



January 17, 2020

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Deputy Executive Director, Policy

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Deputy Executive Director,
Local Government Services

Mr. Muhaned Aljabiry
Division of Transportation Programming
Caltrans
P.O. Box 924873 MS-82
Sacramento, CA 94274-0001

Attention: Abhijit Bagde

RE: MTC TIP Revision No. 2019-24 – Administrative Modification

Dear Mr. Aljabiry:

Please be advised that MTC recently made several changes to the 2019 Federal Transportation Improvement Program (TIP). TIP Revision No. 2019-24 revises nine projects with a net increase in funding of \$43.7 million. Among other changes, this revision:

- Updates the funding plans of three Regional Surface Transportation Block Grant Program/Congestion Mitigation and Air Quality Improvement Program (STP/CMAQ) funded projects to reflect the latest programming decisions including splitting out Alameda County's Complete Streets Improvements project from the Cherryland/Ashland/Castro Valley and Fairview Bicycle and Pedestrian Improvements project; and
- Updates the funding plans and back-up listings for four Caltrans-managed grouped listings to reflect changes in the Highway Safety Improvement Program, Highway Maintenance (HM) Program, and State Highway Operation and Protection Program (SHOPP), including splitting out the I-280 Roadway Preservation project from the SHOPP Roadway Preservation grouped listing.

The administrative modification is financially constrained by year and MTC relies on the State's programming capacity in the amount of \$22.7 million in SHOPP funds, \$13.6 million in HM funds to reflect the net change in funding over the four years of the TIP.

The TIP revision entries have been emailed to your staff. MTC's 2019 TIP, as revised with Revision No. 2019-24, remains in conformity with the applicable State Implementation Plan (SIP) for air quality and the revision does not interfere with the timely implementation of the Transportation Control Measures contained in the SIP.

The investments described in MTC's 2019 TIP, as revised with TIP Revision No. 2019-24, make progress toward achieving the performance targets set by the region in accordance with the applicable provisions and requirements of 23 CFR Part 450.

The projects that are included in this administrative modification are not included in any other amendment that is open for public review. MTC's 2019 TIP, including the proposed Revision No. 2019-24, is consistent with metropolitan transportation planning regulations per 23 Code of Federal Regulations Part 450 and conforms to MTC's Regional Transportation Plan.

Under the delegated authority received from Caltrans, I approve this administrative modification to the Federal Statewide Transportation Program (FSTIP). This revision is consistent with the approved Administrative Modifications/Amendments Guidelines and Procedures.

If you have any questions regarding this revision, please contact Adam Crenshaw of my staff at (415) 778-6794; or Karl Anderson at (415) 778-6645.

Sincerely,



Alix Bockelman
Deputy Executive Director, Policy

Attachment:

1. Revision Packet for TIP Revision 2019-24

cc: Ms. Sylvia Fung, Caltrans District 4
Mr. Jerry Claussenius, Caltrans District 4
Mr. Abhijit J. Bagde, Caltrans Headquarters
Mr. Fardad Falakfarsa, Caltrans Headquarters
Mr. Antonio Johnson, FHWA
Ms. Dominique Kraft, FTA
Mr. Matt Lakin, EPA

**TIP Revision Summary
2019-24**

TIP ID	Sponsor	Project Name	Description of Change	Funding Change (\$)	Funding Change (%)
System: Local Road					
ALA050035	Alameda County	Cherryland/Ashland/CastroValley/Fairview BikePed	Split out a portion of this project to ALA190019 along with \$8.3M in CMAQ, \$1M in STP, and \$4M in Local funds	-\$13,350,000	-41.6%
ALA190006	Alameda County	Alameda County - Vasco Road Safety Improvements	Update the funding plan to remove \$90K in Earmark HPP funds and add \$443K in STP funds reprogrammed from the previously archived ALA030002	\$352,964	37.2%
ALA190019	Alameda County	Alameda County Complete Street Improvements	Split this project out from ALA050035 along with \$8.3M in CMAQ, \$1M in STP, \$2M in Sales Tax, and \$2M in local funds and add \$1.35M in new local funds	\$14,650,000	~0
VAR170024	Metropolitan Transportation Commission (MTC)	Bike Share Capital Program	Update the funding plan to add \$700K in FY20 CON STP funds	\$700,000	27.1%
System: State Highway					
SCL190034	Caltrans	SCL-SM I-280 Roadway Preservation	Split this project out of VAR170006 along with \$59.5M in SHOPP funds	\$59,470,000	~0
VAR170002	Caltrans	GL: Highway Safety Improvement Program	Update the funding plan and back-up listing to reflect the latest information from Caltrans	-\$171,850	-0.2%
VAR170004	Caltrans	GL: Pavement Resurfacing/Rehab SHS - Highway Maint	Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$8.4M in SHA funds and \$5.2M in State Cash	\$13,600,000	34.2%
VAR170006	Caltrans	GL: Pavement Resurf./Rehab - SHOPP Roadway Presv.	Update the funding plan and back-up listing to reflect the latest information from Caltrans including splitting out SCL190034 along with \$59.5M in SHOPP funds	-\$54,209,000	-4.8%
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 \$22.7M in SHOPP funds	\$22,678,000	2.9%
Total Funding Change:				\$43,720,114	

TIP Revision Summary

	Federal	State	Regional	Local	Total	2019 TIP Only
Current:	\$88,654,392	\$1,932,916,135	\$0	\$22,630,366	\$2,044,200,893	\$1,368,727,520
Proposed:	\$89,555,976	\$1,974,455,135	\$0	\$23,909,896	\$2,087,921,007	\$1,408,290,290
Delta:	\$901,584	\$41,539,000	\$0	\$1,279,530	\$43,720,114	\$39,562,764

**Report of TIP Revision 2019-24
(By Phase & Fund Source)**

PROPOSED

TIP ID: ALA050035 Revision: 2019-24 Version: 30 Status: PROPOSED CTIPS ID: 20600003368

Sponsoring Agency: Alameda County Implementing Agency: Alameda County

Trans. System: LOCAL ROAD Mode: BIKE/PED:100% Project Type: SIDEWALK Purpose: SYSTMGMT

Project Name: Cherryland/Ashland/CastroValley/Fairview BikePed Hwy Rte:

Proj Description: Cherryland, Ashland, Castro Valley, Fairview, San Lorenzo and other Unincorporated Areas of Alameda County: Various Locations: Sidewalk, bike lanes and other safety improvements in the vicinity of Schools within unincorporated Alameda County area.

Revision Reason: Split out a portion of this project to ALA190019 along with \$8.3M in CMAQ, \$1M in STP, and \$4M in Local funds

Primary RTP ID: 17-01-0004 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$461,000,000 Review: AA
040

RTP Description: Multimodal Streetscape

AQCTF Review: Reviewed

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	29,000	29,000	-	-	-	-	-	-
PSE	ATP-REG	1,922,000	650,000	1,272,000	-	-	-	-	-
PSE	LOCAL GEN FUND	432,000	205,000	-	227,000	-	-	-	-
PE	CMAQ-T4	130,000	130,000	-	-	-	-	-	-
PE	EARMARK-T2	400,000	400,000	-	-	-	-	-	-
PE	EARMARK-T3	658,600	658,600	-	-	-	-	-	-
PE	LOCAL GEN FUND	95,000	95,000	-	-	-	-	-	-
ROW	ATP-REG	-	-	-	-	-	-	-	-
ROW	LOCAL GEN FUND	249,000	187,000	-	-	-	62,000	-	-
CON	ATP-REG	1,233,000	858,000	375,000	-	-	-	-	-
CON	CMAQ-T4	300,000	300,000	-	-	-	-	-	-
CON	CMAQ-T5	-	-	-	-	-	-	-	-
CON	EARMARK-T2	829,910	829,910	-	-	-	-	-	-
CON	EARMARK-T3	1,900,000	1,900,000	-	-	-	-	-	-
CON	EARMARK-T4	600,000	600,000	-	-	-	-	-	-
CON	GASTAX	112,000	112,000	-	-	-	-	-	-
CON	LOCAL GEN FUND	337,000	257,000	80,000	-	-	-	-	-
CON	RIP-TE-T4	1,150,000	1,150,000	-	-	-	-	-	-
CON	RTP-LRP	8,340,000	-	-	-	-	-	8,340,000	-
CON	STP-T5	-	-	-	-	-	-	-	-
Total Funding		18,717,510	8,361,510	1,727,000	227,000	-	62,000	8,340,000	-

**Report of TIP Revision 2019-24
(By Phase & Fund Source)**

CURRENT

TIP ID: ALA050035 Revision: 2019-00 Version: 29 Status: ACTIVE CTIPS ID: 20600003368
 Sponsoring Agency: Alameda County Implementing Agency: Alameda County
 Trans. System: LOCAL ROAD Mode: BIKE/PED:100% Project Type: SIDEWALK Purpose: SYSTMGMT
 Project Name: Cherryland/Ashland/CastroValley/Fairview BikePed Hwy Rte:
 Proj Description: Cherryland, Ashland, Castro Valley, Fairview, San Lorenzo and other Unincorporated Areas of Alameda County: Various Locations: Sidewalk, bike lanes and other safety improvements in the vicinity of Schools within unincorporated Alameda County area.
 Revision Reason: 2019 TIP Update
 Primary RTP ID: 17-01-0004 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$461,000,000 Review: AA
 RTP Description: Multimodal Streetscape
 AQCTF Review: Reviewed
 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	29,000	29,000	-	-	-	-	-	-
PSE	ATP-REG	1,922,000	650,000	1,272,000	-	-	-	-	-
PSE	LOCAL GEN FUND	432,000	205,000	-	227,000	-	-	-	-
PE	CMAQ-T4	130,000	130,000	-	-	-	-	-	-
PE	EARMARK-T2	400,000	400,000	-	-	-	-	-	-
PE	EARMARK-T3	658,600	658,600	-	-	-	-	-	-
PE	LOCAL GEN FUND	1,195,000	1,195,000	-	-	-	-	-	-
ROW	ATP-REG	-	-	-	-	-	-	-	-
ROW	LOCAL GEN FUND	399,000	187,000	-	-	-	212,000	-	-
CON	ATP-REG	1,233,000	858,000	375,000	-	-	-	-	-
CON	CMAQ-T4	300,000	300,000	-	-	-	-	-	-
CON	CMAQ-T5	8,300,000	-	-	-	-	8,300,000	-	-
CON	EARMARK-T2	829,910	829,910	-	-	-	-	-	-
CON	EARMARK-T3	1,900,000	1,900,000	-	-	-	-	-	-
CON	EARMARK-T4	600,000	600,000	-	-	-	-	-	-
CON	GASTAX	112,000	112,000	-	-	-	-	-	-
CON	LOCAL GEN FUND	3,137,000	257,000	80,000	-	-	2,800,000	-	-
CON	RIP-TE-T4	1,150,000	1,150,000	-	-	-	-	-	-
CON	RTP-LRP	8,340,000	-	-	-	-	-	8,340,000	-
CON	STP-T5	1,000,000	-	-	-	-	1,000,000	-	-
Total Funding		32,067,510	9,461,510	1,727,000	227,000	-	12,312,000	8,340,000	-

