

**SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY**

**DIVISION:** Finance and Information Technology

**BRIEF DESCRIPTION:**

Authorizing the San Francisco Municipal Transportation Agency, through its Director of Transportation (or his/her designee), to accept and expend \$7,070,567 in FY 2010-2011 California Transit Security Grant Program funds plus any subsequent interest earned in the account, for the Radio Communications System and Computer Aided Dispatch (CAD) Replacement project.

**SUMMARY:**

- The Highway Safety, Traffic Reduction, Air Quality and Port Security Bond Act of 2006, approved by California voters as Proposition 1B in the November 7, 2006 general election, authorizes the issuance of general obligation bonds for the specified purposes, including grants for transit system safety, security and disaster response projects.
- The California Emergency Management Agency (Cal EMA) administers such funds under the California Transit Security Grant Program (CTSGP). Cal EMA allocates CTSGP funding to the Metropolitan Transportation Commission, which sub-allocates the funds to transit operators within its jurisdiction on a formula basis pursuant to Section 99314 of the Public Utilities Code.
- The SFMTA has applied for \$7,070,567 in formula funds from the CTSGP, which funds will be used to enhance and improve the safety and security of SFMTA's transit system through security-related projects, including, but not limited to, the Radio Communications System and CAD Replacement project.
- The Radio Communications System and Computer Aided Dispatch (CAD) Replacement project will replace the antiquated radio communications system for both revenue and non-revenue fleets with a modern radio and data communications system. It is the largest component of the renovation and upgrade of the SFMTA Central Control Facility. The existing Motorola Metrocom system is 30 years old and at the end of its useful life. The existing system is no longer manufactured, has limited parts availability and technical support, and cannot be upgraded. While the system has served SFMTA well, the existing system cannot be extended to carry data traffic generated by "smart" vehicle applications such as Automatic Passenger Counters, Vehicle Health Monitors, Automatic Vehicle Location (AVL) data, and Closed Circuit TV (CCTV).
- SFMTA requests that this Board authorize the acceptance and expenditure of \$7,070,567 in CTSGP funds, plus any subsequent interest earned in the account.

**ENCLOSURES:**

1. SFMTAB Resolution

**APPROVALS:**

**DATE**

DIRECTOR \_\_\_\_\_ 7/10/12

SECRETARY \_\_\_\_\_ 7/10/12

**ASSIGNED SFMTAB CALENDAR DATE:** July 17, 2012

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### **PURPOSE**

The SFMTA Board approval of this resolution would authorize the SFMTA to authorize the SFMTA to accept and expend \$7,070,567 in CTSGP funds for the Radio Communications System and CAD Replacement project to improve SFMTA transit system safety, security and disaster response.

### **GOAL**

The SFMTA will further the following goals of the Strategic Plan through acceptance of these funds:

Goal 1: Create a safer transportation experience for everyone

Objective 1.1: Improve security for transportation system users

Objective 1.3: Improve the safety of the transportation system

Goal 2: Make transit, walking, bicycling, taxi, ridesharing & carsharing the preferred means of travel

Objective 2.1: Improve customer service and communications

Goal 4: Create a workplace that delivers outstanding service

Objective 4.1: Improve internal communications

### **DESCRIPTION**

The Highway Safety, Traffic Reduction, Air Quality and Port Security Bond Act of 2006, approved by California voters as Proposition 1B in the November 7, 2006 general election, authorizes the issuance of general obligation bonds for the specified purposes, including grants for transit system safety, security and disaster response projects. The California Emergency Management Agency (Cal EMA) administers such funds under the California Transit Security Grant Program (CTSGP). Cal EMA allocates CTSGP funding to the Metropolitan Transportation Commission, which sub-allocates the funds to transit operators within its jurisdiction on a formula basis pursuant to Section 99314 of the Public Utilities Code.

