

# APPENDIX A – 2

## A Guide to the San Francisco Bay Area's Transportation Improvement Program, or TIP







## Introduction

This guide explains how the public and interested stakeholders can get involved in the San Francisco Bay Area's transportation project development process. Specifically, the focus is on the Transportation Improvement Program or TIP, which is compiled and approved by the Metropolitan Transportation Commission. A major milestone occurs when a highway, transit or other transportation project is added to the TIP. A project may not receive federal funds or receive other critical federal project approvals unless it is included in the TIP. This guide focuses on the TIP – what it is and how the public can use it to keep informed about projects in their communities.

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## What is the Metropolitan Transportation Commission?

The Metropolitan Transportation Commission (MTC) was created by the California State Legislature in 1970 and is the transportation planning, coordinating and financing agency for the nine-county San Francisco Bay Area. MTC functions as both the region's metropolitan planning organization (MPO) – a federal designation – and, for state purposes, as the regional transportation planning agency. As such, it is responsible for regularly updating the Regional Transportation Plan (RTP), a comprehensive blueprint for the development of mass transit, highway, local streets and roads, rail, bicycle and pedestrian facilities. The RTP includes a Sustainable Communities Strategy (SCS) that integrates planning for transportation, land use and housing. The Commission screens requests from local agencies for regional, state and federal grants for transportation projects to determine their compatibility with the RTP, and coordinates the participation of governments and the general public in the planning process. MTC also functions as the Bay Area Toll Authority, the Service Authority for Freeways and Expressways, and the Bay Area Infrastructure Financing Authority.



The San Francisco Bay Area is served by seven primary public transit systems as well as over 20 other local transit operators, which together carry over 500 million passengers per year. There are nearly 20,000 miles of local streets and roads, 1,400 miles of highway, six public ports and three major commercial airports. The region includes nine counties and 101 municipalities; more than 7 million people reside within its 7,000 square miles.

The Commission is governed by a 21-member policy board. Sixteen commissioners are appointed directly by local elected officials. In addition, two members represent regional agencies – the Association of Bay Area Governments and the Bay Conservation and Development Commission. Finally, three nonvoting members represent the U.S. Department of Transportation, the California State Transportation Agency and the U.S. Department of Housing and Urban Development.



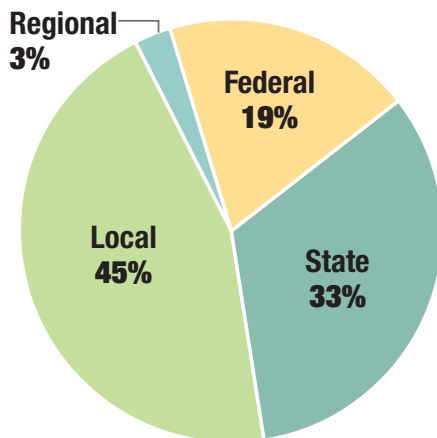




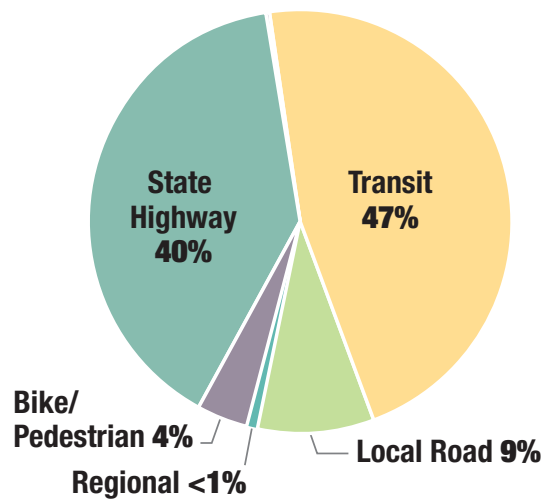
## A Summary of the 2021 TIP

**T**he Bay Area's 2021 TIP includes approximately 780 transportation projects, and a total of approximately \$10.3 billion in committed federal, state, regional and local funding over the four-year TIP period through fiscal year 2024. See the next page for a map of projects with costs greater than \$200 million.

