

# Metropolitan Transportation Commission Programming and Allocations Committee

May 14, 2014

Item Number 2e

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

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**Subject:** TPI – Investment Round 1 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 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 (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 third semi-annual update to the Committee, covering the period October 2013 through April 2014. The attached presentation depicts the baseline scope, schedule and budget for the individual projects and tracks their progress to date. All projects have experienced schedule delays and adjustments. However, the projects are progressing and have a clear path toward construction in the coming months, if not already begun.

SFMTA installed Transit Signal Priority on Mission Street in March, and has already seen time savings of nearly five minutes per run on the 14-Mission and 14L-Mission. Newly installed colorized lanes on Third Street, similar to those that will be funded by the TPI on Mission Street, have increased travel time reliability. SFMTA is also preparing for N-Judah construction/installation work in coordination with shutdowns on the line. AC Transit will begin construction on Line 51 work this summer. VTA is beginning the procurement process and finalizing local agreements for transit signal priority on its light rail and Stevens Creek Limited 323 bus.

Construction and equipment installation for these projects should largely be completed by early 2015. 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 fall 2014. MTC released a call for projects for the second round of the TPI program (\$27 million, with \$8 million reserved for Clipper Phase 3) and will be recommending project awards in the coming months. Staff anticipates a third round of projects/programming in 2015.

**Issues:** None.

**Recommendation:** Information.

**Attachments:** PowerPoint Presentation

# Transit Performance Initiative (TPI) Investment: Program Update



May 14, 2014

Programming &  
Allocations Committee

METROPOLITAN TRANSPORTATION COMMISSION

## TPI Investment Program Overview <sup>2</sup>

### 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

### 1<sup>st</sup> Round Benefits (\$28 million):

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

### Future Funding Rounds:

- \$54 million - remaining to be programmed
  - Spring 2014- \$27 million (2nd round -- \$8 million Clipper 3 set-aside)
  - Mid 2015 - \$27 million (3rd round - proposed)

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

Agency	Project	TPI Award
AC Transit	Line 51 Corridor Delay Reduction & Sustainability Project	\$ 10,515,624
San Francisco Municipal Transportation Authority (SFMTA)	Mission Customer First	\$ 7,016,395
	N-Judah Customer First	\$ 3,750,574
	Bus Stop Consolidation and Roadway Modification ( <i>Scope TBD</i> )	\$ 4,133,031
Santa Clara Valley Transportation Authority (SCVTA)	Light Rail Transit Signal Priority Improvements	\$ 1,587,176
	Stevens Creek — Limited 323 Transit Signal Priority	\$ 712,888
<b>Total</b>		<b>\$ 27,715,688</b>
Reserve for Future TPI Round		\$ 2,284,312

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## 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 ✓	\$560,000	3.9%	Jan-2013	Mar-2014	15
Design Engineering ✓	\$1,393,500	9.6%	July-2013	Apr-2014	9
Construction	\$12,525,222	86.5%	Jun-2014	Dec-2014	6
<b>Total</b>	<b>\$14,478,722</b>	<b>100%</b>			<b>32</b>

*Project Completion: December 2014*

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

## Status/Activities

### Completed

- Public outreach
- Design
- Bid set advertised early April

### Upcoming

- Award of construction contract (May)
- City agreements signed (June)
- Construction begin (June)
- Construction completed by end of 2014
- Signal timing, etc. completed by first quarter of 2015

**Status: Schedule delayed; Project on track**

# SFMTA Mission Customer First

*\*TPI Funding: \$7 M*

### Scope:

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



Newly colorized lanes on 3<sup>rd</sup> Street (April 2014)

### Budget/Schedule

Phases	Budget	%	Start	End	Months
Preliminary Engineering & Environmental Studies <span style="color: green;">✓</span>	\$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	Dec-2014	17
<b>Total</b>	<b>\$10,440,000</b>	<b>100%</b>			<b>40</b>

*Project Completion: December 2014*

# SFMTA Mission Customer First

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## Status/Activities

### Completed

- Field survey for paving and sewer repair
- Preliminary design of info panel units
- TOEL camera installation (ongoing on rolling basis)
- Configuration and installation of TSP equipment

### Upcoming

- Street repair and lane painting
- Location selection for info panels
- Branding: selection and implementation

**Status: Schedule delayed; Project on track**

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# SFMTA N-Judah Customer First

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*\*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	Dec-2014	17
<b>Total</b>	<b>\$6,100,000</b>	<b>100%</b>			<b>40</b>

*Project Completion: December 2014*

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# SFMTA N-Judah Customer First

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## Status/Activities

### Completed

- Field survey
- Preliminary design of info panel units

### Upcoming

- Colored lanes and TSP installation, in coordination with N-Judah shutdown
- Location selection for info panels
- Branding: selection and implementation

**Status: Schedule delayed; Project on track**

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# VTA Stevens Creek – Limited 323

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*\*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	May-2014	13
Construction	\$796,550	98.9%	May-2014	Oct-2014	5
<b>Total</b>	<b>\$805,250*</b>	<b>100%</b>			<b>26</b>

*Project Completion: October 2014*

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# VTA Stevens Creek – Limited 323

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## Status/Activities

### Completed

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

### Upcoming

- Agreements with cities for equipment installation
- Materials procurement (begun)
- Installation/construction

**Status: Schedule delayed; Project on track**

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# VTA Light Rail Transit System

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*\*TPI Funding: \$1.6M*

## Scope

- Transit signal prioritization & light rail vehicle detection system



## Budget/Schedule

Phases	Budget	%	Start	End	Months
Preliminary Engineering & Environmental Studies <span style="color: green;">✓</span>	\$39,000	2.2%	Oct-2012	Mar-2014	17
Design Engineering	\$433,688	24.2%	Mar-2014	June-2014	3
Construction	\$1,320,125	73.6%	June-2014	Mar-2015	9
<b>Total</b>	<b>\$1,792,813*</b>				<b>29</b>

*Project Completion: March 2015*

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# VTA Light Rail Transit System



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## Status/Activities

### Completed

- Preliminary engineering completed
- Technology selected

### Upcoming

- Procurement process
- Installation

**Status: Schedule delayed; Project on track**

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## Program Outlook/Next Steps

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- **Next semi annual update/initial program assessment – Fall 2014**
- **2<sup>nd</sup> TPI funding round**
  - Call for projects – Due April 2014
  - Programming – Summer 2014
- **3<sup>rd</sup> TPI funding round**
  - Spring 2015

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