

**SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**

DIVISION: Sustainable Streets

BRIEF DESCRIPTION:

Authorizing the Department of Public Works (DPW) to award DPW Contract No. 1901J: Various Locations Pedestrian Countdown Signals Contract No.1, to Phoenix Electric Company, 1350 Van Dyke Avenue, San Francisco, California 94124, for a total contract amount not to exceed \$1,172,661.

SUMMARY:

- On December 13, 2012, the San Francisco Municipal Transportation Agency (SFMTA) Board of Directors was notified that the Director of Transportation had authorized a bid call for DPW Contract No. 1901J: Various Locations Pedestrian Countdown Signals Contract No.1, for traffic signal modifications at ten intersections in San Francisco.
- Among the two bids that were received on January 30, 2013, DPW identified Phoenix Electric Company as the lowest responsive and responsible bidder with a bid of \$1,172,661 (6 percent above the engineer's estimate).
- The contract work will be funded through revenues from local vehicle registration (Proposition AA funds).
- The Contract Compliance Officer from the Human Rights Commission has reviewed this calendar item and has confirmed that Phoenix Electric Company will meet the 20 percent Local Business Enterprise subcontracting participation goal for this project.

ENCLOSURES:

1. SFMTAB Resolution
2. Project Budget and Financial Plan

APPROVALS:

DATE

DIRECTOR _____

3/12/13

SECRETARY _____

3/12/13

ASSIGNED SFMTAB CALENDAR DATE: March 19, 2013

PAGE 2.

PURPOSE:

SFMTA staff requests this Board to authorize DPW to award DPW Contract No. 1901J: Various Locations Pedestrian Countdown Signals Contract No.1, to Phoenix Electric Company, for a total contract amount not to exceed \$1,172,661.

GOAL:

On January 3, 2012, the SFMTA Board of Directors approved a new Strategic Plan for Fiscal Years 2013-2018. The SFMTA will further the following Strategic Plan goals and objectives through the award and execution of this contract:

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, and carsharing the preferred means of travel

Objective 2.3: Increase use of all non-private auto modes.

DESCRIPTION:

Scope of Work

The SFMTA Sustainable Streets Division (SSD), utilizing DPW Contract No. 1901J: Various Locations Pedestrian Countdown Signals Contract No.1 (the Contract), will perform traffic signal modifications at ten intersections in San Francisco (the Work). These intersections are as follows: 16th and Rhode Island streets; 21st Street and South Van Ness Avenue; 25th Avenue and California Street; California and Laurel streets; Fillmore and Turk streets; Franklin and Union streets; Gough and Sacramento streets; Jones and Sutter streets; Larkin and O'Farrell streets; and O'Farrell and Polk streets.

The Work involves the installation of new wiring, conduits, poles, traffic signal controllers, vehicle signals, pedestrian signals with countdown timers, and Americans with Disabilities Act (ADA) compliant curb ramps. The Work is more specifically described in the Project Manual for the Contract and the accompanying contract plans and miscellaneous reference drawings (which are voluminous documents and are available for inspection at DPW's Bureau of Engineering, 30 Van Ness Avenue, 5th Floor, San Francisco, California, 94103).

The SFMTA SSD selected these locations to improve vehicle and pedestrian safety based on the presence of public transit vehicles and heavy vehicle and pedestrian traffic.

The Work is designed to improve safety by seeking to reduce the frequency of right angle collisions, improving right of way assignment for vehicles and pedestrians, and allowing minor side street vehicle and pedestrian traffic to enter or cross the major street with less difficulty.

PAGE 3.

The project is categorically exempt under the California Environmental Quality Act.

SFMTA SSD staff performed the initial conceptual design and most of the detailed electrical design for this contract. DPW staff performed the detailed electrical design review, contract preparation, and contract advertising. DPW staff will also provide construction management services.

The time allotted for substantial completion of the Work is 270 calendar days from the written Notice to Proceed. Liquidated damages are \$1,500 per day for contractor's delay that results in failure to complete the Work on time.

