2.8 to T7.2). Install vandalism-resistant security fence and gates to reduce maintenance repairs and enhance highway worker safety.	1493G	4J970	201.235	20/21	\$0	\$950	\$1,095	\$7,719	\$0	\$950	\$1,000	\$95	\$1,520	\$3	\$6,196	\$9,764
04	ALA	61	19.0/21.0	In and near the cities of Alameda, Emeryville, Berkeley, Albany, and San Leandro on Routes 61, 123, and 185 at various locations. Install vehicle speed feedback signs and upgrade signal to standard.	1464A	4K400	201.010	21/22	\$0	\$303	\$519	\$83	\$1,872	\$303	\$300	\$219	\$400	\$83	\$1,472	\$2,777
04	ALA	13	6.7/7.2	In Oakland, from 0.2 mile north of Lincoln Avenue to 0.2 mile south of Park Boulevard. Install outer separation barrier and construct rumble strips.	1490P	4J490	201.010	21/22	\$0	\$0	\$824	\$709	\$3,657	\$824	\$667	\$42	\$565	\$107	\$2,985	\$5,190
04	ALA	Var		In Alameda County, on Routes 80, 580, and 680 at various locations. Place High Friction Surface Treatment (HFST).	2025R	2Q250	201.010	21/22	\$0	\$0	\$640	\$684	\$4,208	\$640	\$674	\$10	\$694	\$12	\$3,502	\$5,532
04	ALA	580		In Alameda and Contra Costa Counties, on various routes, at various locations. Upgrade advance warning signs to make standard.	1496A	0K770	201.015	21/22	\$0	\$700	\$710	\$0	\$3,446	\$700	\$700	\$10	\$700	\$108	\$2,638	\$4,856
04	ALA	13		In Alameda County, on Routes 13, 24, 580, 680, and 880 at various locations; also in Contra Costa County, on Routes 4, 24, 80, 160, and 680 at various locations. Install Rectangular Rapid Flashing Beacons (RRFBs) to enhance pedestrian safety at ramp termini and uncontrolled pedestrian crossings.	1492F	0K120	201.015	21/22	\$0	\$1,261	\$1,145	\$229	\$9,872	\$1,261	\$1,145	\$229	\$1,345	\$290	\$8,237	\$12,507
04	ALA	580		In various cities, on Routes 580, 680, 880, and 980 at various locations. Enhance pedestrian safety by installing Accessible Pedestrian Signals (APS) systems and countdown timers and upgrading crosswalk markings.	1487M	3J130	201.015	21/22	\$0	\$940	\$1,070	\$0	\$7,118	\$940	\$940	\$130	\$1,030	\$20	\$6,068	\$9,128
04	ALA	580	0.1/9.0	In and near Livermore, from San Joaquin County line to 0.7 mile west of Greenville Road. Highway worker safety improvements.	1494D	4J940	201.235	21/22	\$0	\$625	\$475	\$0	\$2,705	\$625	\$400	\$75	\$525	\$183	\$1,997	\$3,805
04	ALA	61	16.4/18.1	In the cities of Oakland and Alameda, from Swan Road to Harbor Bay Parkway. Install new and upgrade existing guardrail in the northbound direction.	2025F	2Q140	201.010	21/22	\$0	\$0	\$991	\$0	\$3,189	\$991	\$904	\$127	\$751	\$126	\$1,281	\$4,180
04	ALA	880	27.1/27.3	In Oakland, from 0.1 mile south to 0.1 mile north of East Creek Slough Bridge No. 33-0143. Construct outer separation concrete barrier in southbound direction, replace bridge rail, and install a drainage system.	1491C	4J540	201.010	21/22	\$0	\$0	\$956	\$0	\$1,368	\$956	\$1,266	\$102	\$0	\$0	\$0	\$2,324

FTIP BACK-UP LIST FOR SHOPP - COLLISION REDUCTION PROJECTS (VAR170007)

