

Metropolitan Transportation Commission Programming and Allocations Committee

October 10, 2012

Item Number 3a

Regional Measure 2: Capital Program Monitoring

Subject: Regional Measure 2 Capital Program Update

Background: Regional Measure 2 (RM2) was passed in March 2004 and the Commission began allocating funds in July 2004. As of June 2012, MTC has approved more than \$1.2 billion in capital allocations, more than three-fourths of the \$1.5 billion available.

The attached staff presentation is the semiannual report for the RM2 capital program. The operating program update will be reported separately at a future meeting.

Budget/Schedule Status:

The number of projects 'On Track'/Completed has increased since the last update. 'On Track' signifies projects moving forward without any significant issues. However, there are still some projects considered 'At Risk' and 'High Risk'. Three projects totaling \$27 million have not yet been allocated RM2 funds due to major funding shortfalls or because the project scope is still under development. The attached slides and project status summary provide additional detail on major milestones and critical project issues.

General Assessment:

- The majority of projects are under construction and moving forward.
- Several sub-projects have been completed or are nearing completion; some were completed at costs lower than their budgets (as bid climate is still favorable), providing opportunities for additional relevant improvements.
- MTC is monitoring projects to minimize risk and provide opportunities for meaningful scope changes and addressing funding shortfalls.
- Some projects are experiencing implementation challenges due to insufficient funding, lack of consensus on scope, or complications in obtaining environmental approval.
- MTC is working with sponsors to provide direction, secure additional funds, or phase/down-scope the projects.
- Limited impacts to RM2 projects from elimination of redevelopment funding are anticipated at this time.
- Some RM2 projects were at risk of not meeting Corridor Mobility Improvement Account deadlines; funds have been moved to other projects or delivery schedules have been accelerated to meet CTC deadlines.
- Anticipated increase in commercial construction and High Speed Rail construction may strain contracting resources and lead to cost escalation in the next few years.

Issues: It is approaching nine years since passage of RM2. MTC will need to consider how to address projects that have significant unallocated balances. Staff will return with the next program update in Spring 2013 with further discussion of this project delivery issue. One approach under consideration is to establish an allocation deadline of March 2014 (10th anniversary of RM2 passage) for all projects, after which unallocated funds would be subject to redirection to other corridor projects.

Recommendation: Information.

Attachments: Presentation Slides
Project Status Summary

METROPOLITAN TRANSPORTATION COMMISSION
Regional Measure 2 Project Status Summary (ending June 2012)¹

