

**Metropolitan Transportation Commission
Programming and Allocations Committee**

January 14, 2009

Item Number 5a

Resolution No. 3772, Revised

Subject: Allocation of approximately \$2.5 million in Regional Measure 2 (RM2) capital program funds.

Background: Capital Program:
To date, MTC has allocated \$703 million of the \$1.5 billion RM2 capital program. This month one project is proposed for capital allocation. Below is a summary of the allocation.

SCVTA Real Time Information Project (\$2.5 million): The Santa Clara VTA requests \$2.5 million towards the Final Design and Construction phases of their Real Time Information project. The proposed project will primarily link VTA's existing automated vehicle locator (AVL) equipment with signs installed at transit centers, light rail stations, bus rapid transit stations, and major bus stops to provide real-time transit information for the travelling public.

Issues: N/A

Recommendation: Refer Resolution No. 3722, Revised to the Commission for approval.

Attachments: MTC Resolution No. 3722, Revised

Date: October 26, 2005
W.I.: 1255
Referred by: PAC
Revised: 02/22/06-C 06/25/08-C
09/24/08-C 12/17/08-C
01/28/09-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.

This resolution was revised on September 24, 2008 to extend the funds for the MUNI Automatic Vehicle Location project (19.2) - set to expire in October 2008 - by one year until October 2009.

This resolution was revised on December 17, 2008 to rescind \$125,000 from the Caltrain Real Time Transit Information project. This was part of a programming revision to remove funding for large-format, multi-agency real-time transit information displays at MTC designated regional transit hubs from the Caltrain, Golden Gate Transit and LAVTA grants. These funds were redirected to BART and MTC who will implement these signage improvements as part of MTC's Hub Signage Program instead.

ABSTRACT

MTC Resolution No. 3722, Revised

Page 2

This resolution was revised on January 28, 2009 to allocate \$ 2,530,000 to Santa Clara VTA towards the Final Design and Construction phases of their Real Time Information project.

Additional discussion of this allocation is contained in the memorandum to the MTC Programming and Allocations Committee dated October 12, 2005, and summary pages dated February 8, 2006, June 11, 2008, September 10, 2008, December 10, 2008 and January 14, 2009.

REGIONAL MEASURE 2 PROGRAM Allocation of Funds

Project Title: SCVTA Real Time Information Project
 Sponsor: Metropolitan Transportation Commission
 Project Number: 19.6

Allocation No. 1					
Activities to be funded with Allocation #1:					
1) Develop/Implement GPS-Based AVL system for LRVs to provide real time predictions 2) Onboard tracking & communication devices 3) Electronic Information Signage at Palo Alto Transit Center 4) System Documentation & Training 5) Private LEDVMS units, Regular power, Solar power units					
Allocation Instruction No.	Approval Date	Amount	Phase	Reimbursement Year	Cumulative Total To Date
09372215	28-Jan-09	\$ 2,530,000	PS&E & CON	FY 2008-09	\$ 2,530,000

REGIONAL MEASURE 2 PROGRAM Project Specific Conditions

Project Title: SCVTA Real Time Information Project
Sponsor: Metropolitan Transportation Commission
Project Number: 19.6

The allocation and reimbursement of RM2 funds for the above project are conditioned upon the following :

1. Usable Segments

Provide real-time information for usable segments of the transit system. Usable segments are defined as routes that improve regional or intra-agency connectivity, routes that serve main arterials, express or limited-stop routes, or a subset of vehicle types within an agency (e.g., all light rail vehicles).

2. Performance Standards

Provide performance standards for real-time data accuracy that have been or will be established with the real-time system vendor and are being monitored. MTC reserves the right to require that agencies receiving RM2 funds meet minimum standards for accuracy.

3. Automated Updates of Configuration Data

Provide an efficient, automated way to update real-time system configuration data when changes are made to the scheduling system.

4. Data Sharing

Provide required real-time information to a regional database for dissemination on 511 and 511.org and to other transit operators, if applicable, in an MTC-approved format at no cost, without restriction, and for the duration of the Project. Required real-time information includes but is not limited to predicted arrival times for every stop, a date and time stamp for each prediction, and transit agency configuration data including but not limited to routes, stop ids and direction.

5. Regional Real-time Transit TAC

Grant recipients will be expected to participate in a regional Technical Advisory Committee of transit operators implementing real-time transit information systems.

6. Support MTC's RTIS

Grant recipients must support the Regional Transit Information System (RTIS). MTC will confirm before funding allocation that the requesting agency is actively supporting and efficiently transferring information and data required to successfully and accurately offer to the public the data provided on www.transit.511.org and the 511 TakeTransitSM Trip Planner.

