

Metropolitan Transportation Commission Programming and Allocations Committee

July 10, 2019

Agenda Item 2g

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 improve operations and customer experience on major transit corridors and systems, and that can be implemented rapidly. In October 2012, the Commission committed \$82 million in federal Cycle 2 STP/CMAQ funds to the Transit Performance Initiative (TPI) Investment Program. As of July 2017, these funds have been fully programmed.

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 Commission approved programming of approximately \$3 million in FY2017-18 LCTOP funds in March 2018 and approximately \$4.8 million in FY2018-19 LCTOP funds in April 2019 to projects for SFMTA, VTA, and AC Transit. In June 2019, the Commission reprogrammed VTA's FY2018-19 LCTOP project in order to prevent the loss of state funding, and in consultation with VTA; VTA is expected to commit a like amount of local funds toward an eligible TPI project.

To date, \$91 million has been programmed to 31 projects, and 14 of these have been completed or are substantially completed. SFMTA reports a 38% increase in ridership on the 9 and 9R as a cumulative result of improvements on the corridor, which include the 9-San Bruno/Potrero Avenue improvements project. Additional performance results for recently completed and soon-to-be completed projects are expected for the next semi-annual update.

This program update covers the period from December 2019 through May 2019. 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 Project by Round

Attachment B: TPI Investment Program Project Updates Presentation
Slides


Alix Bockelman

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
	Light Rail Transit Signal Priority Improvements	\$1.6
Santa Clara Valley Transportation Authority (SCVTA)	Stevens Creek — Limited 323 Transit Signal Priority <i>Complete</i>	\$0.7
Total		\$27.7

*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
Santa Clara Valley Transportation Authority (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
San Francisco Municipal Transportation Authority (SFMTA)*	Colored Lanes on MTA Rapid Network	\$1.0
	Geary BRT Phase 1	\$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	\$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
VTA	Santa Clara Light Rail Crossovers and Switches	\$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	\$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>Substantially Complete</i>	\$1.0
Total		\$2.3

**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	\$1.4
VTA	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
Total		\$3.1

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
VTA	2021 Zero Emission Bus Procurement*	\$1.3
AC Transit	Dumbarton Innovative Deployments to Enhance Arterials (IDEA)	\$1.2
Total		\$4.7

*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 Program Grand Total	\$90.9
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Item 2g – Attachment B
Programming & Allocations Committee
July 10, 2019

Transit Performance Initiative – Investment Program Project Updates



TPI Investment Program Summary

- \$86 million in federal STP/CMAQ funds over 4 rounds
- Round 1 and 2 projects either complete or entering/under construction
- Round 3 and 4 projects either in design or entering construction
- Annual funding through Cap and Trade LCTOP program
- Future funding through OBAG 2 program



TPI Investment Projects

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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
Subtotal AC Transit Awards	\$22.5
Bay Bridge Forward (AC Transit Double Deckers + Bus Wash + West Grand TSP)	\$10.0
Total AC Transit	\$32.5
SFMTA	TPI Award (\$ millions)
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
Colored Lanes on MTA Rapid Network	\$1.0
Geary BRT Phase 1	\$9.6
Mission Bay Loop	\$1.4
West Portal Optimization and Crossover Activation	\$2.2
Total SFMTA	\$29.1



TPI Investment Projects

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 <i>(reprogrammed)</i>	\$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
Total VTA	\$13.0
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	\$3.5
BART — Train Seat Modification Project <i>Complete</i>	\$1.5
Novato — Downtown SMART Station	\$0.5
Santa Rosa CityBus — New Transit System Optimization	\$0.4
NVTA — Imola Ave and SR-29 Express Bus Improvements	\$0.4
SolanoExpress — Fairgrounds Drive/SR-37 Bus Stop <i>Substantially Complete</i>	\$1.0
Clipper — Phase 3 Implementation <i>Complete</i>	\$8.0
Total Other	\$16.3

*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.