End of Project ALA050035

**Report of the Revision 2019-24
(By Phase & Fund Source)**

PROPOSED

TIP ID: ALA190006 Revision: 2019-24 Version: 2 Status: **ACCEPTED** CTIPS ID: 20600006565
 Sponsoring Agency: Alameda County Implementing Agency: Alameda County
 Trans. System: LOCAL ROAD Mode: AUTO:100% Project Type: OTHER Purpose: SYSTMGMT
 Project Name: Alameda County - Vasco Road Safety Improvements Hwy Rte:
 Proj Description: Alameda County: Vasco Rd between Dalton and MM.3.05: Rehabilitate pavement and install centerline and edgeline rumble strips and striping markings
 Revision Reason: Update the funding plan to remove \$90K in Earmark HPP funds and add \$443K in STP funds reprogrammed from the previously archived ALA030002
 Primary RTP ID: 17-01-0003 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$732,000,000 Review: PR
 040
 RTP Description: County Safety, Security and Other
 AQCTF Review: Reviewed
 AQ Description: EXEMPT (40 CFR 93.126) - Projects that correct, improve, or eliminate a hazardous location or feature

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
PE	LOCAL GEN FUND	50,000	50,000	-	-	-	-	-	-
CON	EARMARK-T3	483,644	-	-	483,644	-	-	-	-
CON	LOCAL GEN FUND	326,000	-	-	326,000	-	-	-	-
CON	STP-T3	443,320	-	-	443,320	-	-	-	-
Total Funding		1,302,964	50,000	-	1,252,964	-	-	-	-

CURRENT

TIP ID: ALA190006 Revision: 2019-04 Version: 1 Status: **ACTIVE** CTIPS ID: 20600006565
 Sponsoring Agency: Alameda County Implementing Agency: Alameda County
 Trans. System: LOCAL ROAD Mode: AUTO:100% Project Type: OTHER Purpose: SYSTMGMT
 Project Name: Alameda County - Vasco Road Safety Improvements Hwy Rte:
 Proj Description: Alameda County: Vasco Rd between Dalton and MM.3.05: Rehabilitate pavement and install centerline and edgeline rumble strips and striping markings
 Revision Reason: Split this project listing out from ALA030002 along with \$574K in Earmark-HPP and \$376K in Local funds
 Primary RTP ID: 17-01-0003 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$732,000,000 Review: PR
 RTP Description: County Safety, Security and Other
 AQCTF Review: Reviewed
 AQ Description: EXEMPT (40 CFR 93.126) - Projects that correct, improve, or eliminate a hazardous location or feature

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
PE	LOCAL GEN FUND	50,000	50,000	-	-	-	-	-	-
CON	EARMARK-T3	574,000	-	574,000	-	-	-	-	-
CON	LOCAL GEN FUND	326,000	-	326,000	-	-	-	-	-
Total Funding		950,000	50,000	900,000	-	-	-	-	-

End of Project ALA190006

**Report of TIP Revision 2019-24
(By Phase & Fund Source)**

PROPOSED

TIP ID: ALA190019 Revision: 2019-24 Version: 1 Status: ACCEPTED CTIPS ID:

Sponsoring Agency: Alameda County Implementing Agency: Alameda County

Trans. System: LOCAL ROAD Mode: BIKE/PED:100% Project Type: SIDEWALK Purpose: SYSTMGMT

Project Name: Alameda County Complete Street Improvements Hwy Rte:

Proj Description: Alameda County: Various locations: Bicycle and ped safety improvements

Revision Reason: Split this project out from ALA050035 along with \$8.3M in CMAQ, \$1M in STP, \$2M in Sales Tax, and \$2M in local funds and add \$1.35M in new local funds

Primary RTP ID: 17-01-0004 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$461,000,000 Review: PR
040

RTP Description: Multimodal Streetscape

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	Toil Credit
PE	LOCAL GEN FUND	1,100,000	-	-	1,100,000	-	-	-	-
ROW	LOCAL GEN FUND	150,000	-	-	150,000	-	-	-	-
CON	CMAQ-T5	8,300,000	-	-	-	-	8,300,000	-	-
CON	LOCAL GEN FUND	2,100,000	-	-	-	-	2,100,000	-	-
CON	SALESTAX-MEASURE	2,000,000	-	-	-	-	2,000,000	-	-
CON	STP-T5	1,000,000	-	-	-	-	1,000,000	-	-
Total Funding		14,650,000	-	-	1,250,000	-	13,400,000	-	-

End of Project ALA190019

Report of TIP Revision 2019-24
(By Phase & Fund Source)

PROPOSED

TIP ID: SCL190034 Revision: 2019-24 Version: 1 Status: PROPOSED CTIPS ID: 2019-24-0001

Sponsoring Agency: Caltrans Implementing Agency: Caltrans

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

Project Name: SCL-SM I-280 Roadway Preservation Hwy Rte: 280

Proj Description: Santa Clara and San Mateo Counties: On I-280 from from Foothill Blvd (PM 11.5 in Santa Clara County) to to 0.5 mile north of Sand Hill (PM 2.1 in San Mateo County): Pavement rehabilitation

Revision Reason: Split this project out of VAR170006 along with \$59.5M 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) - Pavement resurfacing and/or rehabilitation

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
ENV	AC-STATE	1,853,000	1,853,000	-	-	-	-	-	-
PSE	AC-STATE	3,284,000	3,284,000	-	-	-	-	-	-
ROW	AC-STATE	50,000	-	-	50,000	-	-	-	-
ROW-SU	AC-STATE	48,000	48,000	-	-	-	-	-	-
CON	AC-STATE	47,574,000	-	-	47,574,000	-	-	-	-
CON-CE	AC-STATE	6,661,000	-	-	6,661,000	-	-	-	-
Total Funding		59,470,000	5,185,000	-	54,285,000	-	-	-	-

End of Project SCL190034

Report of TIP Revision 2019-24
(By Phase & Fund Source)

PROPOSED

TIP ID: VAR170002 Revision: 2019-24 Version: 11 Status: ACCEPTED CTIPS ID: 20600006070
 Sponsoring Agency: Caltrans Implementing Agency: Caltrans
 Trans. System: STATE HWY Mode: AUTO:100% Project Type: NON-PAVEMENT Purpose: SYSTMGMT
 Project Name: GL: Highway Safety Improvement Program Hwy Rte:
 Proj Description: GL: Safety Imprv - Highway Safety Improvement Program: 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
 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) - Highway Safety Improvement Program implementation

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	HSIP-T4	2,899,300	2,441,800	457,500	-	-	-	-	253,785
CON	HSIP-T5	63,856,337	7,103,884	9,186,216	17,885,330	11,950,973	17,729,934	-	-
CON	LOCAL GEN FUND	6,080,896	377,523	770,793	2,571,357	1,476,418	884,805	-	-
Total Funding		72,836,533	9,923,207	10,414,509	20,456,687	13,427,391	18,614,739	-	253,785

CURRENT

TIP ID: VAR170002 Revision: 2019-19 Version: 10 Status: ACTIVE CTIPS ID: 20600006070
 Sponsoring Agency: Caltrans Implementing Agency: Caltrans
 Trans. System: STATE HWY Mode: AUTO:100% Project Type: NON-PAVEMENT Purpose: SYSTMGMT
 Project Name: GL: Highway Safety Improvement Program Hwy Rte:
 Proj Description: GL: Safety Imprv - Highway Safety Improvement Program: 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
 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) - Highway Safety Improvement Program implementation

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	HSIP-T4	2,899,300	2,441,800	457,500	-	-	-	-	253,785
CON	HSIP-T5	64,007,717	7,103,884	9,337,596	17,885,330	11,950,973	17,729,934	-	-
CON	LOCAL GEN FUND	6,101,366	381,173	787,613	2,571,357	1,476,418	884,805	-	-
Total Funding		73,008,383	9,926,857	10,582,709	20,456,687	13,427,391	18,614,739	-	253,785

End of Project VAR170002

Report of the Revision 2019-24
(By Phase & Fund Source)

PROPOSED

TIP ID: VAR170004 Revision: 2019-24 Version: 8 Status: ACCEPTED CTIPS ID: 20600006101
 Sponsoring Agency: Caltrans Implementing Agency: Caltrans
 Trans. System: STATE HWY Mode: AUTO:100% Project Type: PAVEMENT Purpose: MAINT/REHAB
 Project Name: GL: Pavement Resurfacing/Rehab SHS - Highway Maint Hwy Rte:
 Proj Description: GL: Pavement Resurf/Rehab State Highway System - Highway Maintenance. Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories - Pavement resurfacing and/or rehabilitation.
 Revision Reason: Update the funding plan and back-up listing to reflect the latest information from Caltrans including the addition of \$8.4M in SHA funds and \$5.2M in State Cash
 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) - Pavement resurfacing and/or rehabilitation

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	SHA-T3	41,033,470	30,204,000	2,065,000	8,764,470	-	-	-	1,726,694
CON	ST-CASH-T2	6,530,665	-	-	6,530,665	-	-	-	-
CON	ST-STP-T4	5,829,865	-	4,015,000	1,814,865	-	-	-	-
Total Funding		53,394,000	30,204,000	6,080,000	17,110,000	-	-	-	1,726,694

CURRENT

TIP ID: VAR170004 Revision: 2019-13 Version: 7 Status: ACTIVE CTIPS ID: 20600006101
 Sponsoring Agency: Caltrans Implementing Agency: Caltrans
 Trans. System: STATE HWY Mode: AUTO:100% Project Type: PAVEMENT Purpose: MAINT/REHAB
 Project Name: GL: Pavement Resurfacing/Rehab SHS - Highway Maint Hwy Rte:
 Proj Description: GL: Pavement Resurf/Rehab State Highway System - Highway Maintenance. Projects are consistent with 40 CFR Part 93.126 Exempt Tables 2 and Table 3 categories - Pavement resurfacing and/or rehabilitation.
 Revision Reason: Update the funding plan and back up listing to reflect the latest information from Caltrans including the addition of \$1.8M in State STP, \$354K in SHA-NHS, and \$1.3M in State Cash
 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) - Pavement resurfacing and/or rehabilitation

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	SHA-T3	32,623,120	30,204,000	2,065,000	354,120	-	-	-	1,726,694
CON	ST-CASH-T2	1,341,015	-	-	1,341,015	-	-	-	-
CON	ST-STP-T4	5,829,865	-	4,015,000	1,814,865	-	-	-	-
Total Funding		39,794,000	30,204,000	6,080,000	3,510,000	-	-	-	1,726,694

End of Project VAR170004

Report of TIP Revision 2019-24
(By Phase & Fund Source)

