

**GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT**

**RESOLUTION NO. 2012-090**

**AUTHORIZE THE FILING OF AN APPLICATION WITH THE  
METROPOLITAN TRANSPORTATION COMMISSION  
TO REALLOCATE REGIONAL MEASURE 2 FUNDS  
TO SUPPORT DESIGN AND CONSTRUCTION OF THE  
ADVANCED COMMUNICATION AND INFORMATION SYSTEM PROJECT**

November 16, 2012

**WHEREAS**, SB 916 (Chapter 715, Statutes 2004), commonly referred to as Regional Measure 2 (RM2), identified projects eligible to receive funding under the Regional Traffic Relief Plan; and,

**WHEREAS**, the Metropolitan Transportation Commission (MTC) is responsible for funding projects eligible for RM2 funds, pursuant to Streets and Highways Code Section 30914; and,

**WHEREAS**, the MTC has established a process whereby eligible transportation project sponsors may submit allocation requests for RM2 funding; and,

**WHEREAS**, allocations to the MTC must be submitted consistent with procedures and conditions as outlined in RM2 Policy and Procedures; and,

**WHEREAS**, the Golden Gate Bridge, Highway and Transportation District (GGBHTD) is an eligible sponsor of transportation project(s) in RM2, Regional Traffic Relief Plan funds; and,

**WHEREAS**, Advanced Communication and Information System project is eligible for consideration in the Regional Traffic Relief Plan of RM2, as identified in California Streets and Highways Code Section 30914(c); and,

**WHEREAS**, the RM2 reallocation request, attached hereto in the Initial Project Report and incorporated herein as though set forth at length, lists the project, purpose, schedule, budget, expenditure and cash flow plan for which the GGBHTD is requesting that the MTC reallocate RM2 funds; now, therefore, be it

**RESOLVED** that the GGBHTD, and its agents shall comply with the provisions of the MTC's RM2 Policy Guidance (MTC Resolution No. 3636); and, be it further

**RESOLVED** that the GGBHTD certifies that the project is consistent with the Regional Transportation Plan (RTP); and, be it further

**RESOLVED** that the year of funding for any design, right-of-way and/or construction phases has taken into consideration the time necessary to obtain environmental clearance and permitting approval for the project; and, be it further

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**RESOLVED** that the RM2 phase or segment is fully funded, and results in an operable and useable segment; and, be it further

**RESOLVED** that the GGBHTD approves the updated Initial Project Report, attached hereto to this resolution; and, be it further

**RESOLVED** that the GGBHTD approves the certifications and assurances, attached hereto to this resolution; and, be it further

**RESOLVED** that the GGBHTD approves the cash flow plan, attached hereto to this resolution; and, be it further

**RESOLVED** that the GGBHTD has reviewed the project needs and has adequate staffing resources to deliver and complete the project within the schedule set forth in the updated Initial Project Report, attached hereto to this resolution; and, be it further

**RESOLVED** that the GGBHTD is an eligible sponsor of projects in the RM2 Regional Traffic Relief Plan in accordance with California Streets and Highways Code §30914(c); and, be it further

**RESOLVED** that the GGBHTD is authorized to submit an application for RM2 funds for the Advanced Communication and Information System capital project in accordance with California Streets and Highways Code 30914(c); and, be it further

**RESOLVED** that GGBHTD certifies that the projects and purposes for which RM2 funds are being requested is in compliance with the requirements of the California Environmental Quality Act (Public Resources Code §2100 et seq.), and with the State Environmental Impact Report Guidelines (14 California Code of Regulations §1500 et seq.) and if relevant the National Environmental Policy Act (NEPA), 42 USC § 4-1 et seq.) and the applicable regulations thereunder; and, be it further

**RESOLVED** that there is no legal impediment to GGBHTD making allocation requests for RM2 funds; and be it further

**RESOLVED** that there is no pending or threatened litigation which might in any way adversely affect the proposed project, or the ability of GGBHTD to deliver such project; and, be it further

