

**THIS PRINT COVERS CALENDAR ITEM NO. : 10.10**

**SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY**

**DIVISION:** Capital Programs & Construction

**BRIEF DESCRIPTION:**

Approving Contract Modification No. 1 to exercise the optional bid items under San Francisco Municipal Transportation Agency (SFMTA) Contract No. 1241, Muni Metro Subway Fire Alarm & Detection System Upgrade, with US Electric Technologies, Inc., in the amount of \$451,000, and for an increase in the term of 120 calendar days.

**SUMMARY:**

- On August 2, 2011, the SFMTA Board of Directors adopted Resolution No. 11-106, which awarded Contract No. 1241, Muni Metro Subway Fire Alarm & Detection System Upgrade, to US Electric Technologies, Inc., in the amount of \$572,000. The work under this authorization was the upgrade of the fire alarm and detection system at the Castro Metro Station, Church Metro Station and Church Traction Power Substation.
- Under Modification No. 1, SFMTA will exercise the optional bid items of Contract No. 1241 upgrade of the fire alarm and detection system at Van Ness Metro Station, and Forest Hill Metro Station.
- Contract Modification No. 1 will increase the amount of the contract by \$451,000, to a total of \$1,023,000, and increase the term by 120 days.
- Federal and local sources are providing funds for the work under this contract.

**ENCLOSURES:**

1. SFMTAB Resolution
2. Modification No. 1
3. Project Budget & Financial Plan

**APPROVALS:**

**DATE**

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

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

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

## **PURPOSE**

The purpose of this calendar item is to award the optional bid items as a contract modification under San Francisco Municipal Transportation Agency (SFMTA) Contract No. 1241, Muni Metro Subway Fire Alarm and Detection System Upgrade.

## **GOAL**

Contract No. 1241 would assist in the implementation of the following goals, objectives and initiatives in the SFMTA Strategic Plan:

Goal 1: Create a safer transportation experience for everyone

- Objective 1.1 Improve security for transportation system users
- Objective 1.2 Improve workplace safety and security
- Objective 1.3 Improve the safety of the transportation system

Goal 3: Improve the environment and quality of life in San Francisco

- Objective 3.2 Increase the transportation system's positive impact to the economy.
- Objective 3.4 Deliver services efficiently

Goal 4: Create a collaborative environment to support delivery of outstanding service

- Objective 4.1 Improve internal communications
- Objective 4.2 Create a collaborative and innovative work environment
- Objective 4.3 Improve employee accountability
- Objective 4.4 Improve relationship and partnerships with our stakeholders

## **DESCRIPTION**

### Background

This project has been prioritized in the 2008 SFMTA Capital Investment Program (CIP), under Infrastructure – Rehabilitation. Capital projects are prioritized using a four-step process that groups and orders projects by program, project criteria, schedule, readiness and fund availability.

### Scope of Work

The work under Contract Modification No. 1 involves upgrading the two subway stations (Van Ness Metro Station, Forest Hill Metro Station) to the fire alarm and detection requirements of the San Francisco Fire Code (2007 edition) and NFPA 72 (National Fire Alarm Code, 2002 edition, which is the most recent edition adopted by San Francisco Fire Department).

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This project will utilize a non-proprietary fire alarm system. A non-proprietary fire alarm system is one in which the parts, supplies, programming, and all other portions and aspects of the systems are available from multiple independent and competitive dealers.

The additional time allotted for the optional bid work is 120 days. The revised substantial completion construction of the project is 330 calendar days from the date of the written Notice to Proceed for the work. Liquidated damages are \$2,000 per calendar day for failure to complete the work on time and \$500 per calendar day of delay to complete the remaining work.

**Award of Contract**

On June 16, 2011, SFMTA’s Capital Programs and Construction Division received and publicly opened three bid proposals.

The three bid proposals received were as follows:

Bidders		Bid Price
1	US Electric Technologies, Inc. 1605 Folsom Street San Francisco, CA 94103	Base \$572,000 Optional \$451,000
2	L C General Engineering & Construction, Inc. 1596 Hudson Avenue San Francisco, CA 94124	Base \$626,580 Optional \$492,721
3	Bass Electric 856 Folsom Street San Francisco, CA 94107	Base \$855,678 Optional \$676,720

The engineer's estimate for the base bid work was \$890,000 and \$705,000 for the optional bid items.

On August 2, 2011, the SFMTA Board of Directors adopted Resolution No. 11-106, which awarded Contract No. 1241 to US Electric Technologies, Inc., in the amount of \$572,000. The work under this authorization was the upgrade of the fire alarm and detection system at the Castro Metro Station, Church Metro Station and Church Traction Power Substation.

**Status**

SFMTA issued the notice to proceed to the contractor on November 1, 2011. The contractor has almost completed work on the Church Street Station and Substation, and has begun preliminary work at the Castro Station.

US Electric Technologies, Inc. is at 100% SBE participation

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### **ALTERNATIVES CONSIDERED**

The project team held discussions with Maintenance staff concerning whether the work should be done by in-house staff. The preference was to have a contractor perform the work because we have no in-house experience and contractors have enough crews with electrical and fire alarm & detection system installation expertise to complete the work in a timely manner with minimal impact to Operations. Staff determined that contracting out to contractors was the practical alternative.

### **FUNDING IMPACT**

Funding for the entire project comes from a combination of federal and local funds. All funding for this project has been secured.

The budget and financial plan for this project is presented in Enclosure 3 of the calendar item.

### **OTHER APPROVALS RECEIVED OR STILL REQUIRED**

None.