### 2021 TIP Funds by Source



### 2021 TIP Funds by Mode



### 2021 TIP Investment Analysis: Focus on low-income and minority communities

To address the equity implications of the proposed 2021 TIP investments, MTC has conducted an investment analysis with a focus on minority and low-income residents. The key question addressed is: "Are low-income and minority populations, seniors and persons with disabilities sharing equitably in the TIP's financial investments?" To answer this question, the investment analysis uses demographic criteria to calculate the shares of 2021 TIP investments that will flow to the identified communities, and compares those shares with the proportional size of this group's population and trip-making, relative to those of the general population.

Results of the Investment Analysis of the 2021 TIP can be viewed on MTC's website at: [www.mtc.ca.gov/our-work/fund-invest/transportation-improvement-program](http://www.mtc.ca.gov/our-work/fund-invest/transportation-improvement-program)





# Projects in the 2021 TIP with Costs Greater than \$200 Million

**RED** Road Project  
**BLUE** Transit Project

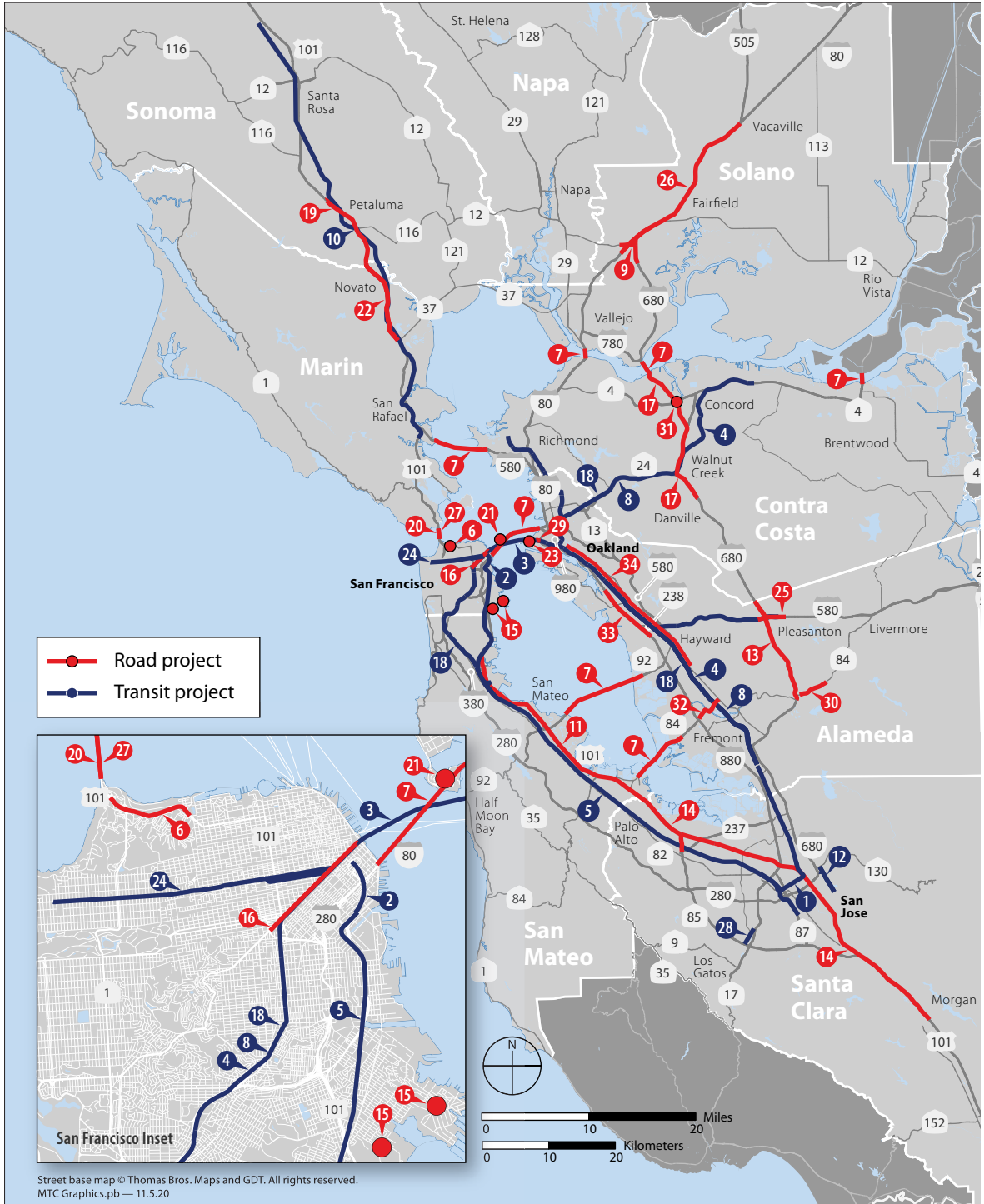
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|---|--|---|
| <p>1 <b>BART to Silicon Valley Phase II</b><br/>Santa Clara County<br/><b>\$4.78 billion</b></p> <p>2 <b>Caltrain - San Francisco Downtown Extension</b><br/>San Francisco County<br/><b>\$4.25 billion</b></p> <p>3 <b>BART - Transbay Core Capacity Improvements</b><br/>Alameda, Contra Costa, San Francisco, and San Mateo Counties<br/><b>\$3.51 billion</b></p> <p>4 <b>BART - Railcar Procurement Program</b><br/>Alameda, Contra Costa, San Francisco, and San Mateo Counties<br/><b>\$2.73 billion</b></p> <p>5 <b>Caltrain - Electrification and Expansion Vehicle Procurement</b><br/>San Francisco, San Mateo and Santa Clara Counties<br/><b>\$2.18 billion</b></p> <p>6 <b>US-101 - Doyle Drive Availability Payments</b><br/>San Francisco County<br/><b>\$1.12 billion</b></p> <p>7 <b>BATA - Toll Bridge Rehabilitation Program</b><br/>Multiple Counties<br/><b>\$1.11 billion</b></p> <p>8 <b>BART - Preventive Maintenance</b><br/>Alameda, Contra Costa, San Francisco, and San Mateo Counties<br/><b>\$674 million</b></p> <p>9 <b>I-80/I-680/SR-12 - Interchange Improvements</b><br/>Solano County<br/><b>\$661 million</b></p> <p>10 <b>SMART - Initial Operating Segment and Extensions</b><br/>Sonoma and Marin Counties<br/><b>\$641 million</b></p> <p>11 <b>US-101 - Managed Lanes from Santa Clara Co. Line to South of Grand Ave</b><br/>San Mateo County<br/><b>\$515 million</b></p> <p>12 <b>VTA - Capitol Expressway Light Rail Extension to Eastridge Phase II</b><br/>Santa Clara County<br/><b>\$510 million</b></p> <p>13 <b>I-680 Express Lane Gap Closure: SR-84 to Alcosta</b><br/>Alameda County<br/><b>\$480 million</b></p> <p>14 <b>US-101 - Santa Clara County Express Lanes</b><br/>Santa Clara County<br/><b>\$466 million</b></p> <p>15 <b>SF - Hunters Point Shipyard and Candlestick Point Transportation Improvements</b><br/>San Francisco County<br/><b>\$421 million</b></p> | <p>16 <b>SF - Better Market Street Transportation Elements</b><br/>San Francisco County<br/><b>\$415 million</b></p> <p>17 <b>I-680 - Central Contra Costa County Express Lanes</b><br/>Contra Costa County<br/><b>\$390 million</b></p> <p>18 <b>BART - COVID-19 Emergency Transit Operations</b><br/>Alameda County<br/><b>\$377 million</b></p> <p>19 <b>US-101 - Marin-Sonoma Narrows HOV Lane (Sonoma)</b><br/>Sonoma County<br/><b>\$374 million</b></p> <p>20 <b>Golden Gate Bridge - Seismic Retrofit</b><br/>Marin and San Francisco Counties<br/><b>\$373 million</b></p> <p>21 <b>SF - Yerba Buena Island (YBI) Ramp Improvements</b><br/>San Francisco County<br/><b>\$371 million</b></p> <p>22 <b>US-101 - Marin-Sonoma Narrows HOV Lane (Marin)</b><br/>Marin County<br/><b>\$353 million</b></p> <p>23 <b>Oakland - Army Base Infrastructure Improvements</b><br/>Alameda County<br/><b>\$301 million</b></p> <p>24 <b>SFMTA - Geary Bus Rapid Transit</b><br/>San Francisco County<br/><b>\$300 million</b></p> <p>25 <b>I-580/I-680 Interchange - Widening for Managed Lanes</b><br/>Alameda County<br/><b>\$300 million</b></p> <p>26 <b>I-80 - Fairfield to Vacaville Express Lanes</b><br/>Solano County<br/><b>\$262 million</b></p> <p>27 <b>Golden Gate Bridge - Suicide Deterrent System</b><br/>Marin and San Francisco Counties<br/><b>\$257 million</b></p> <p>28 <b>VTA - Light Rail Extension to Vasona Junction and Double Tracking</b><br/>Santa Clara County<br/><b>\$256 million</b></p> <p>29 <b>Oakland - 7th Street Grade Separation - East</b><br/>Alameda County<br/><b>\$252 million</b></p> <p>30 <b>SR-84 - Ruby Hill Dr to I-680 Widening</b><br/>Alameda County<br/><b>\$244 million</b></p> | <p>31 <b>I-680/SR-4 Interchange Reconstruction</b><br/>Contra Costa County<br/><b>\$236 million</b></p> <p>32 <b>Fremont &amp; Union City - New East-West Connector from I-880 to SR-238</b><br/>Alameda County<br/><b>\$236 million</b></p> <p>33 <b>I-880 - Hacienda to Hegenberger Northbound HOV/Express Lanes</b><br/>Alameda County<br/><b>\$221 million</b></p> <p>34 <b>East Bay Greenway</b><br/>Alameda County<br/><b>\$204 million</b></p> |
|---|--|---|

