

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
09/23/09-DA 10/28/09-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

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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.

This resolution was revised on September 23, 2009 to extend the time frame for the Real-Time RM2 project funds for the MUNI Automatic Vehicle Location project, AC Transit Hastus Scheduling Software Upgrade and Real-Time Signage project, and the WestCAT Technology Implementation and Signage project.

This resolution was revised on October 28, 2009 to allocate \$1,655,000 to the Golden Gate Bridge, Highway, and Transportation District towards the preliminary design and final design phases of the Advanced Communications and Information System 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, July 8, 2009 and October 14, 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

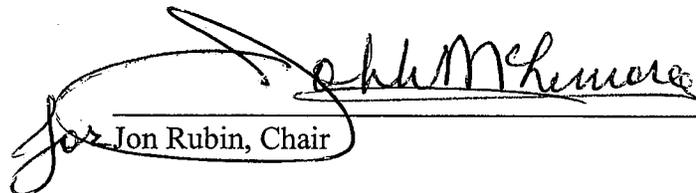
RESOLVED, that the allocation and reimbursement of RM2 funds are further conditioned upon the project specific conditions as set forth in Attachment B; and, be it further

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: Advanced Communications & Information System (ACIS)
Sponsor: Metropolitan Transportation Commission
Project Number: 19.7

Allocation No. 1						
Activities to be funded with Allocation #1:						
The RM2 funds will be used towards the preliminary and final design phases of the Advanced Communications & Information System project.						
Allocation Instruction No.	Approval Date	Amount	Phase	Reimbursement Year	Cumulative Total To Date	
10372216	28-Oct-09	\$ 1,655,000	PS&E	FY 2009-10	\$	1,655,000

REGIONAL MEASURE 2 PROGRAM Project Specific Conditions

Project Title: Advanced Communications & Information System (ACIS)
Sponsor: Metropolitan Transportation Commission
Project Number: 19.7

The allocation and reimbursement of RM2 funds for the above project are as follows:

1. Usable Segments

Provide real-time information for usable segments of the transit system. Usable segments include routes that improve regional or intra-agency connectivity, routes that serve major transit corridors, limited-stop routes, or a subset of vehicle types within an agency (e.g., all light rail).

2. Performance Standards

Provide performance standards for real-time data accuracy that have been or will be established by the real-time system vendor and are being monitored. MTC reserves the right to require that 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 made to the scheduling system.

4. Data Sharing

Provide required real-time information to a regional database for dissemination to other transit operators, if applicable, in an MTC-approved format at no cost to the duration of the Project. Required real-time information includes but is not limited to: arrival and departure times for every stop, a date and time stamp for each prediction, and transit agency name 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 (TAC) of transit operators implementing real-time transit information systems.

6. Support MTC's RTIS

Grant recipients must support the Regional Transit Information System (RTIS) funding allocation that the requesting agency is actively supporting and efficient. Data and information required to successfully and accurately offer to the public the data published 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 developed by the RM2 Connectivity Study with assistance from the Real-time Committee. The Peninsula Corridor JPB's obligation to comply with such standards for their RM2 real-time project shall be negotiated with MTC, factoring in cost impacts. The contractor has prepared a migration plan. *In the case of the Embarcadero/Ferry Terminal, \$50,000 of Golden Gate Transit's (GGT's) RM2 Real-Time Transit Grant if GGT engineer, procure and install at least one LCD display inside the ferry building location.*

8. On-going Operations and Maintenance Costs

The real-time system and the data communications connection to the MTC Database shall be supported by the project sponsor, at the sponsor's expense, for a minimum of 10 years after 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. If any funds remain after the three-year grant period, MTC will have the authority for a 12-month 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 of the grant.

12. Non-511 Phone Systems

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

13. Overhead Rate Restrictions

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

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Transit Technical Advisory
standards after construction of
contracts to the JPB, after JPB
at hub, MTC will rescind
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at a mutually agreeable

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of 5 years from the date of

acceptance testing at no

to the grant recipient. If
to either extend the grant

awarded in the initial grant.

