

# Metropolitan Transportation Commission Programming and Allocations Committee

July 13, 2016

Item Number 2f

## Transit Performance Initiative (TPI) Investment Program Update

**Subject:** Transit Performance Initiative Investment Program Semi-Annual Report

**Background:** The TPI Investment program funds low-cost capital improvements that improve operations and customer experience in high ridership corridors. The improvements are intended to be implemented quickly, as they build on existing transit agency efforts to improve service productivity.

**Round 1:** In May 2012, the Commission programmed approximately \$28 million for the first round of the TPI investment projects, focusing on major transit corridors of AC Transit, SFMTA, and VTA. The grant awards (shown in the table below) fund project elements that improve speed, reduce travel times, and enhance customer experience. Once operational, these projects collectively are estimated to save over \$4 million in annual operating costs and reduce travel time by 5-25% for the approximately 200,000 daily riders on these routes.

Agency	Project	TPI Award (In Million \$)
AC Transit	Line 51 Corridor Speed Protection and Restoration	\$10.5
SFMTA	Mission Customer First	\$7.0
	N-Judah Customer First	\$3.8
	Bus Stop Consolidation and Roadway Modifications (9 San Bruno)	\$4.1
VTA	Light Rail Transit Signal Priority Improvements	\$1.6
	Stevens Creek – Limited 323 Transit Signal Priority	\$0.7
<b>Total</b>		<b>\$27.7</b>

This is the seventh semi-annual update to the Committee, covering the period from December 2015 through May 2016. The attached presentation includes updates for all projects. In this period, the AC Transit Line 51 project completed construction, and has already seen travel-time savings, with more expected. Key milestones have been achieved in SFMTA’s Mission Customer First project and VTA’s Stevens Creek projects, which are also seeing early travel-time savings. SFMTA’s N-Judah and 9-San Bruno projects are well underway. VTA’s Light Rail is about a year away from completion.

As Round 1 projects move into full operations, staff will continue to work with project sponsors to monitor performance improvements.

**Round 2:** In March 2014, the Commission programmed \$8 million in TPI Investment funds for the Clipper Phase 3 implementation for small operators. Clipper is now in use for thirteen of those operators, with expansion to SMART and Union City Transit to follow. More information is on the attached slides.

In September 2014, the Commission programmed \$19 million for the second round of TPI projects, listed below:

Agency	Project	TPI Award (In Million \$)
AC Transit	South Alameda County Major Corridors Travel Time Improvement	\$5.0
SFMTA	Colored Lanes on MTA Rapid Network	\$1.8
	Muni Forward Capital Transit Enhancements	\$3.2
VTA	Mountain View Light Rail Double Track Improvements	\$8.0
Dublin/ LAVTA	Dublin Boulevard Transit Performance Initiative	\$1.7
<b>Total</b>		<b>\$19.0</b>

The VTA Mountain View Double Track project, open for operations, has had significant on-time reliability improvements for the Mountain View station, a major transfer point to Caltrain. VTA is also evaluating future service improvements that will be made possible by this project. The AC Transit and Dublin/LAVTA second round projects have procurements underway or soon to take place, with construction estimated to be complete in 2017.

**Future:** Staff anticipates a third round of projects/programming in 2016.

**Issues:** SFMTA was awarded a total of \$5.0 million for two projects in round two. However, due to restrictions in San Francisco's local General Obligation bond funds, SFMTA is now using local funds to construct most of these project elements. Therefore, the specific projects approved by the Commission in September 2014 will not be constructed with TPI funds. Staff plans to return to this committee with a proposal for addressing this issue.

