

THIS PRINT COVERS CALENDAR ITEM NO. : 10.7

**SAN FRANCISCO
MUNICIPAL TRANSPORTATION AGENCY**

DIVISION: Sustainable Streets

BRIEF DESCRIPTION:

Authorizing the Department of Public Works (DPW) to award DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals, to Bay Area Lightworks, Inc., 1460 Yosemite Avenue, San Francisco, California 94124, to install new traffic signals at three intersections for a total contract amount not to exceed \$561,105 and for a contract term not to exceed 120 days.

SUMMARY:

- On March 25, 2013, the Director of Transportation notified the San Francisco Municipal Transportation Agency (SFMTA) Board of Directors that he had authorized a bid call for DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals, for traffic signal work at three intersections.
- The engineer's detailed cost estimate for the work was \$540,763.
- Among the four bids that were received, DPW identified Bay Area Lightworks, Inc. as the lowest responsive and responsible bidder with a bid of \$561,105 (less than four percent above the engineer's estimate).
- The contract work will be funded through a federal grant (Highway Safety Improvement Program (HSIP), local sales taxes (Proposition K funds), and local bonds (General Obligation Proposition B funds).
- The Contract Compliance Officer from the Human Rights Commission has confirmed that Bay Area Lightworks, Inc. will meet the 20 percent Disadvantaged Business Enterprise (DBE) subcontracting participation goal for this project.

ENCLOSURES:

1. SFMTAB Resolution
2. Project Budget and Financial Plan

APPROVALS:

DATE

DIRECTOR _____

May 28, 2013

SECRETARY _____

May 28, 2013

ASSIGNED SFMTAB CALENDAR DATE: June 4, 2013

PAGE 2.

PURPOSE

SFMTA staff requests this Board to authorize DPW to award DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals, to Bay Area Lightworks, Inc., 1460 Yosemite Avenue, San Francisco, California 94124, for a total contract amount not to exceed \$561,105 and for a contract term not to exceed 120 days.

GOAL

The SFMTA will further the following goals and objectives of the Strategic Plan 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 , utilizing DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals, will perform new traffic signal installations at three intersections in San Francisco (the Work). These intersections are as follows: Kirkham Street and Sunset Boulevard; Santiago Street and Sunset Boulevard; and Sunset Boulevard and Ulloa Street.

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 “Sunset Boulevard New Traffic Signals Contract No. 2109J Project Manual”. The accompanying contract plans and miscellaneous reference drawings which are available for inspection at DPW's Bureau of Engineering, 30 Van Ness Avenue, 5th Floor, San Francisco, California.

The SFMTA 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.

The project is categorically exempt under the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA).

PAGE 3.

SFMTA 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 120 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 March 25, 2013, the Director of Transportation notified the SFMTA Board that he had authorized a bid call for DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals, for new traffic signal installations at three intersections in San Francisco.

On March 30, 2013, the City solicited bids through public advertisements 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.

On May 1, 2013, DPW received and publicly opened the following four bids for DPW Contract No. 2109J:

- Bay Area Lightworks, Inc.
1460 Yosemite Avenue
San Francisco, CA 94124
Bid Amount: \$561,105

- Phoenix Electric Company
1350 Van Dyke Avenue
San Francisco, CA 94124
Bid Amount: \$623,735.00

- Steiny and Company, Inc.
27 Sheridan Street
Vallejo, CA 94590
Bid Amount: \$684,570.50

- Shimmick Construction Company, Inc.
8201 Edgewater Drive, Suite 202
Oakland, California 94621
Bid Amount: \$914,110.00

As the lowest responsive and responsible bidder, staff recommends awarding to Bay Area Lightworks, Inc. in the amount of \$561,105. This bid is less than four percent above the engineer's estimate.

PAGE 4.

Bay Area Lightworks, Inc. is a responsible contractor with extensive experience in traffic signal installations in the City. Bay Area Lightworks has completed or is in the process of completing the following recent traffic signal contracts: DPW Contract No. 0985J: Contract 32 Traffic Signal Modifications (completed October 2009), DPW Contract No. 1577J: Accessible Pedestrian Signal (APS) Pole & Conduit Installation (completed December 2009), DPW Contract No. 1734J: Clarendon Avenue and Panorama Drive – New Traffic Signals (completed December 2010), SFMTA Contract No. 1235: Saint Francis Circle Rail Replacement Project (completed March 2011), DPW Contract No. 1685J: Van Ness Corridors Project – Gough Street (completed January 2012), and DPW Contract No. 1984J: Sunset Boulevard Pedestrian Countdown Signals (currently under construction).