FOR 2016/2022 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
SHOPP - Collision Reduction																				
04	CC	80	0.0/13.5	In various cities, from Alameda County line to 0.6 mile west of Solano County line; also in Alameda County in Albany, from 0.4 mile west to the Contra Costa County line (PM R7.6/8.0). Install lighting and upgrade concrete barrier.	1497F	0K160	201.010	21/22	\$6,869	\$0	\$0	\$8,243	\$60,202	\$6,869	\$6,869	\$1,374	\$7,327	\$254	\$52,621	\$75,314
04	CC	4	1.0/9.0	In and near Martinez, from East Hercules Underpass to west of Pine Street/Center Avenue. Install safety lighting and apply High Friction Surface Treatment (HFST).	1454F	3K440	201.010	21/22	\$0	\$920	\$0	\$1,341	\$9,454	\$920	\$1,300	\$41	\$1,579	\$5	\$7,870	\$11,715
04	CC	4	0.0/20.4	In and near Hercules, Martinez, and Concord, at various locations from Route 80 to 0.3 mile east of Bailey Road. Upgrade guardrail to make standard.	0481U	0J480	201.015	21/22	\$0	\$0	\$2,400	\$52	\$13,910	\$1,000	\$1,400	\$52	\$1,500	\$10	\$12,400	\$16,362
04	CC	4		In Contra Costa County, on Routes 4, 24, 80, 123, 242, 580, and 680 at various locations. Install Accessible Pedestrian Signals (APS) systems and pedestrian countdown timers, and refresh crosswalk markings with high-visibility striping to enhance pedestrian safety.	1487N	3J140	201.015	21/22	\$0	\$1,108	\$1,188	\$0	\$8,907	\$1,108	\$1,108	\$80	\$1,400	\$20	\$7,487	\$11,203
04	CC	4	31.0/48.2	In and near Antioch and Brentwood, from 0.6 mile east of Route 160 to Old River Bridge. Construct and modify Maintenance Vehicle Pullouts (MVPs) to improve highway worker safety.	1492H	4J950	201.235	21/22	\$0	\$928	\$0	\$663	\$1,876	\$928	\$663	\$40	\$530	\$72	\$1,234	\$3,467
04	MRN	101	9.4/10.4	In San Rafael, at Route 580; and in Sonoma County in Santa Rosa from PM 19.7 to PM 20.7; in Solano County on Route 37 in Vallejo from PM R9.4 to PM R10.4 and on Route 80 in and near Vallejo and Fairfield from PM 6.5 to 17.5; also in Napa County, on Route 29 in and near the cities of Napa and Yountville from PM 11.0 to 21.0. Upgrade fencing to reduce maintenance worker exposure.	1452K	2K810	201.235	21/22	\$0	\$550	\$650	\$0	\$3,792	\$550	\$550	\$100	\$550	\$100	\$3,142	\$4,992
04	NAP	121	0.5/1.0	Near Napa, at Huichica Creek (PM 0.75). Mitigation planting, monitoring and reporting for EA 04-4G210.	0775H	4G21A	201.010	21/22	\$0	\$0	\$0	\$0	\$1,900	\$0	\$0	\$0	\$900	\$0	\$1,000	\$1,900
04	SCL	35	14.1/17.1	Near Saratoga, from Route 9 Junction to San Mateo County line; also in San Mateo County near Woodside from the Santa Clara County line to Route 84 (PM 2.121/10.518). Install centerline rumble strips, curve signs, pavement markings with audible traffic stripe systems, optical speed bars, and high visibility striping.	1462H	0P48U	201.010	21/22	\$0	\$290	\$825	\$41	\$5,227	\$290	\$825	\$41	\$851	\$20	\$4,356	\$6,383
04	SCL	9		In Santa Clara County, on Routes 9, 17, 85, 87, 101, 152, 237, 280, 680, and 880 at various locations. Relocate or shield existing electrical controller cabinets and install twenty-eight new Maintenance Vehicle Pullouts (MVPs).	1486A	2J950	201.015	21/22	\$0	\$1,300	\$0	\$1,445	\$8,574	\$1,300	\$1,400	\$45	\$1,600	\$50	\$6,924	\$11,319
04	SCL	Var		On various routes, in various cities, at various locations. Replace pedestrian push-buttons and signal heads with Accessible Pedestrian Signals (APS) and countdown timers and refresh crosswalk markings to enhance pedestrian safety.	1492E	0K080	201.015	21/22	\$0	\$939	\$0	\$1,241	\$12,187	\$939	\$1,241	\$36	\$1,417	\$23	\$10,711	\$14,367
04	SCL	152	11.2/35.2	Near Gilroy, from Llagas Creek Bridge to the Merced County line. Construct Maintenance Vehicle Pullouts (MVPs) and vegetation control under existing guardrail to improve highway worker safety.	1452E	2K800	201.235	21/22	\$0	\$800	\$1,045	\$0	\$7,300	\$800	\$1,000	\$45	\$700	\$10	\$6,590	\$9,145
04	SCL	280	0.0/5.4	In and near San Jose, from Route 101 to Route 17/880 Separation. Pave extended gore areas and narrow strips to improve highway worker safety.	1492D	4J960	201.235	21/22	\$0	\$780	\$770	\$0	\$4,570	\$780	\$770	\$62	\$503	\$170	\$3,835	\$6,120
04	SF	35		In the City and County of San Francisco, at Great Highway intersection. Install new signal.	1459E	3K420	201.010	21/22	\$0	\$1,550	\$0	\$1,470	\$2,950	\$1,550	\$1,291	\$179	\$1,341	\$62	\$1,547	\$5,970

FTIP BACK-UP LIST FOR SHOPP - COLLISION REDUCTION PROJECTS (VAR170007)

FOR 2016/2022 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
SHOPP - Collision Reduction																				
04	SM	Var		In and near various cities, on Routes 1, 35, 82, 84, 92, 101, 109, 114, 280, and 380 at various locations. Enhance pedestrian safety by upgrading signals with Accessible Pedestrian Signals (APS) audible indicators, pushbuttons, and countdown timers, and upgrading crosswalk markings.	1491J	0K070	201.015	21/22	\$0	\$1,250	\$1,425	\$0	\$7,139	\$1,250	\$1,250	\$175	\$1,250	\$57	\$5,832	\$9,814
04	SM	1	36.5/38.3	Near Montara, from 0.1 mile south of 2nd Street to 0.3 mile south of Tom Lantos Tunnel. Install new standard safety barrier.	2021A	0Q610	201.010	21/22	\$0	\$0	\$2,148	\$0	\$11,475	\$2,148	\$2,672	\$59	\$1,637	\$158	\$6,949	\$13,623
04	SM	35	26.2/27.9	In Pacifica and South San Francisco, at the intersections of Route 35 and Sharp Park Road, and Route 35 and Hickey Road. Upgrade and reposition traffic signals, and upgrade facilities to Americans with Disabilities Act (ADA) standards.	2031E	0Q040	201.010	21/22	\$0	\$0	\$582	\$312	\$780	\$582	\$780	\$312	\$0	\$0	\$0	\$1,674
04	SON	12		In Sonoma County, on Routes 12 and 116 at various locations; also in Marin County, on Routes 1 and 131 at various locations; and in Napa County on Routes 29 and 121 at various locations. Install hybrid beacons, stop and yield lines, crosswalks and bulbouts, and upgrade curb ramps to enhance pedestrian safety.	1492G	0K130	201.015	21/22	\$0	\$800	\$950	\$0	\$2,933	\$800	\$880	\$70	\$740	\$36	\$2,157	\$4,683
04	SON	12	19.8	In Santa Rosa, at intersection with Boas Drive. Install traffic signal.	2026M	2Q780	201.010	21/22	\$0	\$0	\$1,097	\$0	\$1,494	\$1,097	\$1,303	\$191	\$0	\$0	\$0	\$2,591
SHOPP - Collision Reduction NEW REQUESTED TOTAL									\$ 154,803	\$ 110,641	\$ 199,859	\$ 41,941	\$ 202,105	\$ 69,299	\$ 66,766	\$ 8,916	\$ 69,755	\$ 23,019	\$ 372,319	\$ 709,349
SHOPP - Collision Reduction PROGRAMMED TOTAL									\$154,803	\$110,641	\$198,180	\$38,426	\$199,831	\$67,620	\$64,683	\$8,413	\$69,755	\$19,816	\$372,319	\$701,881
SHOPP - Collision Reduction DIFFERENCE TOTAL									\$ -	\$ -	\$ 1,679	\$ 3,515	\$ 2,274	\$ 1,679	\$ 2,083	\$ 503	\$ -	\$ 3,203	\$ -	\$ 7,468

