

**Metropolitan Transportation Commission
Programming and Allocations Committee**

April 11, 2012

Item Number 3a

Regional Measure 2: Capital Program Monitoring

Subject: Regional Measure 2 Capital Program Update

Background: As of December 2011, MTC has approved over \$1.2 billion in RM2 capital allocations of the \$1.5 billion available.

The attached staff presentation is the semi-annual report for the RM2 capital program. As part of streamlining the RM2 reporting process, this semi-annual report focuses on 13 select RM2 projects*. The remaining RM2 projects will be reviewed on an annual basis.

As the program starts its eighth year, the general assessment is:

- Majority of projects are “On Track” and “Under Construction”.
- Bid climate continues to be favorable, resulting in cost savings on projects.
- MTC is monitoring projects to minimize risk and provide opportunities for meaningful scope changes and to address funding shortfalls.
- Some projects are experiencing implementation challenges due to insufficient funding, lack of consensus on scope, and complications in obtaining environmental approval.
- MTC is working with sponsors to provide direction, secure additional funds, or phase/down-scope the projects.
- Impacts from elimination of redevelopment funding are uncertain at this time/ some RM2 projects are at risk of losing CMIA funds due to schedule delay.
- Commercial construction is anticipated to increase significantly over the next few years; may strain contracting resources and lead to cost escalation.

Issues: None.

Recommendation: Information.

Attachments: List of 13 Select RM2 Projects*, Excel Summary Sheet, PowerPoint Presentation

Regional Measure 2: Capital Program Update

April 11, 2012

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Committee



METROPOLITAN TRANSPORTATION COMMISSION

Capital Program Summary

- RM2 passed in March 2004
- 37 Projects in Statute, \$1.5 billion program
- Allocations through Dec 2011: ~ \$1.2 billion
- More than 75% of program allocated

Project Phase	No. of Allocations	Amount	
		(\$ millions)	Percentage
PA/ED or Study	85	\$219	18%
Design	45	\$177	15%
Right-of-way	23	\$129	11%
Construction	104	\$681	56%
Total	257	\$1,206	100%

13 Select Projects — Semi-Annual Reporting

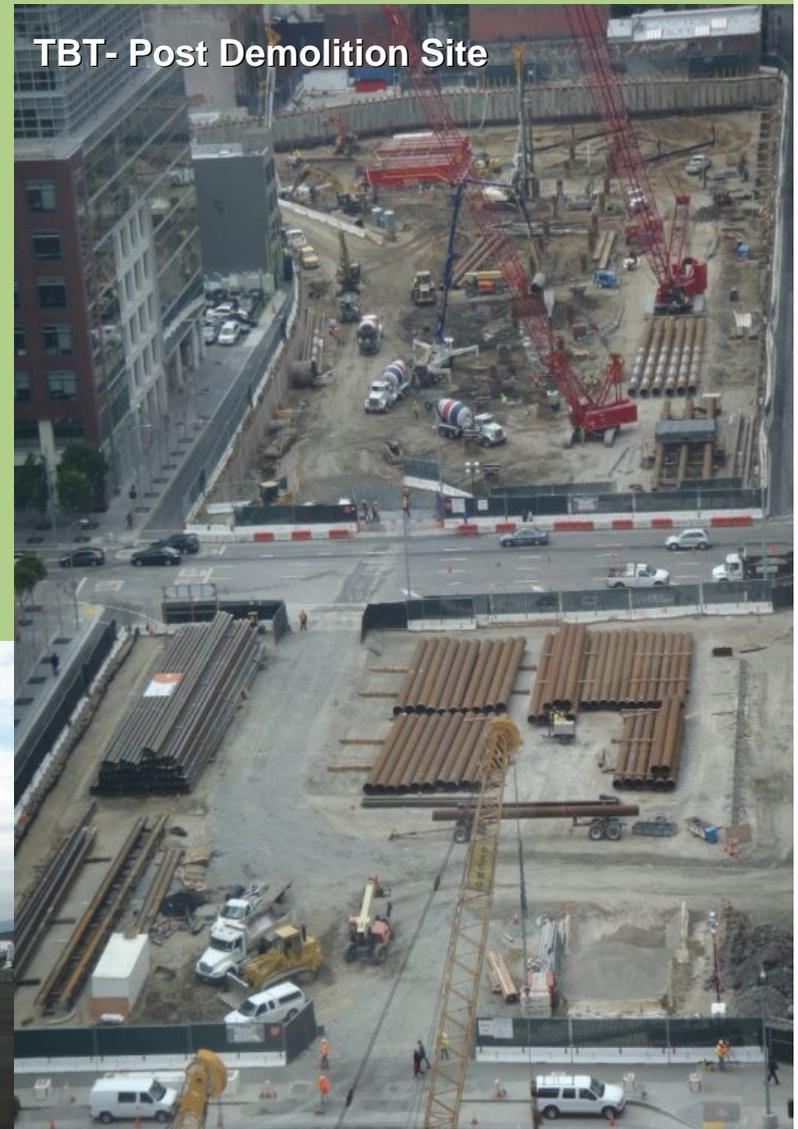
- Dumbarton Rail
- Solano County I-80/680 IC
- I-80 HOV Ext from Rte. 4 to Carquinez Bridge
- SMART Rail Corridor
- eBART
- TransBay Terminal/DTX
- Oakland Airport Connector
- AC Transit Enhanced Bus
- Commuter Ferry Service Expansion (WETA)
- I-880 North Safety Improvements
- BART Warm Springs
- I-580 Rapid Transit Corridor Improvements
- Caldecott Tunnel