No.	Project Name	Sponsors/ Implementation Agency	Current Project Phase	Current Total Project Cost	RM2 Allocation thru 06/12 ³	Total RM2 Funding for Entire Project	Other Bridge Tolls	% Bridge Tolls of Total Cost	Cost Status	Schedule Status	Remarks
1	BART/MUNI Connection at Embarcadero and Civic Center Stations	BART	Scoping	TBD		\$3,000,000		N/A			Project scope is still under discussion.
2	SF MUNI Metro 3rd Street Light Rail Line	SF MUNI	Completed	\$214,612,000	\$30,000,000	\$30,000,000		14%	✓	✓	RM2 elements completed. Additional work funded by others being added to the project.
3	SF MUNI E-Line	SF MTA	Completed/PS&E/CON	\$44,633,366	\$10,000,000	\$10,000,000		22%	↑	↑	Projects 3.1 and 3.2 were combined and a single contract was awarded. Phase I to refurbish 11 vehicles was completed. Phase II includes refurbishment of 5 additional vehicles. One was completed and work on the 4 remaining vehicles will be completed in 2012 to be followed by a 2 year warranty period. SFMTA is currently in the process of preparing the bid package for 3.3.
4	Dumbarton Rail	San Mateo TA, ACCMA, ACTIA,VTA/Union City	Completed/ENV/PE	\$701,066,000	\$9,307,000	\$44,000,000		6%	✗	✗	4.1 Environmental review is ongoing but schedule is impacted by the HSR blended system study. Operating funds for interim bus services have been identified. 4.2 Final EIR/EIS certified by City in February 2006. Project is complete.
5	Vallejo Station	Vallejo Transportation Program, STA	CON	\$76,745,000	\$17,959,354	\$28,000,000		36%	⚖	↑	Construction of Phase A, a transit center and a 1,200 stall garage is substantially complete. Parking revenue system to be installed by March 2013. Phase B not fully funded.
6	Solano County Express Bus Intermodal Facilities	Vallejo Transportation Program, Benicia, STA/Fairfield-Suisun Transit, City of Vacaville	Completed/ENV/PE/CON	\$96,424,000	\$11,000,275	\$20,000,000		21%	⚖	⚖	6.1 The CEQA environmental document was certified. Construction phase is not fully funded. 6.2 Phase 1 of the project is under construction. Design for phase 2 is well advanced. 6.3 Limited progress on PS&E achieved in this reporting period. Construction phase is not fully funded. 6.4 Project is complete. Minor enhancement work is ongoing.
7	I-80 / I-680 SR 12	STA	Completed/ENV/PE/ROW	\$623,999,000	\$97,622,008	\$100,000,000	\$100,000,000	32%	⚖	⚖	7.1 Project is complete with wetland and agriculture land replacement mitigation work still pending/on-going. 7.2 Construction is complete and the lanes opened in October 2009. 7.3 Ramp metering work is substantially completed. 7.4 There is continuous slippage in the project schedule due to delay in obtaining environmental approval. 7.5 Project is under construction. Draft PSR/PDS is under preparation.
8	I-80 EB HOV Lane Extension from Route 4 to Carquinez Bridge	Caltrans	Completed	\$37,247,000	\$37,247,000	\$50,000,000		100%	✓	✓	Construction is complete.
9	Richmond Parkway Park & Ride	AC Transit	ENV/PE	\$28,780,000	\$850,000	\$16,000,000		56%	✗	✗	Project is on hold pending results of a parking demand and O&M cost feasibility study.
10	SMART Extension to Larkspur or San Quentin	SMART	Completed/ENV/Design/CON	\$384,488,000	\$36,500,000	\$36,500,000		9%	↑	↑	10.1 Construction complete and tunnel opened for use in December 2010. 10.2 Vehicle fabrication and mainline track re-construction work is ongoing.
11	U.S. 101 Greenbrae I/C Corridor and Bike/ Ped Improvements	TAM	Completed/ENV/PE	\$159,703,000	\$17,850,000	\$63,500,000		40%	⚖	⚖	11.1 Project is finally progressing in the environmental phase. Likely to be implemented in phases. TAM's intention to eliminate further phases addressing interchange spacing concern may create significant issues. 11.2 Construction complete and operational. 11.3 Construction complete and tunnel opened for use in December 2010. 11.4 Project design and permitting process are ongoing.
12	Direct HOV Lane Connector from I-680 to Pleasant Hill BART - Study	CCCTA	Completed/ENV	\$81,000,000	\$5,800,000	\$15,000,000		19%	⚖	↑	12.1 Project completed. Remainder of funds proposed to go to I-680 Southbound HOV Gap Closure. 12.2 PAVED work started.
13	E-BART	BART, CCTA	Completed/ROW/CON	\$461,850,000	\$94,600,000	\$96,000,000	\$167,000,000	57%	↑	⚖	13.1 Transfer station under construction. Project costs, schedule and funding will be updated. 13.2 Design was completed. Construction contract was awarded in spring 2010. 13.3 Project is under construction.
14	Capital Corridor	CCJPA/City of Fairfield	Completed/ENV/PE	\$56,814,000	\$8,465,000	\$25,000,000	\$9,000,000	60%	⚖	⚖	14.1 Project was completed in April, 2010. 14.2 Project is in design phase.
15	Central Contra Costa BART Crossover	BART	Completed	\$40,040,000	\$25,000,000	\$25,000,000		62%	✓	✓	Construction is complete and awaits PUC certification to become operational.
16	Benicia-Martinez Bridge: New Span (Fund Augmentation)	BATA	Completed	\$1,351,200,000	\$50,000,000	\$50,000,000	\$1,174,700,000	91%	✓	✓	Bridge opened in September 2007.
17	Express Bus North	City of Vallejo, Fairfield, Vacaville, Benicia/CCCTA/Napa VINE/GGT/Richmond/MTC/NCTPA/GBHTD	Completed/CON/Design/ENV/PE/ROW	\$20,747,000	\$5,432,000	\$20,000,000		96%	↑	⚖	17.1 The CEQA environmental document was certified. Schedule is uncertain pending funding discussion. 17.2 Limited progress on PS&E achieved in this reporting period. Construction phase is not fully funded. 17.3 & 17.6 Projects are complete. 17.5 PS&E is almost complete and is expected to be advertised for construction. 17.7 Sponsor is to acquire property for the project. 17.9 Construction contract is about 45% complete and new facility is expected to be open by end of 2012.
18	Clipper SM	BART/GBHTD/MTC/VTA/Translink Consortium/SFMTA	Completed/CON	\$35,771,793	\$21,980,000	\$22,000,000		62%	↑	⚖	18.1 Project has been implemented and is essentially complete. 18.2 Project substantially completed and operational. 18.3 Project substantially completed. Additional enhancement work is still ongoing. 18.4 Report is delinquent. 18.5 Project was completed in June, 2010. 18.6 Clipper service roll-out for cable cars is ongoing. Commissioning and testing is ongoing. 18.7 Project is complete.
19	Real Time Transit	City of Emeryville/SF Muni/AC Transit/MTC/WestCAT/JPB/SamTrans/VTA/G/GBHTD	Completed/CON/Design/PS&E	\$55,637,000	\$18,084,000	\$20,000,000		36%	↑	⚖	19.1 Construction to be completed in 2013. 19.2 Project completed. 19.3, 19.9 Projects are approaching completion.19.4 Some signs have been installed and are operational. Project is approaching completion. 19.5, 19.7 Projects are progressing but schedules have slipped. 19.6 Report is delinquent. 19.8 Project is progressing. 19.10 Work has yet to begin.
20	Safe Routes to Transit	Various	Completed/ENV/PS&E/CON	\$36,214,794	\$13,028,996	\$22,500,000		62%	↑	↑	Various
21	BART Tube Seismic Retrofit	BART	CON	\$292,101,000	\$33,801,000	\$33,801,000		12%	⚖	⚖	Initial phase of retrofit is progressing.
22	Transbay Terminal/Downtown Caltrain Extension ²	Transbay JPA	PS&E/ROW/CON	\$4,185,000,000	\$150,000,000	\$150,000,000	\$203,000,000	8%	⚖	↑	Project is progressing with schedule slippage. There is some uncertainty on development revenue.
23	Oakland Airport Connector	BART/PoO	CON	\$484,111,000	\$115,199,000	\$115,199,000	\$31,000,000	30%	↑	↑	Construction is approximately 50% complete.
24	AC Transit Enhanced Bus	AC Transit	Completed/ENV/PE	\$186,541,000	\$25,157,000	\$65,000,000		35%	↑	⚖	24.1 All 15 buses placed into revenue service. 24.2 Project substantially completed. 24.3 Construction complete. 24.4 Project completed. 24.5 Project received environmental and local agency approval. It is proceeding into the design phase.
25	Commuter Ferry Service for Alameda/Oakland/Harbor Bay	WETA		\$3,000,000		\$12,000,000		N/A			Project yet to begin.
26	Commuter Ferry Service for Berkeley/Albany	WETA				\$12,000,000		N/A			Project yet to begin.
27	Commuter Ferry Service for South San Francisco	WETA	Completed	\$17,763,000	\$12,000,000	\$12,000,000		68%	✓	✓	Project is completed. Service started in June 2012. Ridership is increasing but below projection.
28	Water Transit Facility Improvements	WETA	Completed/ENV/PE	\$28,155,000	\$28,155,000	\$48,000,000			↑	↑	28.1 Status on Hercules Terminal unclear due to City issues and financial constraints of the TOD development. South San Francisco Terminal is in operation. 28.2 Gemini and Pisces were delivered and have entered service. 28.3 Project is progressing.
29	Express Bus South	ACCMA/AC Transit	Completed	\$36,184,000	\$21,988,882	\$22,000,000		61%	✓	✓	29.1 All 10 buses were delivered. 29.2 Project was suspended due to lack of funding. 29.3 Construction was completed and open to traffic in September 2008. 29.4 Project is completed. 29.5 Construction is complete pending plant establishment work and closeout.
30	I-880 North Safety Improvements	ACCMA	Design	\$98,414,000	\$8,660,000	\$10,000,000		10%	⚖	⚖	The project is currently in the design phase.
31	BART Warm Springs Extension	BART/City of Fremont	Completed/CON	\$1,000,986,000	\$186,000,000	\$186,000,000	\$118,000,000	30%	↑	↑	31.1 Project completed in May, 2010. 31.2 Phase 1 is nearly complete, Phase 2 design-build construction in progress.
32	I-580 (Tri Valley) Rapid Transit Corridor Improvements	ACCMA	CON/Design	\$348,959,000	\$46,815,753	\$65,000,000	\$111,000,000	50%	⚖	↑	32.1 Design for eastbound aux lane is complete and construction is expected to begin in fall 2012. 32.2 Design for WB HOV lanes is complete. Construction to start in fall 2012.