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for any overhead rate

RM2 Project Number: 19.7

Advanced Communications & Information System

Lead Sponsor	Other Sponsors(s)	Implementing Agency (if applicable)	
MTC	GGBH&TD	GGBH&TD	
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)		Total Estimated Project Cost (in \$1,000)	
\$1,655 [Component of \$20 million program]		\$19,377	
Project Purpose and Description			
This project replaces the existing and obsolete radio system used by both bus and ferry operating divisions with a new Intelligent Transportation System called the Advanced Communications & Information System (ACIS). The ACIS will allow the District to gather detailed scheduling and performance data needed to distribute real-time passenger information via the 511 systems, including the 511 phone system and 511.org web sites, as well as at selected bus stops and regional transportation hubs. In addition to benefits associated with replacement of the old communications system, some of the benefits the district can expect from the ACIS are: 1) reduction in operational costs associated with maintenance of obsolete communication systems, 2) enhanced interoperability capabilities between operating divisions as well as with external public safety entities, 3) improved on-time tracking and performance of bus services, 4) improved service monitoring that provides more efficient use of the bus fleet, 5) improved customer satisfaction by deployment of real-time predictions via 511 systems (including the 511 phone system and 511.org web sites; and a minimum of six LCD and 30 LED passenger information displays.			
Funding Description			
Committed Funds: The project is fully funded. In addition to the funds from RM2, this project has contributions from FTA, Homeland Security & District local funds.			
Uncommitted Funds: None.			
Operating Capacity: GGBH&TD will operate and maintain the system.			
Overall Project Cost and Schedule			
Phase	Scope	End	Cost (in \$1,000)
1	Final Environmental Document	N/A	\$1,713
2	Plans, Specifications and Estimates	05/2010	\$5,024
3	Right-of-Way	N/A	\$0
4	Construction	05/2010	\$12,640
Total:			\$19,377

Total Project Funding Plan: Committed and Uncommitted Sources

Project Title	Advanced Communications and Real Time System									
Lead Sponsor	Metropolitan Transportation Commission									
Project No.	19.7									
Fund Source	Phase	Prior	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	Future	Total
Committed										
RM2	PS&E					1,655,000				1,655,000
District	PS&E			14,747	9,138	108,083				131,968
Homeland Security	PS&E			67,700	41,953	496,190	196,644			802,487
FTA	CON			326,873	202,560	2,395,727	12,549,240			15,474,400
										0
Total:		0	0	409,320	253,651	4,655,000	12,745,884	0	0	18,063,855
Uncommitted										
District	CON						511,157			511,157
Homeland Security	CON						802,488			802,488
Total:		0	0	0	0	0	1,313,645	0	0	1,313,645
Total Project Committed and Uncommitted										
		Prior	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	Future	Total
Total:		0	0	409,320	253,651	4,655,000	14,059,529	0	0	19,377,500

**REGIONAL MEASURE 2 PROGRAM
Project Cash Flow Plan**

Project Title: Advanced Communications & Information System (ACIS)
Sponsor: Metropolitan Transportation Commission
Project Number: 19.7

	PRIOR	FY 2006-07	FY 2007-08	FY 2008-09	FY 2009-10	FY 2010-11	FY 2010-11	FY 2011-12	TOTAL
RM2 Funds Total	-			-	1,655,000	-			1,655,000
Environmental (ENV)	0	0	0	0	0	0	0	0	0
									0
									0
									0
									0
Final Design (PS&E)	0		82,447	51,091	2,259,273	196,644	196,644	0	2,589,455
RM2					1,655,000				1,655,000
District			14,747	9,138	108,083				131,968
Homeland Security			67,700	41,953	496,190	196,644	196,644		802,487
									0
Right of Way	0	0	0	0	0	0	0	0	0
									0
									0
									0
									0
Construction	0		326,873	202,560	2,395,727	12,549,240	12,549,240	0	15,474,400
FTA			326,873	202,560	2,395,727	12,549,240	12,549,240		15,474,400
									0
									0
TOTAL FUNDING									
Environmental	0	0	0	0	0	0	0	0	0
Final Design (PS&E)	0	0	82,447	51,091	2,259,273	196,644	196,644	0	2,786,099
Right of Way	0	0	0	0	0	0	0	0	0
Construction	0	0	326,873	202,560	2,395,727	12,549,240	12,549,240	0	15,474,400
PROJECT TOTAL	0	0	409,320	253,651	4,655,000	12,745,884	12,745,884		18,260,499