

# Metropolitan Transportation Commission Programming and Allocations Committee

June 10, 2020

Agenda Item 2k - 20-0736

## 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, \$95.7 million has been programmed to 34 projects, and 14 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. The FY2017-18 and FY2018-19 LCTOP funds were programmed to AC Transit, SFMTA, and VTA projects to fulfill minimum set asides identified in the Cap and Trade Framework.

MTC held an open call for projects for the FY2019-20 LCTOP TPI funds. Awards were made at the March 25, 2020 Commission meeting. TPI projects awarded this year will begin reporting during the next semi-annual report period.

The COVID-19 crisis has caused delays on some projects due to communication difficulties and suspended construction activities, but a majority of projects have been able to continue with minimal disruptions. The situation continues to evolve and operators are still determining the full extent of impacts due to the crisis.

This program update covers the period from December 2019 through April 2020. Please refer to attachments A and B for further information.

**Issues:** None

**Recommendation:** Receive the TPI Investment Program Semi-Annual Report as an information item

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



---

Therese W. McMillan

**Summary of 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 <i>Complete</i>	\$10.5
San Francisco Municipal Transportation Authority (SFMTA)	Mission Customer First <i>Substantially Complete</i>	\$7.0
	N-Judah Customer First <i>Substantially Complete</i>	\$3.8
	Bus Stop Consolidation and Roadway Modification (9-San Bruno)* <i>Complete</i>	\$4.1
Santa Clara Valley Transportation Authority (SCVTA)	Light Rail Transit Signal Priority Improvements	\$1.6
	Stevens Creek — Limited 323 Transit Signal Priority <i>Complete</i>	\$0.7
<b>Total</b>		<b>\$27.7</b>

\*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 <i>Complete</i>	\$8.0
SCVTA	Mountain View Double Track Improvements – Phase 1 <i>Complete</i>	\$8.0
City of Dublin/ Livermore Amador Valley Transit Authority (LAVTA)	Dublin Boulevard Transit Performance Initiative <i>Complete</i>	\$1.0
AC Transit	South Alameda County Major Corridors Travel Time Improvement <i>Complete</i>	\$5.0
SFMTA*	Colored Lanes on MTA Rapid Network	\$1.0
	Geary BRT Phase 1	\$4.0
<b>Total</b>		<b>\$27.0</b>

\*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	\$10.0
SFMTA	Geary BRT Phase 1	\$5.6
SamTrans	Traffic Signal Priority on El Camino Real	\$3.5
BART	Train Seat Modification Project <i>Complete</i>	\$1.5
AC Transit*	San Pablo and Telegraph Rapid Bus Upgrades Project	\$5.0
SCVTA	Santa Clara Light Rail Crossovers and Switches**	\$0.5
<b>Total</b>		<b>\$26.1</b>

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

\*\*In January 2019, MTC approved reprogramming \$0.5 million from the SCVTA Round 3 Pocket Track Light Rail Interlocking Project to the SCVTA Light Rail Crossovers and Switches project

**4th Round - North Bay** (Approved July 2017)

County	Project	TPI Amount (\$ millions)
Marin	Novato Downtown SMART Station	\$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 <i>Complete</i>	\$1.0
<b>Total</b>		<b>\$2.3</b>

## Summary of Transit Performance Initiative - Investment Program Projects by Round

(\$ in millions)

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

Agency	Project	TPI Amount (\$ millions)
SFMTA	Mission Bay Loop <i>Substantially Complete</i>	\$1.4
SCVTA	North First Street Light Rail Speed and Safety Improvements Project - Phase 1	\$0.9
AC Transit	San Leandro BART -- Transit Access Improvements	\$0.6
AC Transit	South Alameda County Major Corridors Travel Time Improvement Project <i>Complete</i>	\$0.2
<b>Total</b>		<b>\$3.1</b>

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

Agency	Project	TPI Amount (\$ millions)
SFMTA	West Portal Optimization and Crossover Activation	\$2.2
SCVTA	2021 Zero Emission Bus Procurement*	\$1.3
AC Transit	Dumbarton Innovative Deployments to Enhance Arterials (IDEA)	\$1.2
<b>Total</b>		<b>\$4.7</b>

\*This project is not considered eligible for the TPI category but will count toward VTA's minimum set-aside. VTA is expected to commit a like amount of a local funds to a TPI project. Staff will follow up on this commitment through semi-annual TPI updates to the Commission.