**RESOLVED** that the GGBHTD indemnifies and holds harmless the TC, its Commissioners, representatives, agents, and employees from and against all claims, injury, suits, demands, liability, losses, damages, and expenses, whether direct or indirect (including any and all costs and expenses in connection therewith), incurred by reason of any act or failure to act of GGBHTD, its officers, employees or agents, or subcontractors or any of them in connection with its performance of services under this allocation of RM2 funds. In addition to any other remedy authorized by law, so much of the funding due under this allocation of RM2 funds as shall reasonably be considered necessary by the MTC may be retained until disposition has been made of any claim for damages; and, be it further



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**RESOLVED** that the GGBHTD shall, if any revenues or profits from any non-governmental use of property (or project) are collected, that those revenues or profits shall be used exclusively for the public transportation services for which the project was initially approved, either for capital improvements or maintenance and operational costs, otherwise the MTC is entitled to a proportionate share equal to the MTC's percentage participation in the projects(s); and, be it further

**RESOLVED** that assets purchased with RM2 funds including facilities and equipment shall be used for the public transportation uses intended, and should said facilities and equipment cease to be operated or maintained for their intended public transportation purposes for its useful life, that MTC shall be entitled to a present day value refund or credit (at the MTC's option) based on MTC's share of the Fair Market Value of the said facilities and equipment at the time the public transportation uses ceased, which shall be paid back to the MTC in the same proportion that RM2 funds were originally used; and, be it further

**RESOLVED** that the GGBHTD shall post on both ends of the construction site(s) at least two signs visible to the public stating that the Project is funded with RM2 toll revenues; and, be it further

**RESOLVED** that the GGBHTD authorizes its General Manager, or his designee to execute and submit an allocation request for the environmental/design/construction phases with the MTC for Regional Measure 2 funds in the amount \$1,605,000 for the project, purpose and amounts included in the project application attached hereto to this resolution; and, be it further

**RESOLVED** that a copy of this resolution shall be transmitted to the MTC in conjunction with the filing of the GGBHTD's application referenced herein.

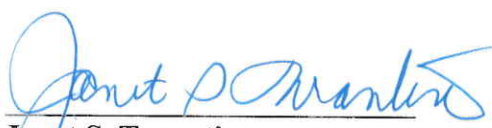
**ADOPTED** this 16<sup>th</sup> day of November 2012, by the following vote of the Board of Directors:

**AYES (15):** Directors Arnold, Chu, Cochran, Elsbernd, Fredericks, Moylan, Pahre, Rabbitt, Renée, Snyder, Sobel and Stroeh; Second Vice President Grosboll; First Vice President Eddie; President Reilly

**NOES (0):** None

**ABSENT (4):** Directors Campos, Mar, Sears and Theriault

  
\_\_\_\_\_  
**Janet Reilly**  
**President, Board of Directors**

**ATTEST:**   
**Janet S. Tarantino**  
**Secretary of the District**

Attachment: RM2 Initial Project Report

Regional Measure 2 – INITIAL PROJECT REPORT

**Regional Measure 2  
Initial Project Report (IPR)  
(Amendment)**

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**Project Title:**

Advanced Communications & Information System (ACIS)

**RM2 Project No.**

19.0 Real Time Transit Information

**Allocation History:**

	<b>MTC Approval Date</b>	<b>Amount</b>	<b>Phase</b>
<b>#1:</b>			
<b>#2</b>			
<b>#3</b>			

**Total:     \$**

**Current Allocation Request:**

<b>IPR Revision Date</b>	<b>Amount Being Requested</b>	<b>Phase Requested</b>
10/25/2012	-\$1,605,000 (Rescission)	Preliminary Engineering/Design
10/25/2012 10/25/2012	+\$655,000 +\$950,000 (Reallocation)	Preliminary Engineering/Design Construction



## Regional Measure 2 – INITIAL PROJECT REPORT

### I. OVERALL PROJECT INFORMATION

#### A. Project Sponsor / Co-sponsor(s) / Implementing Agency

Golden Gate Bridge, Highway & Transportation District

#### B. Project Purpose

To replace 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 511 as well as at selected bus stops and regional transportation hubs.