**GL: Emergency Relief –
SHOPP Emergency Response Program
(TIP ID – VAR170008)**

Last updated with TIP Revision 2019-32

FTIP BACK-UP LIST FOR SHOPP - EMERGENCY RESPONSE PROJECTS (VAR170008)

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	
SHOPP - Emergency Response																					
04	CC	4	48.1/48.3	Near Discovery Bay, at 0.1 mile west of Old River Bridge. Construct retaining walls to repair storm damage slip-outs.	1484C	2J590	201.131	17-18	\$4,420	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,420	
04	CC	680	R11.0/R12.0	Near Alamo, from south of Rudgear Road to 0.2 mile south of Livorna Road. Repair slide.	0482S	0J380	201.131	17-18	\$9,663	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,663
04	MRN	1	0.3	Near Mill Valley, at Tennessee Valley Road. Repair roadway slip-out.	1485J	2J560	201.131	17-18	\$4,833	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,833
04	NAP	121	20.5/20.7	Near the city of Napa, at south of Route 128. Embankment stabilization and culvert repair.	1485Q	2J570	201.131	17-18	\$3,251	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,251
04	SM	1	0.3	Near Pigeon Point, at 0.3 mile north of the Santa Cruz County line. Construct rock slope protection (RSP) and install drainage system.	0482K	0J210	201.131	17-18	\$1,550	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,550
04	SM	92	6.0	Near San Mateo, east of Route 35. Construct rock slope protection (RSP).	0482D	0J140	201.131	17-18	\$1,705	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,705
04	SON	1	24.3/24.4	Near Jenner, at 1.5 miles south of Myers Grade Road. Repair roadway slip-outs.	1485P	2J540	201.131	17-18	\$8,310	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,310
04	SON	37	0.3	Near Novato, at the Petaluma River Bridge No. 27-0013. Restore eastern bridge approach settlement.	1487C	2J500	201.131	17-18	\$3,415	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,415
04	ALA	680		In Fremont, at Scott Creek Road; also at 0.7 mile north of Scott Creek Road (PM M0.9). Repair slipouts.	2030N	2Q400	201.130	18/19	\$0	\$1,700	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$0	\$1,300	\$1,700	
04	ALA	880		In Oakland, at the Fifth Avenue Overhead No. 33-0754. Replace failed expansion joints.	2030B	3Q160	201.130	18/19	\$0	\$2,070	\$0	\$0	\$0	\$0	\$0	\$0	\$540	\$0	\$1,530	\$2,070	
04	ALA	13		In Oakland, at 0.1 mile north of Park Boulevard. Repair slope and drainage system.	2030M	4Q050	201.130	18/19	\$0	\$910	\$0	\$0	\$0	\$0	\$0	\$0	\$210	\$0	\$700	\$910	
04	ALA	84		Near Livermore, at 1.1 miles west of Ruby Hill Drive. Stabilize slope and repair drainage system.	2031F	4Q260	201.130	18/19	\$0	\$23,050	\$0	\$0	\$0	\$0	\$1,500	\$350	\$4,500	\$200	\$16,500	\$23,050	
04	MRN	37	11.3/13.7	Near Novato, from Route 101 to Atherton Avenue. Remove flood debris, repair drainage systems, and restore roadway.	2030A	3Q910	201.130	18/19	\$0	\$3,900	\$0	\$0	\$0	\$0	\$0	\$0	\$900	\$0	\$3,000	\$3,900	
04	NAP	128		Near Rutherford, at 1.7 miles east of Silverado Trail. Repair slipout.	1564R	4Q400	201.130	18/19	\$0	\$800	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$0	\$600	\$800	
04	SCL	101		In San Jose, at Tenth Street and on Route 880 at First Street (PM 3.7). Repair pavement settlement, slope, and install drainage system.	0472F	2Q840	201.130	18/19	\$0	\$1,700	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$0	\$1,300	\$1,700	
04	SCL	35	9.5/10.5	Near Los Gatos, from 1.8 miles to 2.8 miles north of Black Road. Mitigation plant establishment and monitoring for EAs 4K710 and 4K800.	2024N	0Q930	201.131	18/19	\$215	\$532	\$0	\$0	\$0	\$0	\$210	\$5	\$250	\$10	\$272	\$747	
04	SCL	17		Near Los Gatos, at Blossom Hill Road Overcrossing Bridge No. 37-0148. High load bridge hit repair.	2029D	3Q040	201.130	18/19	\$0	\$2,290	\$0	\$0	\$0	\$0	\$0	\$40	\$600	\$150	\$1,500	\$2,290	
04	SM	1	15.5/22.9	Near San Gregorio, from 2.7 miles south of Route 84 to 0.3 mile north of Verde Road. Repair slipouts.	2030K	4Q090	201.130	18/19	\$0	\$2,400	\$0	\$0	\$0	\$0	\$0	\$0	\$600	\$0	\$1,800	\$2,400	
04	SM	1		In Montara, at 2nd Street and 14th Street (PM 36.6). Repair slipout and replace failed culvert.	2030H	3Q790	201.130	18/19	\$0	\$1,140	\$0	\$0	\$0	\$0	\$0	\$0	\$280	\$0	\$860	\$1,140	
04	SM	84		Near La Honda, at 3.4 miles east of Pescadero Creek Road. Repair slipout by constructing soldier pile and lagging wall.	2030Q	4Q110	201.130	18/19	\$0	\$4,300	\$0	\$0	\$0	\$0	\$150	\$50	\$1,000	\$100	\$3,000	\$4,300	
04	SM	35		Near Portola Valley, at 1.2 miles south of Page Mill Road. Construct soldier pile and sheet pile walls.	2029N	3Q810	201.130	18/19	\$0	\$4,500	\$0	\$0	\$0	\$0	\$300	\$150	\$900	\$150	\$3,000	\$4,500	
04	SM	1		Near Montara, at 1.1 miles north of First Street. Repair slipout.	2031A	4Q140	201.130	18/19	\$0	\$5,480	\$0	\$0	\$0	\$0	\$150	\$80	\$1,200	\$50	\$4,000	\$5,480	
04	SOL	84		Near Rio Vista, at the Cache Slough Ferry ramp. Replace damaged timber sheathing and walers of fender system.	2031C	4Q170	201.130	18/19	\$0	\$3,300	\$0	\$0	\$0	\$0	\$0	\$0	\$900	\$0	\$2,400	\$3,300	
04	SON	116		Near Jenner, at 1.1 miles east of Route 1. Construct sheet pile retaining wall and place rock slope protection.	2026A	2Q810	201.130	18/19	\$0	\$860	\$0	\$0	\$0	\$0	\$0	\$0	\$250	\$10	\$600	\$860	
04	SON	1		Near Bodega Bay, at 0.1 mile south of Bay Hill Road. Replace failed culvert.	2030G	4Q030	201.130	18/19	\$0	\$3,340	\$0	\$0	\$0	\$0	\$0	\$0	\$900	\$40	\$2,400	\$3,340	
04	SON	1		Near Jenner, at 0.6 mile north of Muniz Ranch Road. Replace failed culvert, inject grout to fill voids, and place Rock Slope Protection (RSP).	2030F	4Q020	201.130	18/19	\$0	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$1,500	\$2,000	
04	SON	1		Near Carmet, at 0.4 mile north of Calle del Sol. Construct micropile and launched nail wall.	2030C	3Q930	201.130	18/19	\$0	\$3,350	\$0	\$0	\$0	\$0	\$100	\$0	\$800	\$50	\$2,400	\$3,350	