METROPOLITAN TRANSPORTATION COMMISSION
Regional Measure 2 Project Status Summary (ending June 2012)¹

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33	San Francisco Bay Area Rail Study	BART/Caltrain/MTC/PCJPB	Completed	\$6,700,000	\$6,465,108	\$6,500,000		97%	✓	✓	33.1 Report completed in Sep 07. 33.2 Transit connectivity plan adopted in April. Project completed. 33.3 Study completed in Sep 2007. 33.4 A final report was completed. The report recommended a two-prong approach: acquisition of new right-of-way and increasing use of shared corridors.
34	Integrated Fare Structure Program	TransLink Consortium/SFMTA	Completed	\$1,500,000	\$1,500,000	\$1,500,000		100%	✓	✓	Consultant recommended that no further work be performed and project be closed out.
35	Transit Commute Benefits Promotion	MTC	Scoping	\$5,000,000	\$4,220,000	\$5,000,000		100%	↑	↑	Enhancements to the program are continuously being made.
36	Caldecott Tunnel Improvements - Fourth Bore	CCTA	CON/Study	\$371,417,000	\$45,075,000	\$50,500,000		14%	↑	↑	36.1 Construction is approximately 62% complete. RM2 funds will be allocated to provide project reserves. 36.2 Project has not started yet.
37	Transit Capital Rehabilitation	BART	CON	\$210,152,000	\$24,000,000	\$24,000,000		11%	↑	↑	Various projects ongoing.
				\$11,782,954,953	\$1,219,762,376	\$1,515,000,000	\$1,913,700,000	29%			

Notes: 1. Only projects with RM2 allocations made on or before June 2012 are covered under this report

2. Schedule shown is for Transbay Terminal only. Downtown rail extension is currently scheduled to be completed in 2020, if funding can be secured.

