

**Metropolitan Transportation Commission
Programming and Allocations Committee**

January 12, 2022

Agenda Item 2c - 21-1486

Transit Performance Initiative – Investment Program Semi-Annual Update

Subject:

Semi-annual update on the progress of projects awarded under the Transit Performance Initiative (TPI) Investment Program.

Background:

The 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. Since 2012, \$98.3 million has been programmed to 32 projects, and 17 of these have been completed or are substantially completed.

The first four rounds of the TPI program were funded by federal Cycle 2 STP/CMAQ funds. In May 2016, the Commission committed one-third of the region's annual population-based Low Carbon Transit Operations Program (LCTOP) funds to augment the TPI program, subject to the region's Cap and Trade Framework in MTC Resolution No. 4130, Revised. Four cycles of LCTOP funds have been programmed by MTC.

This reporting period included completion of four projects:

- San Leandro BART Transit Access Improvements – The San Leandro BRT terminal opened to the public in 2020 and construction of final elements and project closeout was completed this year.
- Geary BRT Phase 1 – Construction was substantially completed and a ribbon cutting was held in October. The initial implementation of improvements on this corridor resulted in one to two minutes of travel time savings, benefiting a pre-pandemic weekday ridership of 58,000 passengers. The final evaluation of the full implementation is in progress.
- SamTrans Traffic Signal Priority on El Camino Real – Installation of TSP technology at intersections and on buses was completed. A preliminary analysis found the project resulted in up to four minutes of travel time savings and an increase in on-time performance, though continuing impacts of COVID-19 affect the ability to measure results. The ECR route served over 13,000 weekday riders prior to the pandemic.
- Tri-Delta Wi-Fi for Bus and Paratransit Rider Connectivity – Wi-Fi equipment was installed and service was made available to the public in April 2021.

The COVID-19 crisis has caused delays on many ongoing projects due to staffing issues, communication difficulties, and suspended construction activities. Most projects that were suspended or delayed have begun to move forward again with completion dates pushed back by a year or more. Some project schedules remain uncertain as agencies recover from COVID-19 impacts.

This program update covers the period from June 2021 through November 2021. Please refer to attachments A and B for further information.

Future Calls for Projects

Through this funding program, operators have completed projects that improve transit reliability, speed, and rider experience. Not only has transit service benefitted from these projects, but agencies have built up toolkits and experience on how to get transit out of traffic. With additional funding, more projects can be implemented to improve transit service.

Consistent with Blue Ribbon Transit Recovery Task Force initiative to advance Transit Priority, and in continuing with the ongoing goals of the TPI program, staff is initiating regional discussions on a potential larger call for projects. Funding for this call could include up to \$15 million in Transit Priority OBAG 2 funds in addition to future LCTOP funds. Staff will return to the Commission for direction in releasing the call for projects.

Issues:


None

Recommendation:

Information

Attachments:

- Attachment A: Summary of TPI Investment Program Projects by Round
- Attachment B: TPI Investment Program Project Updates Presentation Slides



Therese W. McMillan

**Transit Performance Initiative - Investment Program
Projects by Round (\$ in millions)**

1st Round (Approved May 2012)

Agency	Project	TPI Award (\$ millions)
AC Transit	Line 51 Corridor Delay Reduction & Sustainability Project Complete	\$10.5
	Mission Customer First Substantially Complete	\$5.4
	N-Judah Customer First* Substantially Complete	\$2.4
	Colored Lanes on MTA Rapid Network* Original Scope Complete (added scope ongoing)	\$3.0
San Francisco Municipal Transportation Authority (SFMTA)	Bus Stop Consolidation and Roadway Modification (9-San Bruno)** Complete	\$4.1
Santa Clara Valley Transportation Authority (SCVTA)	Light Rail Transit Signal Priority Improvements	\$1.6
	Stevens Creek — Limited 323 Transit Signal Priority Complete	\$0.7
Total		\$27.7

*In July 2015, MTC approved reprogramming of \$3 million from the SFMTA Round 1 N-Judah Customer First project to the Colored Lanes on MTA Rapid Network project