FTIP BACK-UP LIST FOR SHOPP - EMERGENCY RESPONSE PROJECTS (VAR170008)

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
SHOPP - Emergency Response																				
04	SON	1		Near Timber Cove, at 1.9 miles north of Pacific View Drive. Construct soldier pile wall and repair drainage system.	0751E	4Q410	201.130	18/19	\$0	\$3,700	\$0	\$0	\$0	\$0	\$150	\$50	\$1,000	\$100	\$2,400	\$3,700
04	SON	1		Near Jenner, at 1.1 miles north of La Porte Drive. Repair slipout and construct soldier pile wall.	2030P	4Q100	201.130	18/19	\$0	\$3,700	\$0	\$0	\$0	\$0	\$150	\$50	\$1,000	\$100	\$2,400	\$3,700
04	SON	1		Near Jenner, at 0.2 mile north of Muniz Ranch Road. Repair slipout and construct soldier pile wall.	1457L	4Q420	201.130	18/19	\$0	\$3,275	\$0	\$0	\$0	\$0	\$150	\$75	\$850	\$100	\$2,100	\$3,275
04	SON	101		Near Petaluma, north of Pepper Road. Repair slide and drainage system.	0481B	0J100	201.131	18/19	\$573	\$3,874	\$0	\$0	\$0	\$423	\$850	\$150	\$850	\$850	\$1,324	\$4,447
04	ALA	880		In Oakland, at the former Maintenance Station located at 1112 29th Avenue. Remediate soil vapor containing constituents of concern.	2032H	1AA90	201.130	19/20	\$0	\$0	\$3,480	\$0	\$0	\$0	\$0	\$0	\$860	\$0	\$2,620	\$3,480
04	ALA	260	1.1/1.9	In Oakland and Alameda, at the Posey-Webster Tubes (PM R1 .1 L/R to R1 .9L/R). Rent and install temporary backup electrical generators.	2034E	0W020	201.130	19/20	\$0	\$0	\$6,500	\$0	\$0	\$0	\$0	\$0	\$1,500	\$0	\$5,000	\$6,500
04	ALA	Var		In Alameda, Contra Costa, Santa Clara and Solano Counties, on various routes and at various locations. Provide portable generators at signals, traffic control, and detours during high-wind public safety power shutoff outages.	2033D	0AC70	201.130	19/20	\$0	\$0	\$1,850	\$0	\$0	\$0	\$0	\$0	\$350	\$0	\$1,500	\$1,850
04	CC	24		In Orinda, at the Caldecott Tunnel No. 28-0015, 28-0015L, 28-0015R, and 28-0015K. Install backup electrical generator systems.	2033F	0AC90	201.130	19/20	\$0	\$0	\$18,750	\$0	\$0	\$0	\$0	\$0	\$3,750	\$0	\$15,000	\$18,750
04	CC	24		In Orinda, at the Caldecott Tunnel No. 28-0015, 28-0015L, 28-0015R, and 28-0015K. Address Fire-Life-Safety Elements in tunnel and install temporary electrical generators.	2024M	1Q840	201.130	19/20	\$0	\$0	\$18,750	\$0	\$0	\$0	\$0	\$0	\$3,750	\$0	\$15,000	\$18,750
04	MRN	1	8.5/9.5	Near Stinson Beach, from Cold Stream Bridge to 0.2 mile south of Lone Tree Creek Bridge. Repair fire damaged lagging wall, drainage systems, pavement, and install erosion control measures.	2034D	2AC20	201.130	19/20	\$0	\$0	\$7,430	\$0	\$0	\$0	\$0	\$100	\$1,680	\$50	\$5,600	\$7,430
04	MRN	Var		In Marin, Napa, San Francisco, San Mateo, and Sonoma Counties, on various routes and at various locations. Provide portable generators at signals, traffic control, and detours during high-wind public safety power shutoff outages.	2033E	0AC80	201.130	19/20	\$0	\$0	\$3,100	\$0	\$0	\$0	\$0	\$0	\$700	\$0	\$2,400	\$3,100
04	MRN	101		Near Sausalito, at 0.1 mile south of Alexander Avenue. Restore damaged drainage systems.	1492J	4J420	201.131	19/20	\$837	\$950	\$1,772	\$0	\$0	\$837	\$850	\$100	\$850	\$13	\$909	\$3,559
04	SCL	880		In San Jose, at Airport Boulevard onramp Tunnel No. 37-0654K. Inspect and repair existing fire detection and fire protection systems.	3033G	3AA10	201.130	19/20	\$0	\$0	\$650	\$0	\$0	\$0	\$0	\$0	\$200	\$0	\$450	\$650
04	SM	1	38.6/39.4	Near Pacifica, at the Tom Lantos Tunnels No. 35-0330L/R. Construct emergency power generator system.	2033H	1AB50	201.130	19/20	\$0	\$0	\$6,500	\$0	\$0	\$0	\$0	\$0	\$1,500	\$0	\$5,000	\$6,500
04	SM	1		Near Pacifica, at the Thomas Lantos (Devils Slide) Tunnels. Install emergency power system.	2031K	1AA00	201.130	19/20	\$0	\$0	\$12,500	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0	\$10,000	\$12,500
04	SM	84		Near Half Moon Bay, south of Bear Gulch Road. Repair embankment and structural section settlement by using injection grouting methods to restore original grades, densify the soil below, and minimize future settlement.	1464E	2K660	201.131	19/20	\$0	\$590	\$1,283	\$0	\$0	\$160	\$430	\$34	\$424	\$1	\$824	\$1,873
04	SM	280	20.3/20.6	In San Bruno, from Jenevein Avenue to 0.1 mile south of San Bruno Avenue. Reconstruct failed concrete ditch and place Rock Slope Protection (RSP) at slope washouts as storm damage permanent restoration.	1499H	4J080	201.131	19/20	\$0	\$1,118	\$1,651	\$0	\$0	\$390	\$650	\$78	\$390	\$168	\$1,093	\$2,769
04	SOL	680	1.9/2.0	In Benicia, from north of Industrial Way to south of Lake Herman Road. Repair slipouts and stabilize slope.	1498M	4J040	201.131	19/20	\$560	\$536	\$1,599	\$0	\$0	\$560	\$514	\$22	\$521	\$38	\$1,040	\$2,695
04	SON	128	5.0/24.7	Near Healdsburg, from Railroad Avenue to Napa County line (PM 24.761). Repair fire damaged guardrail, signs, fence, drainage systems, pavement, and remove debris.	2033J	2AB00	201.130	19/20	\$0	\$0	\$6,830	\$0	\$0	\$0	\$150	\$0	\$1,650	\$30	\$5,000	\$6,830