PROPOSED

TIP ID: VAR170006 Revision: 2019-24 Version: 10 Status: ACCEPTED CTIPS ID: 20600006103
 Sponsoring Agency: Caltrans Implementing Agency: Caltrans
 Trans. System: STATE HWY Mode: AUTO:100% Project Type: OTHER Purpose: MAINT/REHAB
 Project Name: GL: Pavement Resurf./Rehab - SHOPP Roadway Presv. Hwy Rte:
 Proj Description: Regionwide: Various Locations: Projects consistent with 40CFR93.126 Exempt Tables 2 categories - Pavement resurfacing and/or rehabilitation, Emergency relief (23 U.S.C. 125), 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 splitting out SCL190034 along with \$59.5M 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) - Pavement resurfacing and/or rehabilitation

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	AC-STATE	1,064,135,000	355,086,000	119,286,000	184,903,000	38,890,000	365,970,000	-	-
CON	RTP-LRP	-	-	-	-	-	-	-	-
Total Funding		1,064,135,000	355,086,000	119,286,000	184,903,000	38,890,000	365,970,000	-	-

CURRENT

TIP ID: VAR170006 Revision: 2019-21 Version: 9 Status: ACTIVE CTIPS ID: 20600006103
 Sponsoring Agency: Caltrans Implementing Agency: Caltrans
 Trans. System: STATE HWY Mode: AUTO:100% Project Type: OTHER Purpose: MAINT/REHAB
 Project Name: GL: Pavement Resurf./Rehab - SHOPP Roadway Presv. Hwy Rte:
 Proj Description: Regionwide: Various Locations: Projects consistent with 40CFR93.126 Exempt Tables 2 categories - Pavement resurfacing and/or rehabilitation, Emergency relief (23 U.S.C. 125), 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 \$60M in SHOPP funds and removal of \$254M in RTP-LRP 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) - Pavement resurfacing and/or rehabilitation

Phase	Fund Source	Total	Prior	FY 18/19	FY 19/20	FY 20/21	FY 21/22	Later	Toll Credit
CON	AC-STATE	1,118,344,000	355,010,000	173,571,000	184,903,000	38,890,000	365,970,000	-	-
CON	RTP-LRP	-	-	-	-	-	-	-	-
Total Funding		1,118,344,000	355,010,000	173,571,000	184,903,000	38,890,000	365,970,000	-	-

End of Project VAR170006

**Report of TIP Revision 2019-24
(By Phase & Fund Source)**

PROPOSED

TIP ID: VAR170010 Revision: 2019-24 Version: 12 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 \$22.7M 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) - 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	Toil 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

CURRENT

TIP ID: VAR170010 Revision: 2019-21 Version: 11 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 \$15.6M 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	Toil Credit
CON	AC-STATE	777,453,000	262,481,000	150,977,000	169,328,000	45,734,000	148,933,000	-	19,151,689
Total Funding		777,453,000	262,481,000	150,977,000	169,328,000	45,734,000	148,933,000	-	19,151,689

End of Project VAR170010

Report of TIP Revision 2019-24
(By Phase & Fund Source)

PROPOSED

TIP ID: VAR170024 Revision: 2019-24 Version: 5 Status: ACCEPTED CTIPS ID: 20600006375
 Sponsoring Agency: MTC Implementing Agency: Various
 Trans. System: LOCAL ROAD Mode: BIKE/PED:93% | RAIL:6% | FERRY:1% Project Type: PLANNING Purpose: SYSTMGMT
 Project Name: Bike Share Capital Program Hwy Rte:
 Proj Description: Fremont, Richmond, and Marin and Sonoma Counties, along the SMART Corridor: Various Locations: Implement bike / bicycle sharing
 Revision Reason: Update the funding plan to add \$700K in FY20 CON STP funds
 Primary RTP ID: 17-01-0001 Sec. RTP ID: RTP Cycle: PLANBAYAREA2 RTP Cost: \$658,000,000 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	Toil Credit
CON	CMAQ-T4	75,000	-	75,000	-	-	-	-	8,603
CON	LOCAL GEN FUND	659,000	-	659,000	-	-	-	-	-
CON	MTC-LOCAL	1,850,000	-	1,850,000	-	-	-	-	-
CON	STP-T4	700,000	-	-	700,000	-	-	-	80,290
Total Funding		3,284,000	-	2,584,000	700,000	-	-	-	88,893

CURRENT

TIP ID: VAR170024 Revision: 2019-00 Version: 4 Status: ACTIVE CTIPS ID: 20600006375
 Sponsoring Agency: MTC Implementing Agency: Various
 Trans. System: LOCAL ROAD Mode: BIKE/PED:93% | RAIL:6% | FERRY:1% Project Type: PLANNING Purpose: SYSTMGMT
 Project Name: Bike Share Capital Program Hwy Rte:
 Proj Description: Fremont, Richmond, and Marin and Sonoma Counties, along the SMART Corridor: Various Locations: Implement bike / bicycle sharing
 Revision Reason: 2019 TIP Update
 Primary RTP ID: 17-01-0001 Sec. RTP ID: RTP Cycle: PLANBAYAREA2040 RTP Cost: \$658,000,000 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	Toil Credit
CON	CMAQ-T4	75,000	-	75,000	-	-	-	-	8,603
CON	LOCAL GEN FUND	659,000	-	659,000	-	-	-	-	-
CON	MTC-LOCAL	1,850,000	-	1,850,000	-	-	-	-	-
Total Funding		2,584,000	-	2,584,000	-	-	-	-	8,603

End of Project VAR170024

Report of TIP Revision 2019-24
 (By Phase and Fund Source)

TIP Revision Summary

	Federal	State	Regional	Local	Total	2019 TIP Only	Toll Credit
Current:	\$88,654,392	\$1,932,916,135	\$0	\$22,630,366	\$2,044,200,893	\$1,368,727,526	\$21,140,771
Proposed:	\$89,555,976	\$1,974,455,135	\$0	\$23,909,896	\$2,087,921,007	\$1,408,290,290	\$21,221,061
Delta:	\$901,584	\$41,539,000	\$0	\$1,279,530	\$43,720,114	\$39,562,764	\$80,290

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

Last updated with TIP Revision 2019-24

2019 FTIP Back-Up List, sorted by MPO, Agency and Unique Project ID

Highway Safety Improvement Program (HSIP)

Unique Project ID	HR3 Eligibility	District	Agency	MPO	Project Location	Description of Work	Current Total Project Cost Estimate	Current Programmed Federal Funds	Other Local Funds	Federal Funds Programmed under "Prig"	Federal Funds Programmed in 2018/19	Federal Funds Programmed in 2019/20	Federal Funds Programmed in 2020/21	Federal Funds Programmed in 2021/22	Approved Federal Funds	
																MTC
Backup List Updated On: 12/13/2019																
H8-04-0018-002	Yes	4	Alameda County	MTC	Redwood Road between Marcial Rd and Camino Alta Mira in Castro Valley, and Palomares Rd between Palo Verde Rd and Highway 84.	Pave existing shoulders and provide law enforcement pullout areas to control vehicle speeding along the corridors.	\$418,000	\$376,200	\$41,800	\$63,000	\$313,200	\$0	\$0	\$0	\$376,200	
H8-04-003	No	4	Alameda County	MTC	Fairmont Drive between Lake Chabot Road and 2700 Fairmont Drive in Castro Valley.	Install guardrails.	\$908,800	\$908,800	\$0	\$80,300	\$0	\$828,500	\$0	\$0	\$908,800	
H8-04-001	No	4	Alameda County	MTC	Various unsignalized intersections in unincorporated Alameda County.	Install/upgrade larger or additional stop signs or other warning/regulatory signs; add intersection lighting; add pedestrian crossing with enhanced safety features.	\$1,942,400	\$485,600	\$0	\$0	\$0	\$0	\$0	\$485,600	\$1,942,400	
H8-04-002	No	4	Alameda County	MTC	Various signalized intersections throughout Alameda County; urban and suburban contexts.	Install mast arms; install signal hardware improvements such as additional signal heads, reflective backplates; install leading pedestrian interval.	\$2,493,500	\$623,475	\$0	\$0	\$0	\$0	\$0	\$0	\$623,475	\$2,493,900
H8-04-003	No	4	Alameda County	MTC	Crow Canyon Road, Palomares Road, North Vasco Road, and Alamo Pass Road in unincorporated Alameda County.	Widen paved shoulders; construct edge-line rumble strips; and install chivron signs and delineators.	\$1,812,700	\$407,857.50	\$181,270	\$0	\$0	\$0	\$0	\$407,857.50	\$1,831,430	
H8-04-004	No	4	Alameda County	MTC	Ten (10) locations along Teles Road between Eagles Run Road and McLaughlin Road.	Upgrade guardrail.	\$471,300	\$117,825	\$0	\$0	\$0	\$0	\$0	\$117,825	\$471,300	
H8-04-005	No	4	Benicia	MTC	Twenty-eight (28) guardrail locations within Benicia.	Upgrade existing guardrails and the end treatments.	\$996,000	\$249,000	\$0	\$0	\$0	\$0	\$0	\$249,000	\$996,000	
H8-04-006	No	4	Benicia	MTC	The intersections of West 5th St. with Military West and Hasting Dr. with London Dr.	Enhance pedestrian crossings by installing ADA curb ramp, RRFB system, median island, and sidewalk, and other relevant elements.	\$259,100	\$62,500	\$9,100	\$0	\$0	\$0	\$0	\$62,500	\$250,000	
H-SIP7-04-001	No	4	Benicia	MTC	The intersection of East 5th Street and Vecino Street, and along East 5th Street between I-780 and Vecino Street	Construct a bulb-out and crosswalk with flashing beacons on East 5th Street @ Vecino Street and extend the eastern sidewalk of East 5th Street to I-780 along with adding two new roadway lights	\$470,600	\$423,540	\$47,060	\$57,600	\$0	\$0	\$0	\$365,940	\$423,540	
H-SIP7-04-002	No	4	Benicia	MTC	The intersection of Military West, West 7th Street, Carolina Drive, and Buena Vista	Replace traffic signal to add protected lefts on Military West; upgrade five (5) pedestrian crosswalks; and upgrade controller cabinet	\$281,200	\$253,080	\$28,120	\$29,700	\$0	\$0	\$0	\$223,380	\$253,080	
H8-04-007	No	4	Brisbane	MTC	Guadalupe Canyon Pkwy between Bayshore Blvd and western city limit	Install edge-line rumble strips, bike lane markings, and signage; restripe lane and median markings to widen median; install centerline rumble strips; upgrade existing flashing beacons with solar-powered LED flashing; install pedestrian hybrid beacon; construct curb, gutter, sidewalk, and curb ramps; widen sidewalk; install traffic signs, stripes, and pavement markings	\$120,300	\$108,270	\$12,030	\$0	\$108,270	\$0	\$0	\$0	\$108,270	
H-SIP6-04-002	No	4	Campbell	MTC	Harnet Avenue between Westmont Avenue and north city limits	Improve signal hardware (lenses, backplates, mountings, size, number); upgrade cabinet equipment, controllers, and modify phasing to provide a Lead Pedestrian Interval (LPI)	\$574,400	\$516,900	\$57,500	\$59,400	\$467,500	\$0	\$0	\$0	\$516,900	
H8-04-008	No	4	Concord	MTC	Various locations	Upgrade cabinet equipment, controllers, and modify phasing to provide a Lead Pedestrian Interval (LPI)	\$2,460,800	\$2,386,976	\$73,824	\$0	\$0	\$0	\$0	\$2,386,976	\$2,386,976	
H8-04-004	No	4	Contra Costa County	MTC	Intersections of Olympic Boulevard at Bridgfield Road and Walden Road at Westville Lane (unincorporated Walnut Creek area)	Construct ADA curb ramp, curb, gutter, and sidewalk; install Rectangular Rapid Flashing Beacons (RRFBs)	\$289,400	\$224,400	\$65,000	\$40,000	\$184,400	\$0	\$0	\$0	\$224,400	
H8-04-005	No	4	Contra Costa County	MTC	Marsh Creek Road from the City of Clayton limits to Camino Diablo, Vasco Road from Walnut Boulevard to the Alameda County line, and San Pablo Dam Road from City of Richmond limits to Bear Creek Road.	Upgrade existing guardrails.	\$1,293,200	\$1,293,200	\$0	\$163,600	\$1,139,600	\$0	\$0	\$0	\$1,293,200	
H8-04-006	No	4	Contra Costa County	MTC	Danville Boulevard between Stone Valley Road and Jackson Way in unincorporated Alamo of Contra Costa County.	Construct a roundabout at the intersection of Danville Boulevard and Orchard Court in addition to street improvements, such as sidewalk improvements and curb extensions	\$2,978,000	\$2,718,000	\$260,000	\$485,000	\$0	\$2,233,000	\$0	\$0	\$2,718,000	
H8-04-007	No	4	Contra Costa County	MTC	San Pablo Dam Road between the Richmond City Limits and Bear Creek Road/Wildcat Canyon Road.	Install centerline rumble strips along 4.6 miles of two-lane, winding roadway; upgrade regulatory and warning signs; reconstruct median island curbs; install lane delineators along the centerline.	\$760,800	\$760,800	\$0	\$135,800	\$0	\$625,000	\$0	\$0	\$760,800	