#### C. Project Description (please provide details)

Project Graphics to be sent electronically with This Application

The ACIS consists of a District-wide radio communications system; automatic vehicle location; new mobile data terminals installed on the transit fleet; new computer-aided bus dispatch systems; real-time information systems for customers; new software for planning, scheduling, and customer services; and integration of all new services with the existing systems and information network infrastructure within the District.

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 schedule information via 511 systems (including the 511 phone system and the 511.org web sites) resulting in improved real-time predictions that will benefit the system; and passenger information displays at thirty (30) bus stops, the San Francisco and Larkspur ferry terminals, and the San Rafael Transit Hub and 6) reduced staff costs associated with utilizing automated monitoring systems instead of manual bus service checks.

The ACIS will conform to the MTC Functional Requirements for Regional Real-Time Transit Hub Signs. The interface to Destination signs will be provided by the District WAN/LAN network with connectivity to the IP cloud for interface to the 511 system.

## Regional Measure 2 – INITIAL PROJECT REPORT

### **D. Impediments to Project Completion**

In order to deploy the Real-Time Passenger Information Display at the San Francisco Ferry Building, a significant effort is required to secure the right of way space with the building manager, as well as determine if electrical and network infrastructure is available. Several contingency locations are being planned in the event the preferred location is not successful.

In order to deploy the Real-Time Passenger Information Display at the San Rafael Transit Hub, a significant upgrade is required to the underground electrical utilities. Several contingency locations are being planned in the event these infrastructure upgrades are not feasible based on future rail growth plans for this location.

### **E. Operability**

The ACIS, including all sub-systems will be maintained by existing District staff resources in cooperation with vendor provided service and support.

## **II. PROJECT PHASE DESCRIPTION and STATUS**

### **F. Environmental –**

Does NEPA Apply:  Yes  No

No environmental approvals are necessary for completion of this project

### **G. Design –**

Conceptual designs were completed by Booz Allen Hamilton in January of 2008. Preliminary Design activities were completed August 19, 2009. Final Design Review was completed in early 2011.

### **H. Right-of-Way Activities / Acquisition –**

Leasing activities related to the San Francisco Ferry Terminal commenced following completion of the Preliminary Design Review in August 2009.

### **I. Construction / Vehicle Acquisition -**

Construction activities began in conjunction with design in the 1<sup>st</sup> quarter 2011.

RM2 funds are dedicated toward funding a portion of the automatic vehicle location sub-system implementation on board the bus and ferry fleets, as well as funding the design and installation of real time passenger displays throughout the District service area, as well as integration of all real time departure information to the 511 system.

LCD Regional Hub Signage will be deployed as follows: San Francisco Ferry Terminal, San Rafael Transit Center, Larkspur Ferry Terminal, and Golden Gate Bridge Toll Plaza.



**Regional Measure 2 – INITIAL PROJECT REPORT**

Thirty (30) Bus Shelters will receive single line LED passenger information signage to display real time schedule information.

**III. PROJECT BUDGET**

**J. Project Budget (Escalated to year of expenditure)**

<b>Phase</b>	<b>Total Amount - Escalated - (Thousands)</b>
Environmental Studies & Preliminary Eng (ENV / PE / PA&ED)	
Design - Plans, Specifications and Estimates (PS&E)	3,066,813
Right-of-Way Activities /Acquisition (R/W)	
Construction / Rolling Stock Acquisition (CON)	16,276,187
Total Project Budget (in thousands)	19,343,000

