

Metropolitan Transportation Commission Programming and Allocations Committee

June 11, 2008

Item Number 2f

Resolution Nos. 3739, Revised and 3722, Revised

Subject: Allocation of \$12.3 million and rescission of \$1.9 million in Regional Measure 2 (RM2) capital program funds.

Background: To date, MTC has allocated \$639 million of the RM2 \$1.5 billion capital program. This month two projects are proposed for capital allocation:

Solano County North Connector Project (\$10.3 million). The Solano Transportation Authority (STA) requests allocation of \$1 million for final design, \$7 million for right-of-way, and \$2.3 million for construction (of an earlier constructible segment) of the North Connector project. The STA Board certified the environmental document of this project in May, and is now ready to proceed with final design and right-of-way acquisition for the entire project. The advance segment does not include any right-of-way acquisitions, and would improve signalizations and ramps between Chadbourne and I-80. This advance construction segment is ready for construction this summer.

Real Time Transit - MUNI Automatic Vehicle Location (AVL) Project (\$1.9 million): The San Francisco Municipal Transportation Authority (SFMTA) requests reallocation of \$1.9 million to reassign different phases of the AVL project. The Commission approved a \$20 million real-time transit program in July of 2005, including \$11.3 million for SFMTA. The new phases include retrofit and upgrade work on the bus fleets and the base system, installation of real time transit information display monitors and maps at the Metro subway platforms and development of a unique stop ID system. Funds amounting to \$1.9 million are being rescinded from the prior allocation to SFMTA for this reallocation. Overall, the initial funds are being realigned to match specific phases of work identified in SFMTA's contract with NextBus and accrued RM2 savings are being used to enhance the existing project.

Issues: None.

Recommendation: Refer Resolution Nos. 3739, Revised, and 3722, Revised, to the Commission for approval.

Attachments: MTC Resolution Nos. 3739, Revised, 3722, Revised.

Date: January 25, 2006
W.I.: 1255
Referred by: PAC
Revised: 10/25/06-C
03/28/07-C
11/28/07-C
05/28/08-C
06/25/08-C

ABSTRACT

MTC Resolution No. 3739, Revised

This resolution approves the allocation of Regional Measure 2 funds for the Solano County Corridor Improvements near Interstate 80/Interstate 680/SR 12 Interchange project sponsored and implemented by the Solano Transportation Authority.

This resolution includes the following attachments:

- Attachment A - Allocation Summary Sheet
- Attachment B - Project Specific Conditions for Allocation Approval
- Attachment C - MTC staff's review of Solano Transportation Authority's Initial Project Report (IPR) for this project
- Attachment D - RM2 Deliverable/Useable Segment Cash Flow Plan

This resolution was revised on October 25, 2006 to approve a supplemental allocation for environmental and preliminary engineering for subproject 2, I-80 HOV Lanes in Solano County, for \$1 million.

This resolution was revised on March 28, 2007 to approve an allocation of final design funds for subproject 2, I-80 HOV Lanes in Solano County, for \$4.5 million, and an allocation for construction of an advance bridge widening for the same project for \$2 million.

This resolution was revised on November 28, 2007 through Commission Action to approve an allocation of environmental and preliminary engineering funds for subproject 3, I-80/I-680/SR-12 Interchange, for \$13.5 million in RM2 funds.

This resolution was revised on May 28, 2008 through Commission Action to rescind \$5.2 million from the environmental allocation for subproject 3, I-80/I-680/SR-12 Interchange, originally allocated for \$13.5 million in RM2 funds, and reallocate the rescinded \$5.2 million for

ABSTRACT

MTC Resolution No. 3739, Revised

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subproject 4, I-80 Eastbound Cordelia Truck Scales Relocation. The revised environmental allocation amount for subproject 3 is \$8.3 million.

This resolution was revised on June 25, 2008 through Commission Action to allocate \$1 million in final design (PS&E), \$7 million in Right of Way, and \$2.3 million in advanced construction RM2 funds for the North Connector project.

Additional discussion of this allocation is contained in the Executive Director's memorandum to the MTC Programming and Allocations Committee dated January 11, 2006, October 4, 2006, March 7, 2007, November 14, 2007, May 14, 2008, and June 11, 2008.