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

Unique Project ID	Agency	MPO	Location	Description	Estimated Cost	Actual Cost	Funding Source	Other Funding	Total Cost	Other Funding	Total Cost
H8-04-008	Contra Costa County	MTC	Byron Highway approx. 350 feet south of Byer Road to Hoffman Lane, adjacent to Excelsior Middle School in unincorporated Byron.	Install southbound left-turn lane on Byron Highway on to Byer Road. Construct a two-way left turn lane to improve access at Excelsior Middle School and widen roadway to provide paved shoulders.	\$1,046,000	\$616,730	\$429,270	\$0	\$1,085,000	\$0	\$1,085,000
H9-04-009	Contra Costa County	MTC	Kifer Pass Road between the city limits of Concord and Pittsburg.	Install intersection lighting at two intersections. Install protective guardrail along the top of embankment, and install delineator/reflector along the Kifer Pass Road.	\$1,280,000	\$1,280,000	\$0	\$0	\$0	\$0	\$1,280,000
H9-04-010	Contra Costa County	MTC	Various locations on arterials and major collector roadways in the Crockett area.	Upgrade sub-standard MGRS guardrails to California standard MGS guardrails and end treatments on arterials and major collector roadways (approximately 41 guardrails with a length of over 12,000 linear feet).	\$1,696,500	\$999,963	\$696,537	\$0	\$0	\$0	\$999,963
HSIP7-04-005	Contra Costa County	MTC	On San Pablo Dam Road between Appian Way and Clark Road, within the unincorporated El Sobrante area.	Construct curb, gutter, and sidewalk.	\$906,300	\$613,920	\$292,380	\$0	\$1,087,500	\$0	\$1,087,500
HSIP7-04-006	Contra Costa County	MTC	Byron Highway between Byron Hot Springs Road and Contra Costa/Alameda County Line, within the unincorporated Byron area.	Restripe centerline with double yellow no passing lines, install centerline rumble strips, and upgrade signs.	\$515,000	\$515,000	\$0	\$92,000	\$0	\$0	\$423,000
HSIP7-04-007	Contra Costa County	MTC	Located on Marsh Creek Road between the city limits of Clayton and Brentwood. The project length is approximately 14 miles.	Install centerline rumble strips/strips; Add lighting at Deer Valley Road and Marsh Creek Road intersection.	\$1,268,000	\$1,268,000	\$0	\$212,000	\$0	\$1,056,000	\$1,268,000
H9-04-011	Cupertino	MTC	The intersection of Homestead Rd and N De Anza Blvd.	Upgrade existing pedestrian-mounted signal to signal on mast arm.	\$213,300	\$213,300	\$0	\$0	\$0	\$0	\$213,300
H9-04-012	Fairfield	MTC	14 signalized intersections including N Texas St at Tabor, Travis, Walmart, Alamo/Cement Hill, Travis Blvd at 2nd, Pennsylvania, Webster, Union, Holiday, Fairfield, Soleno Mall, Oliver, Other at Woodbrook, and Gateway at Woodbrook.	Install Adaptive Signal Timing and advanced dilemma-zone detection, and enhance the visibility of signals.	\$1,970,300	\$233,787.50	\$935,150	\$0	\$0	\$0	\$233,787.50
H9-04-013	Fairfield	MTC	Twenty-five (25) locations.	Upgrade existing guardrails and their treatments.	\$655,400	\$163,850	\$0	\$0	\$0	\$0	\$163,850
H9-04-014	Fairfield	MTC	Five non-signalized intersections, including: N Texas St at Oak St; Pennsylvania Ave at Empire St; N Texas St at Wisconsin St; Travis Blvd at Phoenix Dr. and Travis Blvd at Clay St.	Construct pedestrian crossing enhancements including HAWK installation accompanied by ADA curb ramp, and relevant signs and pavement markings.	\$1,346,100	\$306,692.75	\$121,329	\$0	\$0	\$0	\$306,692.75
H8-04-009	Fremont	MTC	Fremont Blvd. at the intersections of Mowry Ave. and Stevenson Blvd.	Install 8 pedestrian and bicycle refuge areas (4 at each intersection); remove 8 right-turn slip lanes; relocate signals at intersections to accommodate new refuge areas.	\$1,440,500	\$1,296,450	\$144,050	\$67,500	\$1,228,950	\$0	\$1,296,450
H9-04-015	Los Gatos	MTC	Guardrail locations on Blossom Hill Road, Cleland Avenue, Los Gatos Boulevard, Miller Avenue, More Avenue, Reservoir Road, and Santa Rosa Drive.	Upgrade the existing non-conforming and/or damaged guardrails.	\$980,100	\$980,100	\$0	\$0	\$0	\$0	\$980,100
H8-04-010	Main County	MTC	Various rural arterial and collector roads.	Upgrade existing guardrails.	\$1,200,000	\$1,200,000	\$0	\$196,000	\$0	\$0	\$1,004,000
H8-04-011	Main County	MTC	Various rural arterial and collector roadways	Install guardrail system	\$429,000	\$386,100	\$42,900	\$67,500	\$0	\$0	\$318,600
H9-04-016	Main County	MTC	Fifty-one (51) signalized intersections throughout Marin County, including unincorporated Marin County and within 11 incorporated cities and towns.	Install pedestrian countdown heads, pedestrian push buttons, 12' LED signal heads, signal head backplates and advanced dilemma zone delineations.	\$2,800,300	\$700,075	\$0	\$0	\$0	\$0	\$700,075
H9-04-017	Main County	MTC	Locations on Various rural arterials and major collector roadways in the County of Marin.	Upgrade nonstandard guardrails.	\$981,200	\$240,300	\$0	\$0	\$0	\$0	\$240,300
HSIP7-04-010	Main County	MTC	Lucas Valley Road at PM 5.08	Improve roadway curve alignment at Mile Post 5.08	\$1,350,000	\$1,207,500	\$142,500	\$198,000	\$0	\$0	\$1,009,500
HSIP7-04-011	Main County	MTC	Arterials and rural collector roadways	Sign inventory, roadway safety sign audit and signing upgrade project	\$605,000	\$544,500	\$60,500	\$202,500	\$0	\$0	\$342,000
H8-04-012	Mountain View	MTC	Intersection of Shoreline Blvd. at Villa St.	Upgrade existing traffic signal, add protected left turn phase on minor street approaches; install new pedestrian crosswalk; remove existing channelized free right turn and "park shop" island; construct curb, gutter.	\$608,800	\$400,725	\$208,075	\$0	\$0	\$0	\$400,725
H9-04-018	Napa County	MTC	Silverado Trail, MM 00.00-11.00.	Upgrade existing guardrail on Silverado Trail to meet the current standards.	\$999,400	\$999,400	\$0	\$0	\$0	\$0	\$999,400

