

## Transit Performance Initiative Investment Program Semi-Annual Update

The Transit Performance Initiative (TPI) Investment program funds low-cost capital investments that can be implemented rapidly to improve operations and customer experience on major transit corridors and systems. This report summarizes TPI-funded projects throughout the life of the program and provides progress updates for ongoing TPI projects.

### Program Summary

The TPI program has been funded through a combination of One Bay Area Grant (OBAG) federal funds from the OBAG 1 and OBAG 2 programs and state funds from the Low Carbon Transit Operations Program (LCTOP). Five rounds of the TPI program, including the majority of the February 2023 awards, were funded by OBAG funds. In May 2016, the Commission committed one-third of the region's annual population-based LCTOP funds to augment the TPI program, subject to the region's Cap and Trade Framework in MTC Resolution No. 4130, Revised. Six cycles of LCTOP funds have been programmed by MTC, totaling \$26.8 million from FY 2017-18 to FY 2022-23.

Overall, since 2012, \$125 million has been programmed to 44 projects, and 23 have been completed or are substantially completed.

Completed projects have benefitted transit service and helped agencies build up tools and experience for getting transit out of traffic. Ongoing projects from STP/CMAQ rounds 1-4 are in or entering construction, and LCTOP projects are either in design or under construction. COVID-19 and supply-chain issues caused delays on many projects. Overall, projects are moving forward again, including nine projects that were completed or substantially completed in 2023.

Project Sponsor	Total TPI Awards (\$M)
AC Transit (10 projects*)	\$40.1
SFMTA (14 projects)	\$46.1
VTA (7 projects)	\$18.4
Other (13 projects)	\$20.7
<b>Total</b>	<b>\$125.2</b>

\*Includes Bay Bridge Forward award to MTC implemented in coordination with AC Transit

## Ongoing Projects

Below is a list of ongoing TPI-funded projects by operator covered in this report. Recently completed projects are highlighted in bold. The full list of TPI projects by round and by operator, including completed projects, is attached to this report as Appendix I.

Projects awarded from the FY 2022-23 TPI call for projects are newly added to this list, in italics. These projects are either funded by OBAG 2 funds or FY2022-23 LCTOP funds. OBAG 2- funded projects are still awaiting finalization of the grant funding with FTA or FHWA. LCTOP funds were disbursed late in 2023. Because of the delayed availability of these funds, these projects did not start during the reporting period and are not included in Individual Project Updates below.