### 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	\$0.3
SFMTA	27 Bryant Tenderloin Transit Reliability Project	\$3.3
<b>Total</b>		<b>\$4.7</b>

<b>TPI Program Grand Total</b>	<b>\$95.7</b>
--------------------------------	---------------

**Agenda Item 2k – Attachment B**  
**Programming & Allocations Committee**  
**June 10, 2020**

## **Transit Performance Initiative – Investment Program**

### **Project Updates**



N-Judah Colored Lanes



# TPI Investment Program Summary

- \$96 million distributed since 2012 (federal STP/CMAQ funds and Cap and Trade LCTOP program).
- 3 projects (totaling \$5 million) added to program in March 2020 via LCTOP, will start reporting next round
- 14 projects have been completed or substantially completed.
- Remaining Round 1 & 2 projects in construction, other projects either in design or under construction.
- Some projects suspended due to COVID-19 shelter-in-place effects, others continuing with minimal delays.



# TPI Investment Projects

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	\$4.0
Geary BRT Phase 1	\$9.6
Mission Bay Loop <i>Substantially Complete</i>	\$1.4
West Portal Optimization and Crossover Activation	\$2.2
27-Bryant Tenderloin Transit Reliability Project	\$3.3
<b>Total SFMTA</b>	<b>\$32.5</b>





# TPI Investment Projects – cont'd

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	\$0.6
Dumbarton Innovative Deployments to Enhance Arterials (IDEA)	\$1.2
<b>Subtotal AC Transit Awards</b>	<b>\$22.5</b>
Bay Bridge Forward (AC Transit Double Deckers + Bus Wash + West Grand TSP)	\$10.0
<b>Total AC Transit</b>	<b>\$32.5</b>
VTA	TPI Award (\$ millions)
Light Rail Transit Signal Priority Improvements	\$1.6
Stevens Creek — Limited 323 Transit Signal Priority <i>Complete</i>	\$0.7
Mountain View Double Track Improvements – Phase 1 <i>Complete</i>	\$8.0
Santa Clara Light Rail Crossovers and Switches	\$0.5
North First Street Light Rail Speed and Safety Improvements Project - Phase 1	\$0.9
2021 Zero Emission Bus Procurement* (To be substituted with alternate project)	\$1.3
<b>Total VTA</b>	<b>\$13.0</b>



\*This project is not considered eligible for the TPI category but will count toward VTA's minimum set-aside. VTA is expected to commit a like amount of a local funds to a TPI project. Staff will follow up on this commitment through semi-annual TPI updates to the Commission.

# TPI Investment Projects – cont'd

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





# 1<sup>st</sup> Round Project Updates



## 14-Mission

- Installation of info panels complete
- Stop branding installation delayed due to COVID-19, but expected by the end of 2020
- Bus branding design issues remain, assigning new project manager to resolve and implement

## N-Judah

- TSP, lane colorization, camera elements complete
- Stop branding installation delayed due to COVID-19, but expected by the end of 2020



14-Mission Next Muni sign



## Light Rail TSP

- Equipment has been manufactured and shipped
- Pilot intersection installation and testing has been successfully completed in Sunnyvale
- Agreements with Cities of Santa Clara and San José for local implementation of TSP delayed.
  - Santa Clara agreement is under review
  - San José agreement has been held up over technology issue, but VTA has recently resolved this issue, clearing the way for the agreement to be completed

# 2<sup>nd</sup> Round Project Updates



## Geary Rapid Project Phase 1

- Initial implementation resulted in 1-2 minutes of peak hour transit travel time savings
- All four construction contracts underway; recently began installing pedestrian bulb-outs
- Construction continuing during shelter-in-place
- Transit lane colorization to occur after repaving

## Colored Lanes on Rapid Network

- Fremont St, Clay St, and additional lanes near Transbay Terminal completed
- Colored lane installation suspended during shelter in place, planned schedule dependent on resuming construction during the summer:
  - Fourth St anticipated to be complete in Fall 2020
  - Stockton (additional scope added in 2019) expected to be complete by end of 2020
- SFMTA is planning to request a scope modification to use significant unspent balance for Mission Street bus lane colorization



Geary Pedestrian Bulb-out Installation



Colored Lane on Fremont St.

