

**THIS PRINT COVERS CALENDAR ITEM NO. : 10.3**

**SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY**

**DIVISION:** Capital Programs & Construction

**BRIEF DESCRIPTION:**

Authorizing the Director of Transportation to execute San Francisco Municipal Transportation Agency (SFMTA) Contract No. 1267, Subway CCTV Surveillance System Project, with Central Sierra Electric Company, Inc., located at 11049 Highway 88, Jackson, CA 95642, as the lowest responsive and responsible bidder, to install a new CCTV system in the subway stations, tunnels, and portals, in the amount of \$3,899,252 and for a term of 320 calendar days.

**SUMMARY:**

- On November 7, 2012, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1267, Subway CCTV Surveillance System Project.
- The scope of work under this project includes installation of new closed circuit television (CCTV) Internet Protocol based cameras, thermographic (infrared) cameras in the tunnels, video behavioral analytic software at the portals, video monitoring and storage equipment at the stations and portals, and interfacing the new systems with a central monitoring location via the existing communications network. Capability will be provided for future connection to a dedicated fiber-based system for the network communications. In addition, the project includes electrical system upgrades, including the addition of an uninterruptible power supply system and branch circuit wiring for the added equipment racks and satellite rack locations.
- SFMTA received and publicly opened ten bids on January 8, 2013. One of the bids was determined to be non-responsive to the bidding requirements and had to be rejected. Staff recommends awarding Contract No. 1267 to Central Sierra Electric Company, Inc. as the lowest responsive and responsible bidder, in the amount of \$3,899,252.
- Federal and local sources are providing funds for the work under this contract.

**ENCLOSURES:**

1. SFMTAB Resolution
2. Project Budget & Financial Plan

**APPROVALS:**

**DATE**

DIRECTOR\_\_\_\_\_

March 25, 2013

SECRETARY\_\_\_\_\_

March 25, 2013

**ASSIGNED SFMTAB CALENDAR DATE:** April 2, 2013

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### **PURPOSE**

The purpose of this calendar item is to award SFMTA Contract No. 1267, Subway CCTV Surveillance System Project, to Central Sierra Electric Company, Inc., in an amount not to exceed \$3,899,252 and a for term of 320 calendar days.

### **GOAL**

Contract No. 1267 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 1.3 Improve the safety of the transportation system.

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

- Objective 2.2 Improve transit performance.

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

- Objective 3.1 Reduce the Agency's and the transportation system's resource consumption, emissions, waste and noise.
- Objective 3.2 Increase the transportation system's positive impact to the economy.
- Objective 3.3 Allocate capital resources effectively.
- Objective 3.4 Deliver services efficiently.

Goal 4: Create a workplace that delivers 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 relationships and partnerships with our stakeholders.

### **DESCRIPTION**

#### Background

The Muni subway system provides service to an estimated 423,000 riders weekly. Such populated infrastructure systems have become potential targets for terrorist activity and for other serious criminal activity. The purpose of the Subway CCTV Surveillance System Installation Project (Project) is to enhance the security and safety of the subway system. The primary objective of the Project is to replace and enhance the aging CCTV surveillance camera system and recording system that serves the subway system, and its perimeters. These systems will be connected to fiber optic infrastructure as part of the Integrated Systems Replacement project (Contract 1260R).

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The Project scope of work is as follows:

1. Installation of SFMTA pre-purchased new CCTV Internet Protocol (IP) based cameras; thermographic cameras (in the tunnel area); video behavioral analytic software at the portals; video monitoring and storage equipment at each of the subway stations identified in item 4 below.

(In February 2012, staff procured cameras and a license for video behavioral analytic software totaling \$3,673,563, using grant funds that were due to expire in April 2012. SFMTA will furnish this equipment and software to the Contractor for installation.)

2. Interfacing of these new systems to a central monitoring location via the existing communications network. Capability will be provided for future connection to a dedicated fiber-based system for network communications.
3. Electrical system upgrades, including the addition of an uninterruptible power supply system (UPS) and branch circuit wiring for the added equipment racks and satellite rack locations.
4. The locations for each independent system are as follows:
  - a. Stations
    1. West Portal Station
    2. Forrest Hill Station
    3. Castro Station
    4. Church Station
    5. Van Ness Station
    6. Civic Center Station
    7. Powell Station
    8. Montgomery Station
    9. Embarcadero Station
  - b. Muni Metro Extension (MMX)
  - c. Portals (not at Stations)
    1. Ferry Portal (Folsom and Embarcadero)
    2. Eureka Portals (2, Inbound and Outbound Recorded at Castro Station)
    3. Duboce Portal (Church and Duboce)
    4. Sunset Tunnel Portals (2, east and west)

The time allotted to substantially complete construction of the project is 320 calendar days from the date of the written Notice to Proceed. The Contractor shall complete all remaining work within 90 calendar days from Substantial Completion.

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Bids Received

On November 7, 2012, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1267 in accordance with Board Resolution No. 09-191, which delegates, among other things, the authority to issue bid calls to the Director of Transportation.

On January 8, 2013, SFMTA's Capital Programs and Construction Division received and publicly opened ten bids, which were as follows:

	Bidders	Bid Amount
1	Central Sierra Electric Company Inc.	\$3,899,252.00
2	Transit Constructors	\$4,885,000.00
3	Phoenix Electric Co.	\$4,887,764.00
4	Rodan Builders Inc.	\$4,967,000.00
5	NTK Construction Inc.	\$5,103,300.00
6	Schembri Construction	\$5,195,848.00
7	Angotti & Reilly Inc.	\$5,583,873.00
8	G4S Technology LLC	\$5,699,432.00
9	Rosendin Electric Inc.	\$6,359,464.84
10	Johnson Controls Inc.	\$7,515,766.00

Staff has reviewed all bids and has determined that Central Sierra Electric Company, Inc. is the lowest responsive and responsible bidder. The Bid received from Phoenix Electric Co. was determined to be non-responsive to the bidding requirements and had to be rejected.