FTIP BACK-UP LIST FOR SHOPP - EMERGENCY RESPONSE PROJECTS (VAR170008)

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
SHOPP - Emergency Response																				
04	ALA	Var		In Alameda and Contra Costa Counties, on Routes 4, 13, 24, 80, 84, 92, 160, 238, 242, 580, 680, and 880 at various locations. Remove diseased, dead or dying drought damaged trees.	2025T	0Q870	201.131	20/21	\$0	\$1,450	\$800	\$8,470	\$0	\$1,450	\$800	\$20	\$1,450	\$10	\$6,990	\$10,720
04	MRN	1	10.7/11.0	Near Stinson Beach, from 1.5 miles south to 1.2 miles south of Panoramic Highway North. Four-year mitigation plant establishment and monitoring for emergency projects EA 4K240 and EA 4S220.	2032Q	0AA48	201.131	20/21	\$0	\$0	\$311	\$1,499	\$0	\$0	\$227	\$84	\$336	\$31	\$1,132	\$1,810
04	MRN	1		Near Five Brooks, at Giacomini Creek Bridge No. 27-0122. Four-year mitigation plant establishment for emergency project EA 4K850.	2032E	0AA44	201.131	20/21	\$0	\$0	\$453	\$1,513	\$0	\$0	\$400	\$53	\$650	\$15	\$848	\$1,966
04	NAP	128		Near Saint Helena, at 1.8 miles east of Silverado Trail Road. Install Rock Slope Protection (RSP) over storm damaged embankment.	1464C	2K420	201.131	20/21	\$0	\$310	\$383	\$1,105	\$0	\$310	\$371	\$12	\$310	\$5	\$790	\$1,798
04	SCL	101		Near Gilroy, at Sargent Bridge and Overhead No. 39-0006L. Permanent restoration of roadway settlement and southern abutment wingwall movement.	1453B	4J030	201.131	20/21	\$0	\$650	\$832	\$2,118	\$0	\$650	\$780	\$52	\$650	\$87	\$1,381	\$3,600
04	SCL	Var		In Santa Clara, San Mateo, and San Francisco Counties on Routes 9, 17, 35, 84, 130, 280, and 880 at various locations. Remove dead or dying drought damaged trees.	2025U	0Q890	201.131	20/21	\$0	\$1,300	\$750	\$5,780	\$0	\$1,300	\$700	\$50	\$1,150	\$50	\$4,580	\$7,830
04	SM	82		In South San Francisco, at 0.1 mile north of Francisco Drive. Permanent embankment restoration by installing retaining wall and drainage improvements.	1450J	0K670	201.131	20/21	\$500	\$770	\$0	\$2,400	\$0	\$500	\$710	\$60	\$800	\$10	\$1,590	\$3,670
04	SON	1	26.7/27.0	Near Jenner, from 0.3 to 0.4 mile north of Myers Grade Road. Permanent restoration of roadway slipouts.	0482T	0J300	201.131	20/21	\$0	\$4,810	\$0	\$16,359	\$0	\$2,106	\$2,496	\$208	\$2,288	\$215	\$13,856	\$21,169
04	SON	Var		In Sonoma, Solano, Napa, Marine, and Lake Counties, on Routes 1, 12, 29, 80, 101, 116, 128, 131, 680, and 780 at various locations. Remove dead or dying drought damaged trees.	2022J	0Q850	201.131	20/21	\$0	\$1,380	\$700	\$7,650	\$0	\$1,380	\$680	\$20	\$1,270	\$10	\$6,370	\$9,730
04	SON	101		Near Petaluma, north of Pepper Road. Environmental mitigation for project EA 0J100.	0481G	0J101	201.131	20/21	\$0	\$0	\$0	\$140	\$0	\$0	\$0	\$0	\$140	\$0	\$0	\$140
04	SON	1	15.1/15.7	Near Carmet, from 0.1 mile to 0.7 mile north of Calle Del Sol. Realign roadway near Gleason Beach.	0748E	0A020	201.131	20/21	\$0	\$0	\$17,698	\$40,824	\$0	\$0	\$1,800	\$500	\$5,000	\$15,398	\$35,824	\$58,522
04	ALA	92		In Hayward, at the westbound connector from northbound Route 880. Restore eroded embankment and extend existing concrete barrier.	2028K	0Q450	201.131	21/22	\$0	\$0	\$285	\$373	\$852	\$285	\$347	\$16	\$191	\$10	\$661	\$1,510
04	ALA	580		Near Livermore, at 0.3 mile west of Stonecut Underpass (PM R4.3L). Restore eroded embankment slope in the eastbound direction and install erosion control measures.	1461D	0P120	201.131	21/22	\$0	\$0	\$752	\$0	\$5,400	\$752	\$949	\$60	\$1,201	\$50	\$3,140	\$6,152
04	ALA	680		In Fremont, at the northbound offramp to Mission Boulevard. Stabilize storm damaged embankment.	2028M	0Q680	201.131	21/22	\$0	\$0	\$750	\$945	\$3,946	\$750	\$885	\$60	\$1,033	\$5	\$2,908	\$5,641
04	CC	680	19.2/19.9	In Concord and Pleasant Hill, at Willow Pass Road Undercrossing No. 28-0178 and Concord Avenue Undercrossing No. 28-0190. Stabilize storm-damaged abutment slopes by paving with concrete.	2028N	0Q780	201.131	21/22	\$0	\$0	\$608	\$0	\$818	\$608	\$752	\$66	\$0	\$0	\$0	\$1,426