**K. Project Budget (De-escalated to current year)**

<b>Phase</b>	<b>Total Amount - De-escalated - (Thousands)</b>
Environmental Studies & Preliminary Eng (ENV / PE / PA&ED)	
Design - Plans, Specifications and Estimates (PS&E)	
Right-of-Way Activities /Acquisition (R/W)	
Construction / Rolling Stock Acquisition (CON)	
Total Project Budget (in thousands)	

**Regional Measure 2 – INITIAL PROJECT REPORT**

**IV. OVERALL PROJECT SCHEDULE**

Phase-Milestone	Planned (Update as needed)	
	Start Date	Completion Date
Environmental Document	N/A	N/A
Environmental Studies, Preliminary Eng. (ENV / PE / PA&ED)	1/2008	8/2009
Final Design - Plans, Specs. & Estimates (PS&E)	8/2009	11/2009
Right-of-Way Activities /Acquisition (R/W)	N/A	N/A
Construction (Begin – Open for Use) / Acquisition / Operating Service (CON)	1/2010	1/2011

**V. ALLOCATION REQUEST INFORMATION**

**L. Detailed Description of Allocation Request**

The Allocation Request is to reallocate Preliminary Engineering/Design funds in the amount of \$950,000 to Construction associated with the Real Time Passenger Information Displays. Currently, \$1,605,000 is allocated to Preliminary Engineering and Design.

Amount being requested (in escalated dollars)	\$950,000
Project Phase being requested	Construction
Are there other fund sources involved in this phase?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of anticipated Implementing Agency Board approval the RM2 IPR Resolution for the allocation being requested	November 16, 2012
Month/year being requested for MTC Commission approval of allocation	N/A

**M. Status of Previous Allocations (if any)**

**N. Workplan**

Workplan in Alternate Format Enclosed



**Regional Measure 2 – INITIAL PROJECT REPORT**

<b>TASK NO</b>	<b>Description</b>	<b>Deliverables</b>	<b>Completion Date</b>
<b>1</b>	<b>Needs Analysis</b>	<b>Needs Analysis Report</b>	<b>3/2007</b>
<b>2</b>	<b>Technical Specification</b>	<b>Technical Specification Report</b>	<b>1/2008</b>
<b>3</b>	<b>Preliminary Design</b>	<b>35% Preliminary Design Document</b>	<b>8/2009</b>
<b>4</b>	<b>Final Design</b>	<b>95% Final Design Document</b>	<b>11/2009</b>
<b>5</b>	<b>Factory Acceptance</b>	<b>Successfully Executed Test Plan Report</b>	<b>6/2010</b>
<b>6</b>	<b>Procurement and Construction Oversight</b>	<b>Deployment on board transit fleet, network infrastructure locations, and real time passenger information locations</b>	<b>1/2011</b>
<b>7</b>	<b>Final Acceptance</b>	<b>Successful completion of 30 day availability testing</b>	<b>2/2011</b>

**O. Impediments to Allocation Implementation**

No impediments exist at this time.

**VI. RM-2 FUNDING INFORMATION**

**P. RM-2 Funding Expenditures for funds being allocated**

**The companion Microsoft Excel Project Funding Spreadsheet to this IPR is included**

**Next Anticipated RM-2 Funding Allocation Request**

**VII. GOVERNING BOARD ACTION**

**Check the box that applies:**

**Governing Board Resolution attached**

**Governing Board Resolution to be provided on or before: December 31, 2012**

## Regional Measure 2 – INITIAL PROJECT REPORT

### VIII. CONTACT / PREPARATION INFORMATION

#### **Contact for Applicant's Agency**

Name: Gayle S. Prior  
Phone: (415) 923-2373  
Title: Capital and Grant Programs Manager  
E-mail: gprior@goldengate.org  
Address: Golden Gate Bridge, Highway and Transportation District  
P.O. Box 9000, Presidio Station  
San Francisco, CA 94129-0601