7. Real-time Signage

All regional real-time signage being placed at transit hubs must adhere to the signage standards developed by the RM2 Connectivity Study with assistance from the Real-time Transit Technical Advisory Committee. The Peninsula Corridor JPB's obligation to comply with such standards after construction of their RM2 real-time project shall be negotiated with MTC, factoring in cost impacts to the JPB, after JPB has prepared a migration plan.

8. On-going Operations and Maintenance Costs

The real-time system and the data communications connection to the MTC Data Storage system shall be supported by the project sponsor, at the sponsor's expense, for a minimum of 5 years from the date of final acceptance.

9. Final Acceptance Testing

Transit agencies will allow MTC's technical advisor to participate in their final acceptance testing at no cost to the project.

10. Expiration of Project Funds

All project funds must be expended within three years of the allocation of funds to the grant recipient. If any funds remain after the three-year grant period, MTC will have the authority to either extend the grant period to complete the project or reallocate unspent funds to another project.

11. Cost Overruns

The grant recipient will be responsible for cost increases beyond the amount awarded in the initial grant.

12. Non-511 Phone Systems

MTC plans to provide real-time transit arrival/departure predictions on its 511 phone system. Consequently, no RM2 grant funds can be used to build or expand a separate real-time transit information phone system.

13. Overhead Rate Restrictions

For the real-time transit projects, an overhead rate (as defined in RM2 policies and procedures) is not an eligible expense and sponsors/implementing agencies will not be reimbursed for any overhead rate costs.

14 VTA Board Approval

The January 28, 2009 allocation is conditioned upon the VTA Board approving the IPR for this allocation request.

RM2 Project Number: 19.6

SCVTA Real Time Information Project

Lead Sponsor MTC	Other Sponsors(s) Santa Clara Valley Transportation Authority	Implementing Agency (if applicable) Santa Clara Valley Transportation Authority
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) \$2,530 [Component of \$20 million program]		Total Estimated Project Cost (in \$1,000) \$6,041
Project Purpose and Description The project will provide for the dissemination of real time transit arrival information to the general public via the 511 telephone system, 511.org website, transit stop signage, and other dissemination mechanisms for the travelling public throughout Santa Clara County. Specifically, the proposed project would link VTA's existing AVL equipment with signs installed at transit centers, light rail stations, BRT stations, and major bus stops to provide real-time transit information for the travelling public. The real time information would also be provided to passengers through various means including but not limited to, the internet, vta.net, pdas and cellular phones. The real time prediction information along with configuration data would also be fed to MTC for dissemination via the 511 telephone system, the 511.org website, any applicable regional real-time signs and to share between agencies. Funding Description Committed Funds: The project is fully funded. Apart from the funds from RM2, this project has contributions from FTA, FHWA & VTA local funds. Uncommitted Funds: None. Operating Capacity: VTA will operate and maintain the 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	03/2009	05/2010	\$1,572
3	Right-of-Way	N/A	N/A	\$0
4	Construction	03/2009	05/2010	\$4,469
Total:				\$6,041

Total Project Funding Plan: Committed and Uncommitted Sources

(Amounts Escalated in Thousands)

Project Title	SVCTA Real Time Transit Information Project					Project No. 19.6				
Lead Sponsor	Metropolitan Transportation Commission									

Fund Source	Phase	Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
Committed										
RM2	PS&E, CON						2,530			2,530
FHWA	PS&E						1,572			1,572
FTA	CON						780			780
VTA Match	PS&E, CON						1,159			1,159
										0
Total:		0	0	0	0	0	6,041	0	0	6,041
Uncommitted										
										0
										0
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	0	0	0	0	6,041	0	0	6,041

REGIONAL MEASURE 2 PROGRAM Project Cash Flow Plan

January 28, 2009
Attachment D-6
MTC Resolution No. 3722
Page 6 of 6

Project Title: SCVTA Real Time Information Project
Sponsor: Metropolitan Transportation Commission
Project Number: 19.6

	PRIOR	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	TOTAL
RM2 Funds Total	-	-				2,530,000	-	2,530,000
Environmental (ENV)	0	0	0	0	0	0	0	0
								0
								0
								0
								0
Final Design (PS&E)	0	0			0	2,229,800	0	2,229,800
RM2						657,800		657,800
FHWA						1,572,000		1,572,000
								0
								0
Right of Way	0	0	0	0	0	0	0	0
								0
								0
								0
								0
Construction	0	0	0			3,811,200	0	3,811,200
RM2						1,872,200		1,872,200
FTA						780,000		780,000
VTA Match						1,159,000		1,159,000
								0
TOTAL FUNDING								
Environmental	0	0	0	0	0	0	0	0
Final Design (PS&E)	0	0	0	0	0	2,229,800	0	2,229,800
Right of Way	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	3,811,200	0	3,811,200
PROJECT TOTAL	0	0	0	0	0	6,041,000	0	6,041,000