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

Project ID	Agency	County	MTC	Location	Description	Estimate	Funding	Match	Other	Total
HS-04-019	No	Napa County	MTC	Silverado Trail north of Trancas St and south of HWY 29, excluding portions within and managed by City of St. Helena, City of Calistoga, and Caltrans infill stations.	Install rumble strips/strips, center lines and shoulder striping on both north-bound and south-bound sides of Silverado trail, approximately 33.4 miles north-southbound point to southernmost point.	\$1,744,000	\$1,744,000	\$0	\$0	\$1,744,000
HS-04-020	No	Novato	MTC	Diablo Avenue/De Long Avenue corridor between Novato Boulevard and Rafter Avenue.	Improve pedestrian crosswalks throughout the corridor, install advanced dilemma zone detection at two key intersections, and provide an advance flashing beacon at upstream of an intersection with an arterial roadway.	\$1,146,300	\$1,146,300	\$0	\$0	\$1,146,300
HS-04-013	No	Oakland	MTC	On Bancroft Avenue in the City of Oakland between Havenscourt Boulevard and 98th Street	Install HAWKS and RRF-Ba at three locations, and install a landscape at the northeast corner of Bancroft and 67th Street.	\$4,770,700	\$3,595,300	\$1,175,400	\$702,374	\$2,892,926
HS-04-016	No	Oakland	MTC	High Street from San Leandro Street to I-580.	Construct crossing enhancements, signal placement improvements, and new pedestrian signal countdown heads.	\$2,097,300	\$1,580,570	\$516,730	\$365,506	\$1,215,064
HS-04-017	No	Oakland	MTC	Intersections in Downtown Oakland in the area bounded by Broadway, 9th Street, Harrison Street, and 7th Street; and the intersection of 10th Street and Harrison Street.	Construct safety improvements at 13 intersections, including signal mast arms, vehicle/bicycle detection, accessible pedestrian signal upgrades, and other improvements.	\$629,400	\$527,040	\$102,360	\$83,783	\$433,257
HS-04-018	No	Oakland	MTC	Twenty-seven (27) existing guardrails on roadways in the Oakland hills.	Upgrade existing guardrails.	\$1,198,500	\$1,003,570	\$194,930	\$178,356	\$825,214
HS-04-021	No	Oakland	MTC	Foothill Blvd between Harrington Ave and Cole St, and MacArthur Blvd between 69th and 56th Ave.	Construct bulbouts, pedestrian median refuge islands, crosswalk enhancements, Rectangular Rapid Flashing Beacons (RRF-Ba), signs and striping.	\$1,217,700	\$1,095,930	\$121,770	\$0	\$0
HS-04-022	No	Oakland	MTC	Four (4) uncontrolled crosswalks along minor arterials at the following three intersections: 7th Street & Elbert Street; Oakland Avenue & Moss Avenue; and 98th Avenue & C Street.	Install flashing beacons, pavement markings and signs; construct a median island, curb ramps and bulb outs.	\$282,300	\$250,000	\$32,300	\$0	\$0
HSIP7-04-015	No	Oakland	MTC	Market Street between 4th and 7th Sts & 18 to 19 Sts; intersections at Market St at 14, 16, 21 Sts; San Pablo Avenue at 32, Brockhurst, and 34 Sts	Stripes and sign bike improvements on Market between 4.7 Sts and 18-19 Sts; install uncontrolled crosswalk enhancements, such as RRF-Ba, ladder striping, raised bulb-outs, and raised median refuges at multiple locations.	\$1,594,300	\$1,425,870	\$158,430	\$183,600	\$1,242,270
HSIP7-04-017	No	Oakland	MTC	Signalized intersections in Downtown: 10th/Oak, 10th/Jackson, 10th/Harrison, 11th/Jackson, 11th/Harrison, 12th/Franklin, 12th/Peel Signal, 13th/Franklin, 17th/Franklin, 19th/Franklin	Upgrade existing deficient signals for pedestrian safety to include countdown signals accessible pedestrian signals	\$565,600	\$509,040	\$56,560	\$65,700	\$0
HS-04-019	Yes	Palo Alto	MTC	Paga Mill Road between the City Limits (Mile Marker 0.0 to Mile Marker 4.5).	Improve curve superelevations and install new guardrails along several turns.	\$1,051,300	\$946,170	\$105,130	\$0	\$946,170
HS-04-023	No	Petaluma	MTC	Various intersection throughout the City of Petaluma.	Install Rectangular Rapid Flashing Beacons (RRF-Ba) at various uncontrolled marked crosswalks.	\$248,900	\$248,900	\$0	\$0	\$248,900
HS-04-024	No	Petaluma	MTC	Various intersections, and Petaluma Blvd North near Gossage Ave.	Install upgrades to signal hardware at various intersections; and install new guardrail along Petaluma Blvd North.	\$376,100	\$376,100	\$0	\$0	\$376,100
HS-04-020	No	Pittsburg	MTC	Stoneman Avenue from Harbor Street to Loveridge Road	Install pedestrian HAWK Signals, intersection striping/signage improvements, and two variable speed signs (at approaches to Stoneman Avenue/Brockbank Ave).	\$860,000	\$860,000	\$0	\$158,000	\$722,000
HS-04-025	No	Pittsburg	MTC	Various locations throughout the City of Pittsburg	Improve signal hardware (signal heads, backplates, controllers, BBS, UPS, modems, cabinets, etc) and improve signal timing.	\$1,110,000	\$1,065,600	\$44,400	\$0	\$0
HSIP7-04-018	No	Pittsburg	MTC	West Leland Road Corridor between Bailey Road and Monivideo Drive; intersections of Railroad/California Ave and E. Leland/Loveridge Ave	Install dynamic/variable speed warning signs and centerline rumble strips; provide protected left turn and raised pavement markers and striping, and provide High Friction Surface Treatment	\$1,251,500	\$1,190,620	\$60,880	\$208,500	\$992,120
HS-04-026	No	Rio Vista	MTC	Four (4) pedestrian crossings at the following intersections: S 2nd and Marina Dr (review Junior High); DH White Elementary School and Theresa Way; DH White Elementary School and Laird Way, and S 7th St and Main St.	Enhance pedestrian crossings by the addition of ADA curb ramp, curb extensions, advance yield signs and lines, Rectangular Rapid Flashing Beacons (RRF-Ba), and other relevant elements.	\$249,100	\$249,100	\$0	\$0	\$249,100
HSIP7-04-021	No	San Francisco	MTC	Up to 345 intersections at various locations in the northeast quadrant of San Francisco.	The project will raise up to 345 traffic signals in the northeast quadrant of San Francisco, which includes 251 intersections in the North of Market (NOMA) area and 94 intersections in the South of Market (SOMA) area. Install buffered bike lanes, a raised median island, and general improvements to enhance safety, visibility, and calm vehicle speeds along the corridor.	\$3,741,900	\$3,741,900	\$0	\$1,346,000	\$2,395,900
HS-04-021	No	San Jose	MTC	Santer Road between Story Road/Keys Street and Singleton Road.	Install buffered bike lanes, enhanced crosswalks, flashing beacons, additional streetlights, and general improvements to enhance safety, visibility, and calm vehicle speeds along the corridor.	\$404,260	\$2,959,110	\$404,260	\$679,230	\$2,959,110
HS-04-022	No	San Jose	MTC	White Road between Penitencia Creek Road and Rose Avenue.	Install buffered bike lanes, enhanced crosswalks, flashing beacons, additional streetlights, and general improvements to enhance safety, visibility, and calm vehicle speeds along the corridor.	\$1,569,400	\$1,223,460	\$135,940	\$218,430	\$1,005,030