The engineer's estimate for the work was \$6,800,000. The average bid amount is \$5,968,057. Thus, the engineer's estimate exceeded the average bid amount by \$791,943 or 12%. The engineer's estimate, which was performed by the consultant on the project, was very conservative, and overestimated various bid items, such as those to produce schedules, record drawings, startup and operational testing, training, and operations and maintenance manuals.

On January 31, 2013, SFTMA received a bid protest from Transit Constructors, claiming that Central Sierra Electric, Inc. (CSE), the apparent low bidder, is not qualified to perform the work and that CSE's bid did not meet the requirements of the Invitation for Bids. After carefully reviewing the protest and the qualifications of CSE and their subcontractors, staff determined that CSE and its team met the minimum requirements and is fully qualified to perform the work.

This contract is funded by Transportation Security Administration (TSA) Homeland Security federal grants. TSA does not have a disadvantaged or small business program for its grantees; therefore, SFMTA did not establish a Small Business Enterprise goal on this Project. However, Central Sierra Electric Company is a small business certified by the State of California. The Contract Compliance Office has reviewed this calendar item.

Contract documents are not attached to this Calendar Item but are available for review at the Board Secretary's Office located at One South Van Ness Ave. Seventh Floor, San Francisco, CA 94103.

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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 contractors have enough crews with electrical and construction expertise to complete the work in a timely manner with minimal impact to Operations. Staff determined that contracting the work out was the practical alternative.

**FUNDING IMPACT**

This project is funded by the federal TSA grant funds. All funding for this project (\$8,312,079) has been awarded.

The budget and financial plan for this project is presented in Enclosure 2 of the calendar item.

**OTHER APPROVALS RECEIVED OR STILL REQUIRED**

The City Attorney has reviewed this calendar item.

No other approvals from any other agency are required for the award of this contract.

**RECOMMENDATION**

Staff recommends that the SFMTA Board of Directors authorize the Director of Transportation to execute SFMTA Contract No. 1267, Subway CCTV Surveillance System Project, with Central Sierra Electric Company, Inc. for a contract amount of \$3,899,252 and a term of 320 calendar days.

SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY  
BOARD OF DIRECTORS

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

WHEREAS, San Francisco Municipal Transportation Agency (SFMTA) Contract No. 1267, Subway CCTV Surveillance System Project, is identified in the latest San Francisco Municipal Railway Short Range Transit Plan under the Infrastructure Program, which consists of capital projects to rehabilitate and maintain fixed guideways; and,

WHEREAS, The work to be performed under this project includes installation of closed circuit television (CCTV) Internet Protocol based cameras, thermographic (infrared) cameras in the tunnels, video behavioral analytic software at the portals, video monitoring and storage equipment at the stations and portals, and interfacing the new systems with a central monitoring location via the existing communications network, with the capability for future connection to a dedicated fiber-based system for the network communications; in addition, the project includes electrical system upgrades, including the addition of an uninterruptible power supply system and branch circuit wiring for the added equipment racks and satellite rack locations.; and,

WHEREAS, On November 7, 2012, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1267 in accordance with Board Resolution No. 09-191, which delegates, among other things, the authority to issue bid calls to the Director of Transportation; and,

WHEREAS, On January 8, 2013, the SFMTA received and publicly opened ten bid proposals in response to its invitation for bids, one of which was determined to be non-responsive to the bidding requirements and had to be rejected; and,

WHEREAS, The SFMTA determined that Central Sierra Electric Company, Inc. (CSE), located at 11049 Highway 88, Jackson, CA 95642, is the lowest responsive and responsible bidder, with a bid of \$3,899,252; and,

WHEREAS, The SFMTA received a bid protest from the second low bidder alleging that CSE did not meet the minimum requirements for qualification and therefore was not a responsible contractor; after thoroughly reviewing the qualifications and experience of CSE and its team, SFMTA staff determined that CSE and its team are fully qualified to perform the work, and therefore denied the protest; and

WHEREAS, The SFMTA Contract Compliance Office has reviewed the bid proposals; and

WHEREAS, The project is funded by a Federal Transportation Security Administration grant; now, therefore, be it

RESOLVED, That SFMTA Board of Directors authorizes the Director of Transportation to execute Contract No. 1267, Subway CCTV Surveillance System Project, with Central Sierra Electric Company, Inc., as the lowest responsive and responsible bidder, to install a new CCTV system in the subway stations, tunnels, and portals, in an amount not to exceed \$3,899,252 and for a term of 320 calendar days.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of April 2, 2013.

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Secretary to the Board of Directors  
San Francisco Municipal Transportation Agency

**ENCLOSURE 2**

**Contract No. 1267**

**Subway CCTV Surveillance System Project  
Project Budget and Financial Plan**

**PROJECT BUDGET**

<b>Category</b>	<b>Budget</b>
Conceptual Engineering Phase Staff Support (Consultant Services)	\$52,355
Detail Design Phase Staff Support (Consultant Services)	\$165,255
Pre-purchased Cameras Equipment and Software Licensing	\$3,673,563
Construction Phase Construction Contract, Procurement, Contingency and Consultant Services.	\$4,420,906
<b>Total Cost</b>	<b>\$8,312,079</b>

**FINANCIAL PLAN**

<b>Project Funding Source</b>	<b>Amount</b>
Federal Transportation Security Administration (TSA) Homeland Security	\$8,312,079
<b>Total</b>	<b>\$8,312,079</b>