## NOT MAPPED

- A **MTC - Financing Repayment for Transit Capital Priorities**  
Multiple Counties  
**\$1.54 billion**
- B **SFMTA - Additional Light Rail Vehicles**  
San Francisco County  
**\$1.13 billion**
- C **SFMTA - COVID-19 Emergency Transit Operations**  
San Francisco County  
**\$374 million**
- D **SFMTA - Rail Replacement Program**  
San Francisco County  
**\$290 million**
- E **MTC - Clipper® 2.0 Fare Payment System**  
Multiple Counties  
**\$249 million**
- F **SFMTA - Overhead Line Reconditioning and Traction Power Program**  
San Francisco County  
**\$218 million**
- G **SFMTA - Train Control & Trolley Signal Rehabilitation/Replacement**  
San Francisco County  
**\$210 million**

NOTE: Excludes projects with no funding programmed after 2020.

# Projects in the 2021 TIP with Costs Greater than \$200 Million



## Federal Performance Report: Assessment of 2021 TIP Investments In Addressing Federally-Mandated Performance Measures

The Moving Ahead for Progress in the 21st Century Act (2012), also known as MAP-21, established several performance management requirements for state departments of transportation (DOTs), metropolitan planning organizations (MPOs), and transit agencies. A performance-based approach to transportation planning and programming intends to ensure the most efficient investment of transportation funds, support improved investment decision-making, and increase accountability and transparency. For all federally-required targets, MTC must show that the TIP “makes progress towards achieving the performance targets” and that the TIP includes, “to the maximum extent practicable, a description of the anticipated effect of the TIP towards achieving the performance targets”. The Federal Performance Report can be viewed on MTC’s website at: [www.mtc.ca.gov/our-work/fund-invest/transportation-improvement-program](http://www.mtc.ca.gov/our-work/fund-invest/transportation-improvement-program).

## How does the TIP relate to the long-range regional transportation plan?

**R**egionally significant projects must be first identified in the long-range regional transportation plan (RTP), and projects in the TIP must help implement the goals of the plan. This long-range plan is required by federal law and is a blueprint for transportation investment decisions over a 24- to 30-year horizon. The current plan is titled “Plan Bay Area 2040.” The RTP establishes policies and priorities to address mobility, congestion, air quality and other transportation goals. The Draft 2021 TIP translates recommendations from the RTP into a short-term (four-year) program of improvements focused on projects that have a federal interest. Therefore, the earlier (and more effective) timeframe for public comment on the merits of a particular transportation project is during the development of the long-range RTP.







## How does a project get in the TIP?

**O**ften years of planning and public input precede a project's inclusion in the TIP. Although there are several ways in which a project can get in the TIP, the most typical course is described here. *The chart on the next page shows where the TIP lies on the path to completion of a project.*

First, a particular transportation need is identified. In many cases, planners and engineers generate lists of potential improvements based on their needs analyses and public inquiries. The local proposals are in turn reviewed by a city, county, transportation authority, transit operator or state agency. If the public agency agrees that a particular idea has merit, it may decide to act as the project sponsor; work toward refining the initial idea; develop a clear project cost, scope and schedule; and subsequently seek funding for the project.

