

# Metropolitan Transportation Commission Programming and Allocations Committee

April 13, 2011

Item Number 3c

## Regional Measure 2: Capital Program Monitoring

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**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 December 2010, MTC has approved over \$1.1 billion in capital allocations, almost three-fourths of the \$1.5 billion available.

The attached staff presentation is the semiannual report for the RM2 capital program. The operating program is reported on an annual basis and was presented to the Commission in October.

As the program starts its seventh year, a number of major projects have seen significant progress with several entering the construction phase. The current bidding climate continues to be favorable, providing construction bids below estimates on several projects. MTC has been monitoring RM2 project bid prices and has rescinded some allocations to reflect savings. The uncertainty of the state budget may delay several RM2 projects because they rely on bond sales. MTC staff continues to monitor and coordinate with the project sponsors.

### General Assessment:

- The majority of projects are under construction and moving forward.
- The bidding climate continues to be favorable, resulting in cost savings on many projects.
- A drop in sales tax revenues has led to revenue challenges, and the state budget situation may delay several projects' schedules.
- A few major projects are still not fully funded; MTC is working with sponsors to secure additional funds or revise scopes/phase projects.
- Some projects have completely drawn down RM2 funds, and are now using RM1/AB 1171 toll funding.
- MTC is focusing efforts to address new challenges as projects enter more advanced stages of development and construction.

The attached slides provide additional detail on major milestones and critical project issues.

**Issues:** None.

**Recommendation:** Information.

**Attachments:** RM2 Project Status Summary  
Presentation Slides

**METROPOLITAN TRANSPORTATION COMMISSION**  
**Regional Measure 2 Project Status Summary (ending December 2010)<sup>1</sup>**

