

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 07/22/09-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

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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.

This resolution was revised on July 22, 2009 to add additional scope to the Hastus Scheduling Software Upgrade and Real Time Signage project and make scope changes to the Caltrain Real Time Transit 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, January 14, 2009 and July 8, 2009.

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

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: Caltrain Real-Time Transit Information Project
Sponsor: Peninsula Corridor Joint Powers Board
Project Number: 19.5

Allocation No. 1						
Activities to be funded with Allocation #1:						
<ol style="list-style-type: none"> 1. Expansion of Advanced Communication System (ACS). ACS will be installed on each train consist. 2. Computer-aided dispatching (CAD) workstations to track and monitor the PADS information system will be acquired and installed at the Caltrain central control dispatch operations facility and the JPB administrative office. 3. Provide Caltrain real-time information to MTC's 511 system and to all existing Caltrain LED signs at all station platforms. 4. Provide SamTrans real-time information to MTC's 511 system for all SamTrans buses and bus stops. 5. Provide Bus bay signs at SamTrans stops at Daly City BART, Colma BART, Redwood City Caltrain, and Top of the Hill, Daly City bus shelter 6. Provide SamTrans real-time information to Santa Clara VTA for display on bus bay signs that VTA will install at the Palo Alto Caltrain station. 7. Refurbish thirteen bus bay signs at the Millbrae Multimodal Station 8. Preparation of a Systems Engineering Management Plan (SEMP) 						
Allocation Instruction No.	Approval Date	Amount	Phase	Reimbursement Year	Cumulative Total To Date	
06372209	22-Feb-06	\$ 250,000	PSE	FY 2005-06	\$ 250,000	
07372210	22-Feb-06	\$ 39,000	PSE	FY 2006-07	\$ 289,000	
07372211	22-Feb-06	\$ 1,665,000	CON	FY 2006-07	\$ 1,954,000	
08372212	22-Feb-06	\$ 740,000	CON	FY 2007-08	\$ 2,694,000	
07372211	17-Dec-08	\$ (125,000)	CON	FY 2008-09	\$ 2,569,000	

REGIONAL MEASURE 2 PROGRAM Project Specific Conditions

Project Title: Caltrain Real-Time Transit Information Project
Sponsor: Peninsula Corridor Joint Powers Board
Project Number: 19.5

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.

RM2 Project Number: 19.5

Caltrain Real Time Transit Information Project

Lead Sponsor MTC	Other Sponsors(s) Penninsula Corridor Joint Powers Board	Implementing Agency (if applicable) Penninsula Corridor Joint Powers Board
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) \$2,694 [Component of \$20 million program]		Total Estimated Project Cost (in \$1,000) \$3,631
Project Purpose and Description The project will provide for the expansion of the existing SamTrans advanced communication system (ACS) to all Caltrain consists. The project will also expand the predictive arrival departure system (PADS) to provide real-time transit information to the public for all Caltrain train consists and connecting SamTrans buses at 9 major Caltrain stations and for connecting SamTrans buses at the Daly City and Colma BART stations. Each of the selected stations will have at least one kiosk with visual message signs at the platforms. Pole-mounted display signs will be located at each SamTrans bus bay. In addition arrival/departure predictions will be shared with MTC and the 511 Traveler Information System for all train and bus stops included in PADS.		
Funding Description Committed Funds: The project is fully funded. The majority of the funds come from RM2, with contributions from a federal earmark and JPB Agency funds. Uncommitted Funds: None. Operating Capacity: JPB's Operations Division 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	03/2006	01/2007	\$525
3	Right-of-Way	N/A	N/A	\$0
4	Construction	10/2005	12/2006	\$2,981
Total:				\$3,506

Total Project Funding Plan: Committed and Uncommitted Sources

(Amounts Escalated in Thousands)

Project Title	Caltrain Real Time Transit Information Project					Project No. 19.5				
Lead Sponsor	Penninsula Corridor Joint Powers Board									

Fund Source	Phase	Prior	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Future	Total
Committed										
RM-2	PS&E			250	139					389
RM-2	Construction				1,565	615				2,180
Federal Earmark (2003 TCSP)	PS&E			66	39					105
Federal (2003 TCSP & STP)	Construction				417	199				616
JPB Member Agency Fund	PS&E			19	12					31
JPB Member Agency Fund	Construction				126	59				185
										0
Total:		0	0	335	2,298	873	0	0	0	3,506
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	335	2,298	873	0	0	0	3,506

REGIONAL MEASURE 2 PROGRAM Project Cash Flow Plan

Project Title: Caltrain Real-Time Transit Information Project
Sponsor: Peninsula Corridor Joint Powers Board
Project Number: 19.5

	PRIOR	FY 2004-05	FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	TOTAL
RM2 Funds Total	-	-	250,000	1,704,000	740,000	(125,000)	-	2,569,000
Environmental (ENV)	0	0	0	0	0	0	0	0
								0
								0
								0
								0
Final Design (PS&E)	0	0	335,000	190,000	0	0	0	525,000
RM2			250,000	139,000				389,000
Federal Earmark*			66,000	39,000				105,000
JPB Member Agency Fund			19,000	12,000				31,000
								0
Right of Way	0	0	0	0	0	0	0	0
								0
								0
								0
								0
Construction	0	0	0	2,108,000	998,000	-125,000	0	2,981,000
RM2				1,565,000	740,000	-125,000		2,180,000
Federal Earmark*				417,000	199,000			616,000
JPB Member Agency Fund				126,000	59,000			185,000
								0
TOTAL FUNDING								
Environmental	0	0	0	0	0	0	0	0
Final Design (PS&E)	0	0	335,000	190,000	0	0	0	525,000
Right of Way	0	0	0	0	0	0	0	0
Construction	0	0	0	2,108,000	998,000	-125,000	0	2,981,000
PROJECT TOTAL	0	0	335,000	2,298,000	998,000	-125,000	0	3,506,000

* Federal Earmarks include \$250,000 in a 2003 TCSP grant (CA-26-0026) and \$471,154 in a 2004 Section 115-STP funds (CA-15-x-002)