

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subproject 3, I-80/I-680/SR-12 Interchange, originally allocated for \$13.5 million in RM2 funds, and reallocate the rescinded \$5.2 million for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.

Date: January 25, 2006  
W.I.: 1255  
Referred by: PAC

Re: Approval of Allocation of Regional Measure 2 funds for the Solano County Corridor Improvements near Interstate 80/Interstate 680/SR 12 Interchange project

METROPOLITAN TRANSPORTATION COMMISSION  
RESOLUTION No. 3739

WHEREAS, pursuant to Government Code Section 66500 et seq., the Metropolitan Transportation Commission (“MTC”) is the regional transportation planning agency for the San Francisco Bay Area; and

WHEREAS, Streets and Highways Code Sections 30950 *et seq.* created the Bay Area Toll Authority (“BATA”) which is a public instrumentality governed by the same board as that governing MTC; and

WHEREAS, on March 2, 2004, voters approved Regional Measure 2, increasing the toll for all vehicles on the seven state-owned toll bridges in the San Francisco Bay Area by \$1.00, with this extra dollar funding various transportation projects within the region that have been determined to reduce congestion or to make improvements to travel in the toll bridge corridors, as identified in SB 916 (Chapter 715, Statutes of 2004), commonly referred as Regional Measure 2 (“RM2”); and

WHEREAS, RM2 establishes the Regional Traffic Relief Plan and lists specific capital projects and programs and transit operating assistance eligible to receive RM2 funding as identified in Streets and Highways Code Sections 30914(c) & (d); and

WHEREAS, RM2 assigns administrative duties and responsibilities for the implementation of the Regional Traffic Relief Plan to MTC; and

WHEREAS, BATA shall fund the projects of the Regional Traffic Relief Plan by transferring RM2 authorized funds to MTC; and

WHEREAS, MTC adopted policies and procedures for the implementation of the Regional Measure 2 Regional Traffic Relief Plan, which specifies the allocation criteria and project compliance requirements for RM 2 funding (MTC Resolution No. 3636); and

WHEREAS, the Solano Transportation Authority has submitted a request for the allocation of RM 2 funds for the Solano County Corridor Improvements near Interstate 80/Interstate 680 Interchange project; and

WHEREAS, the Solano County Corridor Improvements near Interstate 80/Interstate 680 Interchange is identified as capital project number 7 under RM 2 and is eligible to receive RM 2 funding as identified in Streets and Highways Code Sections 30914(c); and

WHEREAS, Solano Transportation Authority has submitted an Initial Project Report (“IPR”), as required pursuant to Streets and Highway Code Section 30914(e), to MTC for review and approval; and

WHEREAS, Attachment A to this resolution, attached hereto and incorporated herein as though set forth at length, lists the project and phase for which the Solano Transportation Authority is requesting RM2 funding and the reimbursement schedule and amount recommended for allocation by MTC staff; and

WHEREAS, Attachment B to this resolution, attached hereto and incorporated herein as though set forth at length, lists the required project specific conditions which must be met prior to execution of the allocation and any reimbursement of RM2 funds; and

WHEREAS, Attachment C to this resolution, attached hereto and incorporated herein as though set forth at length, includes MTC staff’s review of Solano Transportation Authority’s Initial Project Report (IPR) for this project; and

WHEREAS, Attachment D attached hereto and incorporated herein as though set forth at length, lists the cash flow of RM2 funds and complementary funding for the deliverable/useable RM2 project segment; and

WHEREAS, the claimants to which funds are allocated under this resolution have certified that the projects and purposes listed and recorded in Attachment A are in compliance with the requirements of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.), and with the State Environmental Impact Report Guidelines (14 California Code of Regulations Section 15000 et seq.); now, therefore, be it

RESOLVED, that MTC approves MTC staff's review of Solano Transportation Authority's IPR for this project as set forth in Attachment C; and be it further

RESOLVED, that MTC approves the allocation and reimbursement of RM2 funds in accordance with the amount and reimbursement schedule for the phase, and activities as set forth in Attachment A; and, be it further

RESOLVED, that the allocation and reimbursement of RM2 funds as set forth in Attachment A are conditioned upon the Solano Transportation Authority complying with the provisions of the Regional Measure 2 Regional Traffic Relief Plan Policy and Procedures as set forth in length in MTC Resolution 3636; and be it further

RESOLVED, that the allocation and reimbursement of RM2 funds are further conditioned upon the project specific conditions as set forth in Attachment B; and, be it further

RESOLVED, that the allocation and reimbursement of RM2 funds as set forth in Attachment A are conditioned upon the availability and expenditure of the complementary funding as set forth in Attachment D; and be it further

RESOLVED, that reimbursement of RM2 funds as set forth in Attachment A is subject to the availability of RM2 funding; and be it further

RESOLVED, that a certified copy of this resolution, shall be forwarded to the project sponsor.