The City Attorney has reviewed this report.

### **RECOMMENDATION**

Staff recommends that the SFMTA Board of Directors approve Contract Modification No. 1 to exercise the optional bid items under SFMTA Contract No. 1241, Muni Metro Subway Fire Alarm & Detection System Upgrade, with US Electric Technologies, Inc., in the amount of \$451,000, and for an increase in the term of 120 calendar days.

SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY  
BOARD OF DIRECTORS

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

WHEREAS, On August 2, 2011, the SFMTA Board of Directors adopted Resolution No. 11-106, which awarded Contract No. 1241, Muni Metro Subway Fire Alarm & Detection System Upgrade, to US Electric Technologies, Inc., in the amount of \$572,000; the work under this authorization was the upgrade of the fire alarm and detection system at the Castro Metro Station, Church Metro Station and Church Traction Power Substation; and

WHEREAS, Under the proposed Contract Modification No. 1, the contractor would upgrade the fire alarm and detection system at Van Ness Metro Station and Forest Hill Metro Station for its bid price of \$451,000; and,

WHEREAS, The upgrades will bring the facilities in compliance with the San Francisco Fire Code and the National Fire Alarm Code; and,

WHEREAS, On June 16, 2011, the SFMTA received and publicly opened three bid proposals in response to its invitation for bids; and,

WHEREAS, The project is funded by federal grants (80%) and by local funding sources (20%); now, therefore, be it

RESOLVED, That the SFMTA Board of Directors approves Contract Modification No. 1 to SFMTA Contract No. 1241, Muni Metro Subway Fire Alarm and Detection System Upgrade, with US Electric Technologies, Inc. to exercise the optional bid items, in an amount not to exceed \$451,000, and for an increase in the term of 120 calendar days.

I certify that the foregoing resolution was adopted by the 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

**CONTRACT MODIFICATION NO. 1**

**San Francisco Municipal Transportation Agency Contract No. 1241  
MUNI Metro Subway Station Fire Alarm and Detection System Upgrade**

Contractor: US Electric Technologies, Inc.  
1065 Folsom Blvd.  
San Francisco, CA 94103

The Contract is hereby modified as follows:

1. Under Section SP.2 of the Special Provisions, the City exercises the following Optional Bid Items:
  - a. Optional Bid Items Nos. 8, 9, 10, and 11 (Van Ness Station Fire Alarm and Detection System).
  - b. Optional Bid Items Nos. 12, 13, 14, and 15 (Forest Hill Fire Alarm and Detection System).

	Amount
Lump Sum	\$451,000.00
Total Amount of this Contract Modification: (Increased Amount)	\$451,000.00
Previous Total of Contract:	\$572,000.00
New Revised Total of Contract:	\$1,023,000.00
Total Contract Time added by this Contract Modification:	120 CD
Previous Contract Substantial Completion Date:	05/28/12
Current Contract Substantial Completion Date:	09/25/12

2. This Modification is made in accordance with Article 88 of the Contract General Provisions
3. Except as provided herein all previous terms and conditions of the Contract remain unchanged.
4. Contractor acknowledges and agrees that the amounts agreed for the work described above shall be in full accord and satisfaction of all current and prospective costs incurred in connection with Contractor's performance of the work under this modification, without limitation, including any all markups and overhead. Contractor releases the City from all claims for which full accord and satisfaction is hereby made, as set forth above.

CONTRACT MODIFICATION NO. 1

Contract No.1241

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5. If this modification involves the granting of an extension of time, with or without cost, Contractor releases the City from all claims and costs associated with such extension of time. Such costs may include, but are not limited to, costs for labor, materials, equipment, disruption, lost productivity, escalation, delay, extended overhead, administration and extended performance time.

In Witness Whereof, the parties have executed this Modification in quadruplicate in San Francisco, California as of this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

<p style="text-align: center;"><b>UE ELECTRIC TECHNOLOGIES, INC.</b></p>  <p>By: _____</p> <p style="text-align: center;"><i>Signature</i> Nori Lee Vice President</p>	<p style="text-align: center;"><b>CITY AND COUNTY OF SAN FRANCISCO</b> Municipal Transportation Agency</p>  <p>By: _____</p> <p style="text-align: center;"><i>Signature</i> Edward D. Reiskin Director of Transportation</p> <p><b>Authorized By:</b> Municipal Transportation Agency</p> <p>Resolution No. _____</p> <p>Adopted: _____</p> <p>Attest:</p> <p>By: _____</p> <p style="text-align: center;">Secretary, Municipal Transportation Agency</p> <p style="text-align: center;"><b>APPROVED AS TO FORM:</b> Dennis J. Herrera, City Attorney</p> <p>By: _____</p> <p style="text-align: center;"><i>Signature</i> Robin M. Reitzes Deputy City Attorney</p>
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**Contract No. 1241**  
**Muni Metro Subway Fire Alarm & Detection System Upgrade**  
**Project Budget and Financial Plan**

**PROJECT BUDGET**

<b>Category</b>	<b>Budget</b>
Conceptual Engineering Phase Staff Support (SFMTA and Other Dept. Services)	\$114,410
Detail Design Phase Staff Support (SFMTA and Other Dept. Services)	\$211,000
Construction Phase Construction Contract, Contingency and Staff Support	\$2,025,878
<b>Total Cost</b>	<b>\$2,351,288</b>

**FINANCIAL PLAN**

<b>Project Funding Source</b>	<b>Amount</b>
Federal Grant	\$1,881,030
AB664 Bridge Toll	\$470,258
<b>Total</b>	<b>\$2,351,288</b>