3. RM2 funding numbers are based on information from MTC and are not reflected in sponsor reports

Legend:

	Proceeding according with planned budget/schedule
	Schedule delays, cost increase or funding shortfall, and/pr scope deviation warranting concern
	Significant schedule delay, cost increase or funding shortfall, and/or scope deviation
	Project completed

Regional Measure 2: Capital Program Update

October 10, 2012

Programming and Allocations
Committee



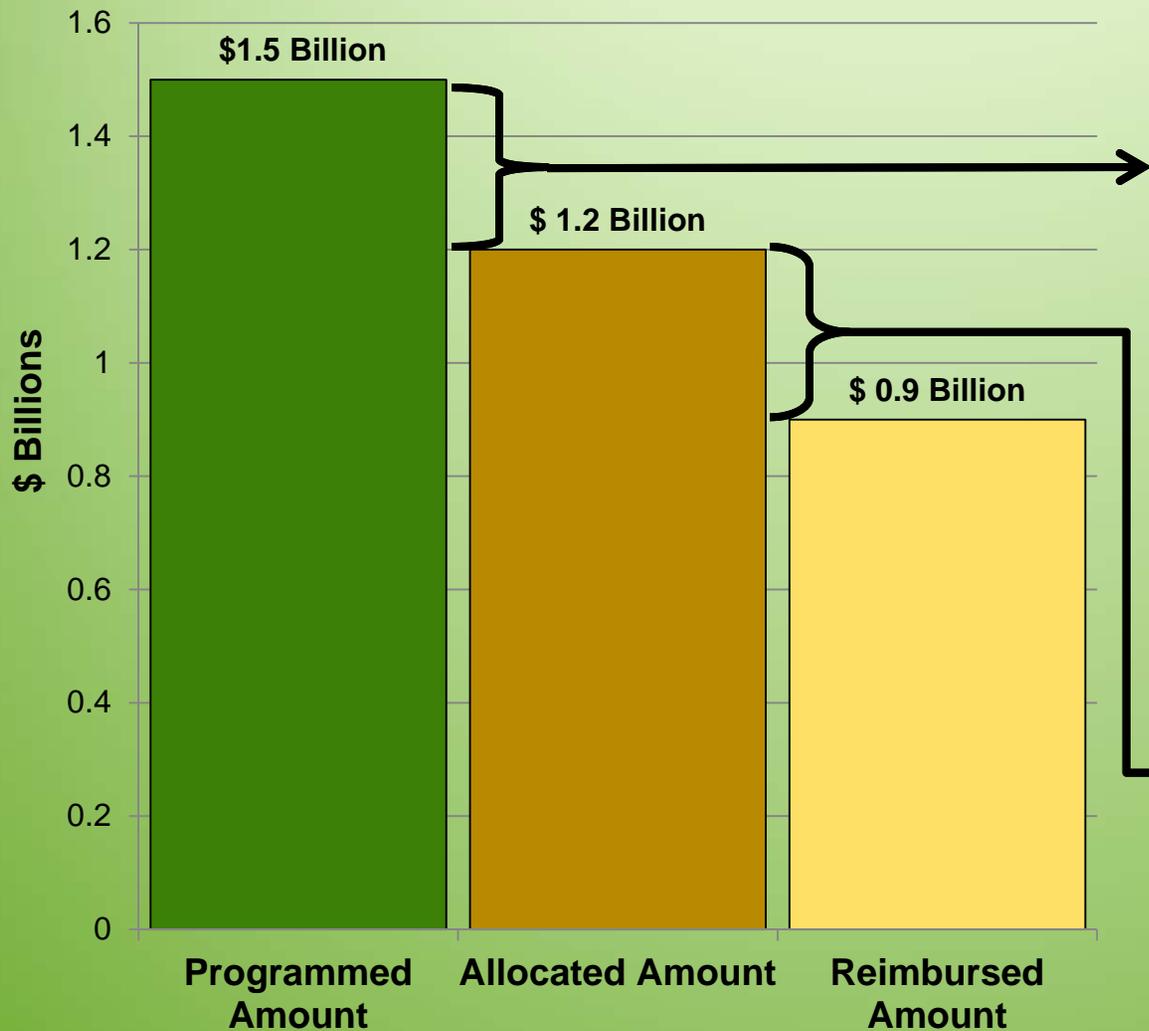
METROPOLITAN TRANSPORTATION COMMISSION

Capital Program Summary

- RM2 passed in March 2004
- 37 Projects in Statute, \$1.5 billion program
- Allocations through June 2012: ~ \$1.2 billion
- Approx. 80% of program allocated

Project Phase	No. of Allocations	Amount	
		(\$ millions)	Percentage
PA/ED or Study	85	\$223	18%
Design	49	\$179	15%
Right-of-way	24	\$131	11%
Construction	109	\$687	56%
Total	267	\$1,220	100%

