

**THIS PRINT COVERS CALENDAR ITEM NO. : 10.7**

**SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY**

**DIVISION:** Capital Programs and Construction

**BRIEF DESCRIPTION:**

Authorizing the Director of Transportation to award San Francisco Municipal Transportation Agency Contract No. 1293, Fall Protection and Disconnect Switch Project, to Cal State Constructors, Inc. to install fall protection and disconnect switches at various maintenance facilities, in the amount of \$6,647,000, and for a term of 420 days.

**SUMMARY:**

- On October 19, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for SFMTA Contract No. 1293, Fall Protection and Disconnect Switch Project.
- The Project is for installation of fall protection systems at Potrero Yard, Metro Green, Cameron Beach, Muni Metro East, Duboce Yard, and at the West Portal roof structure.
- Cal State Constructors, Inc. was the sole responsive and responsible bidder.
- Funding for construction services under this Contract is provided by local Proposition K sources.

**ENCLOSURES:**

1. SFMTAB Resolution
2. Project Budget and Financial Plan

**APPROVALS:**

**DATE**

DIRECTOR \_\_\_\_\_ 2/10/17

SECRETARY R. Boomer \_\_\_\_\_ 2/10/17

**ASSIGNED SFMTAB CALENDAR DATE:** February 21, 2017

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**PURPOSE**

The purpose of this calendar item is to authorize the Director of Transportation to award San Francisco Municipal Transportation Agency Contract No. 1293, Fall Protection and Disconnect Switch Project, to Cal State Constructors, Inc. to install fall protection and disconnect switches at various maintenance facilities, in the amount of \$6,647,000, and for a term of 420 days.

**STRATEGIC PLAN GOALS AND TRANSIT FIRST POLICY PRINCIPLES**

This action supports the following goals and objectives in the SFMTA's Strategic Plan and Transit First Policy Principles:

Strategic Plan Goals/Objectives:

Goal 1: Create a safer transportation experience for everyone.

Objective 1.2: Improve workplace safety and security.

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

Objective 2.2: Improve transit performance.

Transit First Policy Principles:

1. To ensure quality of life and economic health in San Francisco, the primary objective of the transportation system must be the safe and efficient movement of people and goods.
2. Public transit, including taxis and vanpools, is an economically and environmentally sound alternative to transportation by individual automobiles. Within San Francisco, travel by public transit, by bicycle and on foot must be an attractive alternative to travel by private automobile.

**DESCRIPTION**

**Background:**

To create more space for passengers, public transit vehicles are being designed with power, fuel, cooling, and electrical systems on the roof rather than at the back or bottom of the vehicles. This creates a fall hazard for maintenance staff working atop the vehicles. Fall protection systems are used to address the challenges and danger faced by maintenance staff who must perform equipment repairs and maintenance atop Light Rail Vehicles (LRVs), historic streetcars, or trolley coaches. As such, the objectives of this project are to provide compliant fall protection systems and a safer work environment for workers.

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The project will address fall protection at Potrero Yard, Presidio, Metro Green, Cameron Beach, Duboce Yard, and at the West Portal Station roof structure. Some of these facilities have inadequate fall protection systems, while others have no systems in place. The project also addresses work areas where workspace is tight and limited and does not readily allow for the use of portable fall protection safety equipment, such as a portable platform. The SFMTA performed the mechanical and electrical design for this Project, and San Francisco Public Works performed the structural design. Implementation of this Project will improve safety and working conditions for SFMTA staff performing essential maintenance work and duties.

### **Scope of Contract:**

Work to be performed includes the following:

- Potrero Yard: Installation of new dual rail ceiling systems, including installation of steel rails and mounting brackets on the existing building structure and new disconnect switches to work in conjunction with the dual rail systems.
- Metro Green and Cameron Beach: Installation of new framing supports, guard rails, swing gates, entry gates and modifications to the existing platforms. New disconnect switches to work in conjunction with the new dual rail systems.
- Muni Metro East: Installation of a stationary platform extension to reduce the gap between the elevated platform and the LRV roof.
- Duboce Yard: Infill of the pit area for installation of a new slab foundation to allow the use of a portable platform. Installation of a new disconnect switch to work in conjunction with the fall protection system. Installation of lighting within the pit area.
- West Portal Station Roof Structure: Installation of a new fall arrest anchoring system at the sloped concrete slab to allow for gutter cleaning.
- Testing, Training, and Start-up. A comprehensive program for testing, training, and start-up of equipment installed under the Contract, including preparing maintenance manuals, providing training for SFMTA's maintenance personnel, completing testing requirements, and preparing updates to the SFMTA's Standard Operating Procedures.