1st Round Project Updates



14-Mission

- Branding installation in-progress; 90% of enhanced stop installation complete

N-Judah

- TSP, lane colorization, camera elements complete
- Stop branding installation will begin when 14-Mission is complete in the coming months
- Will be proposing to shift some cost savings to other corridor improvements

9-San Bruno

- Project is complete and in closeout
- Cumulative impact of improvements on the San Bruno Corridor is a 38% increase in ridership on the 9 and 9R



Light Rail TSP

- Engineering has taken longer than expected due to issues identified during prototype installation.
- Installation is now expected to commence in Summer 2019.
- Funding agreements with the Cities of San Jose and Santa Clara are currently under review

Stevens Creek 323 TSP

- Project is complete; VTA staff are working on a proposal to use unexpended funds for additional maintenance and operations equipment

2nd Round Project Updates



Geary Bus Rapid Transit

- Substantially completed initial project implementation (bus-only lanes, stop changes, near-term pedestrian safety improvements)
- 1st construction contract for pedestrian and transit bulbs and traffic signal upgrade received bids and will be awarded in Summer 2019
- 2nd construction contract for demolition of Steiner bridge will be advertised Summer 2019
- Colorization of transit lanes is being deferred until repaving is complete in late 2020

Colored Lanes

- Fremont St work completed
- Fourth St anticipated to be completed during 2019



Line 97/South Alameda

- Construction is completed and traffic control system is fine-tuned and in operation
- After-study completed in June 2019 and presented to the board later this summer
- Project closeout activities are in-progress



3rd Round Project Updates



El Camino Real TSP

- Design/build contract awarded in May 2019
- Completed design expected by Winter 2019



Light Rail Crossovers and Switches Project

- \$500k reprogrammed by MTC and incorporated into TIP, awaiting approval by FHWA/FTA



AC Transit San Pablo/Telegraph

- Design consultant procured in May 2019
- Design will take place through fall 2019
- RFQs for construction management will be issued in summer and awarded in fall 2019



Bay Bridge Forward

- **West Grand TSP** – Design services procured with the San Pablo/Telegraph project, project kick-off has been completed and outreach is upcoming
- **AC Transit Higher Capacity/Increased Service** – Double decker bus procurement completed and in service; increased frequency service started in 2017 and is in-progress
- **Double-Decker Bus Wash** – Added to program with bus procurement savings; will be out for solicitation soon, expected to be completed within 18 months

4th Round (North Bay) Project Updates



Santa Rosa CityBus New Transit System Optimization

- 4G upgrade and Clipper equipment is currently being procured
- Installation of hubs will start in late 2019 and continue through June 2020

Novato Downtown SMART Station



Phase 2 (signaling, systems, station amenities)

- Construction underway, to be completed within 2019
- Remaining funding through SB1 LPP to be appropriated at August CTC meeting

Phase 3 (former Depot site improvements)

- Agreement with developer/operator in-progress
- Grant was transferred to Phase 2 in Fall 2018, City is seeking alternate funding



4th Round (North Bay) Project Updates



SolanoExpress Fairgrounds Drive/SR-37 Bus Stop

- Construction is substantially completed on the stop, shelter installation is ongoing
- New Red Line service started July 1, 2019, connecting three cities, four PDAs, and four regional transit systems



NVTA Imola Ave and SR-29 Express Bus Improvements

- NVTA plans to expand project to include rebuilding of adjacent park-and-ride facility, but must address a funding shortfall to do so
- Design, engineering, and environmental contract awarded April 2019, completion expected summer 2020
- Plan to start construction in 2020 after completion of design

FY2017-18 Low Carbon Transit Operations Program (LCTOP)



Mission Bay Loop

- Construction continued during this period
- Completion expected Summer 2019



San Leandro BART Transit Access Improvements

- The design phase has been completed and construction has begun, with an anticipated completion date of December 2019



North First Street Light Rail Speed and Safety Improvements

- Transit Signal Priority and pedestrian safety improvements in San Jose
- Design still in progress

