

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

Since 2012, \$145 million has been programmed to 53 capital and planning projects, and 30 of these have been completed or are substantially complete.

The TPI program utilizes a combination of federal One Bay Area Grant (OBAG) funds from the OBAG 1 and OBAG 2 programs and the state Low Carbon Transit Operations Program (LCTOP). Five rounds of the TPI program, including the majority of the TPI 2022-23 Program awarded in February 2023, were funded with OBAG funds, totaling \$97.5 million. 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. Seven cycles of LCTOP funds have been programmed by MTC, totaling \$47.5 million from FY 2016-17 through FY 2025-26. This includes \$12.8 million in LCTOP funding programmed in April 2026 to projects selected via the FY 2025-26 TPI call for projects.

Completed projects have benefited transit service and helped agencies build up tools and experience for getting transit out of traffic. Ongoing projects from STP/CMAQ rounds 1-4 and LCTOP rounds through 2022 are largely completed. Projects awarded in recent years under the TPI 2022-23 and LCTOP 2023-24 funding rounds are primarily in planning or design phases, though some have moved into implementation and construction. Projects awarded under the TPI 2025-26 call for projects are awaiting distribution of funding by the state and did not report this round.

Project Sponsor	Total TPI Awards (\$M)
AC Transit (13 projects*)	\$43.1
SFMTA (16 projects)	\$52.3
VTA (9 projects)	\$25.4
Other (15 projects)	\$24.2
Total	\$145.0

*Includes Bay Bridge Forward award to MTC implemented in coordination with AC Transit, and Fruitvale Corridor Transit Signal Priority project added in 2024 with savings from completed projects

Report Highlights

Projects completed this period include:

- VTA's light rail TSP project was completed in a prior reporting round but closeout continued into this reporting period; project benefits are detailed below
- VTA's Stevens Creek Limited 323 TSP additional scope was completed utilizing project savings
- SFMTA's Geary Rapid Project was previously report as complete and closed out this period
- Three of the four components of NVTa's Napa Valley Transit Safety and Efficiency Improvements are completed and the final component at Redwood Park and Ride is preparing to begin construction
- CCTA received the final report for their Transit Corridors Study, but will continue to conduct TPI-funded data collection into 2027

Construction and implementation continued on most projects awarded through FY 2022. Newer projects are mostly in planning and design phases. Progress on these projects is detailed in the "Individual Project Updates" section below.

Ongoing Projects

Below is a list of ongoing TPI-funded projects by operator covered in this report. Projects awarded under the TPI 2025-26 call for projects are awaiting distribution of funding by the state and did not report this round. The full list of TPI projects by round and by operator, including completed projects, is included in Attachment B.

AC Transit

- San Pablo and Telegraph Rapid Bus Upgrades Project (*Substantially completed*)
- MacDonald Avenue TSP Project Phase 1
- Foothill Corridor Planning Study
- Cutting Boulevard Project
- Fruitvale Corridor TSP

SFMTA

- N-Judah Customer First
- Colored Lanes on MTA Rapid Network (*Substantially completed*)
- Geary Rapid Project (*Completed*)
- 29-Sunset Muni Forward Phase 1
- Next Generation Transit Lane and Bus Zone Enforcement Pilot Program
- 29-Sunset Improvement Project Phase 2
- Third Street Dynamic Traffic Signal Optimization Project
- Muni Forward Five-Minute Network Corridor Planning Program

- Cloud-Based TSP

VTA

- Light Rail TSP Improvements (*Completed*)
- Stevens Creek Limited 323 TSP (*Completed*)
- Eastridge to BART Regional Connector
- Transit Reliability Improvement and Performance System (TRIPS)
- Monterey Road Transit Lane Project
- Senter Road Bus Boarding Islands and Bulb Outs

Other

- **SamTrans** – Traffic Signal Priority on El Camino Real (Expanded Scope)
- **TAM/Marin Transit** – Marin County Hwy 101 Part Time Transit Lane
- **NVTA** – Napa Valley Transit Safety and Efficiency Improvements
- **SamTrans** – El Camino Real Mid-County Transit and Multimodal Corridor Plan
- **CCTA/County Connection** – Transit Corridors Study

Programming Updates

No project revisions were approved during the reporting period. The FY 2025-26 TPI awards included estimated LCTOP Cycle B amounts. Staff intend to update the programmed amounts administratively this fall after the state finalizes the apportionment amounts.

