

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

**SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY**

**DIVISION:** Capital Programs and Construction

**BRIEF DESCRIPTION:**

Awarding SFMTA Contract No. 1314, Replacement of Manual Trolley Switch System Phase 1, to GECMS, Inc., dba Giron Construction, to replace six existing manual trolley switch systems with new remote operable units at five locations within the SFMTA traction power system, in the amount of \$3,094,900, and for a term of 270 days to Substantial Completion.


**SUMMARY:**

- On March 1, 2019, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1314, Replacement of Manual Trolley Switch System Phase 1 (Project).
- On April 11, 2019, the SFMTA received and publicly opened two bids for Contract No. 1314. GECMS, Inc., dba Giron Construction, was the responsible bidder that submitted the lowest responsive bid of \$3,094,900, which was 4.3% above the Engineer's estimate of \$3 million.
- The Planning Department has determined that the proposed Project is categorically exempt from the California Environmental Quality Act (CEQA).
- The proposed action is the Approval Action under S.F. Administrative Code Chapter 31.

**ENCLOSURES:**

1. SFMTAB Resolution
2. Project Budget and Finance Plan

**APPROVALS:**

DIRECTOR  \_\_\_\_\_

SECRETARY  \_\_\_\_\_

**DATE**

\_\_\_\_\_  
May 28, 2019

\_\_\_\_\_  
May 28, 2019

**ASSIGNED SFMTAB CALENDAR DATE:** June 4, 2019

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## **PURPOSE**

The purpose of this calendar item is to award SFMTA Contract No. 1314, Replacement of Manual Trolley Switch System Phase 1, to GECMS, Inc., dba Giron Construction, to replace six existing manual trolley switch systems with new remote operable units at five locations within the SFMTA traction power system, in the amount of \$3,094,900, and for a term of 270 days to Substantial Completion.

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

The Work to be performed under Contract No. 1314 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 the safety of the transportation system.
  
- Goal 2: Make transit and other sustainable modes of transportation the most attractive and preferred means of travel.  
Objective 2.1 Improve transit performance.

### Transit First Policy Principles

1. To ensure quality of life and economic health in San Francisco, the primary object of the transportation system must be the safe and efficient movement of people and goods.
  
2. Public transit, including taxi 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**

Under this Project, the Contractor will replace six existing manual trolley switch equipment with new remote operable units near the following intersections: Mission Street & Cesar Chavez Street; 16<sup>th</sup> Street & South Van Ness Avenue; Mission Street between 4<sup>th</sup> Street & 5<sup>th</sup> Street; Mission Street between Godeus Street & Eugenia Avenue; and at 79 Stevenson Street. The new switch units will improve service reliability of the 14 Mission and 14R Mission bus lines by reducing the response time required to restore electrical power for trolley coach service in the event of the failure of an electrical substation.

While not a frequent occurrence, when an electrical substation failure occurs, a trolley switch unit creates an electrical bridge for a nearby substation to supply electrical power for the impacted trolley lines. The existing manual trolley switch units require field service staff to travel to the switch location and manually pull a control lever to activate the unit. The time required to restore service depends on the location of the switch units and the travel time from the Power Control Center located at 2502 Alameda Street. With recent increases in service, the SFMTA has higher electrical demand, which may cause a substation to experience more electrical issues.

The new units will be connected to the Power Control Center via fiber optic cables and will be activated remotely by service staff. This will reduce the response time during a power failure and quickly restore service. In addition to improving service reliability, the new units will require less maintenance demand on field staff. Under this contract, the Contractor will construct new underground conduits, and install electrical wires and new switch equipment at the five locations. The Contractor will integrate the electrical circuit and switch equipment into the SFMTA Power Controls System.

The SFMTA believes that this Project will enhance safety, improve service reliability, and reduce unscheduled delays of the 14 and 14R Mission bus lines due to electrical power issues.

**Bids Received:**

On March 1, 2019, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1314 in accordance with SFMTA Board of Directors Resolution No. 09-191, which delegated, among other things, the authority to issue bid calls.