Once local agencies develop their list of projects and priorities, they are submitted to MTC for consideration to include in the regional transportation plan. Even if a project is fully funded with local funds, if it is a major project it must still align with the regional plan's goals in order to be included in the plan. Many project sponsors will request funding for their projects that is subject to MTC approval. MTC must balance competing needs and assure that the most critical investment priorities are being addressed within the limits of available funds and that there is consistency among projects and with the region's goals as embodied by the regional transportation plan.

When federal and state discretionary funding becomes available to the region, MTC, guided by the long-range plan in consultation with transportation stakeholders, develops a transportation program for those funds. This involves deciding on criteria for project selection and setting funding levels per project. Depending on the program, projects may be proposed by either MTC; the Bay Area Air Quality Management District; or a county congestion management agency, transit operator, city, county or special district.



## Follow a Transportation Project From Idea to

### New Project Ideas and Local Review

### MTC's Long-Term Regional Transportation Plan

#### Idea

An idea for a project starts when a transportation need is identified and a new idea is put forward. The idea can surface in any number of ways – from you, a private business, a community group or a government agency.

#### Local Review

The project idea must be adopted by a formal sponsor – usually a public agency – that may refine the initial idea and develop details for the project. To move forward, the project must be approved by local authorities such as a city council, county board of supervisors or transit agency.

To be eligible for certain regional, state and federal funds, projects must be cleared through the county congestion management agency (CMA) and become part of the Regional Transportation Plan.

#### The Regional Transportation Plan (RTP)/ Sustainable Communities Strategy (SCS)

Every four years MTC updates the Regional Transportation Plan (RTP), looking forward two to three decades. The plan identifies policies, programs and transportation investments to support the long-term vision for the Bay Area.

The RTP also must identify anticipated funding sources. The RTP can include only those projects and programs that can be funded with revenues reasonably expected to be available during the plan's timeframe. Projects identified in the RTP are generally drawn from the planning efforts of MTC, Association of Bay Area Governments (ABAG), county congestion management agencies, transit agencies and local governments.

State legislation now requires that regional transportation plans incorporate a Sustainable Communities Strategy (SCS) – provisions for reducing greenhouse gas emissions from cars and light trucks by integrating transportation, housing and land use planning.

### How You Can Make a Difference

#### Get involved in your community!

- ▶ Follow the work of your city council, county board of supervisors or local transit agency.
- ▶ Take notice of plans or improvement programs developed by your city, county or transit agency.
- ▶ Comment on projects proposed by your county CMA or on transportation improvements submitted to MTC for regional, state or federal funding.
- ▶ See page 18 for a list of transportation agencies.

The Regional Transportation Plan is the earliest and best opportunity within the MTC process to comment on and influence projects. A project cannot move forward or receive any federal funds unless it is included in the RTP. MTC support of large projects occurs in the long-range plan and not as part of the TIP.

- ▶ Attend public meetings or open houses to learn about plans and offer your comments
- ▶ Participate in online surveys or forums

# Implementation

## MTC's Project Selection Process

## Construction/Implementation

Once long-term goals, policies and funding initiatives have been set in the RTP, MTC develops program criteria and funds specific projects.

### Project Selection Process

**Funding Levels Established for RTP Programs/Initiatives:** Guided by the RTP and short-term revenue estimates, MTC decides how much funding to apply to programs over a two-to-four-year period at a time.

**Project Selection Criteria Developed:** For competitive programs under its control, MTC is guided by the RTP and develops and adopts minimum project requirements and criteria to evaluate and prioritize projects.

**Project Selection:** Depending on the program, projects may be selected using MTC's criteria or by the county congestion management agency, the California Transportation Commission or a transit agency board. Some funding programs are non-competitive, meaning projects are funded according to a pre-determined formula or voter-enacted initiative.

### The Transportation Improvement Program (TIP)

The production of the Transportation Improvement Program or TIP is the culmination of MTC's transportation planning and project selection process. The TIP identifies specific near-term projects over a four-year period to move the region toward its transportation vision.

The TIP lists all surface transportation projects for which federal funds or actions by federal agencies are anticipated, along with some of the larger locally and state-funded projects. A project cannot receive federal funds or receive other critical federal project approvals unless it is in the TIP. MTC must update the TIP at least once every four years. It is revised several times a year to add, delete or modify projects.