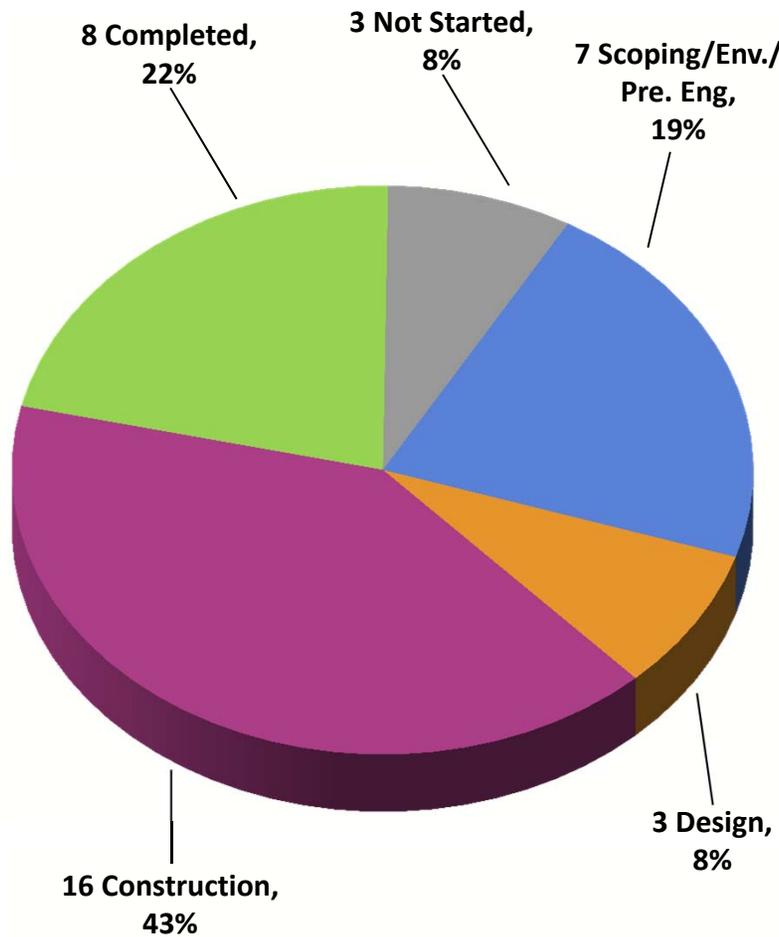
Capital Program Summary



- Most of the \$0.3 billion not yet allocated is due to the following projects:
- Greenbrae Interchange (\$47 M)
 - Water Transit Facility Improvements/ Commute Ferry service (\$44 M)
 - AC Transit BRT (\$40 M)
 - Dumbarton Rail (\$35 M)
 - Richmond Parkway Park & Ride (\$15M)
 - Regional Express Bus North (\$15 M)

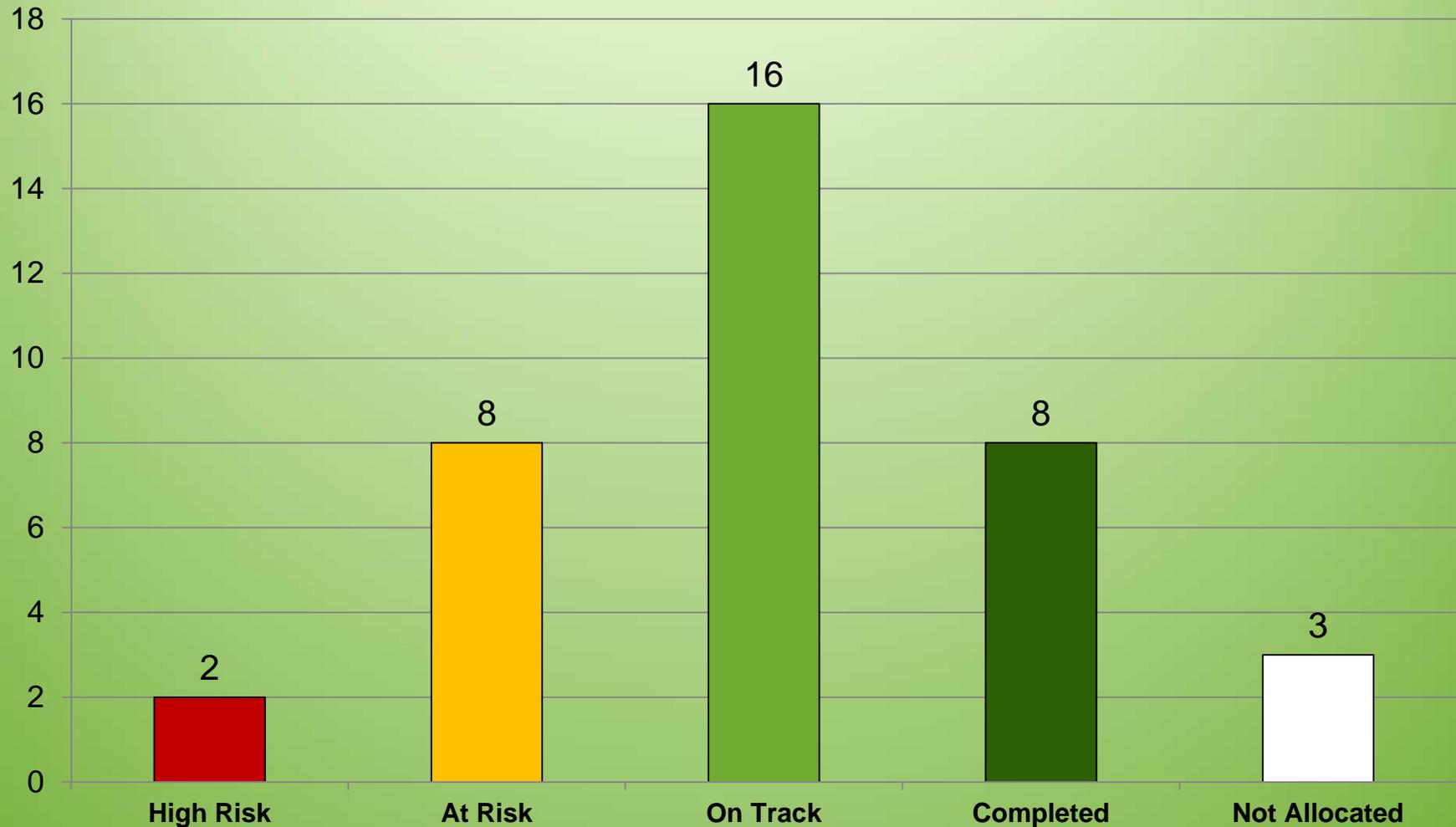
- Most of the roughly \$0.3 billion not yet reimbursed is due to the following projects currently under construction:
- BART Extension to Warm Springs (\$80 M)
 - Oakland Airport Connector (\$60 M)
 - E-BART (\$29 M)
 - Caldecott Tunnel Improvements — Fourth Bore (\$30 M)
 - SMART Extension (\$23 M)