REGIONAL MEASURE 2 PROGRAM Allocation of Funds

Project Title: North Connector
Sponsor: Solano Transportation Authority
Project Number: 7.1

Allocation No. 1						
Activities to be funded with Allocation #1:						
1. Detailed preliminary engineering.						
Funding Information:						
Allocation Instruction No.	Approval Date	Amount	Phase	Reimbursement Year		Cumulative Total To Date
06373901	25-Jan-06	\$ 1,000,000	ENV	2005-06	\$	1,000,000
07373902	25-Jan-06	\$ 1,500,000	ENV	2006-07	\$	2,500,000

Allocation No. 2						
Activities to be funded with Allocation #2:						
This allocation will fund the final design of the North Connector project, as well as acquire necessary right-of-way for the project as identified in the environmental document. The additional advance construction allocation will construct the North Connector segment from X to Y, which does not need additional right-of-way.						
Funding Information:						
Allocation Instruction No.	Approval Date	Amount	Phase	Reimbursement Year		Cumulative Total To Date
08373910	25-Jun-08	\$ 1,000,000	PSE	2007-08	\$	3,500,000
08373911	25-Jun-08	\$ 7,000,000	ROW	2007-08	\$	10,500,000
08373912	25-Jun-08	\$ 2,300,000	CON (Adv.)	2007-08	\$	12,800,000

RM2 Project Number: 7.1 North Connector

Lead Sponsor Solano Transportation Authority	Other Sponsors(s) N/A	Implementing Agency (if applicable) Solano Transportation Authority and Caltrans
Legislated Project Description <p>Solano County Corridor Improvements near Interstate 80/Interstate 680 Interchange. Provide funding for improved mobility in the corridor based on recommendations of a joint study conducted by the Department of Transportation and the Solano Transportation Authority. Cost effective transit infrastructure investment or service identified in the study shall be considered a high priority.</p>		
RM2 Legislated Funding (in \$1,000)		Total Estimated Project Cost (in \$1,000)
Total Overall Funding: \$100,000		Total Overall Cost: \$399,960
7.1 North Connector (\$20,052)		7.1 North Connector (\$56,664)
7.2 I-80 HOV Lanes in Solano Co. (\$11,000)		7.2 I-80/I-680/SR12 HOV Lanes (\$79,948)
7.3 I-80/I-680/SR-12 Interchange (\$68,948 [split between 7.3 and 7.4])		7.3 I-80/I-680/SR-12 Interchange (\$162,248)
7.4 I-80 Eastbound Cordelia Truck Scales Relocation (\$68,948 [split bt 7.3&7.4])		7.4 I-80 Eastbound Cordelia Truck Scales Relocation (\$100,900)
Project Purpose and Description <p>The Solano Transportation Authority (STA) is proposing improvements to address traffic operations and congestion to the existing I-80/I-680/State Route (SR) 12 Interchange complex in Solano County. The overall improvements are split into three independent projects: the North Connector (connecting SR 12 (W) with SR 12 (E) between Abernathy to Green Valley Road), the I-80 HOV Lanes (between Red Top Road to Airbase Parkway), and the remainder of the interchange improvements. The first two of the three segments are fully funded through construction and the third is partially funded. However, the STA is currently proceeding with three environmental documents simultaneously: an EIR/EA for the North Connector project, a Negative Declaration/Finding of No Significant Impacts (FONSI) for the I-80 HOV Lanes project and an Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the balance of the interchange. Caltrans and the FHWA have concurred with this approach. The Final Environmental Document is anticipated for approval in the winter of 2007 for the North Connector, the first quarter of 2007 for the I-80 HOV Lanes, and in 2008 for the balance of the interchange. Only a Record of Decision can be issued for the funded phases of the third segment, the balance of the interchange.</p>		
Funding Description <p>Committed Funds: The project is funded through TCRP, Local, RM2, and STIP funds. Uncommitted Funds: The North Connector project is fully-funded. Operating Capacity: The North connector project will be owned and operated by local jurisdictions, as it is off the State Highway system. Caltrans will be responsible for owning and operating the mainline interchange improvements, as part of the State Highway System.</p>		