### Environmental Review and Project Development Activities

The project sponsor conducts an environmental review, as required by either the California Environmental Quality Act (CEQA) or the National Environmental Policy Act (NEPA). Final approval of the project design and right-of-way is required by the sponsoring agency and appropriate federal agency (Federal Highway Administration or Federal Transit Administration) if federal funds and/or actions are involved.

Funding is fully committed by grant approval once the project meets all requirements and moves forward to phases such as preliminary engineering, final design, right-of-way acquisition, or construction.

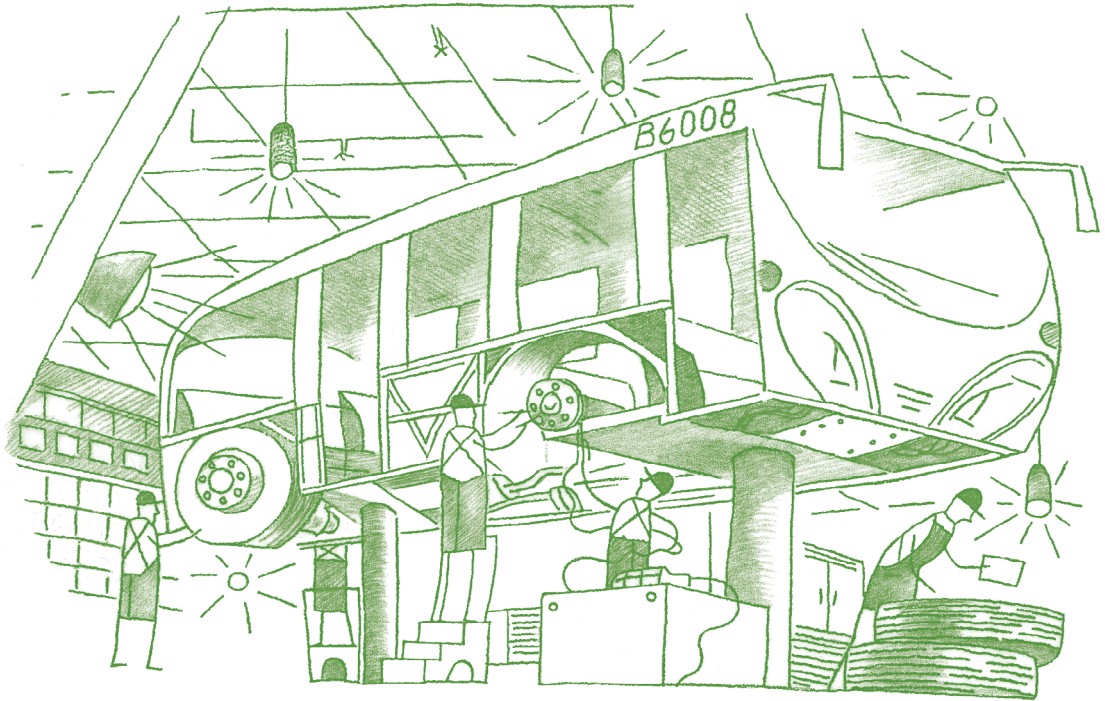
### Get involved in planning for the whole Bay Area at MTC!

- ▶ Comment at MTC committee-level and Commission-level meetings, special public hearings and workshops.
- ▶ Follow the work of MTC's Policy Advisory Council which advises the Commission ([www.mtc.ca.gov/whats-happening](http://www.mtc.ca.gov/whats-happening)).
- ▶ Check MTC's website for committee agendas and to keep current on activities ([www.mtc.ca.gov](http://www.mtc.ca.gov)).
- ▶ Get your name added to MTC's database to receive e-mail updates ([info@bayareametro.gov](mailto:info@bayareametro.gov)).

### Comment on a project's impacts

- ▶ Comment on the environmental impacts of the project before the environmental document and project receive final approval by the board of the sponsoring agency, or in advance of federal approval, if required.





## What happens after a project is included in the TIP?

Once a project is in the TIP, a considerable amount of work still remains to bring it to completion. The designated project sponsor is responsible for ensuring the project moves forward. Projects typically proceed in phases (preliminary engineering, final design, right-of-way acquisition and construction). Each phase is included in the TIP showing funding and the anticipated schedule. Ideally, a project will advance according to its listed schedule. However, tracking each project's progress is important so that delays can be identified and remedied as soon as possible, and so that funding can be reallocated as necessary.

Once federal funds have been made available for a project's final construction phase, they usually no longer appear in future TIP documents – even though the project may not yet be completed.