RM2 Projects by Phase



○ Status Changed
 ○ Scoping/Env./Pre. Eng
 ○ Design
 ○ Construction
 ○ Completed
 ○ Not Started

Project Progress – Budget/Schedule Status*



* Does not include sub-project details

Program Assessment

- Majority of projects “On Track” & “Under Construction”.
- Several sub-projects completed; some completed at lower than budget providing opportunities for additional relevant improvements.
- MTC monitoring projects to minimize risk, provide opportunities for meaningful scope changes, and address funding shortfalls.
- Some projects experiencing implementation challenges due to insufficient funding, lack of consensus on scope, or complications in obtaining environmental approval.
- MTC working with sponsors to provide direction, secure additional funds, or phase/down-scope the projects.
- No major impacts to RM2 projects from elimination of redevelopment funding at this time/ some RM2 projects previously at risk of losing CMIA funds now on accelerated schedules to meet CTC deadlines
- Commercial construction anticipated to increase significantly over next few years; may strain contracting resources and lead to cost escalation.

Completed Project Elements – Since Last Report

6

- **Vallejo Station:** Phase A of parking garage – 1,200 stall structure
- **Water Transit Facility Improvements:** Alameda/Oakland to South San Francisco ferry service launched
- **I-80/I-680/SR12 Interchange:** Ramp Metering Project complete

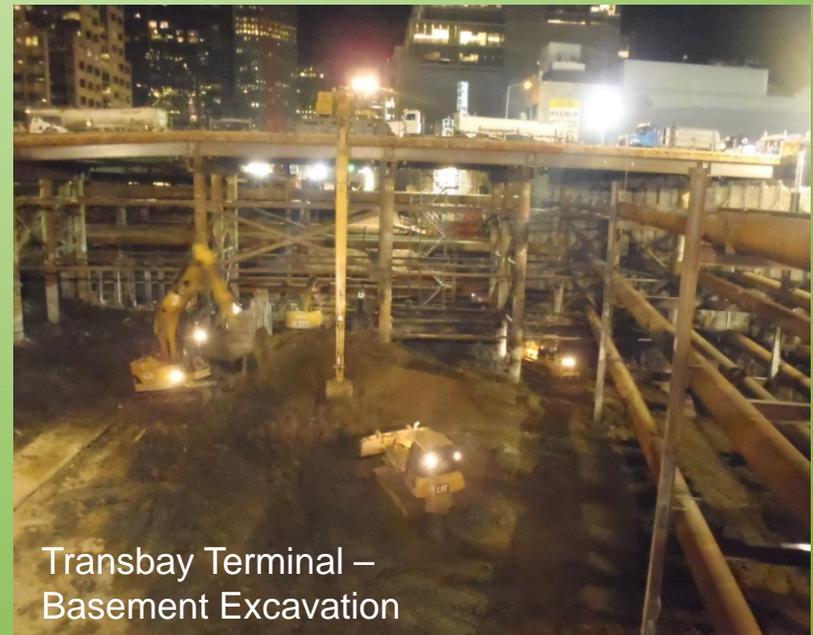


Projects: On Track

Transit

Under Construction (Est. Completion Date)