On April 11, 2019, the SFMTA received and publicly opened two bids as follows:

<b>Bid</b>	<b>Contractor</b>	<b>Total Bid Price</b>
1	GECMS, Inc., dba Giron Construction (Giron)	\$3,094,900
2	Mitchell Engineering	\$3,129,833

The original engineer's estimate for the work was \$3 million. The low bid submitted by GECMS, Inc., dba Giron Construction (Giron) is 4.3% above 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.

The Contract requires the construction work to reach Substantial Completion within 270 days from the Notice to Proceed.

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. Giron listed the following subcontractors:

<b>Subcontractor</b>	<b>Status</b>	<b>Value</b>
McKee & Company Electric		\$1,287,050
OBS Engineering, Inc.		\$50,000

The SFMTA Contract Compliance Office (CCO) designated this Contract to be a 100% set aside for participation by certified Small Business Enterprises (SBE). On April 24, 2019, CCO determined that Giron meets the 100% SBE set-aside requirements for this Contract. The CCO also confirmed that Giron has committed to meeting the Non-discrimination Equal Employment requirements of the Contract and is in compliance with the City's Equal Benefits Ordinance.

### **BIDDER'S SAFETY RECORD**

Under the Contract, the lowest responsive and responsible bidder must meet the following requirements to demonstrate a satisfactory record of health and safety to qualify for award of the Contract.

1. In the past three years, the contractor is required to have an average workers' compensation experience modification rate (EMR) of 1.0 or less; and
2. The contractor shall not have a finding of more than a certain number of "serious," "willful," "repeat," or "serious and willful" health or safety violations/penalties from the State of California Occupational Safety and Health Administration (OSHA) or Federal OSHA based on the following:
  - a. If contractor's average gross revenue for the past three years is above \$50 million, the contractor shall not have six or more "serious," "willful," "repeat," or "serious and willful" health or safety violations/penalties from OSHA.
  - b. If contractor's average gross revenue for the past three years is below \$50 million, the contractor shall not have three or more "serious," "willful," "repeat," or "serious and willful" health or safety violations/penalties from OSHA.

The SFMTA researched Giron's health and safety record and verified that: (1) Giron's EMR for the past three years is 0.91; and (2) it did not have any health or safety violations/penalties in the past three years from OSHA. As a result, Giron satisfied the health and safety requirements, and is responsible on that basis for award of this Contract.

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## **STAKEHOLDER ENGAGEMENT**

The SFMTA staff reviewed transit impacts with Transit Operations and Maintenance-of-Way. Transit Operations expressed concern about the high volume of morning commute traffic at the five locations along Mission Street. In order to minimize the impacts to transit operation and the public, the Project team sequenced the construction work during low traffic volume periods and non-revenue service hours. The work is expected to start in August of 2019 and be completed by Spring of 2020.

SFMTA staff posted Surface Mounted Facility notices in June 2018 to each of the locations to notify the public regarding the locations of the switch units. The Project team received comments from a building developer at the intersection of 16<sup>th</sup> Street and South Van Ness Avenue. The developer requested the Project team to change the location of the switch unit so that it will not interfere with their construction and access to their project site. The Project team worked with the developer and revised the location of the switch unit. Aside from this location, the Project team did not receive any concerns or complaints from the public. The public outreach team will distribute informational flyers to residents and community stakeholders, and post customer alerts and signage during construction.

## **ALTERNATIVES CONSIDERED**

The alternative not to construct the new remotely operable switch units would result in service delays of the 14 and 14R Mission bus lines due to electrical power issues. The initial design concept considered using a wireless network to communicate with the new switch units. However, after conducting constructability and reliability reviews, the Project team decided to use fiber optic cables for communication with the switches.

## **FUNDING IMPACT**

The total Project budget is \$6,646,448. The Preliminary Engineering and Detail Design phases were funded with FTA, Bridge Tolls, and Prop K. Construction phase funding has been secured and will be funded with FTA, Bridge Tolls, and Prop K.

## **ENVIRONMENTAL REVIEW**

The proposed Project is subject to the California Environmental Quality Act (CEQA). CEQA provides a categorical exemption from environmental review for replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity as defined in Title 14 of the California Code of Regulations Section 15301.

On November 7, 2018, the Planning Department determined (Case Number 2018-014560ENV) that the proposed Project is categorically exempt from CEQA as defined in Title 14 of the California Code of Regulations Section 15301.