Program Assessment

- ❑ Majority of projects “On Track” & “Under Construction”.
- ❑ Bid climate continues to be favorable, resulting in cost savings on projects.
- ❑ MTC monitoring projects to minimize risk and provide opportunities for meaningful scope changes and addressing funding shortfalls.
- ❑ Some projects experiencing implementation challenges due to insufficient funding, lack of consensus on scope, or complications in obtaining ENV approval.
- ❑ MTC working with sponsors to provide direction, secure additional funds, or phase/down-scope the projects.
- ❑ Impacts from elimination of redevelopment funding uncertain at this time/ some RM2 projects at risk of losing CMIA funds due to schedule delay.
- ❑ Commercial construction anticipated to increase significantly over next few years; may strain contracting resources and leads to cost escalation.

Completed Project Elements

- **Transbay Terminal:** Old Terminal Demolition, Utility Relocation
- **Water Transit Facility Improvements:** Pier 9 Berthing Facilities, SSF Ferry Terminal
- **I-80/I-680/SR12 Truck Scale:** Building Demolition, Utility Relocation & Wetlands Mitigation



TBT- Post Demolition Site



Pier 9 Berthing

Projects: On Track

Transit

Under Construction

- Oakland Airport Connector
- eBART
- BART Extension to Warm Springs
- Transbay Terminal — Utility Relocation, Basement Train Box Excavation
- Water Transit Facility Improvements — Gangways and Floats

Starting Construction

- SMART

Oakland Airport Connector

Support Columns



Installation of excavation supports along Hegenberger



Projects: On Track

Highway

Under Construction

- Caldecott Tunnel Fourth Bore
- SR-4 Median Widening (eBART)



Caldecott Tunnel Construction

Starting Construction

- I-80/I-680/SR 12 Interchange – I-80 Eastbound Truck Scales Relocation



SR-4 Widening – Somerville Interchange

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
 - Final Design & Construction expected to begin in late spring



Project Progress

Transbay Terminal

- Demolition of existing terminal & five utility relocation packages completed
- Two underground utility relocation contracts and basement train box excavation in progress
- Some uncertainty over project funding given real estate market and elimination of redevelopment agencies.
- Project Design and Construction on schedule
- Project team working on and coordinating with High Speed Rail team on revised design for rail extension



Project Progress

Oakland Airport Connector

- Utility relocations underway
- All at grade beams poured along Airport Drive & Hegenberger Road
- Foundations for the Doolittle Maintenance Facility and both stations have been poured
- Guideway structures are under construction
- Car shell fabrication & Systems design underway
- FAA approved use of Passenger Facility Charges for project
- Project on schedule for completion in May 2014



Project Progress

- **Water Transit Facility Improvements (WETA)**
 - Layover berth for two ferries at Pier 9 completed
 - SSF Ferry Terminal construction substantially complete
 - Public hearing in April to establish fares
 - Revenue service expected to start in June 2012



Project Progress

Caldecott Tunnel Improvements – Fourth Bore

- Main Tunneling contract – awarded in 2009
 - Construction approximately 50% complete
- Kay Street Overcrossing signal and SR 13/24 ramp modification contracts completed
- Project slightly behind schedule
- Change order costs expected to deplete project contingencies – additional funds required/identified

Solano County I-80/680

- Interchange
 - Delayed environmental (Biological opinion), Currently in ROW
 - CTC programmed TCIF in lieu of CMIA funds
 - Construction scheduled for Summer 2012
- I-80 Eastbound Truck Scale Relocation
 - Construction contract awarded in Jan 2012; \$12 million award savings
 - Groundbreaking scheduled for April 20th

