

Metropolitan Transportation Commission Programming and Allocations Committee

June 14, 2017

Agenda Item 2k

Program Updates: Regional Measure 2 Capital Program and Transit Performance Initiative Investment Program Semi-Annual Reports

Subject: Semi-annual updates on the Regional Measure 2 (RM2) Capital Program and Transit Performance Initiative (TPI) Investment Program

Background: **RM2 Capital Program**

RM2 was passed by the voters in March 2004 and the Commission began allocating funds in July 2004. The attached staff presentation is the semiannual report for the RM2 capital program.

Allocation/Expenditure Status

The RM2 Capital Program has a programmed amount of approximately \$1.6 billion, with an additional \$74 million from unneeded financing cost coverage programmed to projects by the Commission in December 2016. As of April 2017, MTC has approved more than \$1.5 billion in capital allocations, of which over \$1.3 billion has been expended.

Project Status

The majority of projects are completed or are on track and under construction. Highlights of this report include the opening of the BART Warm Springs Extension in March 2017; the delivery of a new ferry vessel to the Water Emergency Transportation Authority; and the delivery of vehicles for e-BART. The Transbay Terminal is making major construction progress toward the completion of Phase 1. AC Transit East Bay Bus Rapid Transit has entered its major construction phase. I-880 North Safety Improvements in Oakland have made progress, with a focus on the reconstruction of the 29th Avenue Overcrossing. The opening of SMART is expected in summer 2017, with testing underway. And in a remarkable turnabout, Caltrain was awarded a Full Funding Grant Agreement, completing the Electrification project funding plan. Notices to proceed are expected for the design-build work and vehicle fabrication in June.

Staff continues to work with sponsors to move projects with remaining unallocated funds toward construction. Overall, staff continues to monitor projects to ensure continued progress.

TPI Investment Program

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.

This update covers the period from December 2016 through May 2017. Please refer to the attached presentations for more information.

