



Transit Performance Initiative (TPI) - Investment

Regional investment in supportive infrastructure to achieve performance improvements in major transit corridors

- **Initial Round:**

\$30 million pilot program focused on major transit corridors of AC Transit, SFMTA, SamTrans and VTA

- **Future Rounds:**

If pilot successful, future rounds could include projects with high benefit/cost such as additional major bus and light rail corridors, BART Metro and Caltrain operational improvements



TPI – Selection Process

- **Call for Projects - Issued February 2012**
 - 5 applications from 3 agencies
 - \$34 million Request
 - Evaluated based on:
 - Project readiness & project management capacity
 - Cost effectiveness and performance indicators
- **Recommendation:**
 - Fund elements of all 5 projects totaling \$27.7 million



TPI – Recommendation

Agency	Project	Staff Recommendation
AC Transit	Line 51 Corridor Speed Protection and Restoration	\$10,515,624
San Francisco Municipal Transportation Authority (SFMTA)	Mission Mobility Maximization	\$7,016,395
	N-Judah Mobility Maximization	\$3,750,574
	Bus Stop Consolidation and Roadway Modifications <i>(subject to environmental)</i>	\$4,133,031
Santa Clara Valley Transportation Authority (VTA)	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 – Speed Protection & Restoration Project

Recommended TPI Funding: \$10.5 M

Estimated Total Project Cost: \$13.3 M

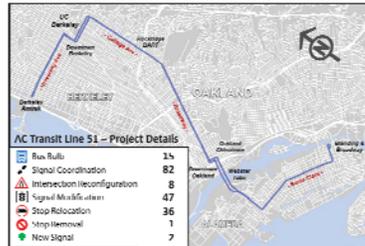
Project:

- Conduit and Hardware for Signal Interconnectivity
- Signal Retiming
- Signal Cabinet Upgrades to facilitate modernization
- Signal Modifications
- Queue Jump Lanes
- Bus Bulbs
- Stop Relocations



Benefits:

- Estimated travel time savings – 17-19%
- Cost Savings - \$1 M annually
- Speed improvements
- Additional benefits that increase ridership, reduce auto trips, and positive air quality benefits



Project Completion: July 2014

SFMTA Mission Mobility Maximization

Recommended Early Delivery TPI Funding: \$7 M

Estimated Total Project Cost: \$13.2M

Project:

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



Benefits:

- Estimated travel time savings 5-7%
- Speed Improvements to the heavily utilized mission corridor
- Cost savings - \$700,000 annually (from elimination of a bus cycle)
- Enhanced customer experience
- Increase ridership, reduce auto trips, and positive air quality benefits.



Project Completion: March 2015

SFMTA N-Judah Mobility Maximization

Recommended Early Delivery TPI Funding: \$3.8 M
Estimated Total Project Cost: \$10.3M

Project:

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

Benefits:

- Estimated travel time savings 2-3%
- Speed Improvements to the heavily utilized light rail line
- Enhanced customer experience
- Increase ridership, reduce auto trips, and positive air quality benefits.



Project Completion: March 2015

SFMTA Mission Mobility & N-Judah Mobility Maximization

\$4.1 million for post-environmental elements for Mission and N-Judah Corridors

Project (subject to ENV approval):

- Bus stop consolidation
- Roadway modifications

Benefits:

- Mission Mobility - Estimated travel time savings of 20%*
- N-Judah Mobility - Estimated travel time savings of 22%*
- Enhanced customer experience
- Additional benefits that increase ridership, reduce auto trips, and positive air quality benefits.



Project Completion: TBD



*Cumulative with other TPI investments

VTA Light Rail Transit System

Recommended TPI Funding: \$1.6 M
Estimated Total Project Cost: \$1.8 M

Project:

- Transit signal prioritization & light rail vehicle detection system

Estimated Benefits:

- Travel time savings 5%
- Reduction in annual revenue hours 5%
- Increase in ridership 2.5%
- Cost savings - \$1.6 - \$3.1 M annually
- Improve travel speed, reduce auto trips, and positive air quality benefits.

Project Completion: June 2013



VTA Stevens Creek – Limited 323

Recommended TPI Funding: \$0.7 M
Estimated Total Project Cost: \$0.8 M

Project:

Transit signal prioritization

Benefits:

- Travel time savings 23%
- Speed improvements and reduction in revenue hours
- Improve travel speeds, reduce auto trips and positive air quality benefits

Project Completion: November 2013