04	NAP	12	2.1/2.6	Near the city of Napa, from 1.2 miles to 0.7 mile west of the Solano County line. Repair storm damaged slopes at two locations with Rock Slope Protection (RSP) and restore ditches.	2021F	0Q690	201.131	21/22	\$0	\$0	\$308	\$470	\$1,779	\$308	\$320	\$150	\$400	\$134	\$1,245	\$2,557
04	SCL	9		In Saratoga, north of Pierce Road (PM 5.97). Install Rock Slope Protection (RSP) and replace culvert.	1464D	2K280	201.131	21/22	\$0	\$130	\$354	\$0	\$1,589	\$130	\$318	\$36	\$315	\$10	\$1,264	\$2,073
04	SM	84		Near La Honda, at 0.5 mile west of Pescadero Creek Road. Repair slope washout by constructing a retaining wall.	2032A	0Q480	201.131	21/22	\$0	\$0	\$924	\$0	\$809	\$924	\$809	\$0	\$0	\$0	\$0	\$1,733
04	SM	1		Near Half Moon Bay, at 1.1 miles north of Santa Cruz County line. Repair slope washout by constructing a soldier pile wall and upgrading the drainage system.	1450H	0K570	201.131	21/22	\$0	\$300	\$470	\$0	\$1,492	\$300	\$400	\$70	\$500	\$2	\$990	\$2,262

FTIP BACK-UP LIST FOR SHOPP - EMERGENCY RESPONSE PROJECTS (VAR170008)

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
SHOPP - Emergency Response																				
04	SM	84		Near La Honda, at 1.2 miles north of Madera Lane (North). Repair slope washout and place Rock Slope Protection (RSP) on existing embankment to prevent further erosion.	1455B	2K610	201.131	21/22	\$0	\$936	\$0	\$400	\$1,292	\$936	\$390	\$10	\$250	\$147	\$895	\$2,628
04	SM	1		Near Montara, at south of 9th Street. Repair damaged storm drain and restore eroded embankment.	2028H	0Q670	201.131	21/22	\$0	\$0	\$0	\$0	\$1,808	\$0	\$0	\$0	\$373	\$35	\$1,400	\$1,808
04	SM	84		Near La Honda, west of Peek-A-Boo Lane. Construct soldier pile wall, reconstruct damaged pavement, and upgrade guardrail. □ (Long Lead Project)	1455C	2K640	201.131	21/22	\$0	\$1,056	\$0	\$0	\$0	\$1,056	\$0	\$0	\$0	\$0	\$0	\$1,056
04	SOL	505	R5.7	Near Vacaville, at southbound offramp to Allendale Road. Restore slope washout between offramp and adjacent frontage road by placing rock slope protection.	2021G	0Q710	201.131	21/22	\$0	\$0	\$317	\$0	\$427	\$317	\$402	\$25	\$0	\$0	\$0	\$744
04	SON	101	38.3/41.4	Near Healdsburg, from south of Lytton Springs Road to South Geyserville Avenue. Rehabilitate or replace damaged drainage systems at two locations.	1459C	2K330	201.131	21/22	\$0	\$824	\$0	\$763	\$5,213	\$824	\$645	\$118	\$650	\$240	\$4,323	\$6,800
04	SON	101		Near Cloverdale, at 0.4 mile south of the Mendocino County line. Restore slope, rebuild damaged gutter and install erosion control measures.	1462P	2K350	201.131	21/22	\$0	\$840	\$0	\$541	\$3,304	\$840	\$413	\$128	\$459	\$225	\$2,620	\$4,685
04	SON	116		Near Monte Rio, at 0.2 mile west of Cnopius Road. Repair unstable slope by constructing a retaining wall.	1464F	2K360	201.131	21/22	\$0	\$0	\$0	\$0	\$7,805	\$0	\$0	\$0	\$1,441	\$384	\$5,980	\$7,805
04	SON	121	9.7/10.3	Near Schellville, from 0.2 mile to 0.8 mile north of Ramal Road. Restore structural integrity of the existing roadway by injecting polyurethane to densify the soil below and minimizing future settlement, grind and replace asphalt concrete, and rehabilitate drainage systems.	2021D	4K140	201.131	21/22	\$0	\$0	\$528	\$972	\$0	\$528	\$941	\$31	\$0	\$0	\$0	\$1,500
SHOPP - ER NEW REQUESTED TOTAL									\$ 39,832	\$ 100,121	\$ 119,868	\$ 92,322	\$ 36,534	\$ 18,624	\$ 22,839	\$ 3,163	\$ 60,512	\$ 19,283	\$ 227,109	\$ 388,677
SHOPP - ER PROGRAMMED TOTAL									\$ 39,832	\$ 100,121	\$ 80,997	\$ 92,322	\$ 35,298	\$ 17,383	\$ 21,628	\$ 3,038	\$ 52,532	\$ 19,233	\$ 197,609	\$ 348,570
SHOPP - ER DIFFERENCE TOTAL									\$ -	\$ -	\$ 38,871	\$ -	\$ 1,236	\$ 1,241	\$ 1,211	\$ 125	\$ 7,980	\$ 50	\$ 29,500	\$ 40,107

