



COUNCIL AGENDA: 12-10-19
FILE: 19-1167
ITEM: 4.4

Memorandum

TO: HONORABLE MAYOR
AND CITY COUNCIL

FROM: Matt Cano
John Ristow
Jacky Morales-Ferrand

SUBJECT: SEE BELOW

DATE: November 18, 2019

Approved

Date

COUNCIL DISTRICT: 5

**SUBJECT: AWARD OF CONTRACT FOR THE 8267 – TRAFFIC SIGNAL
MODIFICATION AT KING ROAD AND SAN ANTONIO STREET**

RECOMMENDATION

Report on bids and award of contract for the 8267 – Traffic Signal Modification at King Road and San Antonio Street to the low bidder, Columbia Electric, Inc., in the amount of \$1,094,851 and approval of a 5 percent contingency in the amount of \$54,743.

OUTCOME

Award of the construction contract to Columbia Electric, Inc. to enable the King Road and San Antonio Street Signal Modification Project to proceed. Approval of the five percent contingency will provide funding for any unanticipated work necessary for the proper completion of the project.

BACKGROUND

King Road is a Vision Zero priority safety corridor. This roadway serves as the primary pedestrian, bicycle, and transit route for the Five-Wounds/Brookwood Terrace, Gateway East, and Mayfair neighborhoods. There are schools, neighborhood parks, and commercial establishments located along or near this heavily-traveled pedestrian and bicycle corridor. King Road also serves as a key transit route served by the VTA 522 line, which has the third highest transit ridership in the County. Additionally, San Antonio Street serves as a critical east-west

bicycle route, with future projects planned to improve bicycle facilities along this roadway. The King Road/San Antonio Street intersection serves as an important junction between these two corridors.

Between August 1, 2013, and July 31, 2016, there were 24 total crashes at the intersection, with 3 of these being head-on collisions and 9 resulting in injuries. DOT identified a two-stage traffic signal improvement plan to reduce traffic collisions and improve intersection safety. In August 2016, DOT performed a low-cost traffic signal modification to enable the eastbound and westbound movements on San Antonio St. to be served separately. In the 36 months following this operational change, both total crashes and injury crashes were reduced by approximately one-third, while head-on crashes were eliminated. The second stage of the project focuses on creating a more pedestrian and bicycle-friendly intersection, and is more significant in improvement scope.

The Department of Transportation(DOT) sought Federal funds from the City's Housing Department through the Community Development Block Grant (CDBG) Program to create a "Complete Street" intersection that aims to make streets safer for all modes of travel. City Council adopted the Complete Street Design Guidelines in 2018. This project will upgrade the entire traffic signal system at this intersection up to current design standards. The signal will also operate more efficiently to serve all modes of travel.

The project scope includes modifying the existing traffic signal system at the intersection of King Rd. and San Antonio St. by replacing the existing traffic signal equipment, removing the eastbound right turn pocket on San Antonio Street, adding detached curb extensions on the north west and south east corners, adding six (6) new ADA compliant ramps, relocating utilities, e.g., fire hydrant, utility boxes and adding new signage and traffic markings. This project is funded through HUD and City Funding.

The project will provide improved connectivity for bicycles between the identified bike networks along King Road and San Antonio Street. Physical infrastructure improvements are incorporated into the intersection to increase the safety and comfort of bicyclists and pedestrians as they navigate the intersection.

Construction is scheduled to begin in May 2020 with completion expected in August 2020.

ANALYSIS

On July 11, 2018, the City received a total of two bids with the following results:

<u>Contractor</u>	<u>Bid Amount</u>	<u>Variance Amount</u>	<u>Over/ (Under) Percent</u>
Engineer's Estimate	\$ 671,905.00	---	---
Columbia Electric (San Leandro, CA)	\$1,094,850.60	\$ 422,945.60	62.9%
St. Francis Electric (San Leandro, CA)	\$1,113,310.00	\$ 441,405.00	65.7%

The low bid by Columbia Electric is 62.9% above the Engineer's Estimate. The Variance between the Engineer's Estimate and the low bid can be attributed to higher costs for the following items: Traffic Signal System (poles, foundations, conduits, conductors, pullboxes and video detection), demolition, clearing and grubbing and disposal, signage and pavement markings, and temporary Traffic Control.

The estimates for the electrical items for this project were determined to be outdated and, since the bid opening, have been updated to more accurately reflect the current market.

In addition, the limited availability of electrical contractors for signal projects has resulted in premium pricing for electrical items. Considering all these factors, the bid is considered acceptable for the work involved in the project.

Columbia Electric, Inc has worked on several City traffic signal projects over the last six years either as a City-hired contractor or on private development projects that have installed traffic signals. This contractor is very familiar with City construction requirements and standards.

Section 27.04.050 of the San Jose Municipal Code provides that the standard contingency for all public works projects, except those involving a building renovation, cannot exceed 10 percent of the total contract amount. The requested contingency of 5 percent is consistent with Section 27.04.050 and should be sufficient for this project.