Overall Project Cost and Schedule

Phase	Scope	Start	End	Cost (in \$1,000)
1	Final Environmental Document	10/2002	05/2008	\$5,500
2	Plans, Specifications and Estimates	05/2008	05/2009	\$3,800
3	Right-of-Way	05/2008	07/2009	\$4,000
4	Construction	07/2009	08/2011	\$43,364

Total: \$56,664

Total Project Funding Plan: Committed and Uncommitted Sources

(Amounts Escalated in Thousands)

Project Title	North Connector					Project No. 7.1				
Lead Sponsor	Solano Transportation Authority									

Fund Source	Phase	Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
Committed										
TCRP	ENV		3,000							3,000
Local	PSE					2,300				2,300
Local	ROW					1,000				1,000
Local	CON						18,900			18,900
Bridge Tolls (RM2/1171)	ENV			2,500						2,500
Bridge Tolls (RM2/1171)	PSE					1,000				1,000
Bridge Tolls (RM2/1171)	ROW					7,000				7,000
Bridge Tolls (RM2/1171)	CON (Advanced)					2,300				2,300
Bridge Tolls (RM2/1171)	CON							7,252		7,252
STIP	CON							11,412		11,412
										0
										0
Total:		0	3,000	2,500	0	13,600	18,900	18,664	0	56,664
Uncommitted										
Total:		0	0	0	0	0	0	0	0	0
Total Project Committed and Uncommitted										
		Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
Total:		0	3,000	2,500	0	13,600	18,900	18,664	0	56,664

REGIONAL MEASURE 2 PROGRAM
Project Cash Flow Plan

January 25, 2006
Attachment D-1
MTC Resolution No. 3739
Org Key: 840-8807-01
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Revised: 06/25/08-C

Project Title: North Connector
Sponsor: Solano Transportation Authority
RM2 Project Number: 7.1

	PRIOR	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	TOTAL
RM2 Funds Total	-	-	-	1,500,000	10,300,000	-	11,800,000
Environmental (ENV)	0	0	1,000,000	1,500,000	0	0	2,500,000
RM2			1,000,000	1,500,000			2,500,000
							0
							0
							0
Final Design (PS&E)	0	0	0	0	3,300,000	0	3,300,000
RM2					1,000,000		1,000,000
Local					2,300,000		2,300,000
							0
							0
Right of Way	0	0	0	0	8,000,000	0	8,000,000
RM2					7,000,000		7,000,000
Local					1,000,000		1,000,000
							0
							0
Construction	0	0	0	0	2,300,000	0	2,300,000
RM2 (Advance CON)					2,300,000		2,300,000
							0
							0
							0
TOTAL FUNDING							
Environmental	0	0	1,000,000	1,500,000	0	0	2,500,000
Final Design (PS&E)	0	0	0	0	3,300,000	0	3,300,000
Right of Way	0	0	0	0	8,000,000	0	8,000,000
Construction	0	0	0	0	2,300,000	0	2,300,000
PROJECT TOTAL	0	0	1,000,000	1,500,000	13,600,000	0	16,100,000

Date: October 26, 2005
W.I.: 1255
Referred by: PAC
Revised: 02/22/06-C
06/25/08-C

ABSTRACT

MTC Resolution No. 3722, Revised

This resolution approves the allocation of Regional Measure 2 funds for the Real-Time Transit Information Program administered by Metropolitan Transportation Commission (MTC) and sponsored/ implemented by the various Bay Area transit operators identified in Attachment A of Resolution No. 3708.

This resolution includes the following attachments:

- Attachment A - Allocation Summary Sheets
- Attachment B - Project Specific Conditions
- Attachment C - MTC staff's review of Initial Project Reports (IPRs)
- Attachment D - RM2 Deliverable/Useable Segment Cash Flow Plan

This resolution was revised on February 22, 2006 to allocate funds to the Peninsula Corridor Joint Powers Board for the Caltrain Real-Time Transit Information Project and to WestCAT for the Technology Implementation and Signage Project.

This resolution was revised on June 25, 2008 to rescind \$ 1,986,400 from the prior allocation and to reallocate these funds to different phases (new & old) of the project.

Additional discussion of this allocation is contained in the memorandum to the MTC Programming and Allocations Committee dated October 12, 2005, February 8, 2006 and June 11, 2008.