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

Project ID	Agency	Location	MTC	San Jose	No	4	San Jose	Monterey Road between Skyway Drive and Palm Avenue	Upgrade guardrails that are damaged and not up to current standards.	\$1,002,800	\$1,000,000	\$2,800	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	
H8-04-027	San Jose	Monterey Road between Skyway Drive and Palm Avenue	MTC	San Jose	No	4	San Jose	Monterey Road between Skyway Drive and Palm Avenue	Upgrade guardrails that are damaged and not up to current standards.	\$1,002,800	\$1,000,000	\$2,800	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	
HSIP7-04-022	San Jose	On McLaughlin Avenue between Interstate 280 and Capitol Expressway	MTC	San Jose	No	4	San Jose	On McLaughlin Avenue between Interstate 280 and Capitol Expressway	Install flashing beacons, bulb-outs, enhanced crosswalks, median island, additional streetlights, and general improvements	\$2,793,300	\$2,513,970	\$279,330	\$0	\$0	\$0	\$0	\$2,513,970	\$0	\$2,513,970	
H8-04-023	San Leandro	The intersection of East 14th Street (SR 189) and Joaquin Avenue	MTC	San Leandro	No	4	San Leandro	The intersection of East 14th Street (SR 189) and Joaquin Avenue	Upgrade the existing aged traffic signal equipment, including adding a readable pedestrian crosswalk with a dedicated pedestrian signal phase, adding accessible pedestrian signals, and improving lighting, signing, and install southbound and northbound left turn signals, upgrade signal heads and signal equipment, install video detectors for cars and buses and advanced detection. Install Accessible Pedestrian Signal (APS). Upgrade signal equipment, improve street lighting features and signing & striping for crosswalks, and upgrade disabled curb ramps	\$372,500	\$335,250	\$37,250	\$59,850	\$275,400	\$0	\$0	\$0	\$335,250	\$0	\$335,250
H9-04-028	San Leandro	The intersection of Wicks Blvd and Manor Blvd	MTC	San Leandro	No	4	San Leandro	The intersection of Wicks Blvd and Manor Blvd	Upgrade the existing aged traffic signal equipment, including adding a readable pedestrian crosswalk with a dedicated pedestrian signal phase, adding accessible pedestrian signals, and improving lighting, signing, and install southbound and northbound left turn signals, upgrade signal heads and signal equipment, install video detectors for cars and buses and advanced detection. Install Accessible Pedestrian Signal (APS). Upgrade signal equipment, improve street lighting features and signing & striping for crosswalks, and upgrade disabled curb ramps	\$359,900	\$359,900	\$0	\$0	\$0	\$0	\$0	\$359,900	\$0	\$359,900	
HSIP7-04-003	San Leandro	The intersection of Davis Street with Carpenter Street	MTC	San Leandro	No	4	San Leandro	The intersection of Davis Street with Carpenter Street	Install pedestrian activated or HWK signal, accessible pedestrian signal equipment, improve street lighting features and signing & striping for crosswalks, and upgrade disabled curb ramps	\$299,300	\$254,405	\$44,895	\$37,655	\$0	\$0	\$0	\$254,405	\$216,750	\$254,405	
H9-04-029	San Pablo	The intersections of Church Lane and Willow Road and El Portal Drive and Mission Bell Road	MTC	San Pablo	No	4	San Pablo	The intersections of Church Lane and Willow Road and El Portal Drive and Mission Bell Road	Install pedestrian crossing enhancements and illumination.	\$1,015,600	\$228,510	\$1,015,600	\$0	\$0	\$0	\$0	\$228,510	\$0	\$914,040	
H8-04-025	San Rafael	The intersection of Third Street and Highborn Street	MTC	San Rafael	No	4	San Rafael	The intersection of Third Street and Highborn Street	Install ADA compliant curb ramp; remove the existing crosswalk on the south leg & install a new crosswalk on the east leg; install new traffic signal poles and conduit; install roadway signage, change traffic signal timing. Construct high-visibility crosswalks, install advanced stop bars, and install pedestrian countdown signals at live intersections, and add signal mast arms at three locations.	\$563,900	\$523,900	\$0	\$60,000	\$0	\$0	\$523,900	\$0	\$0	\$563,900	
H9-04-030	San Rafael	Five (5) signalized intersections of Third Street at Lindero Street, Lincoln Avenue, Tamalpais Avenue, Inwin Street and Grand Street.	MTC	San Rafael	No	4	San Rafael	Five (5) signalized intersections of Third Street at Lindero Street, Lincoln Avenue, Tamalpais Avenue, Inwin Street and Grand Street.	Construct high-visibility crosswalks, install advanced stop bars, and install pedestrian countdown signals at live intersections, and add signal mast arms at three locations.	\$1,575,000	\$933,750	\$0	\$0	\$0	\$0	\$0	\$933,750	\$0	\$1,575,000	
H8-04-026	Santa Rosa	Thirty-nine (39) signalized intersections.	MTC	Santa Rosa	No	4	Santa Rosa	Thirty-nine (39) signalized intersections.	Retrofit and upgrade thirty-nine (39) Protected/Permissive signalized intersections with Flashing Yellow Left Turn Arrow displays to meet the current MUTCD/CANUTCD Standards	\$994,000	\$994,000	\$0	\$110,000	\$0	\$0	\$884,000	\$0	\$994,000		
H8-04-028	Solano County	Various locations.	MTC	Solano County	Yes	4	Solano County	Various locations.	Install new guardrail and upgrade existing guardrail.	\$529,900	\$529,900	\$0	\$94,000	\$435,900	\$0	\$0	\$529,900	\$0	\$529,900	
H8-04-030	South San Francisco	Intersection of Spruce Avenue at Commercial Avenue.	MTC	South San Francisco	No	4	South San Francisco	Intersection of Spruce Avenue at Commercial Avenue.	Install new traffic signal with pedestrian countdown timers and accompanying ADA curb ramps	\$524,000	\$444,000	\$80,000	\$0	\$0	\$0	\$444,000	\$0	\$444,000		
H9-04-031	South San Francisco	Three (3) non-signalized intersections, W. Orange Ave at N. Canal St. W. Orange Ave at Myrtle Ave, and Hillside Blvd at Franklin Ave.	MTC	South San Francisco	No	4	South San Francisco	Three (3) non-signalized intersections, W. Orange Ave at N. Canal St. W. Orange Ave at Myrtle Ave, and Hillside Blvd at Franklin Ave.	Construct pedestrian improvements including RFBF, advanced pedestrian crosswalk, and ADA curb ramps.	\$204,800	\$51,200	\$0	\$0	\$0	\$0	\$51,200	\$0	\$204,800		
H9-04-032	St Helena	Silverado Trail, with the project limits bordering Napa County, beginning from approximately 175 feet north of Howell Mountain Road and ending at the southern City Limits (1.475, feet total).	MTC	St Helena	No	4	St Helena	Silverado Trail, with the project limits bordering Napa County, beginning from approximately 175 feet north of Howell Mountain Road and ending at the southern City Limits (1.475, feet total).	Upgrade approximately 1.75 linear feet of existing guardrail and wood posts with new steel posts, new metal guardrail beams and guardrail delineators.	\$556,100	\$556,100	\$0	\$0	\$0	\$0	\$556,100	\$0	\$556,100		
H9-04-033	Suisun City	Three (3) pedestrian crossings, including on Merganser Dr between Sunset Ave and Wigson Way, the intersection of Pinal Dr. and Scoter Way, and on Lawler Ranch Pkwy between Fernis Way and Hillborn Way.	MTC	Suisun City	No	4	Suisun City	Three (3) pedestrian crossings, including on Merganser Dr between Sunset Ave and Wigson Way, the intersection of Pinal Dr. and Scoter Way, and on Lawler Ranch Pkwy between Fernis Way and Hillborn Way.	Enhance pedestrian crossings by the addition of ADA curb ramp, RFBF system, yield lines and signs, and other relevant elements.	\$248,100	\$248,100	\$0	\$0	\$0	\$0	\$248,100	\$0	\$248,100		
HSIP7-04-023	Suisun City	1) Sunset Avenue between Highway 12 and a point approximately 300 feet north of Railroad Avenue East. 2) Walters Road between Highway 12 and E. Labor Avenue.	MTC	Suisun City	No	4	Suisun City	1) Sunset Avenue between Highway 12 and a point approximately 300 feet north of Railroad Avenue East. 2) Walters Road between Highway 12 and E. Labor Avenue.	Install traffic signal post with left turn arrow, and widen the Railroad Avenue East approach. Replace existing pedestrian head modules with pedestrian head modules that include walking countdown sequence. Install installation of advance warning beacon system with controller and vehicle detection devices	\$249,000	\$224,100	\$24,900	\$42,300	\$0	\$0	\$0	\$224,100	\$191,800	\$224,100	
HSIP7-04-024	Suisun City	Eastbound State Route 12 between Pennsylvania Avenue and Marina Boulevard	MTC	Suisun City	No	4	Suisun City	Eastbound State Route 12 between Pennsylvania Avenue and Marina Boulevard	Installation of advance warning beacon system with controller and vehicle detection devices	\$180,000	\$162,000	\$18,000	\$36,000	\$0	\$0	\$162,000	\$0	\$162,000		
H8-04-031	Sunnyvale	Various locations.	MTC	Sunnyvale	No	4	Sunnyvale	Various locations.	Provide advance dilemma zone detection.	\$844,800	\$844,800	\$0	\$129,000	\$0	\$0	\$715,800	\$0	\$844,800		
H9-04-034	Sunnyvale	Sixteen (16) locations throughout the City of Sunnyvale	MTC	Sunnyvale	No	4	Sunnyvale	Sixteen (16) locations throughout the City of Sunnyvale	Install video detection equipment to provide advance dilemma zone detection.	\$1,298,000	\$324,500	\$0	\$0	\$0	\$0	\$324,500	\$0	\$1,298,000		
H8-04-032	Union City	Two signalized intersections: Avarado-Niles Road/Mem Ave/Union Square and Avarado Blvd/Galaxy Drive.	MTC	Union City	No	4	Union City	Two signalized intersections: Avarado-Niles Road/Mem Ave/Union Square and Avarado Blvd/Galaxy Drive.	Remove pedestal mounted signal heads, install new mast arms, install new street lights on the mast arm poles and related improvements.	\$537,900	\$537,900	\$0	\$65,000	\$472,900	\$0	\$0	\$537,900	\$0	\$537,900	
H9-04-035	Vacaville	Twenty-one (21) intersections in the City of Vacaville.	MTC	Vacaville	No	4	Vacaville	Twenty-one (21) intersections in the City of Vacaville.	Improve signal hardware and timing, install Advanced Dilemma-Zone Detection	\$2,477,700	\$619,425	\$0	\$0	\$0	\$0	\$619,425	\$0	\$2,477,700		

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

Project ID	Agency	MTIC	Location	Description	Estimated Cost	Actual Cost	Remaining Cost	Other	Total
H9-04-036	No	4	Vacaville	MTC	The intersections of Browns Valley Rd with Waterford/Clairecastle Way and Marshall Rd, with Southside Bkwy.	\$226,100	\$0	\$0	\$226,100
H9-04-037	No	4	Valejo	MTC	Six (6) pedestrian crossings at the intersections of Broadway at Hogan Springs at Trogaskis, Broadway at Illinois, Springs at Heerwood, Springs at Lassen/Hill, and Broadway at Hamra St.	\$1,305,800	\$0	\$0	\$326,450
H9-04-038	No	4	Valejo	MTC	Five (5) intersections including: Rockhill Dr and Rockwood Pkwy, Vella Vista Ave at Rockwood St, Fairview Ave at Rockwood St, Howard Ave at Rockwood St, and Solano Ave at Tuolumne St.	\$246,000	\$61,500	\$0	\$61,500
Total(MTC)					\$3,675,500	\$63,601,157	\$7,546,220	\$7,130,434	\$17,865,330
									\$17,729,934
									\$81,129,280

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

Individually Listed HSIP Funded Projects														
Project ID	Agency	MTA	Location	Description	Estimated Cost	FY19	FY20	FY21	FY22	Total				
HSIP7-04-014	No	4	Oakland	Telegraph Avenue corridor between 29th Street and 45th Street	Stripes and sign road diet with buffered bike lanes between 29th and 41st Sts; install signal modifications at 29th and 45th Sts; install uncontrolled crosswalk enhancements, painted bulb-outs, and painted median refuges	\$1,493,300	\$1,344,510	\$149,300	\$199,260	\$0	\$0	\$0	\$1,145,250	\$1,344,510
<small> TIP ID: ALA170002 TIP ID: ALA170003 </small>														
HSIP7-04-016	No	4	Oakland	Shattuck Avenue at 49 St, 51 St, 59th St, Alcatraz Ave, Claremont Avenue between Telegraph Avenue and Clifton Street	Sign and stripe road diet with bike lanes on Claremont; uncontrolled crosswalk enhancements with ladder crosswalk, RRFs, bulb-out, and/or median refuges at multiple locations; protected left-turn at	\$1,560,100	\$1,404,090	\$156,010	\$180,300	\$0	\$0	\$1,223,190	\$0	\$1,404,090
<small> TIP ID: ALA170002 </small>														
H8-04-014	No	4	Oakland	Fruitvale Avenue from Ashbrook Court to E 10th Street.	Install new Class II bicycle lanes, enhanced safety features at pedestrian crossings, and a new protected left turn phase at Foothill Blvd.	\$1,466,500	\$1,105,190	\$361,310	\$256,985	\$0	\$0	\$948,205	\$0	\$1,105,190
<small> TIP ID: ALA170003 </small>														
H8-04-015	No	4	Oakland	35th Avenue from E 12th Street to I-580.	Construct crossing enhancements, a protected left turn phase at Foothill Biv, and Class II bicycle lanes between International Blvd and E 12th Street.	\$2,803,800	\$2,188,360	\$715,440	\$507,940	\$0	\$0	\$1,680,420	\$0	\$2,188,360

**GL: Pavement Resurfacing and/or Rehabilitation on the State
Highway System – Highway Maintenance
(TIP ID – VAR170004)**

Last updated with TIP Revision 2019-24

2019/20 Highway Maintenance Federal Projects

District	Agency	EA	Project ID #	MPO	Project Location	Project Description	Total Project Cost	Other/Local Funds	Funds to be Programmed in R/W Support Costs	Funds to be Programmed in R/W Support Costs	Funds to be Programmed in R/W Support Costs	FURBS TO BE Programmed in Construction Support Costs	Latest Estimated Construction Capital Value in Contract	Construction Capital	Construction Capital	FTR Program Year	National Highway System (Y/N)	Federal Fund Source	County	Route	Back Post Mile	Ahead Post Mile	
									State Funds	State Funds	State Funds	State Funds	Federal Share	State Share									
04	Caltrans	04-30480	0415000216	MTC	In Santa Clara County at Various Locations	Maintenance Asphalt Overlay	\$1,790,000		\$243,000	\$1,000	\$296,000	\$1,250,000	\$143,375	SCL	SCL	2019/20	N	STP	SCL	25	0	\$3	
04	Caltrans	04-30480	0415000216	MTC	In Santa Clara County at Various Locations	Maintenance Asphalt Overlay	\$574,000		\$78,000	\$1,000	\$85,000	\$400,000	\$354,120	SCL	SCL	2019/20	Y	NHS	SCL	156	0	\$1	
04	Caltrans	04-30480	0419000216	MTC	In Santa Clara County at Various Locations	Maintenance Asphalt Overlay	\$1,148,000		\$155,000	\$1,000	\$160,000	\$800,000	\$708,240	SCL	SCL	2019/20	N	STP	SCL	182	6.1	\$8	
04	Caltrans	04-30430	0415000211	MTC	In Santa Clara County in Fremont and Newark from Durbanon Bridge to Decoto Road Separation (Westbound only)	Maintenance Asphalt Overlay	\$6,728,000		\$912,000	\$1,000	\$1,115,000	\$4,700,000	\$4,160,910	SCL	SCL	2019/20	Y	NHS	SCL	84.0	0.7	5.98	
04	Caltrans	04-30440	0419000212	MTC	In Santa Clara County, in San Jose from Route 87/96 to Santa Clara Street at 87/96 N101/101 Connector Separation	Maintenance Asphalt Overlay	\$6,872,000		\$832,000	\$1,000	\$1,138,000	\$4,800,000	\$4,248,440	SCL	SCL	2019/20	Y	NHS	SCL	87.0	7.5	9.22	