- SMART (Spring 2015)
- Oakland Airport Connector (Summer 2014)
- eBART (Fall 2016)
- BART Extension to Warm Springs (Fall 2015)
- Transbay Terminal — Utility Relocation, Basement Train Box Excavation (Fall 2017)
- Benicia Intermodal Facilities (Spring 2013)
- NCTPA Multi Modal Transit Center/ Park and Ride (Spring 2013)



Projects: On Track

Highway

Under Construction/ (Est. Completion Date)

- Caldecott Tunnel Fourth Bore (Late 2013)
- SR-4 Median Widening (eBART) (Summer 2016)
- I-80/I-680/SR 12 Interchange — I-80 Eastbound Truck Scales Relocation (Fall 2014)

Starting Construction

- I-580 WB HOV Lane Improvements (Fall 2014)



Project Progress

SMART Extension:

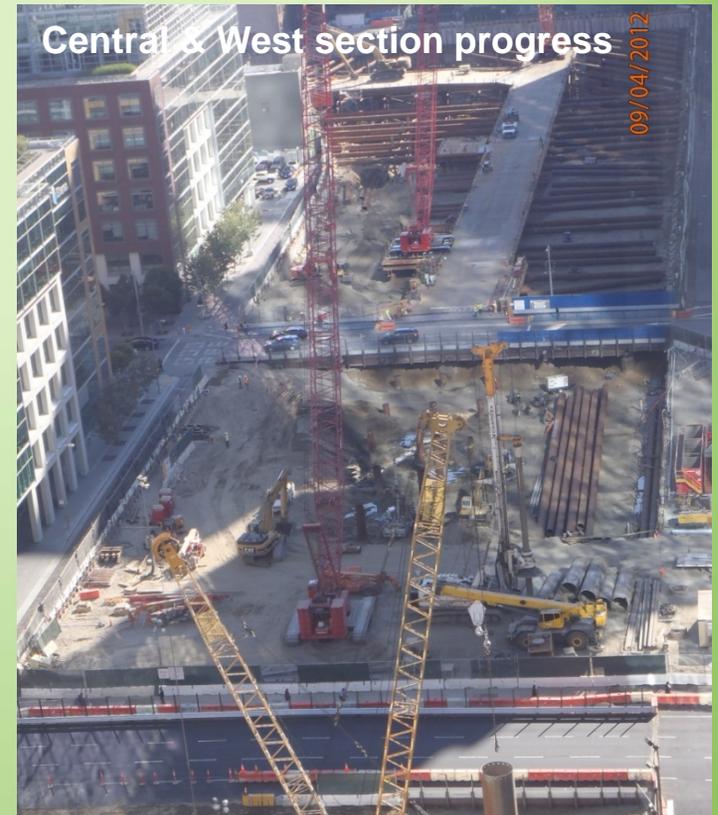
- Vehicle procurement & Mainline Construction contracts awarded at lower than estimated costs
 - Main design build contract for IOS awarded to Herzog-Stacey & Whitbeck JV
 - Vehicle procurement contract awarded to Sumitomo
 - Savings allowed SMART to restore some previously deferred project elements
- Construction proceeding according to schedule — mainline track re-construction ongoing
- Design for vehicles approved; currently being fabricated.



Project Progress

Transbay Terminal

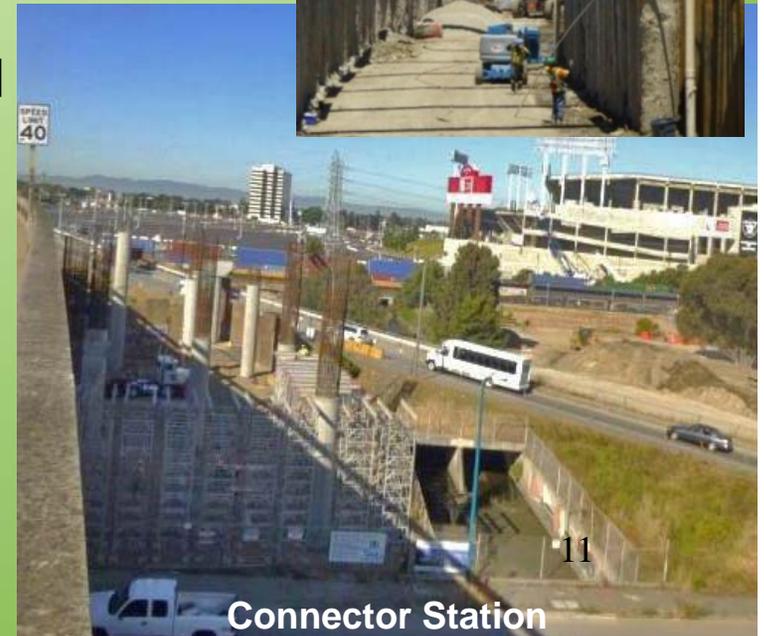
- Project Design and Construction on schedule
- Design of main terminal approaching completion
- Demolition of existing terminal and five utility relocation packages completed
- Two underground utility relocation contracts and basement train box excavation in progress
- Temporary bridges completed to enable basement train box excavation
- Some uncertainty over project funding given real estate market
- Negotiations continuing with Tower developer