**REGIONAL MEASURE 2 PROGRAM
Allocation of Funds**

Project Title: Automatic Vehicle Location (AVL) project.
Sponsor: San Francisco Municipal Railway
Project Number: 19.2

Allocation No. 1						
Activities to be funded with Allocation #1:						
PHASE 2b: Deploy 400 wayside bus shelter passenger information signs; provide operations and maintenance training; provide 86 mobile computers for transit inspectors; begin acceptance testing.						
PHASE 3: Install and deploy AVL system to all 495 motor coaches, complete acceptance testing.						
PHASE 4: Install Third Street large-format platform signage for the extended K-line (35 signs).						
PHASE 5: Implement software changes required for direct data pipes (prediction data and schedule data) from Muni's AVL server to the 511 system, and other public agencies.						
PHASE 6: Implement automated process for incorporating configuration of schedule and route changes into the AVL and prediction servers, so as to automatically generate maps and prediction changes without human intervention.						
PHASE 7: Establish GPS coverage (repeaters) at indoor maintenance facilities to provide uninterrupted GPS location data to yard-locator maps to enable immediate identification of defective trackers. For example, Muni's Flynn Division (for articulated motor coaches) is an indoor facility, with no GPS data available.						
PHASE 8: Install software interface to add surface AVL data to ATCS subway passenger audio and visual information.						
PHASE 9: Implement continuous automated monitoring of data and prediction quality.						
Allocation Instruction No.	Approval Date	Amount	Phase	Reimbursement Year		Cumulative Total To Date
06372202	26-Oct-05	\$ 6,700,000	CON	FY 2005-06	\$	6,700,000
07372203	26-Oct-05	\$ 4,583,000	CON	FY 2006-07	\$	11,283,000
06372202	25-Jun-08	\$ (1,986,400)	CON	FY 2007-08	\$	9,296,600

Allocation No. 2						
Funds reallocated to following phases with Allocation #2:						
PHASE 1: LRV, Historic & Cable Car fleets, Base system - system server and information system (New Phase)						
PHASE 2a: Trolley Bus Fleet (New Phase)						
PHASE 2b: Deploy 400 wayside bus shelter passenger information signs; provide operations and maintenance training; provide 86 mobile computers for transit inspectors; begin acceptance testing. (Rescission)						
PHASE 3: Install and deploy AVL system to all 495 motor coaches, complete acceptance testing. (Rescission)						
PHASE 4: Install Third Street large-format platform signage for the extended K-line (35 signs). (Reallocated)						
PHASE 5: Implement software changes required for direct data pipes (prediction data and schedule data) from Muni's AVL server to the 511 system, and other public agencies. (Reallocated)						
PHASE 6: Implement automated process for incorporating configuration of schedule and route changes into the AVL and prediction servers, so as to automatically generate maps and prediction changes without human intervention. (No change)						
PHASE 7: Establish GPS coverage (repeaters) at indoor maintenance facilities to provide uninterrupted GPS location data to yard-locator maps to enable immediate identification of defective trackers. For example, Muni's Flynn Division (for articulated motor coaches) is an indoor facility, with no GPS data available. (No change)						
PHASE 8: Install software interface to add surface AVL data to ATCS subway passenger audio and visual information. (No change)						
PHASE 9: Implement continuous automated monitoring of data and prediction quality. (No change)						
PHASE 12: Realtime transit information displays at Metro Subway platforms. (New Phase)						
PHASE 13: Realtime transit map and prediction information development for Metro Subway platforms. (New Phase)						
PHASE 14: Develop unique stop ID system for the realtime transit information system and 511 data link. (New Phase)						
Allocation Instruction No.	Approval Date	Amount	Phase	Reimbursement Year		Cumulative Total To Date
08372204	25-Jun-08	\$ 1,986,400	CON	FY 2007-08	\$	11,283,000

Regional Measure 2 Regional Traffic Relief Plan

RM2 Project Number: 19.2

Automatic Vehicle Location (AVL) project.