Issues: None

Recommendation: Information

Attachments: Presentation Slides

Regional Measure 2: Capital Program Update

WARM SPRINGS / SOUTH FREMONT

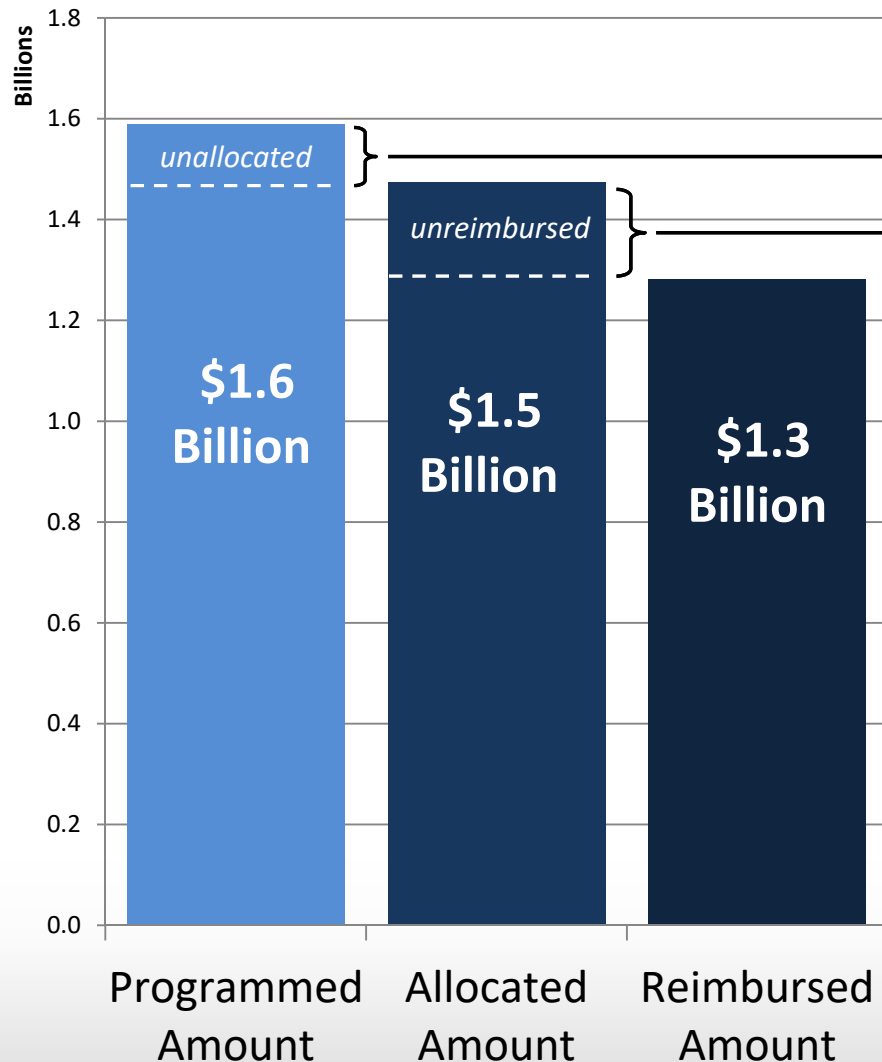


METROPOLITAN
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Capital Program Summary



Commission programmed \$74 million in December 2016 from unneeded financing cost coverage, with allocations still to come:

- Clipper: \$13M
- Bay Bridge Forward: \$21M
- BART Cars: \$40M

The remaining \$41 million not yet allocated includes the following projects:

- North South Greenway - Marin (\$15M)
- I-580 Transit Improvements (\$12M)
- I-680 HOV Lane Connector (\$5M)
- BART/Muni Connection (\$3M)
- Richmond Parkway P&R (\$2M)

The \$190 million not yet reimbursed includes these projects entering, under, or completing construction:

- AC Transit BRT (\$44M)
- BART Extension to Warm Springs (\$20M)
- Caltrain Electrification (\$20M)
- SF Ferry Terminal Expansion (\$20M)
- SMART (incl. Larkspur) (\$18M)
- Ferry Vessels incl. Richmond (\$13M)
- Fairfield/Vacaville Train Station (\$6M)
- E-BART (\$5M)
- I-680 HOV Lane Connector (\$4M)

Program Assessment

- Majority of projects are “On Track” and “Under Construction”, or completed
- MTC monitors projects to minimize risk, provide opportunities for meaningful scope changes, and address funding shortfalls.
- MTC works with sponsors to provide direction, secure additional funds, or phase/down-scope the projects.
- Local construction market strong; could lead to cost escalation.

BART to Warm Springs Extension

- Opened for service on March 25, 2017



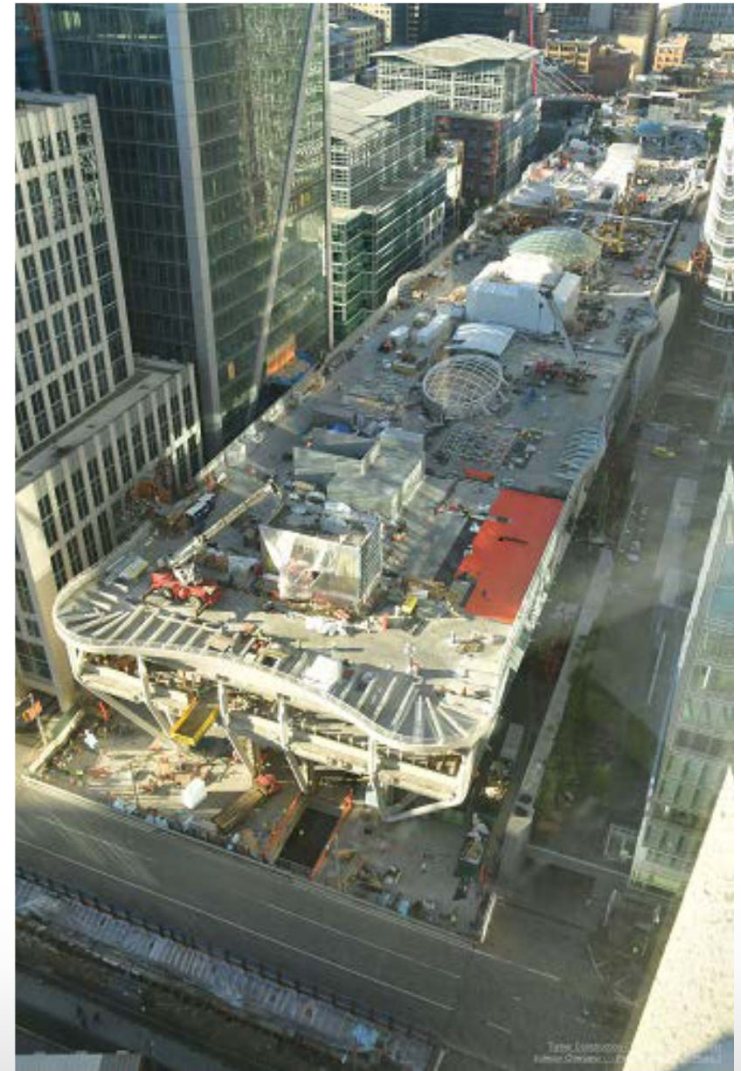
Fairfield/Vacaville Intermodal Train Station

