



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 Accepting The Video Detection Traffic Signal Enhancement Project, EPW 17-101 (CIP No. 15475006), As Complete And Authorizing The City Engineer To File A Notice Of Completion With The Alameda County Clerk**

RECOMMENDATION

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

BACKGROUND

The Capital Improvement Program (CIP) adopted by the City Council in June 2016 included funding for the Video Detection Traffic Signal Enhancement Project, CIP No. 15475006. The Project installed video detection at existing City owned traffic signals that had not yet been upgraded to video detection.

This project provides improved detection for bicyclists at City operated traffic signals. 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 numerous complaints from cyclists regarding not being detected by various traffic signals. Upon completion of this project, all critical traffic signals will be converted to video detection. This project helps achieve goals from the City's Pedestrian and Bicycle Plan.

With cost savings of re-using cameras that are still serviceable, some older traffic signal equipment was replaced at intersections where equipment was reaching the end of its usable service life. Additionally, communications equipment was added to critical 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 is now 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.

On March 21, 2017, the Emeryville City Council approved the project scope of work and authorized Public Bidding of the project once the plans and specifications were approved by the City Engineer (Resolution No. 17-135). On July 25, 2017, the City Council adopted a resolution for awarding a contract to DC Electric for the construction of the project in the amount of \$435,840.

DISCUSSION

The project was substantially completed in Winter/Spring 2018. Additional communications equipment was completed and tested through the end of 2018.

The project is complete and ready for acceptance by the City Council and the City Engineer must now file a Notice of Completion with the Alameda County Clerk.

FISCAL IMPACT

No additional fiscal impact anticipated.

STAFF COMMUNICATION WITH THE PUBLIC

City Staff has discussed the project with:

1. Bicycle and Pedestrian Advisory Committee at various meetings in 2017 and 2018.
2. Public Works Committee and Transportation Committee at various meetings in 2017 and 2018

The purpose of these discussions was to keep the public and committees informed on progress with projects from the Capital Improvement Program.

CONCLUSION

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

PREPARED BY: Ryan O'Connell, Senior Civil Engineer

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



Christine Daniel, City Manager

ATTACHMENTS

- Draft Resolution