## In what ways can the public participate?

**P**ublic participation occurs during all stages of a project's development. Communicating support or concern to municipal and county officials and transit agency managers is one of the most effective starting points. As local review begins, public input may be provided at formal meetings or informal sessions with local planning boards and staff. Members of the public may also be asked to participate in special task forces to review transportation improvement concepts at the corridor, county and regional level. The MTC's long-range regional transportation plan has an extensive public involvement program including but not limited to workshops, focus groups, surveys, public hearings and opportunities to comment at Commission meetings. Finally, once a project is in the TIP and it enters the preliminary engineering phase, the detailed environmental review process affords yet another opportunity for the public to offer input. An overview of opportunities to get involved during every stage of a project is provided on pages 12 and 13.

MTC's public involvement process aims to give the public ample opportunities for early and continuing participation in transportation project planning, and to provide full public access to key decisions. The public has the opportunity to comment before the TIP is officially adopted by the Commission. MTC conducts a public comment period and holds public meetings to allow the public an opportunity to ask questions about the process and projects. A copy of the TIP is made available at the Bay Area Metro Center; notices are mailed out to an extensive mailing list of interested individuals and agencies along with instructions on how to access and comment on the TIP on the MTC website; and the TIP documents can be viewed on the MTC website at [www.mtc.ca.gov/our-work/fund-invest/transportation-improvement-program](http://www.mtc.ca.gov/our-work/fund-invest/transportation-improvement-program).

MTC extends an open and continuing invitation to the Bay Area public to assist in developing transportation solutions for the region. A comprehensive Public Participation Plan details the many avenues available to groups and individuals who would like to get involved in MTC's work. The plan can be found on MTC's website at [www.mtc.ca.gov/about-mtc/public-participation](http://www.mtc.ca.gov/about-mtc/public-participation).



## Where to turn for more information

**V**isit the MTC website at [www.mtc.ca.gov](http://www.mtc.ca.gov) for more information about the transportation planning and funding process and to obtain schedules and agendas for MTC meetings. Below are direct links to key documents. Some publications mentioned are available at the Bay Area Metro Center.

### Resources

#### The Transportation Improvement Program

[mtc.ca.gov/our-work/fund-invest/transportation-improvement-program](http://mtc.ca.gov/our-work/fund-invest/transportation-improvement-program)

#### MTC Public Participation Plan

[mtc.ca.gov/about-mtc/public-participation/public-participation-plan](http://mtc.ca.gov/about-mtc/public-participation/public-participation-plan)

#### Project Listing: MTC Fund Management System

[mtc.ca.gov/our-work/fund-invest/fund-management-system](http://mtc.ca.gov/our-work/fund-invest/fund-management-system)

### MTC Staff Contacts

#### Program and Fund Management

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#### Transportation Improvement Program

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#### Federal Highway Administration Programs

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#### Federal Transit Administration Programs

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#### State Funding Programs

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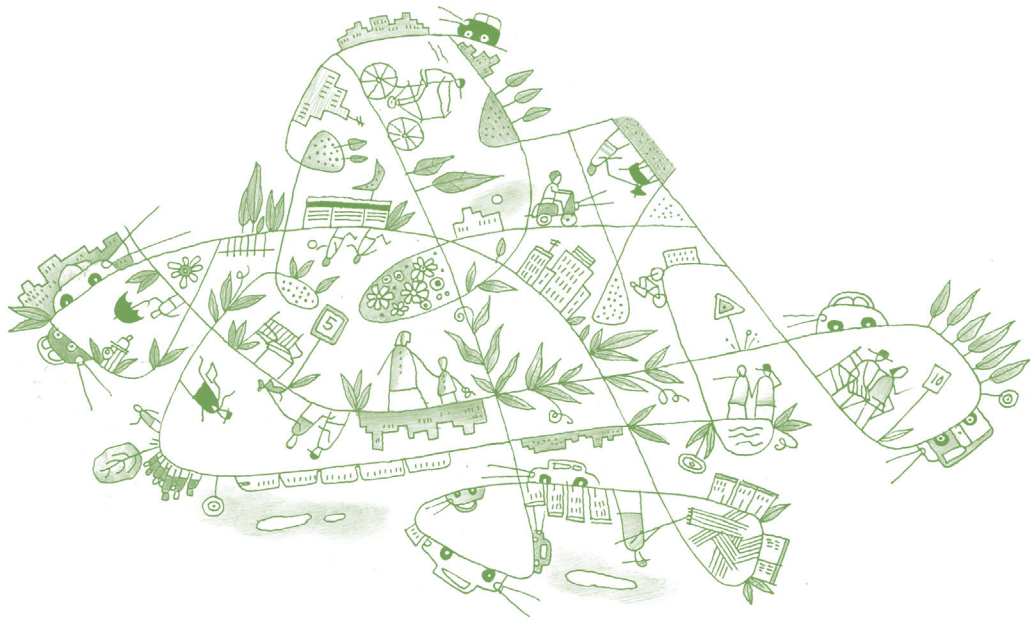
#### MTC Public Information