No.	Project Name	Sponsors/ Implementation Agency	Current Project Phase	Current Total Project Cost <sup>2</sup>	RM2 Funding	RM2 Allocation thru 12/10	Other Bridge Tolls	% Bridge Tolls of Total cost	Cost Status	Schedule Status	Remarks
<b>Legend:</b> 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											
1	BART/Muni Connection at Embarcadero and Civic Center Stations	BART	Scoping	\$3,000,000	\$3,000,000	none		100%	N/A	N/A	Project scope is still under discussion.
2	SF MUNI Metro 3rd Street LRT Extension Metro East Maintenance Facility	SF Muni	Completed	\$214,612,000	\$30,000,000	\$30,000,000		14%			RM2 elements completed. Facility is open for service. Additional work funded by others being added to the project.
3	SF MUNI Historic Streetcars Rehabilitation	SF Muni	CON	\$20,257,000	\$10,000,000	\$10,000,000		49%			The contract was awarded. The rebrushing will be completed in 2012 to be followed by a 2 year warranty period.
4	Dumbarton Commuter Rail	SMCTA, ACTIA, ACCMA, VTA	PE/Environmental	\$700,666,000	\$44,000,000	\$9,157,000		6%			Dumbarton Commuter Rail Service: Project status reported to PAC in March 2011. Interim bus service alternative under consideration. Project underfunded by approx \$400M; publication of draft EIR/EIS delayed. Union City Intermodal EIR: Final EIR/EIS certified by City in February 2006.
5	Vallejo Station	Vallejo Transportation Program, STA	CON	\$73,523,000	\$28,000,000	\$14,899,354		38%			ROW for first phase is secured. Discussion on post office relocation is ongoing. Construction of the initial phase, transit center and administration building, started in November 2009.
6	Solano County Express Bus Intermodal Facilities	Solano Transportation Authority	PE/Environmental/CON	\$87,489,000	\$20,000,000	\$7,297,000		23%			Only 2 of 4 sub-projects are fully funded. Sponsor may phase under-funded projects to deliver operable segments.
7	I-80 / I-680 SR 12	Solano Transportation Authority	PE/Environmental/Design/Construction	\$623,312,000	\$100,000,000	\$97,622,000	\$100,000,000	32%			Projects progressing.
8	I-80 EB HOV Lane Extension from Route 4 to Carquinez Bridge	Caltrans	CON	\$36,735,000	\$50,000,000	\$36,735,000		100%			Construction approximately 75% complete overall. Project construction somewhat delayed and may exceed allocated budget.
9	Richmond Parkway Park & Ride	AC Transit	PE/Environmental	\$28,780,000	\$16,000,000	\$700,000		56%			Project sponsor evaluating future O&M costs. Environmental clearance obtained in December 2010.
10	SMART Extension to Larkspur or San Quentin	SMART, TAM	CON	\$395,000,000	\$35,000,000	\$13,406,000		100%			Cal Park Hill Tunnel: Construction completed and tunnel opened December 2010. Sonoma Marin Area Rail Transit District (SMART) Corridor Rail Extension: Funding and cashflow plan being confirmed and implementation strategy developed.
11	U.S. 101 Greenbrae I/C Corridor and Bike/ Ped Improvements	TAM	PE/Environmental	\$159,550,000	\$65,000,000	\$15,850,000		41%			U.S. 101 Greenbrae I/C: project is progressing in the environmental phase. Construction phase is not fully funded and may be phased. Sir Francis Drake Widening: Construction complete and operational. Cal Park Hill Tunnel: Construction complete and tunnel opened December 2010. Central Marin Ferry Access Imps. Phase A - Wornum to Corte Madera: Project is approaching environmental approval.
12	Direct HOV Lane Connector from I-680 to Pleasant Hill BART	CCTA	Study Completed	\$1,000,000	\$15,000,000	\$1,000,000		100%			Study Completed. Next phase of project under discussion.
13	E-BART	BART	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 contract awarded. Vehicle procurement document preparation and other design work are ongoing. SR4 Widening Project: Loveridge Rd to SR160 - ROW for Future Transit in Median: ROW acquisition and design for additional widening are ongoing. Strategy to address cash flow is subject to Measure J Strategic Plan.
14	Capital Corridor Station and Track Improvements in Solano County	CCJPA, City of Fairfield	PE/Environmental/CON	\$47,887,000	\$25,000,000	\$3,365,000	\$9,000,000	71%			Bahia Benicia Crossover Project: Project was completed in April 2010. Fairfield/Vacaville Intermodal Train Station: (see project #17 for status).
15	Central Contra Costa BART Crossover	BART	CON	\$38,000,000	\$25,000,000	\$25,000,000		66%			Construction progressing on schedule. The construction cost is on target. Soft cost has exceeded the estimates.
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	Various	PE/Environmental/Design/ROW/CON	\$6,106,742	\$20,000,000	\$5,232,000		N/A			Vacaville Intermodal Station: Project is under construction; anticipate project savings. Pacheco Transit Center: Design is almost complete. Diablo Valley College Transit Center: Project is complete. Fairfield/Vacaville Intermodal Terminal: 65% design complete but construction under-funded.
18	Clipper	MTC	PE/Environmental/Design/CON	\$28,094,000	\$22,000,000	\$20,739,000		78%			TVM Integration: project approaching completion; GG Ferry Fare Gate: design completed and project will be completed in April 2011; Regional Integration: progress made on SFMTA and GG TVMs: all TVMs deployed for VTA project; Clipper Reconciliation/Support: project complete; Faregate Integration: roll-out complete.