<p><b>AC Transit</b></p> <ul style="list-style-type: none"> <li>• San Pablo and Telegraph Rapid Bus Upgrades Project</li> <li>• <b>Dumbarton Innovative Deployments to Enhance Arterials (IDEA) (Substantially completed)</b></li> <li>• Bay Bridge Forward – West Grand TSP</li> <li>• Quick Build Transit Lanes</li> <li>• Mission Boulevard TSP</li> <li>• <i>MacDonald Avenue Transit Signal Priority Project Phase 1</i></li> <li>• <i>Foothill Corridor Planning Study</i></li> </ul>
<p><b>SFMTA</b></p> <ul style="list-style-type: none"> <li>• <b>Mission Customer First</b></li> <li>• <b>N-Judah Customer First (Substantially completed)</b></li> <li>• <b>Colored Lanes on MTA Rapid Network</b></li> <li>• <b>Geary BRT Phase 1 (Substantially completed)</b></li> <li>• <b>27-Bryant Tenderloin Transit Reliability Project</b></li> <li>• 5-Fulton Arguello to 25<sup>th</sup> Ave Muni Forward</li> <li>• 29-Sunset Muni Forward Phase 1</li> <li>• <i>Next Generation Transit Lane and Bus Zone Enforcement Pilot Program</i></li> <li>• <i>29-Sunset Improvement Project Phase 2</i></li> <li>• <i>Third Street Dynamic Traffic Signal Optimization Project</i></li> <li>• <i>Muni Forward Five-Minute Network Corridor Planning Program</i></li> </ul>
<p><b>VTA</b></p> <ul style="list-style-type: none"> <li>• Light Rail Transit Signal Priority Improvements</li> <li>• Stevens Creek Ltd 323 TSP</li> <li>• Eastridge to BART Regional Connector</li> <li>• <i>Transit Reliability Improvement and Performance System (TRIPS)</i></li> <li>• <i>Monterey Road Transit Lane Project</i></li> </ul>
<p><b>Other</b></p> <ul style="list-style-type: none"> <li>• <b>SamTrans</b> – Traffic Signal Priority on El Camino Real (Expanded Scope)</li> <li>• <b>Novato</b> – Downtown SMART Station</li> <li>• <b>Santa Rosa CityBus</b> – <b>New Transit System Optimization</b></li> <li>• <b>NVTA</b> – <b>Imola Ave and SR-29 Express Bus Improvements</b></li> <li>• <b>Solano Transportation Authority</b> – Solano Express Bus Stop Improvements</li> <li>• <b>TAM/Marin Transit</b> – <i>Marin County Hwy 101 Part Time Transit Lane</i></li> <li>• <b>NVTA</b> – <i>Napa Valley Transit Safety and Efficiency Improvements</i></li> <li>• <b>SamTrans</b> – <i>El Camino Real Mid-County Transit and Multimodal Corridor Plan</i></li> <li>• <b>CCTA/County Connection</b> – <i>Transit Corridors Study</i></li> </ul>

## Individual Project Updates

### Round 1

#### VTA

- Light Rail TSP
  - In-vehicle installations are completed
  - Intersection installations expected to start in 2024 and take a year or less to complete
- Stevens Creek – Limited 323 TSP
  - Original scope complete
  - Savings directed towards additional TSP Central Monitoring System – engineering is complete, procurement is pending

#### Muni

- 14-Mission
  - Installation of info panels and stop branding is complete
  - Vehicle installations not moving forward with TPI funds, may be addressed in the future
  - Project is complete
- N-Judah
  - TSP, lane colorization, camera elements complete
  - Stop branding design is complete; installation is anticipated in the coming year

### Round 2

#### Muni

##### Geary Rapid Project Phase 1

- Initial implementation resulted in 1-2 minutes of peak hour transit travel time savings
- Construction substantially complete
- Installation of red colorization in the transit-only lanes in segments east of Van Ness is underway

##### Colored Lanes on Rapid Network

- Fremont St, Clay St, Stockton St, Fourth St, additional lanes near Transbay Terminal, First St, and Mission St are completed
- Additional colorization on Geary Blvd and procurement of materials to colorize portions of 16<sup>th</sup> St is complete

### Round 3

#### MTC/AC Transit

##### Bay Bridge Forward

- West Grand TSP
  - TSP installation completed in 2023
- Other Bay Bridge Forward elements funded under this award complete

#### AC Transit

##### AC Transit San Pablo/Telegraph

- Telegraph Avenue

- Construction contract awarded and scheduled to begin early 2024; additional funding for project committed through RM3
- San Pablo Avenue
  - Construction completed and closed out

*SamTrans*

Traffic Signal Priority on El Camino Real

- Original scope complete
- Awaiting FTA approval to use savings to expand TSP equipment to the remainder of the bus fleet (approved by MTC staff in 2022)

Round 4

*City of Novato/SMART*

Novato Downtown SMART Station

- Phase 2 (signaling, systems, station amenities)
  - Construction complete, commuter train service commenced in January 2020
- Phase 3 (former Depot site improvements)
  - Additional funding and agreement with developer/operator needed to complete improvements