Solicitation for Bids and Bid Opening

On December 13, 2012, the SFMTA Board was notified that the Director of Transportation had authorized a bid call for the Contract.

On December 12, 2012, the City placed public advertisements for the Contract in the San Francisco Chronicle and the Small Business Exchange. In addition, the public advertisement was listed until the day of the bid opening on the City's internet website at <http://www.sfgov.org/oca/purchasing>.

On January 30, 2013, DPW received and publicly opened the following two bids for the Contract:

- Phoenix Electric Company
1350 Van Dyke Avenue
San Francisco, California 94124
Bid Amount: \$1,172,661

- Bay Area Lightworks Company
1460 Yosemite Avenue
San Francisco, CA 94124
Bid Amount: \$ 1,319,988

As the lowest responsive and responsible bidder, staff recommends awarding to Phoenix Electric Company in the amount of \$1,172,661. The engineer's detailed cost estimate for the work was \$1,105,701. This bid is six percent above the engineer's estimate.

Phoenix Electric Company is a responsible contractor with extensive experience in traffic signal installations in the City. Phoenix Electric Company has completed the following recent Sales Tax funded traffic signal contracts: DPW Contract No. 1499J Contract 59: New Traffic Signals (completed February 2010) and DPW Contract No. 1099J: SFgo Various Locations Contract 1 (completed March 2011). Phoenix was also a subcontractor for the Muni Contract No. 1250: Third Street Light Rail Program Phase 2 Central Subway Moscone Station and Portal Utilities Relocation (completed September 2011).

PAGE 4.

In its bid for DPW Contract No. 1901J, Phoenix Electric Company listed the following subcontractors:

- Alta Engineering (San Francisco, CA)
- A. Ruiz Construction (San Francisco, CA)
- North Tipp Construction (San Francisco, CA)
- Sullivan's Concrete Sawing (San Francisco, CA)

ALTERNATIVES CONSIDERED:

Instead of contracting out using the competitive bid process for the Contract, the following alternatives were also considered but not selected:

- No build option – This option was not chosen because traffic signal modifications such as the installation of new pedestrian countdown signals at key intersections have been found to enhance safety. Also, replacement of existing equipment such as poles, signal heads, conduits, wiring, and signal controllers using a construction contract was found to be the best option because most existing equipment was nearing or exceeding its typical useful life. Some existing poles such as streetlight poles were reused when possible.
- Rebidding and/or renewing an existing contract – This option does not apply to this Contract.
- Use of SFMTA in-house staff – Implementation of traffic signal modifications through the use of in-house staff was found to not be feasible. SFMTA in-house staff such as the SSD Traffic Signal Shop are primarily staffed and equipped to perform maintenance of existing traffic signals.

Staff concluded that contracting out through the use of the competitive bidding process was the best alternative to proceed with the construction of the Contract. Historically, contracting out via competitive bidding has been the primary way that traffic signal modifications have been implemented in the City; SSD has found this method to be a cost-effective and efficient way to implement traffic signal modifications.

FUNDING IMPACT:

The Work is funded through revenues from local vehicle registration (Proposition AA funds) and local sales tax (Proposition B redirected funds). Please refer to the attached Project Budget and Financial Plan – Enclosure 2, for details.

For the design phase of this project, the San Francisco County Transportation Authority (SFCTA) approved \$234,413 from local sales tax revenues (Proposition B redirected funds)

For the construction phase of this project, the SFCTA approved \$1,683,000 from local vehicle registration revenues (Proposition AA funds)

Operating funds required for the maintenance of traffic signals to be constructed under the Contract are included in the SFMTA SSD budget for FY 2013-2014.

PAGE 5.

OTHER APPROVALS RECEIVED OR STILL REQUIRED:

The Contract Compliance Officer from the Human Rights Commission has reviewed this calendar item and has confirmed that Phoenix Electric Company will meet the 20 percent Local Business Enterprise (LBE) subcontracting participation goal for this project.

DPW will proceed to award the Contract following the SFMTA Board's approval of this calendar item.

