

THIS PRINT COVERS CALENDAR ITEM NO. : 10.10

**SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**

DIVISION: Capital Programs and Construction

BRIEF DESCRIPTION:

Authorizing the Director of Transportation to execute San Francisco Municipal Transportation Agency Contract No. 1296R, Muni Metro System ATCS Subway Wiring Replacement Van Ness, with Phoenix Electric Company located at 1350 Van Dyke Avenue, San Francisco, CA as the responsible bidder that submitted the lowest responsive bid to replace Van Ness subway ATCS wiring in the amount of \$1,884,000 and for a term of 275 calendar days to substantial completion.

SUMMARY:

- On December 30, 2016, the Director of Transportation notified the Board of Directors that he had authorized a bid call for SFMTA Contract No. 1296R, Muni Metro System ATCS Subway Wiring Replacement Van Ness.
- This project will replace communications and power wiring to wayside equipment at Van Ness Station West. Wayside equipment consists of track switches, Advanced Train Control System (ATCS) axle counters, and signal heads.
- The SFMTA determined that Phoenix Electric Company is the responsible bidder that submitted the lowest responsive bid, in the amount of \$1,884,000
- Funding for construction services under this contract is provided by the Federal Transit Administration and the San Francisco County Transportation Authority.

ENCLOSURES:

1. SFMTAB Resolution
2. Project Budget & 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 execute San Francisco Municipal Transportation Agency Contract No. 1296R, Muni Metro System ATCS Subway Wiring Replacement Van Ness, with Phoenix Electric Company to replace Van Ness subway ATCS wiring in the amount of \$1,884,000 and for a term of 275 calendar days to substantial completion.

STRATEGIC PLAN GOALS AND TRANSIT FIRST POLICY PRINCIPLES

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

Strategic Plan Goals/Objectives:

Goal 1: Create a safer transportation experience for everyone.

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 3.2 Increase the transportation system's positive impact to the economy

Objective 3.3 Allocate capital resources effectively

Objective 3.4 Deliver services efficiently

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

Wiring for the ATCS, the signals and switches are routed from relay equipment rooms at various

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locations throughout the subway system to wayside equipment installed adjacent to the trackway. These wires provide power, communication and control for cable loops, axel counters, signals, switch machines and other equipment which control train movements in the Muni Metro Subway. There are several wayside locations and equipment rooms that have been compromised by water intrusion. Wiring from the Van Ness relay equipment room located in the Van Ness Station at the mezzanine level to the crossover approximately 400 feet to the west has been damaged by flooding and standing water in the junction boxes. The power for all the switches in the crossover is provided by power supply to one switch, and all others are run off that link. Improvised power supplies have been installed to power some of the axel counters as well. The Project will replace the damaged wiring and create redundant power systems to increase the safety and reliability of the ATCS.

On October 26, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for SFMTA Contract No. 1296, Muni Metro System ATCS Subway Wiring Replacement Van Ness. On December 14, 2016, the SFMTA received a single bid with a bid price approximately 50% above the City's independent cost estimate. The SFMTA examined the single bid received and determined that modifying the specifications and rebidding the project may attract additional bidders possibly resulting in lower bid prices. On December 23, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized rejection of the single bid received for SFMTA Contract No. 1296. The SFMTA formally rejected the single bid on December 28, 2016. On December 30, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call to rebid the work under Contract No. 1296R.

Scope of Contract:

The Contractor will perform the following work:

1. Replace track switch power wiring, axel counter wiring, signal heads wiring, track switch communication wiring, ATCS communication and power wiring, and emergency stop wiring.
2. Install wiring from the signal equipment room at Van Ness along the platform ceiling to wayside locations west of the Van Ness Platform.
3. Install conduit, terminal enclosures and terminal blocks to facilitate maintenance troubleshooting.
4. Test all new wiring to confirm it is properly installed and operational.
5. Create as-built drawings to reflect the new wiring installation.

The Contractor must substantially complete the work within 275 calendar days from the date of Notice to Proceed (NTP), and must finally complete all of the work within 90 calendar days from Substantial Completion. Liquidated damages to be assessed for contractor's delay in completing the Project within the specified time limits are \$3000 per calendar day of delay to substantially complete construction and \$500 per calendar day of delay in final completion of all remaining contract work

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Bids Received:

On Dec 30, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1296R, Muni Metro System ATCS Subway Wiring Replacement Van Ness, 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 Feb 2, 2017, the SFMTA received and publicly opened four bid proposals as follows:

	Bidders	Bid Amount
1	DMZ Builder	\$2,740,500
2	Pilot Construction Management Inc.	\$2,105,000
3	Rodan Builders Inc.	\$1,991,000
4	Phoenix Electric Company	\$1,884,000

The engineer’s estimate for the work was \$2,000,000. The bid submitted by the apparent low bidder is 6% below the engineer’s estimate. Staff concluded that even though some bid items came in above the engineer’s estimate, the low bid submitted by Phoenix Electric Company bidder is still responsive.

