



City of Emeryville

CALIFORNIA

MEMORANDUM

DATE: March 19, 2019

TO: Christine Daniel, City Manager

FROM: Andrew Clough, Public Works Director

SUBJECT: Resolution Of The City Council Of The City of Emeryville Appropriating In Fiscal Year 2018/2019 Amounts Of \$44,000 From Measure B – VLF (Fund #238) And \$32,000 From Measure BB – Bicycle and Pedestrian (Fund #264); Re-Allocating In Fiscal Year 2018/2019 An Amount Of \$64,995 From CIP No. 15240017; Increasing Appropriations In Fiscal Year 2018/2019 By \$20,455 From 1999 Bond Funds (Fund #444); And Authorizing The City Manager To Enter Into A Contract With Ray's Electric In An Amount Not To Exceed \$719,500 For The Construction Of Traffic Signals At 40th Street – Harlan Street And Powell Street – Doyle Street, Project No. EPW 17-113, CIP No. 03444125 And 16475001

RECOMMENDATION

Staff recommends that the City Council of the City of Emeryville adopt the above entitled resolution.

BACKGROUND

As a condition of the East Bay Bridge project, the developer deposited \$70,000 (now accumulated to approximately \$120,000) into a special City account for the future installation of a pedestrian traffic signal at the intersection of Haven Street and 40th Street or Harlan Street and 40th Street. The City has determined that a traffic signal at Harlan Street and 40th Street with a pedestrian crossing component now meets the required traffic signal warrant needed for the installation of the traffic signal.

With the completion of the Parkside Residential project, a traffic signal at the intersection of Powell and Doyle Street is warranted. In addition, the General Plan includes the extension of the bicycle boulevard on Doyle Street from 59th Street to Stanford Avenue. A signalized crossing at the intersection of Powell and Doyle Street is warranted for safe bicycle crossing.

Each traffic signal will provide improved detection for bicyclists by utilizing video detection. Standard loop detectors in the roadway pavement use a magnetic field for detection and will not detect a bicycle with an aluminum or carbon frame. The city receives a lot of complaints from cyclists regarding not being detected by various traffic signals.

This project will help in achieving goals from the City's Pedestrian and Bicycle Plan (May 2012). As part of the plan, one of the key goals identified was for improved signal detection for bicyclists. Per Policy 3.9, "all signals shall have functioning bicycle

detection and signal timing should be long enough to allow bicyclists to clear the intersection. The City will use the best technology as feasible to create the shortest possible delay for bicyclists.”

Additionally, communications equipment will be added at these intersections in order to help expand on the traffic signal network infrastructure that was installed as part of Alameda County's I-80 Smart Corridor Project. With this equipment, it will be possible to relay traffic information such as vehicular count data and signal timing data back to City Hall to help staff improve mobility within the traffic network.

DISCUSSION

On December 5, 2019, the Emeryville City Council approved the project scope of work, for the construction of Traffic Signals at 40th Street – Harlan Street and Powell Street – Doyle Street, Project No. EPW 17-113, CIP No. 03444125 And 16475001, found the project to be exempt under California Environmental Quality Act Guideline 15301(c), and authorized Public Bidding of the project once the plans and specifications were approved by the City Engineer(Resolution 17-185).

The Project was advertised on January 3, 2019 and the bids opened on January 30, 2019. The project received a total of seven (7) bids.

Ray's Electric submitted the lowest responsive bid in the amount of \$719,500. The amount of the proposed contract Ray's Electric is 17.18% greater than the Engineer's Estimate of \$614,000.00.

FISCAL IMPACT

The Capital Improvement Program that was adopted in September 2017 includes \$152,000 in 1999 Bond Funds (Fund #444), \$140,908 in Catellus Developer Contributions (Fund #215), \$289,500 in Traffic Impact Fees (Fund #250), and \$6,550 in Developer Contribution Funds (Fund #473) for CIP Projects No. 03444125 and 16475001. Since the budget adoption, only \$120,000 is now available in the Catellus Developer Contributions (Fund #215).

The Capital Improvement Program also encumbered \$64,995 into CIP Project No. 15240017 (PB-05 “Bicycle and Pedestrian Plan Implementation”) from Measure BB – Bicycle and Pedestrian (Fund #264). Both signals being constructed with this project implement items and goals from the Bicycle and Pedestrian Plan, so the funds are requested to be re-allocated to this project.

The City has balances rolled over from past years and incoming revenues during the 2018/2019 Fiscal Year in the following funds that will also be used on this project:

Measure B – VLF (Fund #238)	\$ 44,000
Measure BB – Bicycle and Pedestrian (Fund #264)	\$ 32,000
1999 Bond Funds (Fund #444)	\$ 20,455

The Measure B/BB/VLF funds need to be spent in order to comply with ACTC's schedule for spending the funds.

The following estimated costs have been identified:

Estimated Costs:

Construction Contract (Ray's Electric)	\$ 719,500
Construction Inspection	\$ 10,000
Estimated Total Cost	\$ 729,500

Funding Sources for CIP Project No. 03444125 and 16475001:

Existing

1999 Bond Funds (Fund #444)	\$ 152,000
Catellus Developer Contributions (Fund #215)	\$ 120,000
Traffic Impact Fees (Fund #250)	\$ 289,500
Developer Contribution Funds (Fund #473)	\$ 6,550

New

Measure B – VLF (Fund #238)	\$ 44,000
Measure BB – Bicycle and Pedestrian (Fund #264)	\$ 32,000
Re-allocation from CIP No. 15240017 (Fund #264)	\$ 64,995
1999 Bond Funds (Fund #444)	\$ 20,455
Funding Total	\$ 729,500

It is proposed that the funding sources be appropriated as shown above to fully fund the construction of the Traffic Signals at 40th Street – Harlan Street and Powell Street – Doyle Street, Project No. EPW 17-113, CIP No. 03444125 And 16475001.

STAFF COMMUNICATION WITH THE PUBLIC

This project has been discussed at various Bicycle and Pedestrian Advisory Committee and Public Works/Transportation Committee Meetings from 2017 to 2019.

CONCLUSION

Staff concludes that it is in the public's interest for City Council to adopt the above entitled resolution.

PREPARED BY: Ryan O'Connell, Senior Civil Engineer, Public Works

**APPROVED AND FORWARDED TO THE
CITY COUNCIL OF THE CITY OF EMERYVILLE:**



Christine Daniel, City Manager

ATTACHMENTS

- Draft Resolution
- Exhibit A – Ray's Electric Construction Contract
- Exhibit B – Project Overview Map