### **Bids Received:**

On October 19, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1293 in accordance with Board Resolution No. 09-191, which delegates, among other things, the authority to issue bid calls to the Director of Transportation.

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On December 15, 2016, the SFMTA received and publicly opened one bid proposal from Cal State Constructors, Inc., with a bid price of \$6,647,000. The bid received was responsive to the bidding requirements and the bidder was found to be a responsible contractor.

San Francisco Administrative Code Section 6.23(c)(2) provides: “If only one Responsive Bid is received from a Responsible Bidder, and no other Bids are submitted for the same work, the Department Head may recommend the Award of a Contract to the sole Bidder at the bid price received, provided that the bid price does not exceed the engineer’s estimate for the work.”

The original engineer’s estimate for the work was \$7.2 million at the time the contract was advertised. The estimate was later revised to \$6.9 million when the SFMTA issued Addendum No. 2 to remove the Presidio Yard scope from the contract. The bid submitted by Cal State Constructors, Inc. is 3.4% below the engineer’s estimate. The Project Team has concluded that, although there is variation in some of the individual bid items, the SFMTA has obtained a fair and reasonable price for the Work.

Bidders are required by the California Subletting and Subcontracting Fair Practices Act (Public Contract Code section 4104) to list all subcontractors that will perform more than one-half of one percent of the value of the Contract. Cal State Constructors, Inc. listed the following subcontractors:

<b>Subcontractor</b>	<b>Status</b>	<b>Value</b>
Pacific Rim Fall Protection		\$301,722.25
GECMS, Inc. dba Giron Construction	LBE	\$207,300.00
BayTech Engineering, Inc.	LBE	\$2,699,400.00
MC Metal, Inc	LBE	\$990,900.00

The Contract Compliance Office reviewed the bid proposal and determined that Cal State Constructors, Inc. meets the 30% Local Business Enterprise (LBE) subcontracting participation goal established for this contract. The Contract Compliance Office also confirmed that Cal State Constructors, Inc. has committed to meeting the Non-discrimination Equal Employment requirements of the contract and is in compliance with the City’s Equal Benefits ordinance.

**STAKEHOLDER ENGAGEMENT**

All work in the contract will be performed inside of SFMTA’s maintenance facilities. The work is not expected to generate loud noise or debris that would impact the public. As such, no external outreach effort is required for the Project. We will, however, notify the offices of the Supervisors in the respective districts as an information item. Should any work result in any external impacts, we will notify adjacent neighbors via door-to-door noticing. As for internal outreach, staff worked with each site superintendent of the facility to coordinate in order to maintain operation of the facility during the construction period.

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Equally important to external outreach is in-reach to staff. We will be providing information to staff at each division (Potrero Yard, MME, Green Rail, Cameron Beach, Duboce Yard and West Portal) digitally via the 'In The Know' newsletter, provide information at monthly safety meetings, and distribute posters and flyers. Our key message is that safety is our number one goal, and this Project's primary purpose is to ensure that maintenance workers are safe while working atop vehicles. We will also inform staff that the work will provide maintenance staff the ability to work on multiple vehicles simultaneously in order to minimize impacts to transit operations.

## **ALTERNATIVES CONSIDERED**

Currently, maintenance workers use portable platforms in open areas of the facility to perform work atop vehicles. This creates a burden to operations and maintenance, as the vehicles must be in specific locations of the facility in order to perform maintenance on rooftops. Continued use of only portable platforms would increase the strain on operations and maintenance activities. Administrative Code Section 6.20(a) requires the City to contract out for work exceeding \$600,000.