19	Real Time Transit	Various	PE/Environmental/Design/CON	\$54,182,000	\$20,000,000	\$17,629,426		37%			Installation of real-time display units for Muni, AC transit and WestCAT vehicles is complete/on the verge of completion. Individual systems are being deployed as they are being completed. Emery Go Round at MacArthur BART and VTA's projects are experiencing schedule delays.
20	Safe Routes to Transit	Various	PE/Environmental/Design/CON	\$21,858,127	\$22,500,000	\$11,337,864		100%			Projects progressing on schedule. Nearly half of the sub-projects have been completed.
21	BART Tube Seismic Retrofit	BART	CON	\$292,101,000	\$33,801,000	\$33,801,000		12%			San Francisco Ferry Building seismic joint retrofit is complete. Scope of tube retrofit is less than previously anticipated. The determination of the retrofit strategy for Zone 5/6 of the Transbay Tube is approaching 65% design.
22	Transbay Terminal/Downtown Caltrain Extension <sup>3</sup>	Transbay JPA	ROW/CON	\$4,185,000,000	\$150,000,000	\$150,000,000	\$203,000,000	8%			Temporary terminal is open and excavation for basement and underground utility relocation will begin in early 2011. It is unclear whether the soft real estate market will impact funding generated from development rights.
23	Oakland Airport Connector	BART/POO	CON	\$484,111,000	\$115,199,000	\$115,199,000	\$31,000,000	30%			Construction contract awarded. Contractor is performing full design work. BART received FTA's concurrence to Title VI plan.
24	AC Transit Enhanced Bus	AC Transit	PE/Environmental	\$242,989,000	\$65,000,000	\$23,157,000		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 substantially completed. East Bay Bus Rapid Transit project: AC Transit submitted the Final EIS/EIR to FTA in February 2011, and anticipate Environmental completion in October 2011. The support for the project at the local level continues to be uncertain.
25	Commute Ferry Service for Alameda/Oakland/Harbor Bay	WETA	-	-	\$12,000,000	none		N/A	N/A	N/A	
26	Commute Ferry Service for Berkeley/Albany	WETA	PE/Environmental	-	\$12,000,000	none		N/A	N/A	N/A	Environmental phase funded from project #28.
27	Commute Ferry Service for South San Francisco	WETA	Completed	\$17,763,000	\$12,000,000	\$12,000,000		68%			Project completed. (Vessels delivered).
28	Water Transit Facility Improvements	WETA	PE/Environmental	\$27,525,000	\$48,000,000	\$27,755,000		100%			Water Transit Facility Improvements: Environmental documents are completed; project schedule continues to slip. Status of Hercules Terminal unclear due to City issues. Spare Vessels: Gemini & Pisces were delivered and have entered service. Berkeley Terminal environmental expected to be complete this year.
29	Express Bus South	ACCMA & AC Transit	Completed	\$36,184,000	\$22,000,000	\$21,988,882		61%			10 AC Transit buses delivered and in service. SR 84 Newark Blvd HOV On-ramp project suspended due to lack of funding. SR 84 WB HOV Lane Extension is complete and open to traffic in September 2008. Grand MacArthur Express Bus construction was completed. Ardenwood PNR - construction complete.
30	I-880 North Safety Improvements	ACCMA	PE/Environmental	\$98,414,000	\$10,000,000	\$8,660,000		10%			Consultant selected for PS&E and project progressing toward design completion.
31	BART Warm Springs Extension	BART	CON/Completed	\$1,000,986,000	\$186,000,000	\$186,000,000	\$118,000,000	30%			Fremont Grade Separation: Project completed in May 2010. Warm Springs Extension Subway: Phase 1 construction in progress. BART received Phase 2 bids in January 2011.
32	I-580 (Tri Valley) Rapid Transit Corridor Improvements	ACCMA	Design/CON	\$345,970,000	\$65,000,000	\$45,877,000	\$111,000,000	51%			EB I-580 Improvements: With the exception of the Aux Lane Project, the rest of the EB I-580 Improvement Projects are either complete or progressing satisfactorily. I-580/680 Interchange Modification and WB I-580. The HOV Lane project is in the PS&E Stage and is on track for RTL by the end of March 2011. Approval process for PSR for Pavement Rehab has slowed down Caltrans' review of PS&E packages.
33	San Francisco Bay Area Rail Study	MTC/PCJPB	PE/Scoping/Completed	\$6,700,000	\$6,500,000	\$6,465,108		97%			Forecast Study Report completed in September 2007. Transit Connectivity Plan adopted in April 2008; project completed. Regional Rail Plan Study completed in September 2007; the regional rail ROW study is preparing a final report that will recommend a two-pronged 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 will be closed out.
35	Transit Commute Benefits Promotion	MTC	Scoping	\$5,000,000	\$5,000,000	\$3,220,000		100%			Enhancements to the program are continuously being made.
36	Caldecott Tunnel Improvements - Fourth Bore	CCTA	CON	\$365,474,000	\$50,500,000	\$42,202,000		14%			Fourth Bore (Tunneling): construction ongoing and nearly 25% complete by end of December 2010. Follow-up study: project has not started yet. Work expected to start in early 2011.
37	BART Transit Capital Rehabilitation	BART	CON	\$210,152,000	\$24,000,000	\$24,000,000		11%			Various projects ongoing.
<b>Total</b>				<b>\$11,674,370,869</b>	<b>\$1,515,000,000</b>	<b>\$1,167,794,634</b>	<b>\$1,913,700,000</b>	<b>29%</b>			