#### **Information on Person Preparing IPR**

Name: Andrea Phillips  
Phone: (415) 923-2327  
Title: Principal Capital and Grant Programs Analyst  
E-mail: aphillips@goldengate.org  
Address: Golden Gate Bridge, Highway and Transportation District  
P.O. Box 9000, Presidio Station  
San Francisco, CA 94129-0601

#### **Applicant Agency's Accounting Contact**

Name: Stefany Toll  
Phone: (415) 923-2207  
Title: Accounting Supervisor  
E-mail: stoll@goldengate.org  
Address: Golden Gate Bridge, Highway and Transportation District  
P.O. Box 9000, Presidio Station  
San Francisco, CA 94129-0601

Revised IPR 120905.doc



## Regional Measure 2 Program Estimated Budget Plan

Please complete this form based the proposed allocation for your project. The scope should be consistent with the funding you are requesting the MTC allocate. Projects with complementary fund sources, should list the estimated cost of the entire work scope. Note that this information may not only represent the RM2 funding. A separate EBP needs to be completed for each allocation request or each phase of such request.

<b>TITLE OF PROJECT</b> Advanced Communications and Information Systems (ACIS)	<b>RM2 Legislation ID</b> (and project subelements if any) 19.0
<b>NAME AND ADDRESS OF IMPLEMENTING AGENCY</b> Golden Gate Bridge, Highway and Transportation District P.O. Box 9000, Presidio Station San Francisco, CA 94129-0601	

DETAIL DESCRIPTION	ESTIMATED HOURS	RATE/HOUR	TOTAL ESTIMATED COST (Dollars)
<b>1. DIRECT LABOR of Implementing Agency (Specify by task)</b>			
Project Oversight	8,510	52.00	442,520
			0
			0
			0
<b>TOTAL DIRECT LABOR</b>			<b>442,520</b>
<b>2. DIRECT BENEFITS (Specify)</b>			
	<b>Benefit Rate</b>	<b>X BASE</b>	
Fringe Benefits	54%	431,444	
<b>TOTAL BENEFIT</b>			<b>232,980</b>
<b>3. DIRECT CAPITAL COSTS (include construction, right-of-way, or vehicle acquisition)</b>			
	<b>Unit (if applicable)</b>	<b>Cost per Unit (\$)</b>	
Contract 2008-MD-1			15,420,687
Sales/ Use Tax			535,500
Microwave Upgrade			320,000
<b>TOTAL DIRECT CAPITAL COSTS</b>			<b>16,276,187</b>
<b>4. CONSULTANTS (Identify purpose and or consultant)</b>			
Booz Allen Hamilton - Develop Technical Specifications, Requirements and Drawings			1,325,898
Training			250,000
<b>TOTAL CONSULTANTS</b>			<b>1,575,898</b>
<b>5. OTHER DIRECT COSTS (Specify - explain costs, if any)</b>			
General Project Expenditures			632,515
Legal Services			80,000
Indirect Cost Allocation (Directly related to the project)			102,900
<b>Sales Tax</b>			
<b>TOTAL OTHER DIRECT COSTS</b>			<b>815,415</b>
<b>6. TOTAL ESTIMATED COST</b>			<b>19,343,000</b>
Comments:			

Date: 11/6/2012









RM-2 Initial Project Report

**EXPENDITURES TO-DATE BY PHASE AND FUND SOURCES**

Phase	Fund Source	Date of Last Expenditure	Amount Expended to date (Thousands)	Available Balance Remaining (Thousands)
ENV / PA&ED	District	8/26/2009	25,875	617,249
	FTA	8/26/2009	542,831	14,931,569
	Homeland Security	8/26/2009	111,043	1,493,933
PS&E				
RW				
CON / Operating				
Total to date (in thousands)			679,749	17,042,751

Comments:

As required by RM-2 Legislation, provide funds expended to date for the total project. Provide both expenditure by Fund Source and Expenditure by Phase, with the date of the last expenditure, and any available balance remaining to be expended.

Project ID: 19.0 Real Time Transit Information  
 Date: 11/6/2012



