

# Metropolitan Transportation Commission Programming and Allocations Committee

October 9, 2013

Item Number 2g

## Transit Performance Initiative (TPI) Investment: Program Update

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**Subject:** TPI – Major Corridors 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 can be implemented quickly, as they build on existing transit agency efforts to identify ways to improve service productivity.

In May 2012, the Commission programmed \$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 (subject to environmental)	\$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 second semi-annual update to the Committee, covering the period January through August 2013. The attached presentation depicts the baseline scope, schedule and budget for the individual projects and tracks their progress to date. Overall, the projects are generally on schedule. Projects have largely either completed or are well underway with preliminary engineering and design. Staff will continue to work with project sponsors to monitor the projects and look for ways to speed project delivery.

The next semi-annual update and initial program assessment for the first round of the TPI projects is scheduled for spring 2014. Staff is working with operators to develop program guidelines for the second round of the TPI program, with the intent to release the second Call for Projects (approximately \$27 million) and to recommend project awards in spring 2014. Staff anticipates a third round of projects/programming in 2015.

**Issues:** None.

**Recommendation:** Information.

**Attachments:** PowerPoint Presentation

# Transit Performance Initiative (TPI) Investment: **Program Update**



October 9, 2013

Programming &  
Allocations Committee

# TPI Investment Program Overview

## Goals/Strategy:

- Low cost capital investments to improve operations and customer experience
- Quick implementation/leverage existing agency efforts
- Semi Annual monitoring of project progress by MTC

## Benefits:

- Estimated Travel Time savings - 5 - 25%
- Collective annual operating cost savings - \$4 million
- Speed improvements & Enhanced Customer Experience

## Funding:

- \$28 million - programmed to five projects (1st round)
- \$54 million - remaining to be programmed

# TPI Investment Program Overview – 1<sup>st</sup> Round

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 ( <i>Scope TBD</i> )	\$ 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>
Reserve for Future TPI Round		\$ 2.3

# AC Transit Line 51 – Corridor Delay Reduction & Sustainability Project

*\*TPI Funding: \$10.5 M*

## *Scope*

- Signal Interconnectivity, Signal Retiming & Transit Signal Priority
- Signal Modifications
- Queue Jump Lanes
- Bus Bulbs & Dedicated Bus Lanes
- Bus Stop Modifications/Relocations



## *Budget/Schedule*

Phases	Budget	%	Start	End	Months
Preliminary Engineering & Environmental Studies	\$487,011	3.7%	Jan-2013	Aug-2014	20
Design Engineering	\$968,260	7.3%	July-2013	Dec-2013	5
Construction	\$11,860,353	89.1%	Jan-2014	Jul-2014	8
<b>Total</b>	<b>\$13,315,624*</b>	<b>100%</b>			<b>32</b>

*Project Completion: July 2014*

# AC Transit Line 51 – Corridor Delay Reduction & Sustainability Project

## Status/Activities

### *Completed*

- Preliminary Engineering plans
- Community meetings
- Memorandum of Understanding (MOU) development with cities
- Design consultant contract awarded; design started

### *Upcoming*

- Completion of 35% Design
- Presentations to Transportation Commissions and City Councils
- Finalize MOUs with cities
- RFQ for Construction Engineering; Preparation of Construction bid package

**Status: On Schedule**

# SFMTA Mission Customer First

*\*TPI Funding: \$7 M*

## *Scope:*

- Colorizing existing dedicated transit lanes
- Transit Signal Priority
- Vehicle Branding
- Enhanced Stop Identification



## *Budget/Schedule*

Phases	Budget	%	Start	End	Months
Preliminary Engineering & Environmental Studies ✓	\$522,000	5%	Apr-2012	Jun-2013	14
Design Engineering	\$2,088,000	20%	Jan-2013	Oct-2013	9
Construction	\$7,830,000	75%	Jul-2013	Jun-2014	11
<b>Total</b>	<b>\$10,440,000*</b>	<b>100%</b>			<b>34</b>

*Project Completion: June 2014*

# SFMTA Mission Customer First

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## Status/Activities

### Completed

- Field survey for paving and sewer repair
- Purchased all Transit Signal Priority (TSP) equipment
- Preliminary design of information panel units

### Upcoming

- Street repair and lane painting
- Configuration and installation of TSP equipment
- Location selection for information panels
- Branding: evaluation of alternatives, selection, implementation

**Status: On Schedule**

# SFMTA N-Judah Customer First

*\*TPI Funding: \$3.8M*

## Scope

- Color coding existing dedicated transit lanes
- Transit Signal Priority
- Vehicle Branding
- Enhanced Stop Identification



## Budget/Schedule

Phases	Budget	%	Start	End	Months
Preliminary Engineering & Environmental Studies ✓	\$183,000	3%	Apr-2012	Jun-2013	14
Design Engineering	\$671,000	11%	Jan-2013	Oct-2013	9
Construction	\$5,246,000	86%	Jul-2013	Jun-2014	11
	\$6,100,000*	100%			34

*Project Completion: June 2014*

# SFMTA N-Judah Customer First

## Status/Activities

### Completed

- Field survey
- Preliminary design of information panel units

### Upcoming

- Colored lanes cost estimate & installation
- TSP installation
- Location selection for information panels
- Branding: evaluation of alternatives, selection, implementation

**Status: On Schedule**

# VTA Stevens Creek – Limited 323

*\*TPI Funding: \$0.7M*

## Scope

- Transit signal prioritization



## Budget/Schedule

Phases	Budget	%	Start	End	Months
Preliminary Engineering & Environmental Studies ✓	-	0	Aug-2012	Apr-2013	8
Design Engineering ✓	\$8,700	1.1%	Apr-2013	Aug-2013	4
Construction	\$796,550	98.9%	Aug-2013	Feb-2014	10
<b>Total</b>	<b>\$805,250*</b>	<b>100%</b>			<b>18</b>

*Project Completion: Feb 2014*

# VTA Stevens Creek – Limited 323

## Status/Activities

### Completed

- FTA funding and work authorization secured
- Preliminary Engineering & Environmental studies complete
- Design Engineering complete

### Upcoming

- Funding agreements with cities for equipment installation
- Materials procurement
- Installation/construction

**Status: On Schedule**

# VTA Light Rail Transit System

*\*TPI Funding: \$1.6M*

## Scope

- Transit signal prioritization & light rail vehicle detection system



## *Budget/Schedule*

Phases	Budget	%	Start	End	Months
Preliminary Engineering & Environmental Studies	\$39,000	2.2%	Oct-2012	Oct-2013	12
Design Engineering	\$433,688	24.2%	Apr-2013	Oct-2013	6
Construction	\$1,320,125	73.6%	Nov-2013	Aug-2014	9
<b>Total</b>	<b>\$1,792,813*</b>				<b>22</b>

*Project Completion: August 2014*

# VTA Light Rail Transit System



## Status/Activities

### Completed

- Traffic signal inventory
- Draft Concept of Operations plan developed in coordination with cities
- Comparison of technology review

### Upcoming

- Finalize Concept of Operations plan
- Preliminary Engineering and Design to be completed Oct. 2013
- Construction to start Nov. 2013

**Status: On Schedule**

# Program Outlook/Next Steps

- **Next semi annual update/initial program assessment – Spring 2014**
- **2<sup>nd</sup> TPI funding round**
  - Guideline development – Fall 2013
  - Programming and Allocations Committee authorizes call for projects – Late 2013
  - Commission considers program of projects – Spring 2014
- **3<sup>rd</sup> TPI funding round**
  - Early 2015