Notes: 1. Total allocations through December 2010 are reported on this table. Remarks include information that reflects activities through February 2011.  
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.

# Regional Measure 2: Capital Program Update

April 13, 2011

Programming and Allocations  
Committee



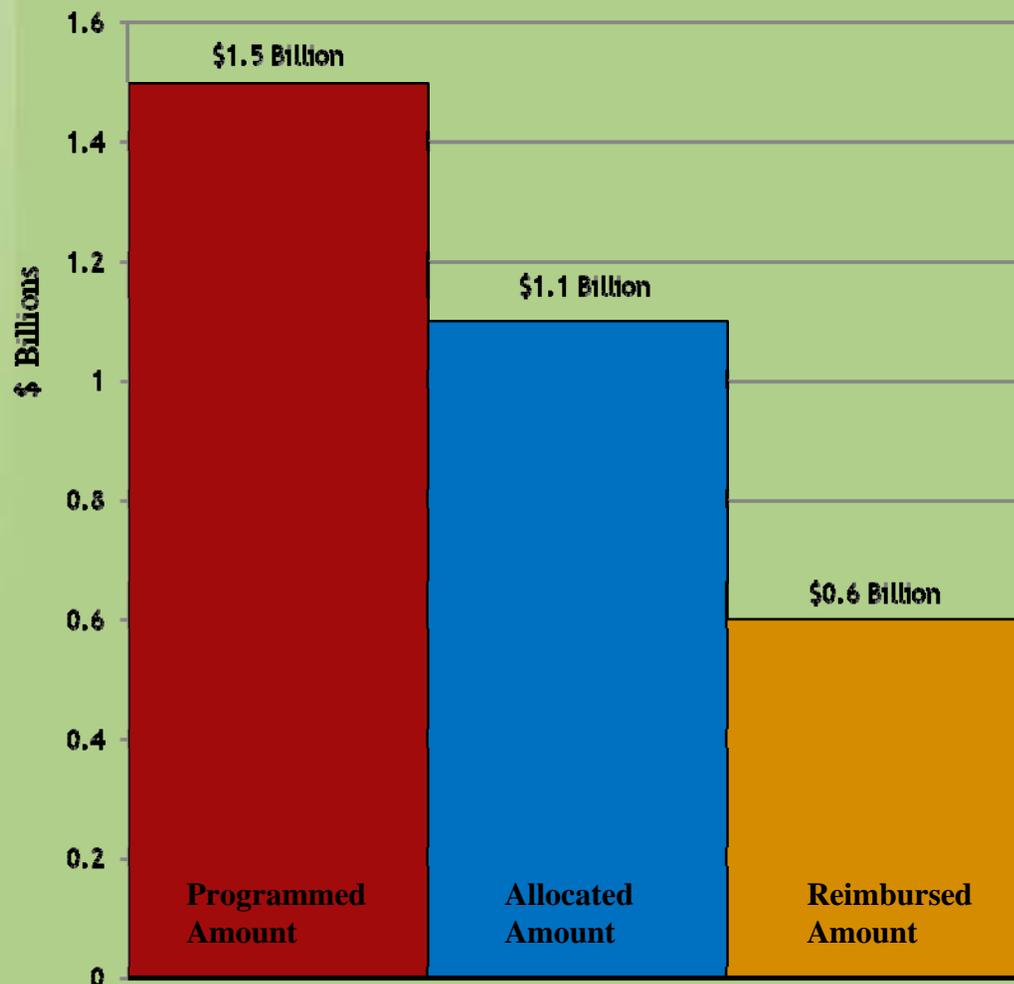
METROPOLITAN TRANSPORTATION COMMISSION

# Capital Program Summary

- Passed by Voters in March 2004
- 37 Projects in Statute, \$1.5 billion program
- Allocations through December 2010: Over \$1 billion
- About 75% of program allocated