METROPOLITAN TRANSPORTATION COMMISSION

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Jon Rubin, Chair

The above resolution was entered into by the Metropolitan Transportation Commission at the regular meeting of the Commission held in Oakland, California, on January 25, 2006.

## REGIONAL MEASURE 2 PROGRAM Allocation of Funds

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

<b>Allocation No. 1</b>						
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

<b>Allocation No. 2</b>						
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 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.		
RM2 Legislated Funding (in \$1,000) Total Overall Funding: \$100,000 <b>7.1 North Connector (\$20,052)</b> 7.2 I-80 HOV Lanes in Solano Co. (\$11,000) 7.3 I-80/I-680/SR-12 Interchange (\$68,948 [split between 7.3 and 7.4]) 7.4 I-80 Eastbound Cordelia Truck Scales Relocation (\$68,948 [split bt 7.3&7.4])		Total Estimated Project Cost (in \$1,000) Total Overall Cost: \$399,960 7.1 North Connector (\$56,664) 7.2 I-80/I-680/SR12 HOV Lanes (\$79,948) 7.3 I-80/I-680/SR-12 Interchange (\$162,248) 7.4 I-80 Eastbound Cordelia Truck Scales Relocation (\$100,900)
Project Purpose and Description 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.		
Funding Description 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.		

### 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)

<b>Project Title</b>	<b>North Connector</b>					<b>Project No. 7.1</b>				
<b>Lead Sponsor</b>	Solano Transportation Authority									

  

Fund Source	Phase	Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
<b>Committed</b>										
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
<b>Total:</b>		0	3,000	2,500	0	13,600	18,900	18,664	0	56,664
<b>Uncommitted</b>										
<b>Total:</b>		0	0	0	0	0	0	0	0	0
<b>Total Project Committed and Uncommitted</b>										
		<b>Prior</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>Future</b>	<b>Total</b>
<b>Total:</b>		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
<b>RM2 Funds Total</b>	-	-	-	1,500,000	10,300,000	-	11,800,000
<b>Environmental (ENV)</b>	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
<b>Final Design (PS&amp;E)</b>	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
<b>Right of Way</b>	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
<b>Construction</b>	0	0	0	0	2,300,000	0	2,300,000
RM2 (Advance CON)					2,300,000		2,300,000
							0
							0
							0
<b>TOTAL FUNDING</b>							
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
<b>PROJECT TOTAL</b>	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.

Date: October 26, 2005  
W.I.: 1255  
Referred by: PAC

Re: Approval of Allocation of Regional Measure 2 funds for the Real-Time Transit Information Program

METROPOLITAN TRANSPORTATION COMMISSION  
RESOLUTION No. 3722

WHEREAS, pursuant to Government Code Section 66500 et seq., the Metropolitan Transportation Commission (“MTC”) is the regional transportation planning agency for the San Francisco Bay Area; and

WHEREAS, Streets and Highways Code Sections 30950 *et seq.* created the Bay Area Toll Authority (“BATA”) which is a public instrumentality governed by the same board as that governing MTC; and

WHEREAS, on March 2, 2004, voters approved Regional Measure 2, increasing the toll for all vehicles on the seven state-owned toll bridges in the San Francisco Bay Area by \$1.00, with this extra dollar funding various transportation projects within the region that have been determined to reduce congestion or to make improvements to travel in the toll bridge corridors, as identified in SB 916 (Chapter 715, Statutes of 2004), commonly referred as Regional Measure 2 (“RM2”); and

WHEREAS, RM2 establishes the Regional Traffic Relief Plan and lists specific capital projects and programs and transit operating assistance eligible to receive RM2 funding as identified in Streets and Highways Code Sections 30914(c) & (d); and

WHEREAS, RM2 assigns administrative duties and responsibilities for the implementation of the Regional Traffic Relief Plan to MTC; and

WHEREAS, BATA shall fund the projects of the Regional Traffic Relief Plan by transferring RM2 authorized funds to MTC; and

WHEREAS, MTC adopted policies and procedures for the implementation of the Regional Measure 2 Regional Traffic Relief Plan, which specifies the allocation criteria and project compliance requirements for RM 2 funding (MTC Resolution No. 3636); and

WHEREAS, the Real-time Transit Information Program, administered by the Metropolitan Transportation Commission, is identified as capital project number 19 under RM 2 and is eligible to receive RM 2 funding as identified in Streets and Highways Code Sections 30914(c); and

WHEREAS, the Metropolitan Transportation Commission has approved a list of funding recipients (project sponsor), respective funding awards, and Real-Time Transit Information Program specific requirements as identified in MTC Resolution No. 3708; and