Staff held discussions with Muni Maintenance staff concerning whether the work should be done by in-house staff. The preference was to have a contractor perform the work because a contractor will have greater resources to complete the work in a timely manner with minimal impact to Muni Operations. Staff determined that contracting out the work was the best alternative.

## **FUNDING IMPACT**

The Fall Protection and Disconnect Switch Project's total cost is approximately \$14 million, and is fully funded by Proposition K sales tax local funds administered by the San Francisco County Transportation Authority.

The budget and financial plan for this project is presented in Enclosure 2.

## **ENVIRONMENTAL REVIEW**

On April 20, 2015, the SFMTA, under authority delegated by the Planning Department, determined that the Installation of Fall Protection Systems is not defined as a "project" under the California Environmental Quality Act (CEQA) pursuant to Title 14 of the California Code of Regulations Sections 15060(c) and 15378(b).

A copy of the CEQA determination is on file with the Secretary to the SFMTA Board of Directors and is incorporated herein by reference.

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

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

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No other approvals are required.

**RECOMMENDATION**

Staff recommends that the SFMTA Board of Directors authorize the Director of Transportation to award San Francisco Municipal Transportation Agency Contract No. 1293, Fall Protection and Disconnect Switch Project, to Cal State Constructors, Inc. to install fall protection and disconnect switches at various maintenance facilities, in the amount of \$6,647,000, and for a term of 420 days.

SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY  
BOARD OF DIRECTORS

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

WHEREAS, San Francisco Municipal Transportation Agency (SFMTA) Contract No. 1293, Fall Protection and Disconnect Switch Project involves the installation of fall protection systems at Potrero Yard, Metro Green, Cameron Beach, Muni Metro East, Duboce Yard and at the West Portal roof structure; and,

WHEREAS, On October 19, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1293 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 December 15, 2016, the SFMTA received and publicly opened a single responsive bid from Cal State Constructors, Inc., in response to the invitation for bids; and,

WHEREAS, The SFMTA determined that Cal State Constructors, Inc., is a responsible bidder and that its bid, in the amount of \$6,647,000, was below the engineer's estimate of approximately \$6,900,000; and,

WHEREAS, San Francisco Administrative Code Section 6.23(c)(2) provides that if a single responsive bid is received from a responsible bidder, the Department may recommend award if the bid price does not exceed the engineer's estimate for the work; and,

WHEREAS, The Contract Compliance Office reviewed the bid proposals and confirmed that Cal State Constructors, Inc. will meet the Local Business Enterprise subcontracting participation goal of 30% for the project; and,

WHEREAS, Work under Contract No. 1293 will be funded by local sources; and,

WHEREAS, On April 20, 2015, the SFMTA, under authority delegated by the Planning Department, determined that the Installation of Fall Protection Systems is not defined as a "project" under the California Environmental Quality Act (CEQA) pursuant to Title 14 of the California Code of Regulations Sections 15060(c) and 15378(b); and,

WHEREAS, A copy of the CEQA determination is on file with the Secretary to the SFMTA Board of Directors and is incorporated herein by reference; now, therefore, be it

RESOLVED, That the SFMTA Board of Directors authorizes the Director of Transportation to award San Francisco Municipal Transportation Agency Contract No. 1293, Fall Protection and Disconnect Switch Project, to Cal State Constructors, to install fall protection and disconnect switches at various maintenance facilities, in the amount of \$6,647,000, and for a term of 420 days.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of February 21, 2017.

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Secretary to the Board of Directors  
San Francisco Municipal Transportation Agency



ENCLOSURE 2

Fall Protection and Disconnect Switch Project

Project Budget and Financial Plan

<b>Cost</b>	<b>Amount</b>
Conceptual Engineering Phase Staff Support (SFMTA and Other Dept. Services)	\$495,000
Detail Design Phase Staff Support (SFMTA and Other Dept. Services)	\$1,542,000
Construction Phase Construction Contract, Contingency, and Staff Support	\$11,950,000
<b>Total Cost</b>	<b>\$13,987,000</b>

<b>Funding</b>	<b>Amount</b>
San Francisco County Transportation Authority Proposition K Sales Tax	\$13,987,000
<b>Total Funding</b>	<b>\$13,987,000</b>