# 3<sup>rd</sup> Round Project Updates

**samTrans**



## El Camino Real TSP

- Pilot installations on buses and at intersections were successful
- Installations started, but on hold during shelter-in-place
- Prior to shelter-in-place, project was ahead of schedule and under budget



## Light Rail Crossovers and Switches Project

- Construction contract awarded May 2019
- Construction is underway and has continued during shelter-in-place



## Bay Bridge Forward

- **West Grand TSP** – 65% design is complete; initial construction is expected to be completed by the end of 2020, with full build-out planned by June 2021.
- **Double-Decker Bus Wash** – Design of the project is complete and the construction contract has been awarded. Project completion is planned by the end of 2020.

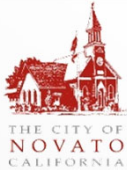


## AC Transit San Pablo/Telegraph

- Both corridors currently in design
- **Telegraph Avenue:** Outreach is shifting to online channels, likely delayed 3 months. Construction management contract expected to be awarded in Fall 2020.
- **San Pablo Avenue:** Completed 65% design and construction management expected to be awarded in May. Construction contract is expected to be advertised in Summer 2020.
- Not yet clear if budget will be affected by COVID-19 – dependent on whether construction on the project would be deemed essential



# 4<sup>th</sup> Round (North Bay) Project Updates



## Novato Downtown SMART Station

### Phase 2 (signaling, systems, station amenities)

- Construction substantially complete, commuter train service commenced in January 2020

### Phase 3 (former Depot site improvements)

- Agreement with developer/operator in-progress
- Construction planned for summer 2020, but schedule significantly impacted by COVID-19
- City is seeking additional funding to complete improvements

Novato SMART Station Construction Progress



Novato SMART Station Bike Parking





# 4<sup>th</sup> Round (North Bay) Project Updates



## **Santa Rosa CityBus New Transit System Optimization**

- 4G installation and electrical work for kiosks completed
- Design work for full installation of hubs underway
- Procurement for mobile ticketing, real time signage, and transit hubs underway
- Delay in procuring mobile ticketing component exacerbated by COVID-19
- All elements expected complete by end of 2020



## **NVTA Imola Ave and SR-29 Express Bus Improvements**

- Design, engineering, and environmental contract awarded April 2019 and expected to be complete in summer 2020
- Construction expected to break ground in June 2020
- Additional award of FY20 LCTOP funds will help cover the construction costs of the expanded scope added since the original award, which includes bus lanes, new signals, and reconstruction of the park-and-ride lot

# FY2017-18 and 2018-19 Low Carbon Transit Operations Program (LCTOP)



## San Leandro BART Transit Access Improvements

- Construction expected to be complete within 3 months
- Transit center includes a bus island equipped for 4 BRT buses and designed for 5-min BRT headways

## Dumbarton IDEA

- 65% design is completed
- Design review by stakeholder agencies has been disrupted by COVID-19
- Planning to award construction management contract in May 2020 and advertise for construction contract during Summer 2020



San Leandro Transit Center Paving



## North First Street Light Rail Speed and Safety Improvements

- Design ongoing, progress slowed by difficulty completing agreements

## TBD project to substitute for Zero Emission Bus Purchase 2021

- Staff is working with VTA to identify project for commitment of local funds in place of ZEB project, which is not eligible for TPI



## Mission Bay Loop

- Construction is nearly complete
- Completion date delayed to end of 2020

## West Portal Optimization and Crossover Activation

- Construction initiated
- Expected complete in mid-2021

