

2019 Transportation Improvement Program (TIP)

For the Nine-County San Francisco Bay Area

September 26, 2018

MTC Resolution No. 4375

Volume I Overview and Project Listings

MTC Project Staff

Anne Richman
Director, Programming and Allocations

Ross McKeown
Fund Manager

Adam Crenshaw
Project Manager

Programming and Allocations Staff

Mallory Atkinson

Karl Anderson

Kenny Kao

Theresa Romell

Glen Tepke

Peg Yamada



Draft 2019 TIP Contents

Page
Number

Section 1, Volume I

Transportation Improvement Program (TIP)

TIP Overview	S1 - 1
Transportation Planning and Programming	S1 - 2
Draft 2019 TIP: Features and Highlights	S1 - 6
TIP at-a-glance	S1 - 10
Draft 2019 TIP: Investment Decisions	S1 - 15
Projects in the 2019 TIP Over \$200 Million	S1 - 20
Grouped Listings Over \$200 Million	S1 - 23
Map of Financially Significant Projects.....	S1 - 24
Project Selection and Programming	S1 - 26
Project Delivery	S1 - 29
Public & Interagency Involvement	S1 - 31
TIP Revisions	S1 - 34
Financial Constraint	S1 - 35
Fund Sources Programmed in the TIP	S1 - 37
How to Read the Project Listings	S1 - 47
The TIP Online	S1 - 52
Contacts for Questions About the TIP	S1 - 53



Draft 2019 TIP Contents (cont.)

Page
Number

Section 2, Volume I

Transit Financial Capacity Assessment.....	S2 - 1
--	--------

Section 3, Volume I

County Summaries.....	S3 - 1
-----------------------	--------

Section 4, Volume I

Transit Project Listings

Alameda Contra Costa Transit District (AC Transit).....	S4 - 1
Bay Area Rapid Transit District (BART).....	S4 - 7
Caltrain (Peninsula Corridor Joint Powers Board).....	S4 - 15
Golden Gate Bridge, Highway and Transportation District.....	S4 - 19
San Francisco Municipal Transportation Agency.....	S4 - 23
San Mateo County Transit District (SamTrans).....	S4 - 31
Santa Clara Valley Transportation Authority (VTA).....	S4 - 33
Various Agencies.....	S4 - 41

Roadway Project Listings

Alameda County.....	S4 - 73
Contra Costa County.....	S4 - 101
Marin County.....	S4 - 125
Napa County.....	S4 - 137
San Francisco City and County.....	S4 - 145
San Mateo County.....	S4 - 153
Santa Clara County.....	S4 - 175
Solano County.....	S4 - 201
Sonoma County.....	S4 - 211
Various County.....	S4 - 223
Multiple Counties.....	S4 - 231
Regional Projects.....	S4 - 235
Tollway Projects.....	S4 - 239

Index of Transit and Roadway Project Listings – Sorted by Project Name
– Sorted by TIP ID
– Sorted by Project Sponsor



2019 Transportation Improvement Program (TIP)

For the Nine-County San Francisco Bay Area

September 26, 2018

MTC Resolution No. 4375

Volume II Appendices A-1 through A-35

and

Volume III – Appendices A-36 through A-63

MTC Project Staff

Anne Richman
Director, Programming and Allocations

Ross McKeown
Fund Manager

Adam Crenshaw
Project Manager

Programming and Allocations Staff

Mallory Atkinson

Karl Anderson

Kenny Kao

Theresa Romell

Glen Tepke

Peg Yamada



2019 TIP Contents

Appendix
Number

Volume II – Appendices A-1 thru A-35
Volume III – Appendices A-36 thru A-63

Adoption of the 2019 TIP MTC Resolution No. 4375	A-1
A Guide to the San Francisco Bay Area’s Transportation Improvement Program, or TIP	A-2
2019 TIP Investment Analysis	A-3
2019 TIP Performance Analysis	A-4
Air Quality Conformity Analysis MTC Resolution No. 4374	A-5
Regional Policies: Long-Range Planning/Plan Bay Area	
MTC Public Participation Plan for the San Francisco Bay Area MTC Resolution No. 4174.....	A-6
Equity Analysis Report.....	A-7
Performance Assessment Report	A-8
Coordinated Public Transit-Human Services Transportation Plan MTC Resolution No. 4310.....	A-9
Regional Transit Expansion Program MTC Resolution No. 3434.....	A-10
MTC’s Regional Policy for Accommodation of Bicycle and Pedestrian Facilities During Transportation Project Planning, Design, Funding and Construction MTC Resolution No. 3765.....	A-11
Transit Sustainability Project MTC Resolution No. 4060.....	A-12
MTC’s Transit Coordination Implementation Plan MTC Resolution No. 3866.....	A-13
Project Review Criteria and Procedures MTC Resolution No. 3115.....	A-14