Project Phase	No. of Allocations	Amount	
		(\$ millions)	Percentage
PA/ED or Study	75	\$211	18%
Design	35	\$167	14%
Right-of-way	20	\$129	11%
Construction	86	\$661	57%
Total	216	\$1,168	100%

# Capital Program Summary



Of roughly \$0.5 billion not yet reimbursed, nearly 80% is due to the following projects currently under construction:

- BART Extension to Warm Springs (\$142 M)
- Oakland Airport Connector (\$115 M)
- E-BART (\$68 M)
- Caldecott Tunnel Improvements - Fourth Bore (\$28 M)
- I-80 EB HOV Lane extension (\$27 M)

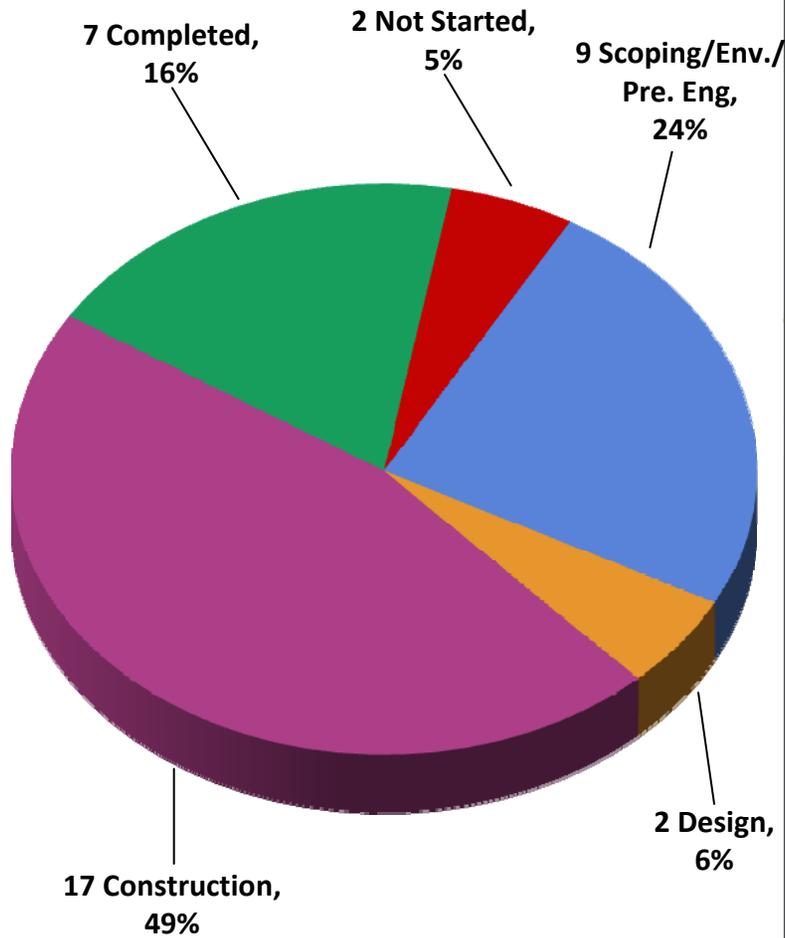
# Program Assessment

- 1. Majority of projects “On Track” & “Under Construction” .
- 2. Bid climate continues to be favorable, resulting in cost savings on many projects.
- 3. Drop in Sales Tax Revenues leading to revenue challenges; State budget deficit continues to create uncertainty.
- 4. Few major projects still not fully funded, MTC working with sponsors to secure additional funds or phase or down scope the projects.
- 5. MTC focusing efforts on projects in advanced stages of development & construction. Some of these projects are experiencing minor schedule and/or budget variances.