Project Labor Agreement Applicability

A Project Labor Agreement (PLA) is not applicable to this project as the Engineer's Estimate is under \$3,000,000.

Local and Small Business Outreach

The recommended contractor is located in San Leandro, California, and has more than thirty employees, thus it does not meet the requirements for consideration as either a local or small business contractor. In order to facilitate local and small business participation on this project, the following actions were taken: During the design, the project engineers separated the following items for subcontracting opportunities: street clean-up, pavement improvement, sidewalk improvement, storm drain facilities improvement, traffic signage and striping work, and electrical work in order to facilitate the ability for more local contractors to bid on the project. Columbia Electric has listed two subcontractors on their bid documents, Chrisp Company from Fremont and Golden Bay from Hayward.

CONCLUSION

The construction contract should be awarded to Columbia Electric, Inc., whose low bid is reasonable based on the current bidding environment. This action will allow for the

modification of the existing traffic signal at King Road and San Antonio Street to improve safety, accessibility, and efficiency for all modes of travel.

EVALUATION AND FOLLOW-UP

No additional follow up action with the City Council is expected.

CLIMATE SMART SAN JOSE

The recommendation in this memo aligns with one or more Climate Smart San Jose energy, water or mobility goals.

PUBLIC OUTREACH

To solicit contractors, this project was listed on Biddingo and advertised in *San Jose Post Record*, as well as publications in 4 other languages: *Vietnamese Daily Newspaper*, *the El Observador*, *World Journal* and *Philippines Today*. The complete bid package and project information for all Department of Public Works construction projects are available on Biddingo for interested contractors, contractor organizations, and builders' exchanges.

During the initial design phase, DOT staff presented information on the proposed project design and solicited feedback at a Mayfair Neighborhood Association community meeting on May 24,

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2017. DOT subsequently followed that meeting with a community leader representative focus meeting on June 7, 2017, to further discuss project details and gain a deeper understanding of the specific concerns of residents and businesses. Participants included members from: SOMOS Mayfair, School of Arts and Culture, Grail Family Services, and Veggielution. O9 Community input was considered and addressed in the project where appropriate. On May 30, 2019, DOT staff provided a final community presentation to communicate the completed project design.

DOT staff will also conduct a community survey both before and after project construction to poll residents on their use and comfort with the intersection.

City staff and the contractor will continue public outreach to the affected neighborhoods and businesses prior to and during construction.

This memorandum will be posted on the City's website for the December 10, City Council Agenda.

COORDINATION

This project memorandum has been coordinated with the City Attorney's Office and the City Manager's Budget Office.

COMMISSION RECOMMENDATION/INPUT

No commission recommendation or input is associated with this action.

FISCAL/POLICY ALIGNMENT

The project aligns with the Transportation and Aviation Services CSA outcomes to provide viable transportation choices that promote a strong economy and to provide a transportation system that enhances community livability. The project adheres to San José Complete Streets Design Standards & Guidelines to build streets that safely accommodate all modes of travel.

COST SUMMARY/IMPLICATIONS

1. AMOUNT OF RECOMMENDATION/COST OF PROJECT:

Project Delivery	\$ 655,878*
Construction	1,094,851
Contingency	54,742
TOTAL PROJECT COSTS	\$1,805,471
Prior Cost Expenditures (thru September 2019)	(\$ 478,057)
REMAINING PROJECT COSTS	\$1,327,414

* Project Delivery includes \$478,057 for Design Services and \$177,821 for Construction Management and Inspection Services.

2. COST ELEMENTS OF CONTRACT:

Traffic Control	\$ 154,273
Water Pollution Control	28,500
Storm Drain Facilities	60,060
Concrete Work	101,332
Asphalt Concrete Pavement	102,311
Traffic Signage and Striping Work	120,445
Electrical Work	527,930
TOTAL AGREEMENT/CONTRACT AMOUNT	\$1,094,851

3. SOURCE OF FUNDING: 441 - Community Development Block Grant Fund
429 - Building and Structure Construction Tax Fund

The breakdown of the total original approved project funding \$480,000 for in-house personnel costs and \$800,000 for construction and is budgeted in the Transportation Neighborhood Infrastructure Improvements appropriation in the Community Development Block Grant Fund. The construction contract amount is \$294,851 higher than the original funding due to bids coming in higher than the estimate. This additional amount of \$294,851 is also funded from the Transportation Neighborhood Infrastructure Improvements appropriation as aligned with the 2019-2020 Annual Action Plan. The Traffic Signal Modification appropriation in the Building and Structure Construction Tax Fund will be used to cover approximately \$395,000 in staffing costs to cover costs related to a redesign of the project.

4. FISCAL IMPACT: There is no fiscal impact as a result of this traffic signal modification since the Department of Transportation has already budgeted for the operation and maintenance of this signal.

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BUDGET REFERENCE

The table below identifies the fund and appropriations to fund the contract recommended as part of this memorandum. The Traffic Signal Modification appropriation in the Building and Structure Construction Tax Fund will be used to cover approximately \$395,000 in staffing costs.