In its bid for DPW Contract No. 2109J, Bay Area Lightworks, (a DBE contractor) listed the following subcontractors:

- North Tipp Construction
- Wesco Distribution
- CMC Construction (DBE)

ALTERNATIVES CONSIDERED

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

- No-build option – This option was not chosen because new traffic signal installations at key intersections have been found to enhance safety.
- Rebidding and/or renewing an existing contract – This option does not apply to Contract No. 2109J.
- Use of SFMTA in-house staff – Implementation of traffic signal installations 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 for the construction of DPW Contract No. 2109J. Historically, contracting out via competitive bidding has been the primary way that new traffic signal installations have been implemented in the City; SSD has found this method to be a cost-effective and efficient way to implement new traffic signal installations.

FUNDING IMPACT

The Work is funded through a federal grant (HSIP), local sales taxes (Proposition K funds), and local bonds (General Obligation Proposition B funds). Please refer to the attached Project Budget and Financial Plan – Enclosure 2, for details.

PAGE 5.

For the design phase of this project, Caltrans and the Federal Highway Administration (FHWA) approved \$144,000 from a federal grant (HSIP) and San Francisco County Transportation Authority (SFCTA) approved \$45,000 from local sales taxes (Proposition K funds).

For the construction phase of this project, Caltrans and the Federal Highway Administration (FHWA) approved \$625,000 from a federal grant (HSIP) and SFCTA approved \$216,000 from local sales taxes (Proposition K funds). SFMTA will use \$60,000 in local bonds (General Obligation Proposition B funds) to fund the installation of new controller cabinets at the three intersections.

Operating funds required for the maintenance of traffic signals to be constructed as part of DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals are included in the SFMTA's FY2014 Operating Budget.

OTHER APPROVALS RECEIVED OR STILL REQUIRED

The Contract Compliance Officer from the Human Rights Commission has reviewed this calendar item and has confirmed that Bay Area Lightworks, Inc. meets the 20 percent Disadvantaged Business Enterprise (DBE) subcontracting participation goal for this project.

DPW will proceed to award DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals following the SFMTA Board approval.

RECOMMENDATION

Staff recommends that the SFMTA Board of Directors authorize DPW to award DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals to Bay Area Lightworks, to install new traffic signals at three intersections for a total contract amount not to exceed \$561,105 and for a contract term not to exceed 120 days.

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 new traffic signal installations to be funded by federal and local funds; and,

WHEREAS, The SFMTA has identified the following three intersections for new traffic signals to improve vehicle and pedestrian safety based on the presence of public transit vehicles and heavy vehicle and pedestrian traffic: Kirkham Street and Sunset Boulevard; Santiago Street and Sunset Boulevard; and Sunset Boulevard and Ulloa Street (the Work); and,

WHEREAS, The SFMTA proposes to perform the Work under Department of Public Works (DPW) Contract No. 2109J: Sunset Boulevard New Traffic Signals; 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 a federal grant (Highway Safety Improvement Program), local sales taxes (Proposition K funds), and local bonds (General Obligation Proposition B funds); and,

WHEREAS, On March 25, 2013, the Director of Transportation notified the SFMTA Board of Directors that he had authorized a bid call for DPW Contract No. 2109J: Sunset Boulevard New Traffic Signals; and,

WHEREAS, The City advertised bids for DPW Contract No. 2109J and received four bids, which were opened publicly on May 1, 2013; and,

WHEREAS, DPW has determined that Bay Area Lightworks, Inc. is the lowest responsive and responsible bidder, with a bid of \$561,105; and,

WHEREAS, The Contract Compliance Officer from the Human Rights Commission has confirmed that Bay Area Lightworks, Inc. meets the established Disadvantaged 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 No. 2109J: Sunset Boulevard New Traffic Signals, to Bay Area Lightworks, Inc., 1460 Yosemite Avenue, San Francisco, California 94124, to install new traffic signals at three intersections for a total contract amount not to exceed \$561,105 and for a contract term not to exceed 120 days.

I certify that the foregoing resolution was adopted by the San Francisco Municipal Transportation Agency Board of Directors at its meeting of June 4, 2013.

Secretary to the Board of Directors
San Francisco Municipal Transportation Agency

ENCLOSURE 2
DEPARTMENT OF PUBLIC WORKS
CONTRACT NO. 2109J: SUNSET BOULEVARD NEW TRAFFIC SIGNALS

PROJECT BUDGET AND FINANCIAL PLAN

PROJECT BUDGET

Category	Budget Amount
Design Engineering (SFMTA SSD and DPW)	\$189,000
Construction Contract Cost	\$561,105*
Contract Contingency (10% of Engineer's Estimate)	\$56,111
Agency-furnished Traffic Signal Hardware	\$60,000
Construction Engineering	\$224,284
TOTAL (DESIGN AND CONSTRUCTION PHASES)	\$1,090,500

*Engineer's Estimate was \$540,763

FINANCIAL PLAN

Funding Source	Amount	Percentage
Federal Grant (Highway Safety Improvement Program)	\$769,500	70.56%
Local sales tax revenues (Proposition K funds)	\$261,000	23.94%
Local bonds (General Obligation Proposition B funds)	\$60,000	5.50%
TOTAL	\$1,090,500	100%