Overall Assessment :



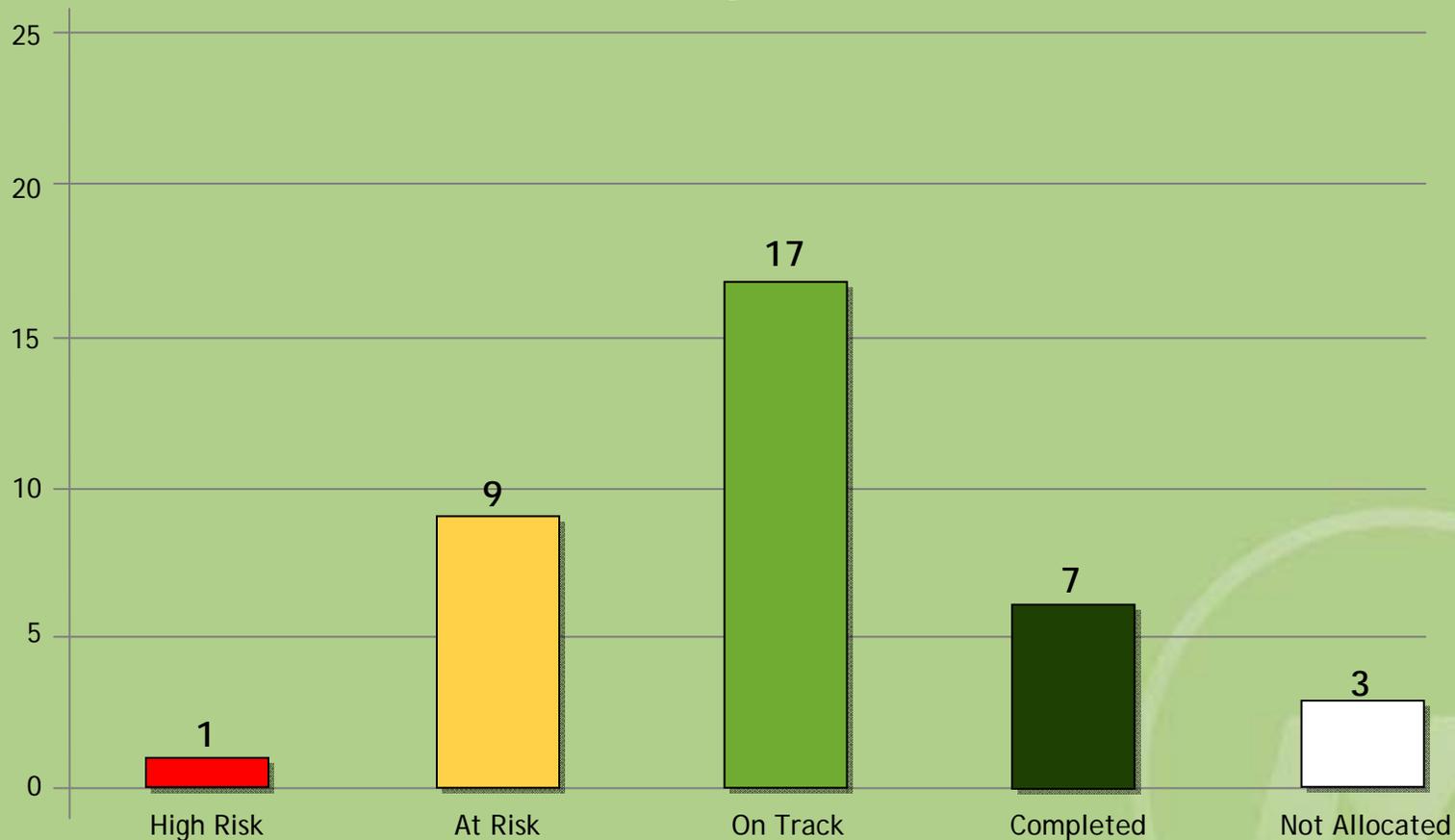
# RM2 Projects by Phase



● Scoping/Env./Pre. Eng   
 ● Design   
 ● Construction   
 ● Completed   
 ● Not Started   
 ● Project Status Change

# Project Progress - Budget/Schedule Status

## *Semi-Annual Report Findings\*:*



\* Does not include sub-project details

# Completed Project Elements

- Clipper Reconciliation and Support - Cards Rolled Out
- Cal Park Hill Tunnel - Tunnel Open to Public
- TransBay Temporary Terminal Completed and Open
- SR2T - Berkeley BART Station Access & Bike Station
- I-580 - Eastbound HOV Hacienda to Portola
- I-80/I-680/SR12 Interchange - North Connector from Abernathy Rd to Green Valley Rd
- Caldecott Tunnel Fourth Bore - SR 13/24 Ramp Modification