The City Attorney's Office has reviewed this report.

RECOMMENDATION:

Staff recommends that the SFMTA Board of Directors authorize DPW to award DPW Contract No. 1901J: Various Locations Pedestrian Countdown Signals Contract No.1, to Phoenix Electric Company, 1350 Van Dyke Avenue, San Francisco, California 94124, for a total contract amount not to exceed \$1,172,661.

SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY
BOARD OF DIRECTORS
RESOLUTION No. _____

WHEREAS, The San Francisco Municipal Transportation Agency's (SFMTA) Sustainable Streets Division (SSD) identifies intersections for traffic signal modifications to be funded by Proposition AA Vehicle Registration revenues, local vehicle registration fees approved by the voters of the City and County of San Francisco in 2009; and,

WHEREAS, SSD has identified the following ten intersections for traffic signal modifications to improve vehicle and pedestrian safety based on the presence of public transit vehicles, and heavy vehicle and pedestrian traffic: 16th and Rhode Island streets; 21st Street and South Van Ness Avenue; 25th Avenue and California Street; California and Laurel streets; Fillmore and Turk streets; Franklin and Union streets; Gough and Sacramento streets; Jones and Sutter streets; Larkin and O'Farrell streets; and O'Farrell and Polk streets (the Work); and,

WHEREAS, SSD proposes to perform the Work under Department of Public Works (DPW) Contract No. 1901J: Various Locations Pedestrian Countdown Signals Contract No.1 (the Contract); and,

WHEREAS, The Work involves the installation of new wiring, conduits, poles, traffic signal controllers, vehicle signals, pedestrian signals with countdown timers, and Americans with Disabilities Act (ADA) compliant curb ramps; and,

WHEREAS, The Work will be funded through revenues from local vehicle registration fees (Proposition AA funds) and local sales taxes (Proposition B redirected funds); and,

WHEREAS, On December 13, 2012, the SFMTA Board of Directors was notified that the Director of Transportation had authorized a bid call for the Contract; and,

WHEREAS, The City advertised bids the Contract and received two bids, which were opened publicly on January 30, 2013; and,

WHEREAS, DPW has determined that Phoenix Electric Company is the lowest responsive and responsible bidder, with a bid of \$1,172,661; and,

WHEREAS, The Contract Compliance Officer from the Human Rights Commission has confirmed that Phoenix Electric Company will meet the established Local Business Enterprise subcontracting participation goal of 20 percent for this contract; now, therefore, be it

RESOLVED, That the San Francisco Municipal Transportation Agency Board of Directors authorizes the Department of Public Works to award DPW Contract No. 1901J: Various Locations Pedestrian Countdown Signals Contract No.1, to Phoenix Electric Company, 1350 Van Dyke Avenue, San Francisco, California 94124, for a total contract amount not to exceed \$1,172,661 for a contract duration of 270 calendar days.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of March 19, 2013.

Secretary to the Board of Directors
San Francisco Municipal Transportation Agency

ENCLOSURE 2
DEPARTMENT OF PUBLIC WORKS
CONTRACT NO. 1901J: VARIOUS LOCATIONS PEDESTRIAN COUNTDOWN
SIGNALS CONTRACT NO.1

PROJECT BUDGET AND FINANCIAL PLAN

PROJECT BUDGET

Category	Budget Amount
SFMTA SSD Transportation Engineering & DPW Bureau of Engineering (Design, Planning Coordination, & Detailed Electrical Design)	\$234,413
Construction Contract Cost, 10 percent Construction Cost Contingency, and Other Direct and Indirect Costs.	\$1,683,000
TOTAL (DESIGN AND CONSTRUCTION PHASES)	\$1,917,413

FINANCIAL PLAN

Funding Source	Amount	Percentage
Local sales tax revenues (Proposition B redirected funds)	\$234,413	12.23%
Local vehicle registration revenues (Proposition AA funds)	\$1,683,000	87.77
TOTAL	\$1,917,413	100%