(415) 778-6655 or  
[info@bayareametro.gov](mailto:info@bayareametro.gov)

#### MTC-ABAG Library

(415) 778-5236 or  
[library@bayareametro.gov](mailto:library@bayareametro.gov)





## Request assistance

Do you need an interpreter or any other assistance in order to participate?  
Please call us at 415.778.6757. We require three days notice in order to provide reasonable accommodation.

為了便於參加，您需要口譯員或其他任何協助嗎？請致電415.778.6757聯絡我們。我們需要提前3天通知才能提供合理的輔助服務。

¿Necesitas un intérprete o cualquier otra asistencia para participar? Comunícate al 415.778.6757. Necesitamos aviso con tres días de anticipación para proporcionar asistencia razonable.



## Transportation agencies in the San Francisco Bay Area

### Major Transit Operators

**Altamont Commuter Express (ACE)**  
209.944.6220

**Alameda-Contra Costa Transit District (AC Transit)**  
510.891.4777

**Bay Area Rapid Transit District (BART)**  
510.464.6000

**Bay Area Water Emergency Transit Authority**  
415.291.3377

**Central Contra Costa Transit Authority (County Connection)**  
925.676.1976

**Eastern Contra Costa Transit Authority (Tri Delta)**  
925.754.6622

**Fairfield/Suisun Transit (FAST)**  
707.422.2877

**Golden Gate Bridge, Highway and Transportation District**  
415.921.5858

**Livermore Amador Valley Transit Authority (WHEELS)**  
925.455.7500

**Marin County Transit District**  
415.226.0855

**Napa Valley Transportation Authority (VINE)**  
707.259.8631

**Peninsula Corridor Joint Powers Board (Caltrain)**  
650.508.6200

**San Francisco Municipal Transportation Agency (SFMTA)**  
415.701.4500

**San Mateo County Transit District (SamTrans)**  
650.508.6200

**Santa Clara Valley Transportation Authority (VTA)**  
408.321.2300

**Santa Rosa Department of Transit and Parking**  
707.543.3333

**Solano County Transit (SolTrans)**  
707.648.4666

**Sonoma County Transit**  
707.585.7516

**Sonoma-Marin Area Rail Transit**  
707.794.3330

**Transbay Joint Powers Authority**  
415.597.4620

**Western Contra Costa Transit Authority (WestCAT)**  
510.724.3331

### Major Seaports and Airports

**Port of Oakland**  
510.627.1100

**Port of San Francisco**  
415.274.0400

**Oakland International Airport**  
510.563.3300

**San Jose International Airport**  
408.392.3600

**San Francisco International Airport**  
650.821.8211



## Metropolitan Transportation Commission Roster

**Scott Haggerty, Chair**

Alameda County

**Alfredo Pedroza, Vice Chair**

Napa County and Cities

**Eddie Ahn**

San Francisco Bay Conservation  
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**Jeannie Bruins**

Cities of Santa Clara County

**Damon Connolly**

Marin County and Cities

**Dave Cortese**

Santa Clara County

**Carol Dutra-Vernaci**

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**Federal D. Glover**

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**Nick Josefowitz**

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**Sam Liccardo**

San Jose Mayor's Appointee

**Jake Mackenzie**

Sonoma County and Cities

**Gina Papan**

Cities of San Mateo County

**David Rabbitt**

Association of Bay Area Governments

**Hillary Ronen**

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Oakland Mayor's Appointee

**Warren Slocum**

San Mateo County

**James P. Spering**

Solano County and Cities

**Jimmy Stracner**

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California State

Transportation Agency

**Amy R. Worth**

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WEB [www.mtc.ca.gov](http://www.mtc.ca.gov)