2018/19 Highway Maintenance Federal Projects

District	Agency	EAS	Project ID #	MPO	* Project Location	Project Description	Total Project Cost	Other/Local Funds	Funds to be Programmed for PE Support Costs	Funds to be Programmed in R/W Support costs	Funds to be Programmed in Construction Support Costs	Latest Estimated Construction Capital Value in Contract	FTIP Program Year	National Highway System (Y/N)	Fund Source	County	Route	Back Post Mile	Ahead Post Mile	FF\$1 Job	Lane-Miles
04	Caltrans	04-0P530	0417000464	MTC	IN ALAMEDA COUNTY, IN OAKLAND FROM 5TH AND 6TH STREET VIADUCT TO EAST BAY VIADUCT	replace with RHMA Overlay-Open	\$2,065,000		\$119,000	\$1,000	\$145,000	\$1,800,000	2018/19	Y	NHS	ALA	880	32.8	34	FF	7.9
04	Caltrans	04-3J500	0415000156	MTC	IN SANTA CLARA COUNTY IN AND REAGAN JOBE FROM WATKINS ROAD TO I-585 EAST OF THREE SPRINGS	and Replace with HMA Overlay	\$4,015,000		\$231,000	\$1,000	\$283,000	\$3,500,000	2018/19	N	STP	SCL	130	2.3	9	\$1 Job	13.4

2017/18 Highway Maintenance Federal Projects

District	Agency	EAS	Project ID #	MPO	Project Location	Project Description	Total Project Cost	Other/Local Funds	Funds to be Programmed for PE Support Costs	Funds to be Programmed in RW Support costs	Funds to be Programmed in Construction Support Costs	Latest Estimated Construction Capital Value in Contract	FTIP Program Year	National Highway System (V/N)	Fund Source	County	Route	Back Post Mile	Ahead Post Mile	FF/\$1 Job	Lane-Miles
04	Caltrans	04-0P6801	0417000503	MTC	IN SOLANO COUNTY, IN VALLEJO, FROM 0.1 MILE EAST OF CAROLINEZ BRIDGE TOLL PLAZA TO 0.4 MILE WEST OF REDWOOD STREET OVERCROSSING	Maintenance Asphalt Overlay	\$7,875,000		\$1,067,000	\$1,000	\$1,305,000	\$5,500,000	2017/18	Y	NHS	SOL	80	0.6	4	\$1	23.4
04	Caltrans	04-0P6501	0417000500	MTC	IN SAN MATEO COUNTY, ON ROUTE 92, NEAR SAN MATEO, FROM PILARCITOS CREEK ROAD TO ROUTE 280/92	Maintenance Asphalt Overlay	\$5,154,000		\$699,000	\$1,000	\$654,000	\$3,600,000	2017/18	N	STP	SM	92	R3.2	R7.3	FF	10.7
04	Caltrans	04-3K6301	0417000188	MTC	IN SAN MATEO COUNTY NEAR SAN MATEO ON ROUTE 35 FROM 2 MILES SOUTH OF SOUTH JUNCTION ROUTE 92 TO ROUTE 92 AND IN MENLO PARK ON ROUTE 109 FROM NOTRE DAME AVENUE TO ROUTE 84	Maintenance Asphalt Overlay	\$2,123,000		\$160,000	\$1,000	\$232,000	\$960,000	2017/18	Y	NHS	SM	35	21.0	23	FF	4
04	Caltrans	04-3K6301	0417000188	MTC		Maintenance Asphalt Overlay						\$720,000	2017/18	Y	NHS	SM	109	1.1	1.8	FF	3

2016/17 Highway Maintenance Federal Projects

District	Agency	EAS	Project ID #	MPO	* Project Location	Project Description	Total Project Cost	Other/Local Funds	Funds to be Programmed for PE Support Costs	Funds to be Programmed in Construction Support Costs	Latest Estimated Contract Value in Contract	FTIP Program Year	National Highway System (Y/N)	Fund Source	County	Routes	Back Post Miles	Ahead Post Miles	FF\$1 Job	Lane-Miles
04	Caltrans	04-1K0401	0416000182	MTC	In Santa Clara County, in San Jose from West Julian Street Undercrossing to Route 87/890.	Maintenance Asphalt Overlay	\$3,359,000		\$420,000	\$438,000	\$2,500,000	2016/17	Y	NHS	SCL	87	6.1	7.51	FF	9
04	Caltrans	04-1K1001	0416000188	MTC	In Solano County on Route 12 in Fairfield and Suisun City from 0.1 mile west of Chadbourne Road to 0.4 mile east of Walters Road.	Maintenance Asphalt Overlay	\$6,579,000		\$773,000	\$805,000	\$5,000,000	2016/17	Y	NHS	SOL	12	L2.1	7.9	FF	23
04	Caltrans	04-2K1301	0416000366	MTC	In Alameda County, in Oakland, From Route 580/24 Separation to Golden Gate Avenue Undercrossing	Maintenance Asphalt Overlay	\$5,116,000		\$790,000	\$825,000	\$3,500,000	2016/17	Y	NHS	ALA	24	R1 B	R4.5	\$1	24

**GL: Pavement Resurfacing/Rehabilitation –
SHOPP Roadway Preservation
(TIP ID – VAR170006)**

Last updated with TIP Revision 2019-24

FTIP BACK-UP LIST FOR SHOPP - ROADWAY PRESERVATION PROJECTS (VAR170006)

FOR 2018/2022 PROGRAM YEARS

All amounts in \$,000

Dist	Co	Rte	PM	Location/Description	PPNO	EA	Prog Code	Com FY	Prior	18/19	19/20	20/21	21/22	PAED	PSE	RW SUP	CON SUP	RW	CON	TOTAL	
04	SHOPP - SF	101	6.7/8.1	In the City and County of San Francisco, from Van Ness Avenue to Lyon Street. Rehabilitation pavement.	0480T	3E602	201.121	17/18	\$5,261	\$0	\$0	\$0	\$0							\$5,261	
04	ALA	580	0.0/7.8	Near Livermore, from San Joaquin county line to east of Greenville to Midway Road undercrossing. Environmental mitigation for EA 3G590. Rehabilitation pavement.	8315X	3G59C	201.122	18/19	\$150	\$2,100	\$0	\$0	\$0	\$0	\$0	\$150	\$0	\$2,100	\$0	\$2,250	
04	SCL	82	9.8/10.4	In the cities of San Jose and Santa Clara, from McKendrie Street to north of Chapman Court. Pavement rehabilitation, Americans with Disabilities Act (ADA) upgrades, and installation of High-intensity Activated crossWalk (HAAC) systems.	1490Q	4J282	201.121	18/19	\$0	\$5,467	\$0	\$0	\$0	\$0	\$0	\$603	\$180	\$623	\$180	\$3,711	\$5,497
04	SF	1	6.3/6.6	In the City and County of San Francisco, from north of Lake Street to south of Route 101 at the McArthur Tunnel. Replace existing lighting system with LED lighting system.	1490A	3J300	201.170	18/19	\$685	\$5,561	\$0	\$0	\$0	\$0	\$220	\$440	\$25	\$650	\$5	\$4,706	\$6,246
04	SON	101	29.3/54.3	In and near Windsor, Healdsburg, and Cloverdale, from Old Redwood Highway to 2.0 miles south of Mendocino County line. Roadway rehabilitation.	1482F	0J642	201.122	18/19	\$12,118	\$76,690	\$0	\$0	\$0	\$0	\$5,149	\$6,798	\$170	\$7,600	\$890	\$68,200	\$88,808
04	ALA	680	12.4/21.9	In and near Pleasanton and Dublin, from north of Route 84 to Alcolosa Boulevard. Roadway rehabilitation. (G13 Contingency)	0481P	0J620	201.122	19/20	\$7,150	\$8,650	\$75	\$0	\$0	\$0	\$7,150	\$7,150	\$0	\$75	\$0	\$15,875	
04	CC	242	0.0/1.6	In Concord, from Route 680 to 0.1 mile north of Concord Avenue. Pavement rehabilitation in northbound direction.	0269H	26980	201.121	19/20	\$990	\$1,320	\$13,219	\$0	\$0	\$0	\$990	\$1,210	\$110	\$1,430	\$15	\$11,774	\$15,529
04	SCL	152	7.6/10.2	In Galtrey, from 0.3 miles west of Santa Teresa Boulevard to Route 101. Rehabilitation pavement.	1452D	2K750	201.121	19/20	\$3,058	\$0	\$15,090	\$0	\$0	\$0	\$1,400	\$1,600	\$58	\$1,800	\$125	\$14,165	\$19,148
04	SCL	17	2.8/13.9	In and near Los Gatos, Campbell and San Jose, from Hebard Way to Route 280. Pavement rehabilitation.	1480B	1J970	201.121	19/20	\$1,750	\$2,900	\$59,156	\$0	\$0	\$0	\$1,750	\$2,750	\$150	\$5,900	\$56	\$53,200	\$63,806
04	SM	1	0.0/10.6	Near Pescadero, from Santa Cruz County line to south of Bean Hollow Road. Pavement rehabilitation.	0622B	0C930	201.121	19/20	\$1,403	\$1,127	\$12,762	\$0	\$0	\$0	\$1,403	\$1,081	\$46	\$1,081	\$10	\$11,871	\$15,292
04	SM	101	16.5/23.0	In the cities of Burlingame, Millbrae, San Bruno and South San Francisco, from Broadway to Oyster Point Boulevard. Pavement rehabilitation at onramps and offramps within project limits and 1.2 miles of mainline, and upgrade curb ramps.	1487J	3J062	201.121	19/20	\$2,530	\$0	\$11,642	\$0	\$0	\$0	\$1,056	\$1,342	\$132	\$1,085	\$100	\$10,457	\$14,172
04	SM	101	16.5/21.8	In the cities of Burlingame, Millbrae, San Bruno and South San Francisco, from Broadway to 0.1 mile north of South Airport Boulevard. Pavement rehabilitation.	1487S	3J061	201.121	19/20	\$0	\$0	\$25,543	\$0	\$0	\$0	\$0	\$0	\$0	\$543	\$0	\$28,000	\$28,543
04	SON	12	35.1/38.9	In and near Sonoma, from Vallejo Avenue to east of Leveroni Road/Napa Road. Pavement rehabilitation.	0488K	1J980	201.121	19/20	\$1,740	\$0	\$1,704	\$0	\$0	\$0	\$808	\$870	\$62	\$656	\$5	\$6,843	\$9,444
04	ALA	61	19.8/21.2	In the city of Alameda, from Broadway/Encinal Avenue to Sherman Street. Pavement rehabilitation, upgrade Americans with Disabilities Act (ADA) curb ramps, and improve crosswalks.	1452J	2K710	201.121	20/21	\$1,220	\$0	\$1,222	\$6,379	\$0	\$0	\$1,220	\$1,200	\$22	\$1,500	\$5	\$4,874	\$6,821
04	NAP	29	29.3/36.9	In and near St. Helena and Calistoga, from York Creek Bridge to Route 128. Pavement rehabilitation.	1490D	4J300	201.121	20/21	\$900	\$0	\$1,144	\$10,767	\$0	\$0	\$900	\$1,100	\$44	\$1,100	\$20	\$9,647	\$12,811
04	ALA	84	6.9/10.8	In Fremont, from Route 880 (PM 6.9/22) to Route 238. Rehabilitation pavement and upgrade curb ramps to make Americans with Disabilities Act (ADA) compliant.	1454C	2K690	201.121	21/22	\$0	\$2,083	\$3,120	\$0	\$15,127	\$0	\$2,080	\$2,340	\$780	\$2,080	\$173	\$12,874	\$20,327
04	ALA	185	0.4/5.7	In and near Hayward and San Leandro, from A Street to Davis Street. Rehabilitation pavement and upgrade curb ramps to Americans with Disabilities Act (ADA) Standards.	1494C	0K490	201.121	21/22	\$0	\$1,417	\$2,093	\$375	\$17,373	\$1,417	\$2,093	\$375	\$2,405	\$40	\$14,928	\$21,268	
04	ALA	880	0.0/11.8	In Fremont, from Santa Clara County line to north of Fremont Boulevard Overcrossing. Cold plane pavement, overlay with Rubberized Hot Mix Asphalt (RHMA-G) and Open Graded Friction Course (OGFC), upgrade Americans with Disabilities Act (ADA) curb ramps, upgrade metal beam guardrail, and replace loop detectors.	1454G	2K700	201.121	21/22	\$0	\$3,000	\$5,620	\$0	\$62,616	\$3,000	\$5,000	\$620	\$5,400	\$50	\$57,166	\$71,236	
04	CC	4	14.3/24.3	In and near Concord and Pittsburg, from Route 242 to Lovelidge Road. Rehabilitation pavement, upgrade curb ramps to make Americans with Disabilities Act (ADA) compliant and upgrade guardrail to make standard.	1462R	2K720	201.121	21/22	\$0	\$2,720	\$0	\$7,180	\$83,664	\$2,720	\$6,400	\$780	\$6,320	\$93	\$55,281	\$73,594	
04	MRN	1	22.8/33.0	Near Point Reyes Station and Olema, from Olema Creek Bridge to north of Cypress Road; also near Tomales from south of Tomales-Petaluma Road to south of Valley Ford Road (PM 45.0/50.5). Pavement rehabilitation, improve drainage, and upgrade Americans with Disabilities Act (ADA) facilities.	1480A	1J960	201.121	21/22	\$1,320	\$0	\$0	\$2,850	\$27,662	\$1,320	\$2,500	\$350	\$2,300	\$817	\$24,545	\$31,832	
04	NAP	29	1.7/5.1	In American Canyon, at Rio Del Mar, also near American Canyon at 0.3 mile south of North Kelly Road (PM 5.1). Rehabilitation culverts.	1453K	4J410	201.151	21/22	\$1,086	\$0	\$0	\$1,136	\$4,336	\$1,086	\$788	\$350	\$706	\$294	\$3,396	\$6,558	
04	SCL	82	19.2/26.4	In Mountain View, Los Altos, and Palo Alto, from 0.05 mile north of Route 237 to Sand Hill Road. Pavement rehabilitation.	1488F	4J890	201.121	21/22	\$0	\$886	\$2,073	\$888	\$25,219	\$888	\$1,974	\$89	\$1,974	\$360	\$22,885	\$28,180	
04	SCL	87	0.0/6.1	In San Jose, from Route 85 to West Julian Street. Roadway rehabilitation.	1492C	4J910	201.122	21/22	\$2,767	\$0	\$0	\$4,475	\$62,148	\$2,767	\$4,425	\$50	\$6,581	\$304	\$55,263	\$69,390	
04	SM	84	21.5/25.7	In and near Woodside and Redwood City, from Route 280 to Route 101. Rehabilitation pavement, make curb ramps and sidewalks Americans with Disabilities Act (ADA) compliant, and upgrade guardrails to make standard.	1497A	0K780	201.121	21/22	\$0	\$2,340	\$2,899	\$0	\$21,911	\$2,340	\$2,860	\$59	\$3,120	\$666	\$18,225	\$27,150	

