



DATE: December 12, 2023

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Authorizing the City Manager to Appropriate Additional Funds in the Amount of \$120,000 from Transportation System Improvement – Fund 460 for the Traffic Signal Upgrade at Huntwood Avenue, Project No. 05737

RECOMMENDATION

That Council adopts a resolution (Attachment II) approving the City Manager to appropriate additional funds in the amount of \$120,000 from Transportation System Improvement – Fund 460 for the Traffic Signal Upgrade at Huntwood Avenue, Project No. 05737.

SUMMARY

The City was awarded a Highway Safety Improvement Program (HSIP) grant in the amount of \$774,900 toward the construction portion of the total project cost of \$965,000, for the Traffic Signal Modification for Huntwood/Industrial and Huntwood/Sandoval Intersection Project (Project). On October 25, 2022¹, Council approved the award for the Traffic Signal Upgrade at Huntwood Avenue, Project No. 05737 to W. Bradley Electric, Inc., in the amount of \$861,000. The current estimated cost for Project No. 05737 is \$1,085,000, which exceeds the amount previously appropriated by \$120,000. As a result of the construction bids, additional funding is now needed.

BACKGROUND AND DISCUSSION

The City received several complaints from concerned residents and motorists in the past five years regarding traffic queuing, delays, and safety of pedestrians and bicycles at the intersection of Huntwood Avenue/Industrial Parkway West and Huntwood Avenue/Sandoval Way. To alleviate the worsening traffic conditions, traffic signal improvements were undertaken with the installation of signal interconnect, which added the ability to activate simultaneous serving of the northbound phases at the two intersections. The improvement helped in traffic queue reduction, but did not fully address the problem. Thus, a more comprehensive signal modification is needed to resolve the traffic issues. Staff applied for and was awarded² the HSIP grant to fund additional traffic

¹ <https://hayward.legistar.com/LegislationDetail.aspx?ID=5894948&GUID=06DD3A38-4DEF-4575-9A4E-2DA2D3222DC2&Options=&Search=>

² <https://hayward.legistar.com/LegislationDetail.aspx?ID=5522788&GUID=714E6869-3386-4CF8-AC29-2BD8511AA3AA&Options=&Search=>

signal modifications.

Further traffic operational analysis was conducted to determine resolution to traffic concerns, with the following recommendations for the two intersections:

1. Install protected left-turn phase at Huntwood Avenue/Industrial Parkway West;
2. Install protected-permissive left-turn phase at Huntwood Avenue/Sandoval Way;
3. Install Hybrid Video Detection for bikes and queue cutters; and
4. Upgrade Peer-to-Peer Communications, which allows the traffic system to communicate effectively on collision warning and collision avoidance.

Modifying the existing signal operations with protected left-turn phasing will reduce traffic delays and queuing at the intersections, thereby reducing driver frustration and non-adherence to traffic controls, which helps in reducing collisions and improve pedestrian and bicycle safety. The installation of video bicycle detection will ensure detection, service of bicyclist and sufficient green intervals improving bicycle safety. Upgrading existing communication between the two intersections and queue clearance detention before the railroad tracks will also help reduce traffic queue and spillover onto the railroad tracks preventing potential hazardous situations.

The project is categorically exempt from environmental review under Section 15301(c) of the California Environmental Quality Act (CEQA) Guidelines for the operation, repair, maintenance or minor alteration of existing facilities.

On November 15, 2016, Council passed a resolution authorizing a Community Workforce Agreement (CWA) with the Alameda County Building Trades Council (BTC), which applies to City projects with construction costs of \$1,000,000 or more. Because the construction cost estimate for this project is less than \$1,000,000, the CWA agreement does not apply.

ECONOMIC IMPACT

The overall transportation system will be more efficient by reducing travel time and creating positive economic and health benefits and reducing greenhouse gas emissions.

FISCAL IMPACT

This project has a total appropriated project budget of \$965,000 from the City's Transportation System Improvement Fund (Fund 460), leaving the need for an additional \$120,000 necessary to complete the project. The grant funding will reimburse construction costs in the amount of \$774,900.

The estimated project costs are as follows:

Construction Contract	\$861,000
Construction Contingency	120,000
Design and Administration	75,000
Inspection, Survey and Construction Management	29,000
PROJECT TOTAL	\$1,085,000
<i>Highway Safety Improvement Program (HSIP)</i>	<i>\$(774,900)</i>
<i>Grant</i>	
TOTAL ESTIMATED EXPENSE	\$310,100

Staff is proposing to use fund balance from Fund 406 to cover the additional costs, resulting in no impact to the General Fund.

STRATEGIC ROADMAP

This agenda item is a routine operational item and does not relate specifically to any of the Council's Strategic Priorities. However, it does support overall infrastructure investments.

SUSTAINABILITY FEATURES:

There are no sustainability features associated with this action.

PUBLIC CONTACT

There is no public contact associated with this action.

SCHEDULE

The estimated schedule for this project is as follows:

Start of Construction	September 11, 2023
Complete Construction	December 29, 2023

NEXT STEPS

If Council approves, staff will appropriate \$120,000 the Transportation System Improvement – Fund 460.

Prepared by: Hector M. Leuterio, Assistant Civil Engineer
Kathy Garcia, Deputy Director of Public Works

Recommended by: Alex Ameri, Director of Public Works

Approved by:



Kelly McAdoo, City Manager