**Recommendation:** Information

**Attachments:** Presentation

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# Transit Performance Initiative (TPI) Investment Program Update



Programming and Allocations  
Committee

July 13, 2016

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# TPI Investment Program

## 1<sup>st</sup> Round Overview

Agency	Project	TPI Award (in \$million)
AC Transit	Line 51 Corridor Delay Reduction & Sustainability Project	\$ 10.5
San Francisco Municipal Transportation Authority (SFMTA)	Mission Customer First	\$ 7.0
	N-Judah Customer First	\$ 3.8
	Bus Stop Consolidation and Roadway Modification (9-San Bruno)*	\$ 4.1
Santa Clara Valley Transportation Authority (SCVTA)	Light Rail Transit Signal Priority Improvements	\$ 1.6
	Stevens Creek — Limited 323 Transit Signal Priority	\$ 0.7
<b>Total</b>		<b>\$ 27.7</b>

\*Scope determined Sept. 2014. Project reports with Round 2 projects



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

- **Line 51 Corridor Delay Reduction & Sustainability Project**
  - Construction complete
  - Transit Signal Priority is in use; Queue Jumps to be placed in service this summer
  - Full follow-up study to be conducted in Fall; already seeing travel-time savings





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

## ➤ Light Rail Transit Signal Priority Improvements

- Contract award now expected end of 2016; delayed due to legal uncertainty in vendor industry
- Developing funding agreements with local jurisdictions
- Completion now expected Summer 2017

## ➤ Stevens Creek 323 Transit Signal Priority

- Installation complete on 30 buses and in bus yard
- Transit Signal Priority in use in Cupertino and majority of San Jose; installation forthcoming in Santa Clara and on Caltrans right of way
- Installation completion expected Fall 2016
- Already seeing two-minute travel time decreases along route





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

## ➤ Mission Customer First

- Transit lane colorization complete
- Transit signal priority installed
- Muni Forward branding work on buses and stops underway
- 2-minute travel time reduction so far, more expected
- Safety: two Muni-related collisions/incidents in project corridor since March 27; typical 8-week period prior to construction saw 20+ Muni-related collisions

## ➤ N-Judah Customer First

- Transit signal priority equipment installed in conjunction with Sunset Tunnel shutdowns
- Transit lane colorization complete
- Remaining work needed: power connection at several intersections
- Expected to be fully operational Winter 2016/17



# TPI Investment Program

## 2<sup>nd</sup> Round Overview

Agency	Project	TPI Award (in \$million)
AC Transit	South Alameda County Major Corridors Travel Time Improvement	\$ 5.0
San Francisco Municipal Transportation Authority (SFMTA)	Colored Lanes on MTA Rapid Network	\$ 1.8
	Muni Forward Capital Transit Enhancements	\$ 3.2
Santa Clara Valley Transportation Authority (SCVTA)	Mountain View Double Track Improvements – Phase 1	\$ 8.0
City of Dublin/ Livermore Amador Valley Transit Authority (LAVTA)	Dublin Boulevard Transit Performance Initiative	\$ 1.7
<b>Total</b>		<b>\$ 19.0</b>







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

- **Colored Lanes on MTA Rapid Network**
- **Muni Forward Capital Transit Enhancements**
  - Work underway using local bond funds
  - Staff to return with proposal for these funds
- **9-San Bruno: Potrero Ave Fast Track Transit and Streetscape Improvements**
  - Construction underway; TPI work part of larger Public Works project
  - Expected completion by Spring 2018



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



- **AC Transit South Alameda County Major Corridors Travel Time Improvement**
- **LAVTA Dublin Boulevard Transit Performance Initiative**
  - Both projects working with MTC Next Generation Arterial Operations Program
  - Systems Engineering complete
  - AC Transit procurements to take place this summer; construction completion estimated by Fall 2017
  - LAVTA procurement underway; construction completion estimated by Spring 2017





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

### ➤ Mountain View Light Rail Double Track

- All construction work completed; open for passenger service
- Improved reliability, better Caltrain connection
- Trains operating freely in both directions in and out of Mountain View
- Improved service to and from Levi's Stadium events
- Capacity for second Mountain View line when ridership warrants





# Clipper Phase 3 Implementation Update

- In March 2014, \$8 million in TPI-Investment funds were committed for Clipper expansion on small operators.

**LAUNCHED:**  
SF-Vallejo Ferry, Marin Transit,  
Napa/Solano Counties



**LAUNCHED: Sonoma  
City/County Bus**

**Sonoma County Transit**



**Fall 2016**



**LAUNCHED: East Bay Suburban Bus**

**The County Connection**



**Winter 2016/17**

**Union City Transit**