WHEREAS, each project sponsor will submit an Initial Project Report (“IPR”), as required pursuant to Streets and Highway Code Section 30914(e), to MTC for review and approval for each project allocation request; and

WHEREAS, Attachment A to this resolution, attached hereto and incorporated herein as though set forth at length, lists the project and phase for which the project sponsor is requesting RM2 funding and the reimbursement schedule and amount recommended for allocation by MTC staff; and

WHEREAS, Attachment B to this resolution, attached hereto and incorporated herein as though set forth at length, lists the required project specific conditions which must be met prior to execution of the allocation and any reimbursement of RM2 funds for each project sponsor; and

WHEREAS, Attachment C to this resolution, attached hereto and incorporated herein as though set forth at length, includes MTC staff’s review of each project sponsor’s Initial Project Report (IPR) for this project; and

WHEREAS, Attachment D attached hereto and incorporated herein as though set forth at length, lists the cash flow of RM2 funds and complementary funding for the deliverable/useable RM2 project segment; and

WHEREAS, the claimants to which funds are allocated under this resolution have certified that the projects and purposes listed and recorded in the attachments are in compliance with the requirements of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.), and with the State Environmental Impact Report Guidelines (14 California Code of Regulations Section 15000 et seq.); now, therefore, be it

RESOLVED, that MTC approves MTC staff's review of the requesting project sponsor's IPR for this project as set forth in the Attachment C; and be it further

RESOLVED, that MTC approves the allocation and reimbursement of RM2 funds in accordance with the amount and reimbursement schedule for the phase, and activities as set forth in the Attachment A; and, be it further

RESOLVED, that the allocation and reimbursement of RM2 funds as set forth in Attachment A are conditioned upon the project sponsor complying with the provisions of the Regional Measure 2 Regional Traffic Relief Plan Policy and Procedures as set forth in length in MTC Resolution 3636; and be it further

RESOLVED, that the allocation and reimbursement of RM2 funds are further conditioned upon the project specific conditions as set forth in Attachment B; and, be it further

RESOLVED, that the allocation and reimbursement of RM2 funds as set forth in Attachment A are conditioned upon the availability and expenditure of the complementary funding as set forth in Attachment D; and be it further

RESOLVED, that reimbursement of RM2 funds as set forth in Attachment A is subject to the availability of RM2 funding; and be it further

RESOLVED, that a certified copy of this resolution, shall be forwarded to the project sponsor.

METROPOLITAN TRANSPORTATION COMMISSION

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Jon Rubin, Chair

The above resolution was entered into by the Metropolitan Transportation Commission at the regular meeting of the Commission held in Oakland, California, on October 26, 2005.

**REGIONAL MEASURE 2 PROGRAM  
Allocation of Funds**

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

<b>Allocation No. 1</b>						
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

<b>Allocation No. 2</b>						
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 <b>San Francisco Municipal Railway</b>	Other Sponsors(s) <b>N/A</b>	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) <b>\$11,283 [Component of \$20 million program]</b>		Total Estimated Project Cost (in \$1,000) <b>\$23,026 [Phases 1-14]</b>
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: <b>\$8.19 million in Prop. B, operating funds, and federal sources.</b> Uncommitted Funds: <b>\$3.5 Million</b> 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)
<b>1</b>	Final Environmental Document	N/A	N/A	\$0
<b>2</b>	Plans, Specifications and Estimates	N/A	02/2005	\$343
<b>3</b>	Right-of-Way	N/A	N/A	\$0
<b>4</b>	Construction	02/2005	11/2008	\$22,683

**Total: \$23,026**

## Total Project Funding Plan: Committed and Uncommitted Sources

(Amounts Escalated in Thousands)

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

  

Fund Source	Phase	Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
<b>Committed</b>										
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
<b>Total:</b>		3,654	0	907	1,594	4,570	7,372	1,329	0	19,426
<b>Uncommitted</b>										
Unknown	Construction - Unfunded Future Enhancements								3,600	3,600
										0
<b>Total:</b>		0	0	0	0	0	0	0	3,600	3,600
<b>Total Project Committed and Uncommitted</b>										
		Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
<b>Total:</b>		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
<b>RM2 Funds Total</b>	-	-	-	514,000	4,570,000	6,199,000	-	11,283,000
<b>Environmental (ENV)</b>	0	0	0	0	0	0	0	0
								0
								0
								0
								0
<b>Final Design (PS&amp;E)</b>	333,000	0	0	0	0	0	0	333,000
RM2								0
Prop B	333,000							333,000
								0
								0
<b>Right of Way</b>	0	0	0	0	0	0	0	0
								0
								0
								0
								0
<b>Construction</b>	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
<b>TOTAL FUNDING</b>								
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
<b>PROJECT TOTAL</b>	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
<b>Overall Project Total</b>	<b>23,026,000</b>