**GL: Safety Improvements – SHOPP Mandates Program
(TIP ID – VAR170009)**

Last updated with TIP Revision 2019-32

FTIP BACK-UP LIST FOR SHOPP - MANDATES PROJECTS (VAR170009)

FOR 2018/2022 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
SHOPP - Mandates																				
04	ALA	13	9.8/10.8	In Oakland and Berkeley, from Hiller Drive to Claremont Avenue at various locations. Upgrade American with Disabilities Act (ADA) facilities.	0144A	2G660	201.378	18/19	\$1,750	\$3,453	\$0	\$0	\$0	\$870	\$740	\$140	\$580	\$200	\$2,673	\$5,203
04	ALA	13	12.1/13.4	In Berkeley, from Shattuck Avenue to 7th Street. Upgrade curb ramps and sidewalks.	0124L	2G482	201.378	18/19	\$1,655	\$4,418	\$0	\$0	\$0	\$455	\$1,000	\$200	\$793	\$125	\$3,500	\$6,073
04	MRN	1	0.0/0.8	In Almonte, near Route 101 offramp to Route 1; also from Coyote Creek to Flamingo Road. Upgrade pedestrian facilities.	0434H	2G690	201.378	18/19	\$1,810	\$3,668	\$0	\$0	\$0	\$510	\$1,000	\$300	\$850	\$842	\$1,976	\$5,478
04	SCL	85	18.0/24.1	In Cupertino, Sunnyvale and Mountain View, from Stevens Creek Boulevard to Route 101; also in various cities, on Route 80 (PM 2.5/8.0), at various locations. Install and/or upgrade existing curb ramps and pedestrian facilities to Americans with Disabilities Act (ADA) Standards.	0434G	2G730	201.361	18/19	\$1,207	\$3,065	\$0	\$0	\$0	\$442	\$663	\$102	\$730	\$75	\$2,260	\$4,272
04	ALA	13	10.8/12.1	In Berkeley, from Claremont Avenue to west of Shattuck Avenue. Upgrade curb ramps and repair sidewalks to meet American with Disabilities Act (ADA) Standards.	0124M	2G460	201.378	19/20	\$619	\$618	\$5,843	\$0	\$0	\$619	\$543	\$75	\$985	\$580	\$4,278	\$7,080
04	ALA	185	3.2/4.9	In San Leandro, from 0.1 mile south of Plaza Drive to 0.1 mile north of 135th Avenue; also in Pleasant Hill on Route 680 (PM 16.85), at various locations. Reinstall and/or upgrade existing curb ramps and sidewalks to American with Disabilities Act (ADA) Standards.	0091P	1G910	201.378	19/20	\$1,203	\$0	\$2,752	\$0	\$0	\$446	\$655	\$102	\$450	\$50	\$2,252	\$3,955
04	MRN	101	9.4/10.0	In San Rafael, from 0.6 mile north of Sir Francis Drake Boulevard to 0.1 mile north of Route 580 Separation. Stabilized soil and erosion control to mitigate for storm water quality.	1487F	2J840	201.335	19/20	\$765	\$670	\$3,841	\$0	\$0	\$685	\$670	\$80	\$655	\$370	\$2,816	\$5,276
04	MRN	131		In and near Tiburon, at Blackfield Drive/Greenwood Cove Drive. Intersection improvements to make compliant with the Americans with Disabilities Act (ADA) including removal of traffic islands, upgrading curb ramps and sidewalk, installing new traffic signals, and installing Accessible Pedestrian Signals (APS) pushbuttons and countdown timers.	1491A	4J450	201.361	19/20	\$0	\$1,029	\$3,044	\$0	\$0	\$400	\$409	\$220	\$700	\$200	\$2,144	\$4,073
04	NAP	29		Near Calistoga, at 0.3 mile south of Bothe-Napa Valley State Park entrance at Ritchie Creek Bridge No. 21-0057. Financial Contribution Only (FCO) to California State Parks to improve fish passage barriers upstream of Ritchie Creeek Bridge within the adjacent Bothe-Napa State Park for compliance unit credits towards Statewide National Pollutant Discharge Eliminating System (NPDES) permit mandate goals.	1464R	4J99A	201.335	19/20	\$0	\$0	\$2,467	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,467	\$2,467
04	SF	1		In the city of San Francisco, at Presidio National Park. Water quality improvements.	1067C	1A905	201.335	19/20	\$1,020	\$365	\$2,950	\$0	\$0	\$1,020	\$315	\$50	\$900	\$1,050	\$1,000	\$4,335
04	SM	280	7.0/7.7	Near Redwood City, north of Edgewood Road; also on Route 84, from Hildebrand Road to north of La Honda Creek Bridge (PM 9.4/10.0). Stabilize soil and erosion control to mitigate for storm water quality.	1487G	0J720	201.335	19/20	\$874	\$840	\$2,776	\$0	\$0	\$874	\$763	\$77	\$564	\$204	\$2,008	\$4,490
04	ALA	880	0.9/24.8	In Oakland, Union City, and Fremont, and on Route 80 in Berkeley (PM 4.7) at various locations; also in Santa Clara County, in Milpitas at PM 8.9. Construct permanent Best Management Practices (BMPs) to achieve Statewide National Pollutant Discharge Eliminating System (NPDES) permit compliance units (CUs) for trash capture.	1453D	4J980	201.335	20/21	\$0	\$1,060	\$800	\$6,852	\$0	\$1,060	\$800	\$26	\$1,000	\$25	\$5,801	\$8,712
04	ALA	185	0.4/10.1	In Hayward, from A Street to Rose Street (PM 0.39 to 0.90); also in Oakland, from 55th Avenue to 50th Avenue (PM 9.75 to 10.09). Upgrade curb ramps, driveways, and sidewalks to make compliant with American with Disabilities Act (ADA) Standards.	0434J	2G740	201.361	21/22	\$0	\$700	\$1,045	\$0	\$6,162	\$700	\$950	\$95	\$950	\$195	\$5,017	\$7,907