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. Phoenix Electric Company listed no subcontractors for the work.

The Contract Compliance Office reviewed the bid proposals and confirmed that Phoenix Electric Company will meet the 30 percent Small Business Enterprise (SBE) participation goal.

STAKEHOLDER ENGAGEMENT

The SFMTA’s Outreach team is developing a plan to place signs and implement other means to inform the public concerning the temporary impacts of the work at the Van Ness platform. The Outreach team will begin outreach efforts to communicate these impacts and appropriate mitigation measures one week after Notice to Proceed (NTP). Construction equipment will be staged safely at the platform and away from public areas. Impacts will be minimal at the platform level, and revenue service will not be impacted.

ALTERNATIVES CONSIDERED

The value of this contract is above the threshold established in the Administrative Code Section 6.20(a), which requires that the City to contract for work with a value greater than \$600,000. In addition, electrical wiring work is a specialized field that requires expertise not available within the SFMTA. Therefore, that the work should be contracted out.

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FUNDING IMPACT

The total project cost is \$3,458,000. Design was funded with Federal Transit Administration (FTA) formula funds and AB664 Regional Bridge Tolls. Construction funding for the project has been secured, and is funded with FTA formula funds and matching local funds from Proposition K Sales Tax dollars that are administered by the San Francisco County Transportation Authority.

ENVIRONMENTAL REVIEW

On April 1, 2016, the SFMTA, under authority delegated by the Planning Department, determined that the replacement of Van Ness subway ATCS wiring 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. No other approvals are required.

RECOMMENDATION

Staff recommends that the SFMTA Board of Directors authorize the Director of Transportation to execute San Francisco Municipal Transportation Agency Contract No. 1296R, Muni Metro System ATCS Subway Wiring Replacement Van Ness, with Phoenix Electric Company located at 1350 Van Dyke Avenue, San Francisco, CA, to replace Van Ness subway ATCS wiring in the amount of \$1,884,000 and for a term of 275 calendar days to substantial completion.

SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS

RESOLUTION No. _____

WHEREAS, San Francisco Municipal Transportation Agency (SFMTA) Contract No.1296R, Muni Metro System ATCS Subway Wiring Replacement Van Ness (“the Contract”) will replace communications and power wiring to wayside equipment consisting of track switch, Advanced Train Control System (ATCS) axel counters, and signal heads at Van Ness Station West; and,

WHEREAS, The work to be performed under the Contract is categorically exempt from CEQA: CEQA Guidelines Section 15301 Class 1(d): Restoration or rehabilitation of deteriorated or damage facilities or mechanical equipment to meet current standards of public health and safety and Class 2(c): Replacement or reconstruction of existing facilities involving negligible or no expansion of capacity. The replacements qualify as “ordinary maintenance and repairs” under Planning Code Article 10 Section 1005 (e) (3); 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, On Dec 30, 2016, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for Contract No. 1296R in accordance with Board Resolution No. 09-191, which delegates the Director of Transportation the authority to issue bid calls; and,

WHEREAS, On February 2, 2017, the SFMTA received and publicly opened four bid proposals in response to the invitation for bids; and,

WHEREAS, The SFMTA determined that Phoenix Electric Company is the responsible bidder that submitted the lowest responsive bid, in the amount of \$1,884,000; and,

WHEREAS, The Contract Compliance Office reviewed the bid proposals and confirmed that Phoenix Electric Company will meet the 30 percent Small Business Enterprise (SBE) participation goal; and,

WHEREAS, the work under Contract No. 1296R will be funded by Federal Transit Administration funds and matching local funds from the San Francisco County Transportation Authority, therefore be it

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RESOLVED, The SFMTA Board of Directors authorizes the Director of Transportation to execute San Francisco Municipal Transportation Agency Contract No. 1296R, Muni Metro System ATCS Subway Wiring Replacement Van Ness, with Phoenix Electric Company located at 1350 Van Dyke Avenue, San Francisco, CA, to replace Van Ness subway ATCS wiring, in the amount of \$1,884,000, and for a term of 275 calendar 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 February 21, 2017.

Secretary to the Board of Directors
San Francisco Municipal Transportation Agency

ENCLOSURE 2

Muni Metro System ATCS Subway Wiring Replacement Van Ness Project

Project Budget and Financial Plan

Cost	Amount
Conceptual Engineering Phase Staff Support (SFMTA and Other Dept. Services)	NA
Detail Design Phase Staff Support (SFMTA and Other Dept. Services)	\$285,000.00
Construction Phase Construction Contract, Contingency, and Staff Support	\$3,173,000.00
Total Cost	\$3,458,000.00

Funding	Amount
AB664 Regional Bridge Toll Funds	\$57,000.00
Federal Transit Administration Formula Funds	\$2,766,000.00
San Francisco County Transportation Authority Proposition K Sales Tax	\$635,000.00
Total Funding	\$3,458,000.00