VTA's Monterey Road Transit Lane project, which was awarded OBAG planning funds from the TPI 2022-23 call for projects, has been discontinued due to cost increases and a change in the City of San Jose's priorities. Staff will work to identify another TPI eligible project and will return to Commission with a reprogramming recommendation.

Individual Project Updates

Staff collected reports from sponsors on all ongoing projects in June 2026 covering recent project progress and milestones, budget and schedule updates, and other changes to the project or status. Following is a summary of each report, organized by funding round.

Round 1

VTA

Light Rail TSP (Complete)

- All construction activity is completed
- Implementation of the new detection system has improved reliability of detection and granting of transit priority, less staff time needed for maintenance and improved monitoring and troubleshooting of the system

Stevens Creek – Limited 323 TSP (Complete)

- Original scope plus TSP Central Monitoring System added with project savings are complete
- Savings directed towards additional TSP Central Monitoring System – the server has been activated and field devices installed
- Project is complete and closed out

SFMTA

N-Judah

- TSP, lane colorization, camera elements complete
- Stop branding design is complete; installation is anticipated in the coming months

Round 2

SFMTA

Geary Rapid Project Phase 1 (Complete)

- Initial implementation resulted in 1-2 minutes of peak hour transit travel time savings
- Construction of Phase 1, including transit lane colorization, was completed in 2024
- Project is complete and closed out

Colored Lanes on Rapid Network

- All original colored lanes segments and segments added before 2024 are complete
- Additional savings redirected via staff approval to additional segments on Mission Street and additional red thermoplastic paint; this scope is complete
- Staff are working with SFMTA to direct additional savings according to the TPI Savings Policy



Colored lane at Second and Mission St. SFMTA Photo.

Round 3

AC Transit

AC Transit San Pablo/Telegraph Rapid Bus Upgrades Project

- Construction on both the Telegraph and San Pablo segments is complete
- Before/after study underway
- The project has cost savings on the original OBAG award; staff are working with AC Transit to redirect these funds according to TPI policies.



Telegraph Rapid Bus Stop Improvements. AC Transit Photo

SamTrans

Traffic Signal Priority on El Camino Real

- Original scope completed with cost savings
- Scope expanded in 2022 to implement TSP equipment across the full 322-bus fleet
- TSP has been installed on 245 buses and the current procurement will add TSP equipment on the remaining 61 expansion buses currently in production as they are delivered.

- Remaining buses will be replaced and equipped with TSP in 2028

LCTOP Projects – FY18 through FY22 and FY24

AC Transit

Cutting Boulevard Project

- Scope: Bus stop relocations, bus bulbs, longer bus stops, and accessibility improvements along Cutting Boulevard
- Project complements MTC's RM3-funded Richmond-San Rafael Forward Cutting Boulevard project
- Began 95% design and continued coordination with the City of Richmond and Caltrans
- Construction contract shared with the MacDonald Avenue TSP project for efficiency

Fruitvale Corridor TSP

- New project added in 2025 utilizing savings from completed Dumbarton IDEA and Mission Boulevard TSP projects
- Scope: Install TSP improvements along Fruitvale Avenue between MacArther Blvd and E. 9th Street and on San Leandro St.
- Finalizing cooperative agreement with the City of Oakland
- Began design phase

SFMTA

29-Sunset Muni Forward Phase 1

- Scope: stop consolidation, traffic signal upgrades, and other improvements to improve reliability, travel time, and safety
- Stop-related work on Sunset Blvd is complete
- TSP implementation underway; preliminary work on Lincoln bus stops began
- Design for remaining work on Holloway progressed

Cloud-Based TSP

- Scope: Upgrade network equipment and software to implement next-generation TSP across the Muni system
- Continued signal and communications equipment upgrades at intersections with existing TSP
- SFMTA will release an RFI for pilot demonstrations to test compatibility and functionality beginning late 2026. Vendor selection and implementation will progress after the pilot demonstrations in 2027.

