

# Metropolitan Transportation Commission Programming and Allocations Committee

December 9, 2015

Item Number 2d

## 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, enhance customer experience, and can be implemented quickly consistent with the program objectives. 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 sixth semi-annual update to the Committee, covering the period from June through November 2015. The attached presentation includes updates for all projects. All projects have experienced schedule delays and adjustments. However, the projects are progressing, and all have reached the construction or procurement phase, with some nearing final completion.

As Round 1 projects move into the final construction and implementation phases, staff will work with project sponsors to monitor construction progress as well as operational performance upon project completion.

**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 ten of those operators, with further expansion in progress for the next two years. 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 opened for operation in late November, after successful completion of testing and training. This project, which adds a second track between the Mountain View and Whisman stations, is expected to have 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. Other second round projects have begun development and systems engineering as applicable.

**Future:** The next semi-annual update and program assessment for the first round of the TPI projects is scheduled for June 2016. Staff anticipates a third round of projects/programming in 2016.

**Issues:** A TPI program goal is to fund projects that can be implemented quickly. In practice however, several of the projects have been delayed due to objections raised by local jurisdictions or coordination with related projects. Staff will continue to monitor project progress and advocate for streamlining their implementation.

**Recommendation:** Information.

**Attachments:** Presentation

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Programming and Allocations  
Committee

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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 and punchlist essentially complete
- Final system coordination and activation underway
- Follow-up study reporting to come

Bus Stop Improvements, Alameda



Queue Jump Signal, Oakland





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

- **Light Rail Transit Signal Priority Improvements**
  - Contract award expected early 2016
  - Developing funding agreements with local jurisdictions
  - Completion expected Fall 2016
- **Stevens Creek 323 Transit Signal Priority**
  - Installation complete on 30 buses
  - Testing completed in Cupertino, underway in San Jose; installation forthcoming in Santa Clara and on Caltrans right of way
  - Completion expected Summer 2016





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

## ➤ Mission Customer First

- Transit lane colorization under construction, nearly complete
  - Initial results suggest 15% travel time reduction and 25% travel time variability reduction
  - Red paint has been effective passive enforcement strategy
- Transit signal priority installed
- Muni Forward branding work underway

## ➤ N-Judah Customer First

- Continued delays on Sunset Tunnel shutdowns, which are key to implementing project
- Transit signal priority and colorized lanes to be implemented
- Completion expected Summer 2016



# 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**
  - Both projects consist of multiple components and locations
  - Final project development underway
- **9-San Bruno: Potrero Ave Fast Track Transit and Streetscape Improvements**
  - Contract awarded; 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
  - Transit agencies to handle procurement; working with cities on agreements and MOUs



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

### ➤ Mountain View Light Rail Double Track

- **Opened in late November** after successful testing and training
- Significant on-time reliability improvements for Mountain View station are expected (major Caltrain transfer point)
- VTA evaluating future service improvements made possible by this project





# 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



**Winter 2015/16: Sonoma  
City/County Bus**

**SonomaCountyTransit**



**Summer 2016**



**Fall 2016**



**LAUNCHED: East Bay Suburban Bus**