2019 TIP Contents

Appendix
Number

Regional Policies: Project Funding and Specific Funding Programs

Project Selection Criteria, Policies and Programming for the Surface Transportation Authorization Act, following the Safe, Accountable, Flexible and Efficient Transportation Equity Act (SAFETEA), and any extensions of SAFETEA in the interim, for the Cycle 2 Surface Transportation Program (STP) and Congestion Mitigation and Air Quality Improvement (CMAQ) Program MTC Resolution No. 4035.....	A-15
Project Selection Policies and Project Programming for the Second Round of the One Bay Area Grant Program (OBAG2) MTC Resolution No. 4202.....	A-16
Policies, Procedures and Project Selection Criteria and Program of Projects for the 2018 Regional Transportation Improvement Program (RTIP) for the San Francisco Bay Area MTC Resolution No. 4308.....	A-17
Active Transportation Program (ATP) Cycle 3 Regional Program Guidelines and Program of Projects MTC Resolution No. 4218.....	A-18
Active Transportation Program (ATP) Cycle 4 Regional Program Guidelines and Program of Projects MTC Resolution No. 4324.....	A-19
San Francisco Bay Area Transit Capital Priorities (FTA Sections 5307, 5337 and 5339) Process and Criteria for FY 2016-17 thru FY 2019-20 MTC Resolution No. 4242.....	A-20
San Francisco Bay Area Transit Capital Priorities (FTA Sections 5307, 5337 and 5339) Program of Projects for FY 2016-17 thru FY 2019-20 MTC Resolution No. 4272.....	A-21
AB 664 Net Bridge Toll Revenues Program of Projects for FY 2016-17 through FY 2019-20 MTC Resolution No. 4262.....	A-22
BATA Project Savings Program of Projects and Allocation of Funds MTC Resolution No. 4169.....	A-23
FTA Enhanced Mobility for Seniors and Individuals with Disabilities Program Guidelines (Section 5310) for FY 2014-15 thru FY 2016-17 MTC Resolution No. 4266.....	A-24
FTA Enhanced Mobility for Seniors and Individuals with Disabilities Program of Projects (Section 5310) for FY 2014-15 thru FY 2016-17 MTC Resolution No. 4269.....	A-25

2019 TIP Contents

*Appendix
Number*

FTA Nonurbanized Area Formula (Section 5311) Program Funding Objectives and Criteria for the San Francisco Bay Area MTC Resolution No. 4036.....	A-26
FTA Nonurbanized Area Formula (Section 5311) Program of Projects for FY 2013-14 and FY 2014-15 MTC Resolution No. 4125.....	A-27
FTA Nonurbanized Area Formula (Section 5311) Program of Projects for FY 2015-16 and FY 2016-17 MTC Resolution No. 4216.....	A-28
FTA Rural Area Formula (Section 5311) Program of Projects for FY 2017-18 MTC Resolution No. 4292.....	A-29
MTC's Job Access and Reverse Commute (JARC) and New Freedom Program Management Plan for the large urbanized areas of the San Francisco Bay Area MTC Resolution No. 3986.....	A-30
MTC's Lifeline Transportation Cycle 5 Program Guidelines for FY 2016-17 and FY 2017-18 MTC Resolution No. 4309.....	A-31
MTC's Lifeline Transportation Cycle 5 Program of Projects for FY 2016-17 and FY 2017-18 MTC Resolution No. 4337.....	A-32
Funding Framework for a High Speed Rail Early Investment Strategy for a Blended System in the Peninsula Corridor MTC Resolution No. 4056.....	A-33
Updated Funding Plan for the Peninsula Corridor Electrification Project MTC Resolution No. 4241.....	A-34
Funding Plan for Phase 1 of the BART Rail Car Replacement Program MTC Resolution No. 4126.....	A-35
Transit Core Capacity Challenge Grant Program for High-Priority Transit Capital Projects Between FY 2014-15 and FY 2029-30 MTC Resolution No. 4123.....	A-36
Policies and Procedures for the Regional Traffic Relief Plan of Regional Measure 2 (RM2) MTC Resolution No. 3636.....	A-37

2019 TIP Contents

*Appendix
Number*

Programming and Allocation Policies for the AB 664 Net Bridge Toll Revenue, RM1 Regional Rail Extension Reserve, Two Percent Bridge Toll Revenue, and Five Percent State General Fund Revenue Transit Funding Programs MTC Resolution No. 4015.....	A-38
Regional Measure 2 (RM2) Safe Routes to Transit Grant Program MTC Resolution No. 3735.....	A-39
Caltrans Toll Credit Use Policy	A-40
MTC Toll Credit Policy MTC Resolution No. 4008.....	A-41
Cap and Trade Funding Framework and Process Development Guidelines MTC Resolution No. 4130.....	A-42
Project Delivery	
Regional Project Funding Delivery Policy Guidance for FHWA-Administered Federal Funds in the San Francisco Bay Area MTC Resolution No. 3606.....	A-43
Regional Project Delivery Policy Guidance	A-44
Annual Listing of Federally Obligated Projects for Federal Fiscal Year 2016-17.....	A-45
2019 TIP Detail	
Fund Code Description	A-46
Financial Plan	A-47
Projects Being Added Into the Approved 2019 TIP	A-48
Projects Being Archived Before 2019 TIP Approval	A-49
Grouped Listings in the 2019 TIP.....	A-50
Transit Projects Compliant with Americans with Disabilities Act (ADA) Requirements	A-51
Air Quality Exempt Codes.....	A-52
TIP Revision Process and Procedures.....	A-53
San Francisco Bay Area Air Quality Conformity Protocol MTC Resolution No. 3757.....	A-54

2019 TIP Contents

*Appendix
Number*

Congestion Management Process Update.....	A-55
System Maintenance	A-56
Caltrans 2019 FTIP Development Checklist and Development Guidance	A-57
Single Line Project Listing Reports	A-58
Single Occupancy Vehicle (SOV) Project Listing	A-59
Fiscal Constraint for the 2019 TIP.....	A-60
Public Notifications	A-61
Response to Public Comments on Draft 2019 TIP	A-62
Approval Letters	A-63

2019 TIP Contents

*Appendix
Number*

This page intentionally left blank