VTA

Eastridge to BART Regional Connector

- 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 allocated \$130M in RM3 bridge toll funds for construction
- Construction continued: Stage 1 road widening is complete and construction on stage 2 aerial guideway and stations at Story Road and Eastridge is underway
- Revenue service anticipated to start in 2028



EBRC Construction progress – Top: Eastridge Station; Bottom: preparation for trackwork. VTA photos

Senter Road Bus Boarding Islands and Bulb Outs

- Scope: Construct bus boarding islands and bulb outs to reduce transit delays and maintain frequencies. LCTOP funding supports Phase 1 safety improvements and Phase 2 BusAID intersection improvements
- Phase 1 construction began
- Phase 2 design nearly finalized

TPI 2022-23 Program (LCTOP and OBAG funds)

AC Transit

Foothill Corridor Planning Study

- Scope: Study to identify service and design improvements to reduce delay and improve bus operations
- Coordination with the City of Oakland and project charter in progress
- Plan to procure consultant and kickoff study in 2026

MacDonald Ave TSP Project Phase 1

- Scope: Install TSP equipment along MacDonald Ave in Richmond
- Began 95% design and continued coordination with the City of Richmond and Caltrans
- Project will share a construction contract with the Cutting Blvd project for efficiency

SFMTA

Muni Forward Five-Minute Network Corridor Planning

- Scope: Develop next generation of Muni Forward corridor projects to support five-minute headways
- Group 1 corridors – 1 California, 22 Fillmore, T Third, 28 19th Avenue – in active planning, outreach, and analysis stages
- 8 Bayshore (Group 2 corridor) accelerated due to AHSC grant. Design is complete and project has been approved for implementation.
- Remaining Group 2 corridors will progress pending funding availability

Next Generation Transit Lane and Bus Zone Enforcement Pilot

- Scope: Modernize a quarter of the Muni bus fleet with next generation camera technology to improve lane violation detection
- Awarded contract for new technology, pilot work will start later this year

29-Sunset Improvement Project Phase 2

- Scope: Removal of some stops, relocation of stops, improved amenities, implementation of TSP on the Muni 29 Sunset Bus Route
- Received board approval for implementation
- Continuing to advance design towards construction

Third Street Dynamic Traffic Signal Optimization Project

- Scope: Evaluate and implement traffic signal improvements including upgraded or replaced smart traffic cameras, improved vehicle detection technology, and signal retiming
- Preliminary evaluation of signal timing improvements found a 14% reduction in round trip travel time during peak hours
- Phase 3 timing improvements in planning
- New detection technology in testing

VTA

Monterey Road Transit Lane (Planning)

- Project discontinued due to cost increases and a change in the City of San Jose's priorities. Staff will work to identify another TPI eligible project and will return to Commission with a reprogramming recommendation.

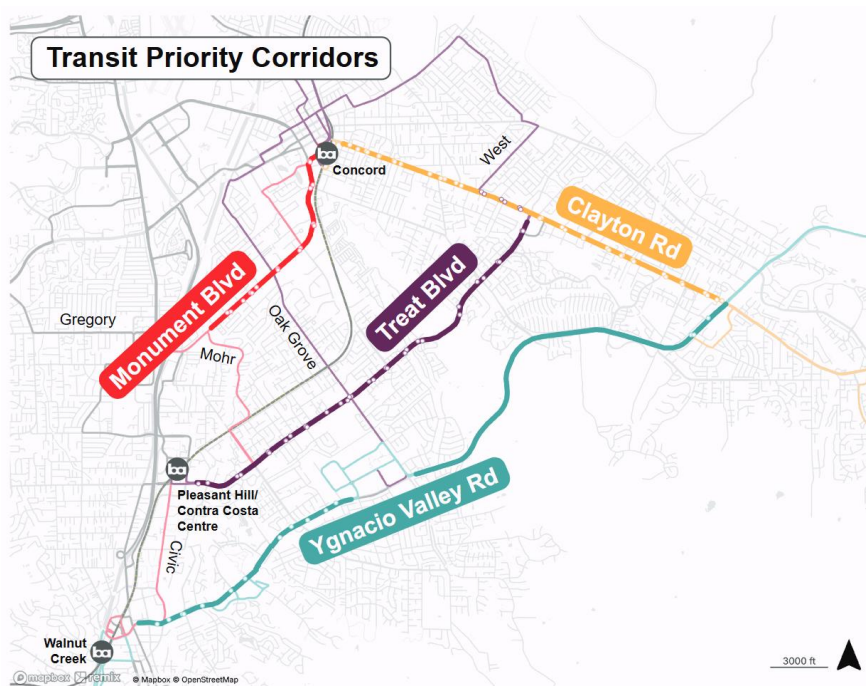
Transit Reliability Improvement and Performance System (TRIPS)