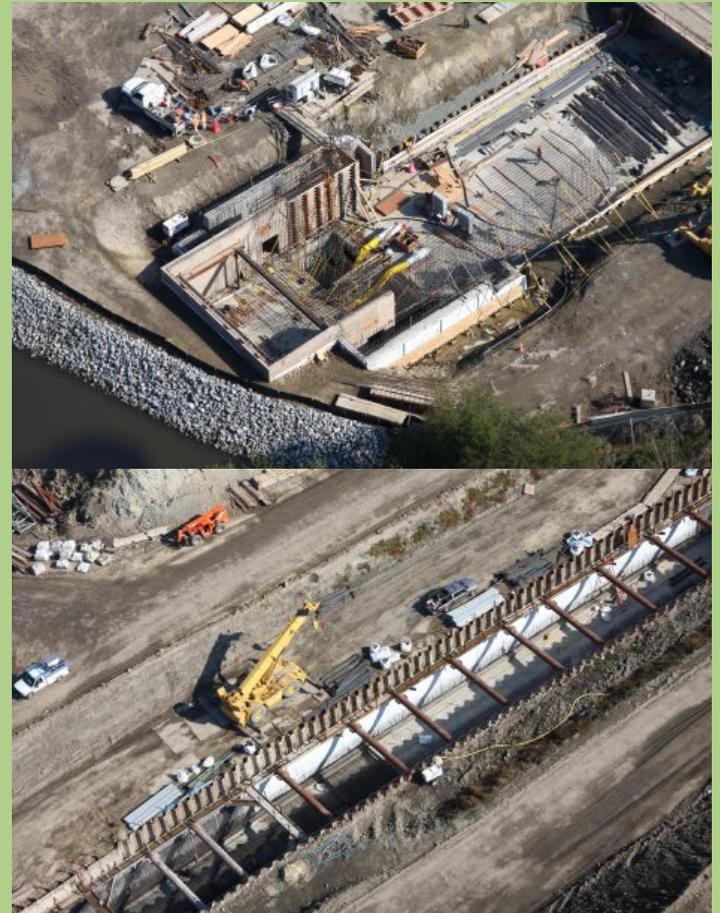
Project Progress

BART Warm Springs Extension

- **Central Park Subway Segment**
 - Design-build, began in Nov 2009
 - Progressing ahead of schedule; over 85% complete
- **Line, Track, Station & Systems Contract**
 - Design build, contract awarded in June 2011
 - Final design progressing
- **Project on schedule**
 - Projected opening date: Fall 2015

eBART

- Transfer station & SR-4 Widening progressing
- City of Pittsburg funded foundation work for future Railroad Ave. Station
- Railcar procurement contract to be advertised late 2012
- Overall project on track; schedule, cost and funding to be updated



Projects: High Risk/At Risk

- **Dumbarton Rail**
 - Project underfunded by approximately \$400 million; no potential funding source identified to close shortfall in near term
 - Good progress in advancing draft EIR/EIS
 - AC Transit and partners preparing an interim bus service operating plan
- **AC Transit Bus Rapid Transit**
 - Draft Record of Decision to be submitted in May/ anticipated environmental approval in July/August
 - Project construction funding may have timing issues; need to identify additional near-term funding or reduce cost.
- **I-880 North Safety Improvements/I-580 Rapid Transit Corridor Improvements**
 - Recent schedule delays may place Proposition 1B CMIA/I-Bond funds at risk

Program Outlook

Major Contracts Anticipated to be Awarded:

- **eBART:**
 - Roadway re-alignment and parking lot near Hillcrest station – Spring 2012
 - SR4 Widening Segment 3A (Somersville to Hillcrest) – Summer 2012
 - Vehicles – Fall 2012

- **TransBay Terminal:**
 - Glazing contract – Spring 2012
 - Construction of Transit Center below grade structure and Bus Storage Facility – Fall 2012

METROPOLITAN TRANSPORTATION COMMISSION
Regional Measure 2 Major Projects Status Summary (ending December 2011)¹