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The proposed action is the Approval Action under S.F. Administrative Code Chapter 31.

A copy of the CEQA determination is on file with the Secretary to the SFMTA Board of Directors, and may be found in the records of the Planning Department at 1650 Mission Street in San Francisco, and is incorporated herein by reference.

**OTHER APPROVALS RECEIVED OR STILL REQUIRED**

No other approvals are required for this Contract.

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

**RECOMMENDATION**

Staff recommends that the SFMTA Board of Directors award SFMTA Contract No. 1314, Replacement of Manual Trolley Switch System Phase 1, to GECMS, Inc., dba Giron Construction, to replace six existing manual trolley switch equipment with new remote operable units at five locations within the SFMTA traction power system, in the amount of \$3,094,900, and for a term of 270 days to Substantial Completion.

SAN FRANCISCO  
MUNICIPAL TRANSPORTATION AGENCY  
BOARD OF DIRECTORS

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

WHEREAS, San Francisco Municipal Transportation Agency (SFMTA) Contract No. 1314, Replacement of Manual Trolley Switch System Phase 1, is for the replacement and installation of new remote operable trolley switch equipment at five locations within the SFMTA traction power system; and,

WHEREAS, On October 25, 2018, the Contract Compliance Office (CCO) designated this contract as 100% set-aside for participation by Certified Small Business Enterprises (SBE); and,

WHEREAS, On March 1, 2019, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1314, Replacement of Manual Trolley Switch System Phase 1; and,

WHEREAS, On April 11, 2019, the SFMTA received and publicly opened two bids for Contract No. 1314; and,

WHEREAS, The SFMTA determined that GECMS, Inc., dba Giron Construction, was the responsible bidder that submitted the lowest responsive bid in the amount of \$3,094,900; and,

WHEREAS, The CCO reviewed the bid proposal and determined that GECMS, Inc., dba Giron Construction, meets the SBE requirements for this Contract; and,

WHEREAS, The proposed Replacement of Manual Trolley Switch System Phase 1 Project is subject to the California Environmental Quality Act (CEQA); CEQA provides a categorical exemption from environmental review for replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity as defined in Title 14 of the California Code of Regulations Section 15301; and,

WHEREAS, On November 7, 2018, the Planning Department determined (Case Number 2018-014560ENV) that the Replacement of Manual Trolley Switch System Phase 1 Project is categorically exempt from CEQA as defined in Title 14 of the California Code of Regulations Section 15301; and,

WHEREAS, A copy of the CEQA determination is on file with the Secretary to the SFMTA Board of Directors, and may be found in the records of the Planning Department at 1650 Mission Street in San Francisco, and is incorporated herein by reference; and,

WHEREAS, The proposed action is the Approval Action as defined by S.F. Administrative Code Chapter 31; now, therefore, be it

RESOLVED, That the SFMTA Board of Directors awards SFMTA Contract No. 1314, Replacement of Manual Trolley Switch System Phase 1, to GECMS, Inc., dba Giron Construction to replace six existing manual trolley switch equipment with new remote operable units at five locations within the SFMTA traction power system, in the amount of \$3,094,900, and for a term of 270 days to Substantial Completion.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of June 4, 2019.

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Secretary to the Board of Directors  
San Francisco Municipal Transportation Agency



ENCLOSURE 2

Replacement of Manual Trolley Switch System Phase 1,

San Francisco Municipal Transportation Agency, Contract No. 1314,

Project Budget and Financial Plan

<b>Cost</b>	<b>Amount</b>
Planning Phase	\$100,000
Preliminary Engineering Phase Staff Support (SFMTA and Other City Services)	\$612,500
Detail Design Phase Staff Support (SFMTA and Other City Services)	\$602,500
Construction Phase Construction Contract, Contingency, and Staff Support	\$5,331,448
<b>Total Cost</b>	<b>\$6,646,448</b>

<b>Funding</b>	<b>Amount</b>
AB664 Regional Bridge Tolls	\$1,586,868
Federal Transit Administration (FTA) Formula Funds	\$3,757,080
Prop K	\$1,302,500
<b>Total Fund</b>	<b>\$6,646,448</b>