# Projects: On Track



## *Transit - Under Construction*

- ✿ **Clipper Deployment\***
- ✿ BART Extension to Warm Springs (Subway Segment)
- ✿ BART Tube Seismic Strengthening
- ✿ SF Muni Historic Vehicle Rehabs
- ✿ Vallejo Station
- ✿ Vacaville Intermodal Station
- ✿ Central Contra Costa BART Crossover
- ✿ Real Time - Installation of real-time display units for VTA, SamTrans, AC Transit & WestCAT
- ✿ Water Transit Facility Improvements - Pier 9 Berthing Facilities, SSF Ferry Terminal
- ✿ Transbay Terminal - Demolition work



\*Clipper Deployment is the only project added to this list since the Nov 2010 RM2 update to PAC.

# Projects: On Track



## *Transit - Starting Construction*

- 🌱 Oakland Airport Connector
- 🌱 eBART Transfer Station

## *Highway - Under Construction*

- 🌱 I-580 Eastbound HOV Phase 2
- 🌱 SR-4 Median Widening (eBART)



eBART Transfer Station



I-580 EB HOV-Phase 2



Oakland Airport Connector

# Projects: On Track



## *Bike/Ped/SR2T - Under Construction\**

- ✿ Improved Bicycle Access to 16th Street BART Station
- ✿ SF Market Street Safety Zone Calming
- ✿ El Cerrito/Albany Ohlone Greenway Safety Project
- ✿ Electronic Bike Locker Gap Closure
- ✿ Safe Routes to Ed Roberts Campus and Ashby BART



## *Bike/Ped/SR2T - Nearing Construction\**

- Mission & Geneva Pedestrian Improvements
- MacArthur BART Station Bicycle Access Project - Phase II
- Marin Puerto Suello Hill Path



\*Shaded projects are new to these lists.

# Projects: Construction Watch

## Contra Costa I-80 HOV Widening:

- Caltrans behind schedule: original completion date of late 2010 is now summer 2011
- Weather and unexpected site conditions caused delays
- Delays may lead to cost increases in Caltrans support and increased contractor payments

## Caldecott Tunnel Fourth Bore:

- Significant progress: construction near 25 percent complete by December 2010
- Project experiencing some schedule slippage

# Projects: May Be Affected by State Fund Delays

Projects anticipating state bond funds  
(Prop 1B CMIA or Transit):

Project	Total Cost	State \$	State \$ as Percentage of Total Cost (%)
BART Warm Springs Extension: Stage 2	\$421 million	\$51 million	12%
I-80/I-680/Hwy 12 Interchange - Phase 1	\$111 million	\$35 million	32%
E-BART - State Route 4 Segment	\$93 million	\$57 million	61%

# Projects: At Risk



## Greenbrae Corridor Improvements:

- Project progressing without finalized funding plan: appx \$100M unfunded, \$150M total cost
- Some delay caused by disagreement over closure of Madera ramp - issue resolved and work is progressing
- Publication of draft EIS/EIR delayed; revised strategy to be developed

## Richmond Parkway Park & Ride

- Sponsors evaluating phasing/implementation; construction fund timing uncertain
- Sponsor concerned about funds for long-term O&M

## Vallejo Curtola Park & Ride

- Project in ENV/PA phase; construction phase only 20% funded
- Project progressing slowly and City staff/Caltrans coordinating

## Fairfield Transportation Center

- construction phase just over 50% funded: \$8.5M in RM2 and federal funds combined for \$16M project cost to construct
- Sponsor considering phasing the project for funding purposes

# Program Outlook

## Major Contracts Anticipated to be Awarded:

- eBART: State Route 4 and Vehicles - summer/fall 2011
- BART Warm Springs: Line, Track, Station and Systems - spring 2011
- TransBay Terminal: Glazing (glass shell) - summer 2011
- I-80 Eastbound Cordelia Truck Scales Relocation - fall 2011