- Construction under progress:
 - Peabody Road overpass opened to traffic
 - Second set of tracks installed
 - North portal/pedestrian underpass excavation continues
- Progressing on time and on budget



Transbay Terminal

- Construction Progress:
 - Walls, decks, interior, landscaping work underway
 - Bus ramp structures nearing completion
 - Beale Street closure work completed
 - Bus Storage Facility contract awarded
- Asset manager selected, transition planning underway for opening in early 2018



eBART

- Trackwork, System, and Facility Finishes construction is ongoing – focus on station finishes and systems
- Vehicles have all been delivered and are on-site
- Transfer platform/guideway and maintenance facility/parking lot contracts are completed
- Opening expected mid-2018



SMART

Preparing for Operations

- Initial Operating Segment track construction complete and under final testing.
- Train engine rebuilds completed
- Service expected in late spring 2017.
- Larkspur RM2 funds allocated, waiting on federal Small Starts funds



Caltrain Electrification

- Design/Build and vehicle procurement contracts awarded
- Full Funding Grant Agreement signed in May
- Full notices to proceed this summer



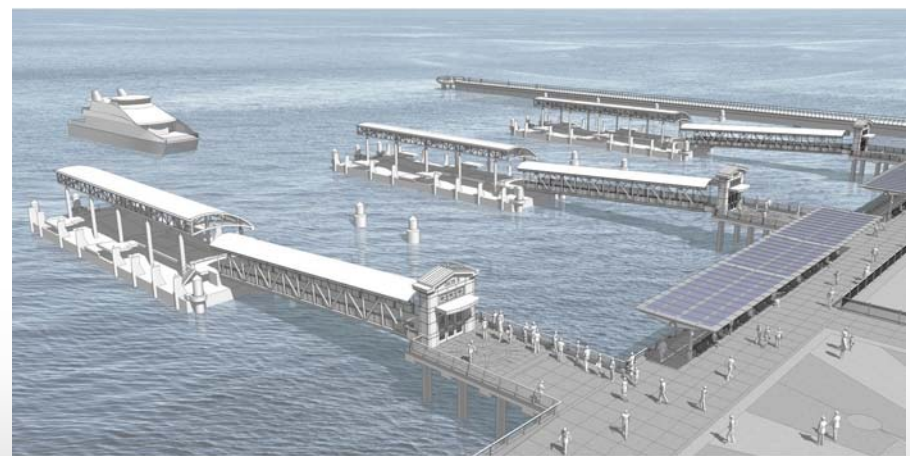
AC Transit East Bay BRT

- Advanced utilities, off-street parking, traffic mitigation packages completed
- Major construction is underway – signals, utilities, sidewalks, curbs
- Project funding gap is likely based on updated risk assessment; AC Transit staff assessing funding need and strategy
- Revenue service target now late 2018