FTIP BACK-UP LIST FOR SHOPP - ROADWAY PRESERVATION PROJECTS (VAR170006)
 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	SM	280	6.7/10.5	Near Redwood City, San Carlos and Belmont, from Edgewood Road to Route 92 and near Hillsborough at PM R12.7; also in Santa Clara County in and near Mountain View and Palo Alto, at various spot locations (PM 11.6, 12.8, 12.9, 18.8). Replace failing culverts and restore damaged slopes, pavement, and bridge approaches at six locations.	0752J	2A970	201.151	21/22	\$0	\$1,800	\$2,280	\$0	\$19,417	\$1,800	\$2,000	\$260	\$3,000	\$13	\$16,404	\$23,477	
04	SON	12	11.0/17.4	In and near Santa Rosa, from Llano Road to Farmers Lane. Rehabilitate pavement, upgrade guardrail to make standard and upgrade curb ramps to make Americans with Disabilities Act (ADA) compliant.	1483M	0K520	201.121	21/22	\$0	\$2,084	\$2,966	\$0	\$31,311	\$2,084	\$2,900	\$66	\$3,350	\$280	\$27,681	\$36,361	
04	SON	1	30.8/40.6	Near Jenner, from south of Fort Ross Road to north of Moon Rock Campground at various locations. Rehabilitate drainage culverts.	1453J	1K730	201.151	21/22	\$744	\$0	\$0	\$1,798	\$5,962	\$744	\$1,369	\$429	\$1,385	\$321	\$4,256	\$8,504	
04	SON	1	41.5/54.6	Near Gualala, from north of Moon Rock Campground to 0.1 mile north of Vantage Road. Rehabilitate drainage culverts.	1462M	1K750	201.151	21/22	\$1,050	\$0	\$0	\$1,857	\$6,183	\$1,050	\$1,571	\$286	\$1,040	\$382	\$4,761	\$9,090	
04	CC	80	10.1/13.5	In and near Hercules, Rodeo, and Crocket, from Route 4 to the Carquinez Bridge. Roadway rehabilitation. (G13 Contingency)	1487E	3J070	201.122	21/22	\$3,083	\$0	\$4,830	\$0	\$28	\$3,083	\$4,624	\$206	\$0	\$28	\$0	\$7,941	
04	SM	82	12.3/15.8	In the cities of San Mateo and Burlingame, from East Santa Inez Avenue to Murchison Drive. Rehabilitate roadway, improve drainage, and upgrade existing curb ramps and sidewalks to Americans with Disabilities Act (ADA) Standards. (Long Lead Project)	1486J	0K810	201.120	21/22	\$8,181	\$0	\$0	\$0	\$0	\$8,181	\$0	\$0	\$0	\$0	\$0	\$8,181	
04	SOL	12	20.6/26.4	In and near Rio Vista, from Currie Road to Sacramento County line. Roadway rehabilitation. (G13 Contingency)	0480P	0J630	201.120	21/22	\$5,780	\$0	\$6,670	\$0	\$2,983	\$5,780	\$5,780	\$2,890	\$0	\$2,983	\$0	\$17,433	
					SHOPP - Roadway NEW REQUESTED TOTAL					\$62,966	\$119,286	\$184,903	\$38,890	\$365,970	\$62,386	\$72,767	\$10,229	\$66,229	\$10,290	\$544,853	\$772,015
					SHOPP - Roadway PROGRAMMED TOTAL					\$62,890	\$173,571	\$184,903	\$38,890	\$365,970	\$64,239	\$76,051	\$10,277	\$72,890	\$10,340	\$592,427	\$826,224
					SHOPP - Roadway DIFFERENCE TOTAL					\$ -76	\$ (54,285)	\$ -	\$ -	\$ -	\$ (1,853)	\$ (3,284)	\$ (48)	\$ (6,661)	\$ (50)	\$ (47,574)	\$ (54,209)

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

Last updated with TIP Revision 2019-24

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
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	Intra Co	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	3G54A	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 Alamos Hills at Arasiradero 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	\$56	\$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	\$42,650
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. □	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		ACCELERATED BRIDGE Near Livermore, near Greenville Road at Greenville Overhead Bridge No. 33-0121R. Rehabilitate westbound structure.	0480J	0J520	201.110	19/20	\$1,500	\$120	\$0	\$0	\$0	\$600	\$900	\$120	\$1,000	\$140	\$5,979	\$8,739
04	ALA	580		ACCELERATED BRIDGE 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. □	1452H	2K630	201.322	19/20	\$3,380	\$0	\$0	\$0	\$0	\$3,380	\$0	\$0	\$0	\$0	\$0	\$3,380
04	ALA	80		ACCELERATED BRIDGE (PA&E Only) In Oakland, at the Routes 80/580/680 MacArthur Maze Bridge No. 33-0061R, 33-0061L, 33-0061L and 33-0061L. Establish standard vertical clearance. □	1460R	4K610	201.322	19/20	\$6,600	\$0	\$0	\$0	\$0	\$6,600	\$0	\$0	\$0	\$0	\$0	\$6,600
04	CC	580		ACCELERATED BRIDGE (PA&E Only) In Richmond, at Stage 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

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
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), Garnett 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	\$13,441	\$0	\$0	\$1,800	\$2,250	\$30	\$2,700	\$30	\$10,711	\$17,521
04	SCL	Var		In various cities, on various routes at Saratoga Creek Bridge, Carmadero 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	\$3,001	\$0	\$0	\$900	\$750	\$44	\$600	\$10	\$2,391	\$4,695
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. 23-0084/L/R and Horse Creek Bridge No. 23-0077/L. 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	MIRN	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 1C430.	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

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	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	\$27.5	\$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	\$11,382	\$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	\$5,884	\$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 off-ramp 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
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. 35-0009LR (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. 35-0217LR (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 Pilaritos Creek Bridge No. 35-0139LR; 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

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	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 clearing 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										\$150,977	\$192,006	\$45,734	\$148,933	\$77,214	\$80,569	\$11,311	\$75,341	\$42,548	\$365,114	\$710,096	
SHOPP - Bridge PROGRAMMED TOTAL										\$150,977	\$169,328	\$45,734	\$148,933	\$77,214	\$78,587	\$11,264	\$70,904	\$41,676	\$349,774	\$687,418	
SHOPP - Bridge DIFFERENCE TOTAL										\$ -	\$ 22,678	\$ -	\$ -	\$ -	\$ 1,982	\$ 47	\$ 4,437	\$ 872	\$ 15,340	\$ 22,678	