Fund #	Appn #	Appn. Name	Current Total Appn	RC No.	Amt. for Contract	2019-2020 Adopted Operating Budget Page	Last Budget Action (Date, Ord. No.)
441	7479	Transportation Neighborhood Infrastructure Improvements	1,410,000	185525	1,094,851	X - 16	6/18/19, 30286

CEQA

Categorically Exempt, CEQA Guidelines Section 15301(c), Existing Facilities, File No. PP18-029.

/s/
MATT CANO
Director of Public Works

/s/
JOHN RISTOW
Director of Transportation

/s/
JACKY MORALES-FERRAND
Director of Housing

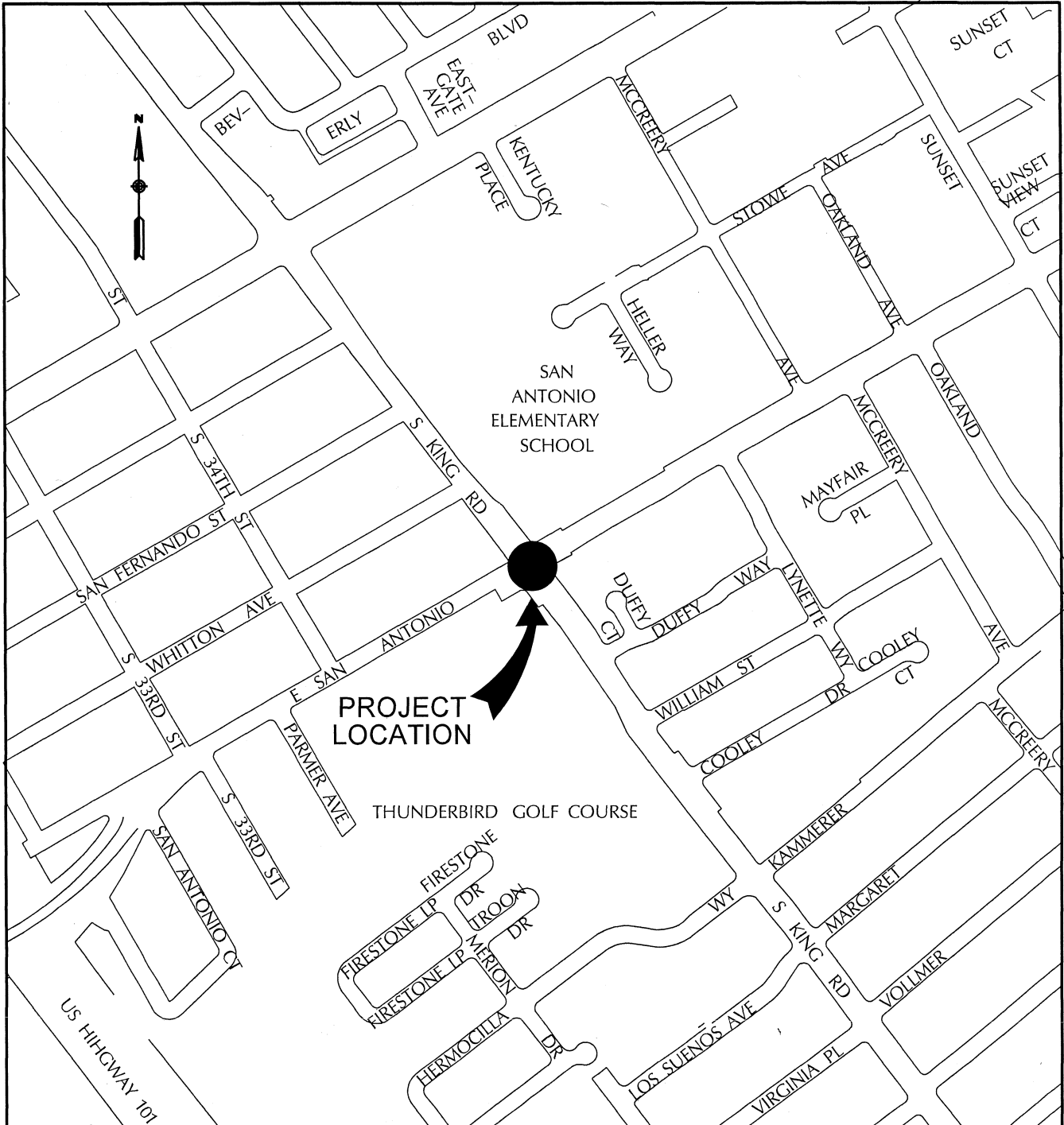
For questions, please contact Michael O'Connell, Deputy Director, Public Works Department, at (408) 535-8300.

Attachment: Location Map

LOCATION MAP

PROJECT: TRAFFIC SIGNAL MODIFICATION AT
KING RD AND SAN ANTONIO ST

LOCATED AT THE INTERSECTION OF
KING ROAD AND SAN ANTONIO STREET
CD: #5



LOCATION MAP
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