19.2

Lead Sponsor San Francisco Municipal Railway	Other Sponsors(s) N/A	Implementing Agency (if applicable)
Legislated Project Description Provide a competitive grant program for transit operators for assistance with implementation of high-technology systems to provide real-time transit information to riders at transit stops or via telephone, wireless, or Internet communication. Priority shall be given to projects identified in the Commission's connectivity plan adopted pursuant to subdivision (d) of Section 30914.5. The funds shall be administered by the Metropolitan Transportation Commission.		
RM2 Legislated Funding (in \$1,000) \$11,283 [Component of \$20 million program]	Total Estimated Project Cost (in \$1,000) \$23,026 [Phases 1-14]	
Project Purpose and Description Muni's Real-Time Automatic Vehicle Location (AVL) project involves the implementation of a computer-based vehicle tracking system to disseminate real-time vehicle location information and arrival predictions to transit patrons and operations managers. The current as-built AVL system incorporates the following components and functionalities: automatic vehicle location; web-based passenger information displays; web-based agency management map displays; extensive transit management reports; real-time bus arrival information for passengers; passenger information text messaging capability; wireless communication using standard GPRS public data network; vehicle job assignment data; and scheduling and service line configuration data. The RM2 funding will contribute to Phases 1 - 9 and 12 - 14. Phases 10 and 11 are unfunded at this time.		
Funding Description Committed Funds: \$8.19 million in Prop. B, operating funds, and federal sources. Uncommitted Funds: \$3.5 Million is needed to fund the final three stages of the project. Operating Capacity: Muni will maintain its AVL system and the communication link to MTC's data storage system.		

Overall Project Cost and Schedule

Phase	Scope	Start	End	Cost (in \$1,000)
1	Final Environmental Document	N/A	N/A	\$0
2	Plans, Specifications and Estimates	N/A	02/2005	\$343
3	Right-of-Way	N/A	N/A	\$0
4	Construction	02/2005	11/2008	\$22,683

Total: \$23,026

Total Project Funding Plan: Committed and Uncommitted Sources

(Amounts Escalated in Thousands)

Project Title	Automatic Vehicle Location (AVL) project.					Project No. 19.2				
Lead Sponsor	San Francisco Municipal Railway									

Fund Source	Phase	Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
Committed										
Prop B	CER	51								51
Prop B	Design	282								282
Prop B	Con	2,192								2,192
Fed. Other	Con			907	1,080					1,987
RM-2	Con				514	4,570	6,199			11,283
Section 5309-BAF	Con						1,173	1,329		2,502
Muni Operating Budget	Ops, Warranty	1,129								1,129
										0
										0
Total:		3,654	0	907	1,594	4,570	7,372	1,329	0	19,426
Uncommitted										
Unknown	Construction - Unfunded Future Enhancements								3,600	3,600
										0
Total:		0	0	0	0	0	0	0	3,600	3,600
Total Project Committed and Uncommitted										
		Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
Total:		3,654	0	907	1,594	4,570	7,372	1,329	3,600	23,026

REGIONAL MEASURE 2 PROGRAM Project Cash Flow Plan

Project Title: Automatic Vehicle Location (AVL) project.
Sponsor: San Francisco Municipal Railway
Project Number: 19.2

RM2 Project # 19.2	PRIOR	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	TOTAL
RM2 Funds Total	-	-	-	514,000	4,570,000	6,199,000	-	11,283,000
Environmental (ENV)	0	0	0	0	0	0	0	0
								0
								0
								0
								0
Final Design (PS&E)	333,000	0	0	0	0	0	0	333,000
RM2								0
Prop B	333,000							333,000
								0
								0
Right of Way	0	0	0	0	0	0	0	0
								0
								0
								0
								0
Construction	2,192,000	0	907,000	1,594,000	4,570,000	7,372,000	1,329,000	17,964,000
RM2				514,000	4,570,000	6,199,000		11,283,000
FTA 5309						1,173,000	1,329,000	2,502,000
Prop B	2,192,000							2,192,000
Fed Other			907,000	1,080,000				1,987,000
TOTAL FUNDING								
Environmental	0	0	0	0	0	0	0	0
Final Design (PS&E)	333,000	0	0	0	0	0	0	333,000
Right of Way	0	0	0	0	0	0	0	0
Construction	2,192,000	0	907,000	1,594,000	4,570,000	7,372,000	1,329,000	17,964,000
PROJECT TOTAL	2,525,000	0	907,000	1,594,000	4,570,000	7,372,000	1,329,000	18,297,000

SFMTA Operating Funds	1,129,000
Unfunded Future Enhancements	3,600,000
Overall Project Total	23,026,000