**Scope determined Sept. 2014. Project is reporting with Round 2 projects

2nd Round (Approved September 2014)

Agency	Project	TPI Award (\$ millions)
Various – Small Operators	Clipper Phase 3 Implementation Complete	\$8.0
Santa Clara Valley Transportation Authority (SCVTA)	Mountain View Double Track Improvements – Phase 1 Complete	\$8.0
City of Dublin/ Livermore Amador Valley Transit Authority (LAVTA)	Dublin Boulevard Transit Performance Initiative Complete	\$1.0
AC Transit	South Alameda County Major Corridors Travel Time Improvement Complete	\$5.0
	Colored Lanes on MTA Rapid Network Original Scope Complete (added scope ongoing)	\$1.0
San Francisco Municipal Transportation Authority (SFMTA)*	Geary BRT Phase 1 Substantially Complete	\$4.0
Total		\$27.0

*In January 2017, MTC approved reprogramming \$4 million from the SFMTA Round 2 Colored Lanes and Muni Forward projects to Geary BRT Phase 1, which was also awarded TPI Round 3 funds.

3rd Round (Approved January 2017)

Agency	Project	TPI Amount (\$ millions)
Various	Bay Bridge Forward (AC Transit Double Deckers + Bus Wash + West Grand TSP)	\$10.0
SFMTA	Geary BRT Phase 1 Substantially Complete	\$5.6
SamTrans	Traffic Signal Priority on El Camino Real Substantially Complete	\$3.5
BART	Train Seat Modification Project Complete	\$1.5
AC Transit*	San Pablo and Telegraph Rapid Bus Upgrades Project	\$5.0
VTA	Santa Clara Light Rail Crossovers and Switches Complete	\$0.5
Total		\$26.1

*AC Transit received a total of \$5M in combined federal STP/CMAQ funds and state Cap and Trade LCTOP funds.

4th Round - North Bay (Approved July 2017)

County	Project	TPI Amount (\$ millions)
Marin	Novato Downtown SMART Station Phase 2 Complete	\$0.5
Sonoma	Santa Rosa CityBus New Transit System Optimization	\$0.4
Napa	NVTA Imola Ave and SR-29 Express Bus Improvements	\$0.4
Solano	SolanoExpress Fairgrounds Drive/SR-37 Bus Stop Complete	\$1.0
Total		\$2.3

**Transit Performance Initiative - Investment Program
Projects by Round - *Continued*** (\$ in millions)

Low Carbon Transit Operations Program FY 2017-18 (Approved March 2018)

Agency	Project	TPI Amount (\$ millions)
SFMTA	Mission Bay Loop <i>Complete</i>	\$1.4
VTA	Eastridge to BART Regional Connector*	\$0.9
AC Transit	San Leandro BART -- Transit Access Improvements <i>Substantially Complete</i>	\$0.6
AC Transit	South Alameda County Major Corridors Travel Time Improvement Project <i>Complete</i>	\$0.2
Total		\$3.1

*In December 2020, MTC approved reprogramming of VTA's North First Street Light Rail Speed and Safety Improvements Project - Phase 1 to the Eastridge to BART Regional Connector

Low Carbon Transit Operations Program FY 2018-19 (Approved April 2019)

Agency	Project	TPI Amount (\$ millions)
SFMTA	West Portal Optimization and Crossover Activation <i>Complete</i>	\$2.2
VTA	Eastridge to BART Regional Connector*	\$1.3
AC Transit	Dumbarton Innovative Deployments to Enhance Arterials (IDEA)	\$1.2
Total		\$4.7

*VTA's FY 2018-19 LCTOP TPI award went to the 2021 Zero-Emission Bus Purchase program, which was ineligible under the TPI program. VTA has committed the same amount of local funds to the Eastridge to BART Regional Connector as a TPI-eligible replacement project.