- Scope: Implement upgraded STP system on VTA route 55 in Sunnyvale and Campbell
- Continued to finalize funding agreements with Cities of Cambell and Sunnyvale to integrate local intersections into the TSP system
- System Engineering Management Plan and Concept of Operations completed
- Implementation work will continue after agreements are finalized

Other Operators

County Connection – Transit Corridors Study

- Scope: Analyze current conditions on four major bus corridors, gather feedback, and identify speed and reliability improvements
- Final report completed in December 2025 included recommendations for transit priority treatments on the studied corridors, with signal-focused improvements anticipated to produce the most benefits that would be enhanced with stop management and corridor design enhancements such as bus lanes and queue jumps.
- Additional data collection will continue into 2027



Map of studied County Connection corridors. County Connection graphic

[SamTrans – El Camino Real Mid-County Transit and Multimodal Corridor Plan](#)

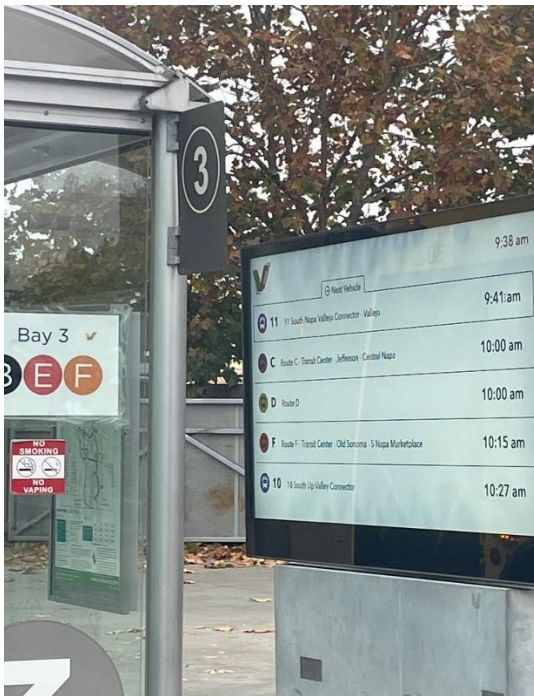
- Scope: Develop preferred conceptual design for the El Camino Real mid-county corridor
- Consultant continued to develop alternatives and proposed spot improvements and a placemaking action plan.
- Phase 2 of community outreach to solicit feedback on alternatives was completed

[Marin Transit – Marin County Highway 101 Part Time Transit Lane](#)

- Scope: Pilot a Part Time Transit lane on the shoulder of SB US-101 in Marin County, implemented by the Transportation Authority of Marin (TAM)
- Secured cooperative agreement with Caltrans for project initiation oversight and began consultant work

[Napa Valley Transportation Authority – Napa Valley Transit Safety and Efficiency Improvements](#)

- Scope: Suite of improvements at three transit facilities and to vehicles serving the Vine transit network
- Soscot Gateway Transit Center wayfinding and signage installations are complete
- System-wide vehicle surveillance system installed and in operation
- Imola Park and Ride surveillance system and electronic signage installation complete
- Secured a construction contractor for Redwood Park and Ride improvements, now awaiting construction permit



Left: Soscol Gateway electronic signage; Right: on-vehicle cameras (right). NVTa photos

Look Ahead

Projects selected via the FY 2025-26 TPI call for projects were awarded LCTOP FY 26 Cycle A or B funding. Cycle A funding is anticipated to be distributed this fall; applications for Cycle B funding will be due this fall and distributed early next year. Staff continue to work with sponsors to ensure they meet all state requirements necessary to claim the funds, and will begin requesting semi-annual reports after funding is distributed.

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

No future TPI calls for projects are currently planned. However, transit priority investments will continue through MTC's BusAID grant program, which could utilize future LCTOP funding in addition to other funding sources planned for the program. If approved, additional funding for transit priority may be available as part of the rider-focused improvements in the Connect Bay Area regional transit funding measure funding 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 – January 25, 2017](#)
- [STP/CMAQ Round 4 – July 26, 2017](#)
- [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](#)
- [LCTOP FY 23-24 – March 27, 2024](#)
- [FY 2025-26 TPI Call for Projects – April 22, 2026](#)

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](#)