

Metropolitan Transportation Commission Programming and Allocations Committee

March 6, 2013

Item Number 4a

Transit Performance Initiative (TPI) Investment: Program Update

Subject: TPI – Major Corridors Program Update

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 recommended 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
AC Transit	Line 51 Corridor Speed Protection and Restoration	\$10,515,624
SFMTA	Mission Customer First	\$7,016,395
	N-Judah Customer First	\$3,750,574
	Bus Stop Consolidation and Roadway Modifications (subject to environmental)	\$4,133,031
VTA	Light Rail Transit Signal Priority Improvements	\$1,587,176
	Stevens Creek – Limited 323 Transit Signal Priority	\$712,888
Total		\$27,715,688

This is the first semi-annual update to the Committee covering the period July through December 2012. The attached presentation depicts the baseline scope, schedule and budget for the individual projects and tracks their progress to date against these baseline documents. Overall, the projects are still in the initial stages, and some are slightly behind schedule. 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 2013. Additionally, staff

will work with operators over the spring/summer to develop program guidelines for the second round of the TPI program, with an intent to release the second Call for Projects (approximately \$27 million) by the fall of 2013 and program funds towards selected projects by late 2013. Staff anticipates a third round of projects/programming in 2015.

Issues: None.

Recommendation: Information.

Attachments: PowerPoint Presentation

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



March 6, 2013

Programming &
Allocations Committee

TPI Investment Program Overview

Goals/Strategy:

- Low cost capital investments to improve operations and customer experience
- Quick implementation/leverage existing transit 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
 - Late 2013 - \$27 million (2nd round - proposed)
 - Early 2015 - \$27 million (3rd round - proposed)

TPI Investment Program Overview – 1st 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
Total		\$ 27,715,688
Reserve for Future TPI Round		\$ 2,284,312

AC Transit Line 51 – Corridor Delay Reduction & Sustainability Project

**TPI Funding: \$10.5 M*

Scope

- Signal Interconnectivity, Signal Retiming & Transit Signal Priority
- Signal Installations/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	19
Design Engineering	\$968,260	7.3%	May-2013	Oct-2013	5
Construction	\$11,860,353	89.1%	Nov-2013	Jul-2014	8
Total	\$13,315,624*	100%			32

Project Completion: July 2014

AC Transit Line 51 – Corridor Delay Reduction & Sustainability Project

Status/Activities

Completed

- Identified local match to augment MTC administered CMAQ funds
- Grant Application submitted to FTA
- Consultant brought on board for PE and environmental evaluation
- Preparations for procurement of Design Consultant

Upcoming

- Environmental and PE tasks to be sufficiently completed to develop a detailed project design scope.
- Solicitation process for the Design Consultant; hiring by June 2013
- Consultant to begin public outreach in Spring 2013

Status: On Schedule

SFMTA Mission Customer First

**TPI Funding: \$7 M*

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	\$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
Total	\$10,440,000*	100%			34

Project Completion: June 2014

SFMTA Mission Customer First

7

Status/Activities

Completed

- Identified local match (Lifeline grant - \$5.3 million) to augment MTC administered CMAQ funds
- Grant Application submitted to FTA; Approved

Upcoming

- Draft an implementation plan for all project elements
- Begin Environmental & PE tasks

Status: Behind 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

- Identified local match (Prop K- \$716,140) to augment MTC administered CMAQ funds
- Grant Application submitted to FTA; Approved

Upcoming

- Draft an implementation plan for all project elements
- Begin Environmental & PE tasks

Status: Behind 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	Apr-2013	6
Design Engineering	\$433,688	24.2%	Apr-2013	Aug-2013	4
Construction	\$1,320,125	73.6%	Sep-2013	Jun-2014	9
Total	\$1,792,813*				19

Project Completion: June 2014

VTA Light Rail Transit System



Status/Activities

Completed

- Identified local match
- Grant Application submitted to FTA
- Development of traffic signal inventory
- Development of Systems Engineering Management Plan – in progress

Upcoming

- Completion of Systems Engineering Management Plan
- Completion of Environmental & PE tasks

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	Jan-2013	5
Design Engineering	\$8,700	1.1%	Jan-2013	Apr-2013	3
Construction	\$796,550	98.9%	Apr-2013	Feb-2014	10
Total	\$805,250*	100%			18

Project Completion: Feb 2014

VTA Stevens Creek – Limited 323

Status/Activities

Completed

- Identified local match
- Grant Application submitted to FTA
- Development of traffic signal inventory – in progress
- Systems Engineering Management Plan – draft in review with FHWA

Upcoming

- Completion of Inventory and “Concept of Operations” document
- Approval of Systems Engineering Management Plan by FHWA

Status: Behind Schedule

Program Outlook/Next Steps

- **Next semi annual update/initial program assessment – Fall 2013**
- **2nd TPI funding round**
 - Guideline development – Spring/Summer 2013
 - Call for projects – Fall 2013
 - Programming – Late 2013
- **3rd TPI funding round**
 - Early 2015