Ferry Projects

- New vessel (*Hydrus*) arrived in February; delivery of next vessel expected in June
- Richmond vessels construction underway; Richmond Terminal construction contract award expected in May
- SF Terminal expansion contract awarded; construction beginning summer 2017



I-80/I-680/SR-12 Interchange – Solano County

- Initial Construction Package (WB 80 – WB 12 Connector): Open for use
- Utility relocation work progressing
- PS&E being prepared for subsequent construction packages
 - Package 2: Red Top Road Interchange
 - Package 3: I-80/I-680 Interchange



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I-880 North Safety Improvements



- Reconstruction of I-880 in Oakland from 29th Ave to 23rd Ave
- Total cost over \$100M
- Construction approximately 50% complete
- Reconstruction of 29th Ave overcrossing continues; current focus on completing deck and preparing for traffic switch

I-680 Express Lanes



- Environmental phase completed in December 2016
- CCTA is preparing 95% design
- Project expected to advertise for construction later this year and open in 2020

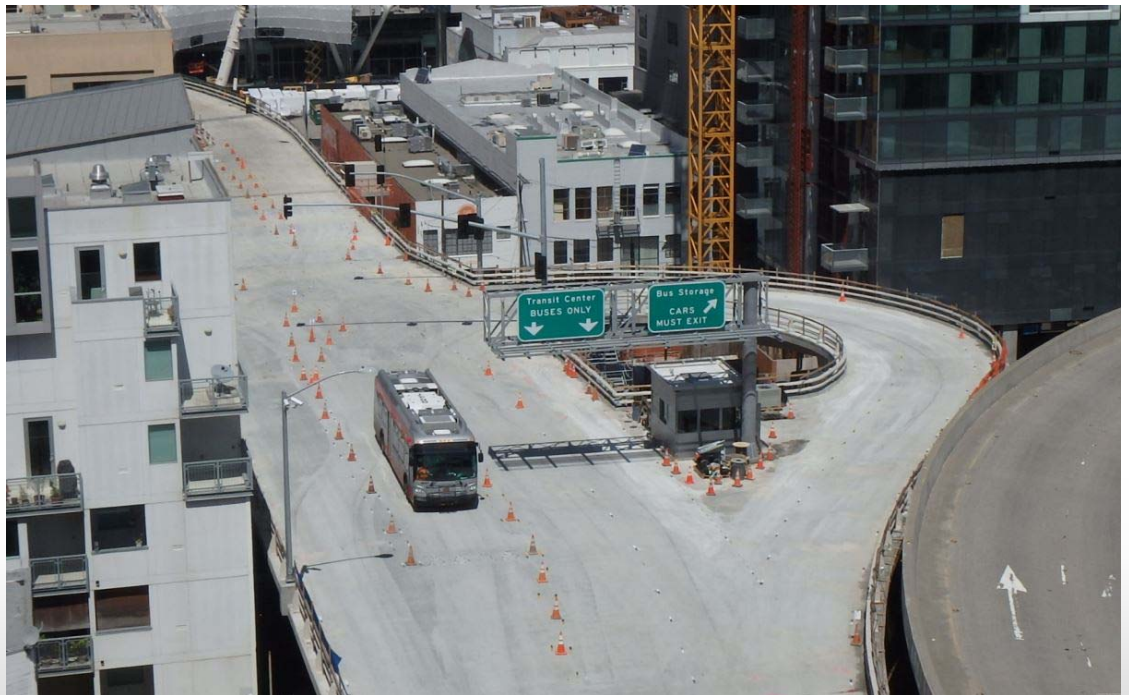
Bay Bridge Forward



- Design progressing on West Grand Ave HOV/Bus Lane and Commuter Parking Initiative
- HOV enforcement pilot is under development
- Casual Carpooling Initiative underway; identifying opportunities for improvements and new pick-up spots
- Additional buses for WestCAT and AC Transit in procurement

RM2 Program - Look Forward

- Several major projects opening in 2017 and 2018
- Working with sponsors who have unallocated funds
- Tracking New Starts/Small Starts projects closely