FTIP BACK-UP LIST FOR SHOPP - MANDATES PROJECTS (VAR170009)

FOR 2018/2022 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
04	ALA	13	10.7/13.0	In Berkeley, from Domingo Avenue to Mabel Street. Upgrade curb ramps and repair sidewalks to meet American with Disabilities Act (ADA) standards.	0124N	2G461	201.378	21/22	\$0	\$0	\$0	\$0	\$6,095	\$0	\$0	\$0	\$985	\$410	\$4,700	\$6,095
04	MRN	101		In San Rafael, at Manuel T Freitas Parkway. Upgrade curb ramps, sidewalk, and other facilities to make compliant with Americans with Disabilities Act (ADA) Standards.	1495K	0K800	201.361	21/22	\$0	\$300	\$970	\$0	\$3,214	\$300	\$850	\$120	\$850	\$125	\$2,239	\$4,484
04	NAP	29		Near Calistoga, at 0.3 mile south of Bothe-Napa Valley State Park entrance at Ritchie Creek Bridge No. 21-0057. Replace bridge and provide financial contributions to improve fish passage barriers at the site for compliance unit credits towards Statewide National Pollutant Discharge Eliminating System (NPDES) permit mandate goals.	1464K	4J990	201.335	21/22	\$0	\$1,820	\$0	\$1,467	\$6,989	\$1,820	\$1,300	\$167	\$1,300	\$590	\$5,099	\$10,276
04	NAP	29	0.2/14.6	In and near the cities of American Canyon and Napa, from Kimberly Drive to Salvador Avenue. Upgrade curb ramps and pedestrian push buttons, and install new sidewalk to make facilities compliant with Americans with Disabilities Act (ADA) requirements.	1496E	0K000	201.361	21/22	\$0	\$447	\$0	\$276	\$1,192	\$275	\$276	\$92	\$203	\$80	\$989	\$1,915
04	SCL	82	18.2/26.4	In Sunnyvale, Mountain View, Los Altos, and Palo Alto, from Knickerbocker Drive to San Mateo County line. Upgrade pedestrian facilities to make compliant with the Americans with Disabilities Act (ADA) Standards.	1495G	0K010	201.361	21/22	\$0	\$0	\$1,300	\$2,406	\$11,120	\$1,300	\$1,700	\$706	\$1,713	\$1,614	\$7,793	\$14,826
04	SON	116	11.8/12.2	Near Guerneville, from Brookside Lane to River Road. Upgrade curb ramps and sidewalk, and install Accessible Pedestrian Signals (APS) pushbuttons to make facilities compliant with the Americans with Disabilities Act (ADA) Standards.	1491B	4J460	201.361	21/22	\$0	\$300	\$1,155	\$0	\$4,423	\$300	\$930	\$225	\$930	\$68	\$3,425	\$5,878
04	SM	82	12.9/15.9	In Burlingame, Hillsborough, and Millbrae, from Barroilhet Avenue to Millbrae Avenue. Upgrade curb ramps and sidewalks to Americans with Disabilities Act (ADA) Standards. □ (Long Lead Project)	0730D	1G900	201.378	21/22	\$3,320	\$0	\$0	\$0	\$0	\$3,320	\$0	\$0	\$0	\$0	\$0	\$3,320
SHOPP - MANDATES NEW REQUESTED TOTAL									\$ 14,223	\$22,753	\$ 28,943	\$ 11,001	\$39,195	\$15,396	\$13,564	\$ 2,777	\$ 15,138	\$6,803	\$62,437	\$ 116,115
SHOPP - MANDATES PROGRAMMED TOTAL									\$ 14,223	\$22,753	\$ 28,943	\$ 10,901	\$37,482	\$15,396	\$13,464	\$ 2,777	\$ 15,025	\$6,803	\$60,837	\$ 114,302
SHOPP - MANDATES DIFFERENCE TOTAL									\$ -	\$ -	\$ -	\$ 100	\$ 1,713	\$ -	\$ 100	\$ -	\$ 113	\$ -	\$ 1,600	\$ 1,813

**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
SHOPP - Bridge Preservation																				
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

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
SHOPP - Bridge Preservation																				
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

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	
SHOPP - Bridge Preservation																					
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
SHOPP - Bridge NEW REQUESTED TOTAL									\$ 172,446	\$ 150,977	\$ 195,649	\$ 45,734	\$ 148,933	\$ 77,214	\$ 80,569	\$ 11,311	\$ 75,531	\$ 42,588	\$ 368,527	\$ 713,739	
SHOPP - Bridge PROGRAMMED TOTAL									\$ 172,446	\$ 150,977	\$ 192,006	\$ 45,734	\$ 148,933	\$ 77,214	\$ 80,569	\$ 11,311	\$ 75,341	\$ 42,548	\$ 365,114	\$ 710,096	
SHOPP - Bridge DIFFERENCE TOTAL									\$ -	\$ -	\$ 3,643	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190	\$ 40	\$ 3,413	\$ 3,643	