No.	Project Name	Sponsors/ Implementation Agency	Current Project Phase	Current Total Project Cost ²	RM2 Funding	RM2 Allocation thru' 12/11	Other Bridge Tolls	% Bridge Tolls of Total cost	Cost Status	Schedule Status	Remarks
Legend: Significant schedule delay, cost increase or funding shortfall, scope deviation Schedule delays, cost increase or funding shortfall, scope deviation warranting concern Proceeding according with planned budget and schedule Project completed											
4	Dumbarton Commuter Rail	SMCTA, ACTC, VTA	PE/Environmental	\$700,666,000	\$44,000,000	\$9,307,000		6%			Interim bus service planning in progress. Work on prep of DEIS is progressing. Project underfunded by approx \$400M; \$150,000 allocated towards a ROW acquisition strategy.
7	I-80 / I-680 SR 12	Solano Transportation Authority	PE/Environmental/Design/ Construction	\$623,299,000	\$100,000,000	\$97,622,000	\$100,000,000	32%			Projects progressing. I-80/I-680/Hwy 12 Interchange: Delay and change in strategy in obtaining environmental approval resulted in loss of CMIA funds but this will be back-filled with TCIF funds. I-80 Eastbound Cordelia Truck Scales Relocation: Project was advertised and awarded. Construction to start soon.
8	I-80 EB HOV Lane Extension from Route 4 to Carquinez Bridge	Caltrans	Complete	\$36,725,000	\$50,000,000	\$36,725,000		100%			Construction is complete. Project cost will exceed the revised allocated budget.
10	SMART Extension to San Rafael	SMART, TAM	CON	\$360,215,000	\$36,500,000	\$36,500,000	\$5,000,000	12%			Cal Park Hill Tunnel : Construction complete and tunnel opened for use in December 2010. Sonoma Marin Area Rail Transit District (SMART) Corridor Rail Extension: Vehicle procurement, mainline construction contracts awarded at lower than estimated costs.
13	eBART	BART/CCTA	ROW/CON	\$463,250,000	\$96,000,000	\$96,000,000	\$167,000,000	57%			e-BART / Rail Extension to East Contra Costa: Transfer station under construction. Vehicle procurement bids delayed by legal review. Cost and schedule to be updated. SR4 Widening Project: Design, ROW acquisition, and construction are all on-going at different project segments.
22	Transbay Terminal/Downtown Caltrain Extension ³	Transbay JPA	ROW/CON	\$1,589,000,000	\$150,000,000	\$150,000,000	\$203,000,000	22%			Temporary terminal is open. Building demolition is completed and utility relocation and basement excavation are in progress. Major building glazing bid delayed. Real estate revenue may be impacted by market down turn and the uncertainty with redevelopment funds/process.
23	Oakland Airport Connector	BART/Port of Oakland	CON	\$484,111,000	\$115,199,000	\$115,199,000	\$31,000,000	30%			Construction contract was awarded. Project progressing on schedule.
24	AC Transit Enhanced Bus	AC Transit	PE/Environmental	\$218,798,000	\$65,000,000	\$25,157,000		100%			All 15 buses placed into revenue service. Uptown Transit Center project substantially completed; canopy is being modified to improve rain protection. Estudillo Transit Center Construction complete. Signalization project completed. East Bay Bus Rapid Transit project: AC Transit staff and consultant team are preparing the Final EIS/EIR for the project. Construction phase funding may have timing issues.
28	Water Transit Facility Improvements	WETA	PE/Environmental/CON	\$27,525,000	\$48,000,000	\$27,755,000		100%			Water Transit Facility Improvements: Status on Hercules Terminal unclear due to City issues and financial constraints of the TOD development. South San Francisco Terminal is approaching completion. Spare Vessels: Gemini & Pisces were delivered and have entered service. Berkeley Terminal environmental expected to be complete this year.
30	I-880 North Safety Improvements	ACTC	PE/Environmental	\$98,414,000	\$10,000,000	\$8,660,000		10%			The project is currently in the design phase. Continued schedule slippage may result in loss of I-Bond funding.
31	BART Warm Springs Extension	BART	CON	\$890,000,000	\$186,000,000	\$186,000,000	\$118,000,000	34%			Fremont Grade Separation: Project completed in May 2010. Warm Springs Extension Subway: Phase 1 and Phase 2 design-build construction in progress.
32	I-580 (Tri Valley) Rapid Transit Corridor Improvements	ACTC	Design/CON	\$357,999,000	\$65,000,000	\$45,031,000	\$111,000,000	49%			EB I-580 Improvements: Schedule delay places CMIA funding at risk I-580/I-680 Interchange Modification and WB I-580: Schedule delay places CMIA funding at risk.
36	Caldecott Tunnel Improvements - Fourth Bore	CCTA	CON	\$348,517,000	\$50,500,000	\$42,202,000		14%			Fourth Bore (Tunneling): Construction is on-going and approximately 46% complete. Contingency funds in the amount of \$27 million will be added. Follow-up study: Project has not started yet.
Total				\$6,198,519,000	\$1,016,199,000	\$876,158,000	\$735,000,000	28%			

Notes: 1. Allocations through December 2011 are reported on this table. Remarks include information that reflects activities through March 2012.
 2. Total project costs are estimated escalated costs.
 3. Schedule and cost shown is for Transbay Terminal only. Downtown rail extension is currently scheduled to be completed in 2020 if funding can be secured.