Project Progress

Oakland Airport Connector

- Utility relocation completed
- Construction approx. 50% complete
- Construction of Doolittle Maintenance Facility and both stations progressing on schedule
- Guideway structures are under construction — first section completed
- Car shell fabrication & Systems design underway
- FAA approved use of Airport Passenger Facility Charges for project
- Project on schedule for completion in Summer 2014



Project Progress

Water Transit Facility Improvements (WETA)

- SSF Ferry Terminal construction complete
 - Alameda/Oakland to South San Francisco service launched on June 4, 2012
- Layover berth for two ferries at Pier 9 completed
- Final environmental document for Berkeley Ferry Terminal progressing; draft environmental for Hercules Ferry terminal on hold
- WETA commencing studies for additional ferry terminals at other East Bay locations



Project Progress

BART Warm Springs Extension

- **Central Park Subway Segment**
 - Design-build, began in Nov 2009
 - Substantially complete; track and system work remaining
- **Line, Track, Station & Systems Contract**
 - Design build, contract awarded in June 2011
 - Final design progressing
- **Project on schedule**
 - Projected opening date: Fall 2015



Project Progress

Caldecott Tunnel Improvements – Fourth Bore

- Main Tunneling contract – awarded in 2009
 - Construction approximately 65% complete
 - Main tunnel excavation completed – was considered highest risk element of project
- Kay Street Overcrossing signal and SR 13/24 ramp modification contracts completed
- Overall project on track for opening in late 2013
- Additional funds to be allocated from program reserve to cover change order costs

eBART

- Transfer station & SR-4 Widening progressing
- Railroad Avenue Station foundation only being constructed; station on hold
- Railcar procurement contract to be advertised late 2012
- Schedule, cost and funding to be updated

Project Progress

Clipper

- BART Ticket Vending Machine & Golden Gate Ferry Fare Gate projects implemented
- VTA Ticket Vending Machine Integration project to be completed by November
- Clipper service roll out for MUNI cable-cars in progress (testing phase)

Real Time Transit

- AC Transit - Real Time signage at Berkeley BART approaching completion
- WestCAT Real Time project approaching completion; some signs already installed and operational

Safe Routes to Transit - Completed Projects

- SFMTA - Improved Bicycle Access to 16th St BART Station, Market Street Safety Zone Calming, Mission & Geneva Pedestrian Improvements, 24th and Mission BART Station Improvement Area
- BART - C2 Rail Car Reconfiguration, Electronic Bike Locker Gap Closure
- City of Richmond/ El Cerrito - Richmond-Ohlone Greenway Gap Closure
- WCCTAC - West Contra Costa/Albany Wayfinding Plan

Projects: At Risk

- **AC Transit Bus Rapid Transit**
 - Environmental and local agency approvals for project secured.
 - Project construction funding may have timing issues; need to identify additional near-term funding or reduce project cost.

- **US 101 Greenbrae**
 - TAM made significant progress in advancing PA/ED for project.
 - Current funding does not cover cost for entire project; multi-phase project concept under consideration.
 - Potential Caltrans & FHWA issues with proposed interchange spacing, agencies in discussion.

- **Solano County I-80/680**
 - Interchange
 - Continued delay in obtaining ENV approval, approval expected later this fall.
 - CTC programmed TCIF in lieu of CMIA funds.

Projects: High Risk/At Risk

Dumbarton Rail

- Project underfunded by approximately \$400 million; no potential funding source identified to close shortfall in near term.
- Environmental review ongoing but schedule impacted by HSR blended system study.
- Interim bus service started on July 1, 2012.

Various Park n' Ride & Intermodal Facilities

- Richmond Parkway, Curtola, Fairfield, Vacaville, Pacheco facing capital or operating funding challenges.

Program Outlook

Major Contracts Anticipated to be Awarded:

- **eBART:**
 - Maintenance Facility and parking lot near Hillcrest station – Fall 2012
 - SR4 Widening Segment 3A (Somersville to Hillcrest) – Fall 2012
 - SR4 Widening Segment 3B (Hillcrest Interchange) – Winter 2013
 - Vehicles – Summer 2013
- **TransBay Terminal:**
 - Below-grade structures – Oct. 2012
 - Above-grade structures – Winter 2013
 - Glazing contract – Spring 2013
- **I-580 (Tri-Valley) Improvements**
 - I-580 EB HOV (Auxiliary lane) – Fall 2012
 - I-580 WB HOV – Fall 2012
- **Benicia Intermodal Station Phase 2 - Winter 2013**
- **Express Bus North – Pacheco Transit Center – Winter 2013**