Transit Performance Initiative (TPI) Investment Program Update



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TPI Investment Program Summary

- \$81 million in 3 rounds to 18 projects
- 5 projects have substantially completed construction
- Round 1 and 2 projects either complete or underway
- Many projects delayed due to complex work/agreements with cities and utilities
- 2 additional projects expected to be completed by 2018
- Round 3 projects will begin reporting next cycle



TPI Investment Program

1st Round Overview (Approved May 2012)

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
Total		\$ 27.7

*Scope determined Sept. 2014. Project is reporting with Round 2 projects





1st Round Project Progress

➤ Line 51 Corridor Delay Reduction & Sustainability Project

- Construction complete
- Transit Signal Priority is in use; Delay in use of Queue Jumps
- Full project assessment in progress

Bus Stop Improvements, Alameda



Queue Jump Signal, Oakland





1st Round Project Progress

➤ **Light Rail Transit Signal Priority Improvements**

- Procurement contract executed; preparing for construction bids
- Developing funding agreements with local jurisdictions
- Completion expected late 2019

➤ **Stevens Creek 323 Transit Signal Priority**

- System is 90% complete and in use
- Buses now running *ahead* of schedule; VTA studying adjustments
- Additional segment in San Jose to be completed pending city decision





1st Round Project Progress

6

➤ **Mission Customer First**

- Transit lane colorization complete
- Transit signal priority installed
- Muni Forward branding work on buses and stops underway

➤ **N-Judah Customer First**

- Transit signal priority equipment installed; 4th Ave signal activated
- Transit lane colorization complete
- Remaining work needed: power connection at several intersections
- Expected to be fully operational Fall 2017



TPI Investment Program

2nd Round Overview (Approved September 2014)

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	\$ 1.0
	Geary BRT Phase 1	\$ 4.0
Santa Clara Valley Transportation Authority (SCVTA)	Mountain View Double Track Improvements – Phase 1 <i>Complete ✓</i>	\$ 8.0
City of Dublin/ Livermore Amador Valley Transit Authority (LAVTA)	Dublin Boulevard Transit Performance Initiative	\$ 1.0
Total		\$ 19.0



*In January 2017, MTC approved reprogramming \$4 million from the SFMTA Round 2 Colored Lanes and Muni Forward projects to Geary BRT Phase 1, which will report with TPI Round 3 projects.



2nd Round Project Progress

➤ **Colored Lanes on MTA Rapid Network**

- Clay Street: 2 blocks painted, 3rd block expected 2017
- Fourth Street: pending completion of Central Subway roadway work
- Fremont Street: pending completion of Transbay Terminal

➤ **9-San Bruno: Potrero Ave Fast Track Transit and Streetscape Improvements**

- Construction underway; TPI work part of larger Public Works project
- Expected completion by Spring 2018



2nd 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 and on track
 - AC Transit awarded Adaptive Traffic Control System contract in September, design service contract awarded in December; construction to begin this Fall, completion estimated by early 2018
 - LAVTA awarded Adaptive Signal Control Technology contract in August; detection design contract awarded in December; construction underway, completion estimated Summer 2017





Clipper Phase 3 Implementation Update

- In March 2014, \$8 million in TPI-Investment funds were committed for Clipper expansion on small operators.
- Fully launched once SMART service begins



*SMART service opening delayed, now estimated at late Spring 2017.

TPI Investment Program

3rd Round Overview (Approved Jan. 2017)

Agency	Project	TPI Amount (\$ millions)
Various	Bay Bridge Forward	\$10.0
SFMTA	Geary BRT Phase 1	\$5.6
SamTrans	Traffic Signal Priority on El Camino Real	\$3.5
BART	Train Seat Modification Project	\$1.5
AC Transit	San Pablo and Telegraph Rapid Bus Upgrades Project	\$5.0
VTA	Santa Clara Pocket Track Light Rail Interlocking	\$0.5
Total		\$26 million

➤ ***Projects will begin reporting next cycle***