*NVTA*

NVTA Imola Ave and SR-29 Express Bus Improvements

- Project also received FY 20 LCTOP funds
- Construction complete



Photos: NVTA Imola Ave Park and Ride and Express Bus Stop

*Santa Rosa CityBus*

Santa Rosa CityBus New Transit System Optimization

- All TPI-funded components complete

*Solano Transportation Authority*

Solano Express Fairgrounds Drive/SR-37 Bus Stop and West Texas Bus Stop

- Additional savings being directed to West Texas bus stop improvements; design of this project is underway, and construction is expected to begin Spring 2024

## LCTOP Projects – FY18 through FY22

### SFMTA

#### 27-Bryant Tenderloin Transit Reliability

- Scope: transit bulbs, pedestrian bulbs, ADA-compliant curb ramps
- Construction was completed in May 2023

#### 5-Fulton Arguello to 25<sup>th</sup> Ave Muni Forward

- Scope Transit bulb and signal upgrades
- Preliminary signal modifications are complete
- Design is nearly complete

#### 29-Sunset Muni Forward Phase 1

- Scope: stop consolidation, traffic signal upgrades, and other improvements to improve reliability, travel time, and safety
- Project elements adopted by SFMTA Board in June 2023
- Quick Build aspects of phase 1 are currently underway, remaining construction expected to be complete in 2026

### Tri Delta Transit

#### Wi-Fi for Bus and Paratransit Rider Connectivity

- Project is substantially complete; service was made available to the public in April 2021
- Remaining funds will be used for service for wi-fi equipment through 2023

### VTA

#### Eastridge to BART Regional Connector

- Current TPI funding for this project includes:
  - Reprogrammed FY 18 LCTOP funds
  - Replacement project for the LCTOP-funded FY 2019 ZEB project (which is not TPI eligible)
  - FY21 LCTOP funds
- Commission also made \$130M RM3 construction allocation
- At the January 17<sup>th</sup>, 2024 VTA Eastridge to BART Policy Advisory Committee meeting, staff presented an update noting the apparent low bidder submitted a \$437M proposal, \$121.6 million over the Engineer's Estimate. The update noted that VTA staff was seeking funding to close the gap.

### AC Transit

#### Dumbarton IDEA

- Scope includes extending AC Transit's TSP network across the Dumbarton/SR-84 corridor and installing queue jump lanes and bus stop enhancements
- Construction and implementation 95% complete
- Project evaluation to be completed by mid-2024

#### Quick Build Transit Lanes

- 95% design completed, invitation for bid construction (combined for all three quick builds) procurement underway.

- Design complete and approved by all 4 agencies
- Construction contractor procurement initiated
- Project expected completed in 2026

## Look Ahead

Staff will continue to monitor project progress and work with project sponsors to apply project savings to additional improvements consistent with the TPI Savings Policy.

Projects awarded in the FY 2022-23 round will get underway.

Additional funding opportunities will be announced relative to FY 2023-24 LCTOP funds and for transit priority projects consistent with the Blue Ribbon Transit Transformation Action Plan.

## Background and Context

Additional background information on TPI funds and projects can be found in the Committee and Commission items for the following actions:

Initial Programming of each TPI round:

- [STP/CMAQ Round 1 – May 17, 2012](#)
- [STP/CMAQ Round 2 – September 24, 2014](#)
- [STP/CMAQ Round 3 – May 27, 2015](#)
- [STP/CMAQ Round 4 – May 25, 2016](#)
- [LCTOP FY 17-18 – March 28, 2018](#)
- [LCTOP FY 18-19 – April 24, 2019](#)
- [LCTOP FY 19-20 – March 25, 2020](#)
- [LCTOP FY 20-21 – March 24, 2021](#)
- [LCTOP FY 21-22 – March 23, 2022](#)
- [FY2022-23 Round – February 22, 2023](#)

Major Reprogramming Actions:

- Round 1
  - [July 22, 2015](#)
- Round 2
  - [January 25, 2017](#)
- Round 3
  - [April 26, 2017](#)
- LCTOP FY 17-18
  - [December 16, 2020](#)