The SFMTA has applied for \$7,070,567 in FY 2010-2011 CTSGP funds for the Radio Communications Systems and CAD Replacement which will promote and encourage transit system safety, security and disaster response. The Radio Communications System and Computer Aided Dispatch (CAD) Replacement project will replace the antiquated radio communications system for both revenue and non-revenue fleets with a modern radio and data communications system. It is the largest component of the renovation and upgrade of the SFMTA Central Control Facility. The existing Motorola Metrocom system is 30 years old and at the end of its useful life. The existing system is no longer manufactured, has limited parts availability and technical support, and cannot be upgraded. While the system has served SFMTA well, the existing system cannot be extended to carry data traffic generated by “smart” vehicle applications such as Automatic Passenger Counters, Vehicle Health Monitors, Automatic Vehicle Location (AVL) data, and Closed Circuit TV (CCTV).

### **ALTERNATIVES CONSIDERED**

There are no alternatives to replacing the radio system. The SFMTA’s existing radio system is outdated, parts are no longer available, and the system will not comply with the FCC narrow banding guideline in 2013. The new radio system could be procured under a traditional design-bid-build

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process, but such a process would take longer, would likely be more costly and it would be much more difficult to hold contractors and vendors accountable for system and construction defects.

**FUNDING IMPACT**

The total cost of the Radio Communications Systems and CAD Replacement Project is \$115,000,000. The project is funded from the following sources: 1) Federal grants (\$14,147,000); 2) San Francisco County Transportation Authority Proposition K Sales Tax (\$62,000,000); 3) State Proposition 1B Bonds (\$26,000,000); 4) SFMTA Revenue and Operating Funds (\$9,000,000) and 5) Regional Bridge Toll and other Sources (\$3,853,000). All programmed/planned project funds should arrive within two (2) years. If not, the budget will be amended to reduce the scope of the Project, or portions of the Project will be suspended until additional funding can be secured.

**OTHER APPROVALS RECEIVED OR STILL REQUIRED**

Not applicable.

The City Attorney's Office has reviewed this calendar item.

**RECOMMENDATION**

Staff recommends that this Board authorize the SFMTA, through its Director of Transportation (or his designee), to accept and expend \$7,070,567 in CTSGP funds, plus subsequent interest earned in the account.

SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY  
BOARD OF DIRECTORS

RESOLUTION No. \_\_\_\_\_

WHEREAS, The Highway Safety, Traffic Reduction, Air Quality and Port Security Bond Act of 2006, approved by California voters as Proposition 1B in the November 7, 2006 general election, authorizes the issuance of general obligation bonds for the specified purposes, including grants for transit system safety, security and disaster response projects; and

WHEREAS, The California Emergency Management Agency (Cal EMA) administers such funds under the California Transit Security Grant Program (CTSGP); and

WHEREAS, Cal EMA allocates CTSGP funding to the Metropolitan Transportation Commission, which sub-allocates the funds to transit operators within its jurisdiction on a formula basis pursuant to Section 99314 of the Public Utilities Code; and

WHEREAS, The SFMTA is an eligible recipient for assistance under the CTSGP; and

WHEREAS, The SFMTA has applied for \$7,070,567 in FY2010-2011 CTSGP funds (plus subsequent interest earned in deposit) for the Radio Communications System and CAD Replacement project; and

WHEREAS, The work to be performed under the Project will be to design and build a new radio system for SFMTA mobile and hand held radios, implement a Computer Aided Dispatch/Automatic Vehicle Location (CAD/AVL) system, provide communications interoperability with other City departments, and provide necessary construction services; and,

WHEREAS, Cal EMA requires the SFMTA to submit a governing body resolution for the purposes of identifying the authorized agent(s) to act on behalf of the SFMTA to execute any actions necessary for the purpose of obtaining the financial assistance provided by Cal EMA; now, therefore be it

RESOLVED, That the SFMTA Board of Directors authorizes the San Francisco Municipal Transportation Agency, through its Director of Transportation (or his designee), to accept and expend \$7,070,567 in FY2010-2011 Proposition 1B California Transit Security Grant Program funds (Grant No. 6461-0002), plus any subsequent interest earned in the account for the Radio Communications Systems and CAD Replacement project; and be it further

RESOLVED, That the SFMTA Board of Directions authorizes the Director of Transportation (or his designee) to execute for and on behalf of the SFMTA any agreements or actions necessary for the purpose of obtaining FY2010-2011 CTSGP funds.

I certify that the foregoing resolution was adopted by San Francisco Municipal Transportation Agency Board of Directors at its meeting of July 17, 2012.

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Secretary to the Board of Directors  
San Francisco Municipal Transportation Agency