Low Carbon Transit Operations Program FY 2019-20 (Approved March 2020)

Agency	Project	TPI Amount (\$ millions)
NVTA	Imola Park and Ride and Express Bus Stop Improvements	\$1.1
ECCTA	Wi-Fi for Bus and Paratransit Rider Connectivity <i>Substantially Complete</i>	\$0.3
SFMTA	27 Bryant Tenderloin Transit Reliability Project	\$3.3
Total		\$4.7

Low Carbon Transit Operations Program FY 2020-21 (Approved March 2021)

Agency	Project	TPI Amount (\$ millions)
SFMTA	5 Fulton: Arguello to 25th Ave Muni Forward	\$1.2
VTA	Eastridge to BART Regional Connector	\$0.7
AC Transit	AC Transit Quick Build Transit Lanes	\$0.7
Total		\$2.7

TPI Program Grand Total	\$98.3
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**Transit Performance Initiative - Investment Program
Projects by Operator (\$ in millions)**

SFMTA	TPI Award (\$ millions)
Mission Customer First <i>Substantially Complete</i>	\$5.4
N-Judah Customer First <i>Substantially Complete</i>	\$2.4
Bus Stop Consolidation and Roadway Modification (9-San Bruno) <i>Complete</i>	\$4.1
Colored Lanes on MTA Rapid Network <i>Original Scope Complete (added scope ongoing)</i>	\$4.0
Geary BRT Phase 1 <i>Substantially Complete</i>	\$9.6
Mission Bay Loop <i>Complete</i>	\$1.4
West Portal Optimization and Crossover Activation <i>Complete</i>	\$2.2
27-Bryant Tenderloin Transit Reliability Project	\$3.3
5 Fulton: Arguello to 25th Ave Muni Forward	\$1.2
Total SFMTA	\$33.7

AC Transit	TPI Award (\$ millions)
Line 51 Corridor Delay Reduction & Sustainability Project <i>Complete</i>	\$10.5
South Alameda County Major Corridors Travel Time Improvement <i>Complete</i>	\$5.2
San Pablo and Telegraph Rapid Bus Upgrades Project	\$5.0
San Leandro BART -- Transit Access Improvements <i>Substantially Complete</i>	\$0.6
Dumbarton Innovative Deployments to Enhance Arterials (IDEA)	\$1.2
Quick Build Transit Lanes	\$0.7
Subtotal AC Transit Awards	\$23.2
Bay Bridge Forward (AC Transit Double Deckers + Bus Wash + West Grand TSP)	\$10.0
Total AC Transit	\$33.2

VTA	TPI Award (\$ millions)
Light Rail Transit Signal Priority Improvements	\$1.6
Stevens Creek — Limited 323 Transit Signal Priority <i>Original Scope Complete (added scope ongoing)</i>	\$0.7
Mountain View Double Track Improvements – Phase 1 <i>Complete</i>	\$8.0
Santa Clara Light Rail Crossovers and Switches <i>Complete</i>	\$0.5
Eastridge to BART Regional Connector*	\$2.9
Total VTA	\$13.7

Other Operators/Projects	TPI Award (\$ millions)
LAVTA/Dublin — Dublin Boulevard Transit Performance Initiative <i>Complete</i>	\$1.0
SamTrans — Traffic Signal Priority on El Camino Real <i>Complete</i>	\$3.5
BART — Train Seat Modification Project <i>Complete</i>	\$1.5
Novato — Downtown SMART Station <i>Phase 2 Complete (Phase 3 ongoing)</i>	\$0.5
Santa Rosa CityBus — New Transit System Optimization	\$0.4
NVTA — Imola Ave and SR-29 Express Bus Improvements	\$1.5
SolanoExpress — Fairgrounds Drive/SR-37 Bus Stop <i>Complete</i>	\$1.0
Clipper — Phase 3 Implementation <i>Complete</i>	\$8.0
Tri-Delta Transit — Wi-Fi for Bus and Paratransit Rider Connectivity <i>Substantially Complete</i>	\$0.3
Total Other	\$17.7

TPI Program Grand Total	\$98.3
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