



DATE: May 6, 2025

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Authorizing the City Manager to Appropriate Funds in the Amount of \$50,000 from Transportation System Improvement – Fund 460 for the Traffic Signal Upgrade at Huntwood Avenue, Project No. 05737

RECOMMENDATION

That the City Council adopts a resolution (Attachment II) approving the City Manager to appropriate additional funds in the amount of \$50,000 from Transportation System Improvement – Fund 460 for the Traffic Signal Upgrade at Huntwood Avenue, Project No. 05737.

SUMMARY

The City of Hayward (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 at Huntwood/Industrial and Huntwood/Sandoval Intersection Project. The City Council awarded the construction contract to W. Bradley Electric, Inc., in the amount of \$860,919. Final Construction is anticipated to be completed by May 2025. Due to the necessary changes made during construction to complete the improvement of these intersections, more funding is needed to complete the project. Staff is recommending an additional appropriation of \$50,000.

BACKGROUND

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 conditions of traffic, traffic signal improvements were undertaken with the installation of signal interconnect, which added the ability to activate simultaneous accommodations of the northbound phases at the two intersections. The improvement helped with traffic queue reduction but did not fully address the problem. Thus, a more comprehensive signal modification was needed to resolve the traffic issues. 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.

Staff applied for and was awarded the HSIP grant in the amount of \$774,900 to fund additional traffic signal modifications. On September 28, 2021¹, City Council authorized the City Manager to accept the grant funds and appropriate a total budget of \$965,000 for project.

On September 6, 2022², City Council approved the plans and specifications and called for bids to be received on September 27, 2022.

On October 25, 2022³, City Council approved the award of contract to W. Bradley Electric, Inc., in the amount of \$860,919.

DISCUSSION

The improvement project upgraded the existing signal operations with protected left-turn phasing to 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 ensures 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.

During the construction phase, additional improvements were added specifically upgrading the existing traffic signal pole and mast arm at southwest corner of Huntwood Avenue and Industrial Parkway West that was deemed necessary due to its deteriorating condition as the result of constantly being hit by turning trucks.

The completion of the traffic signal upgrade provide effective signal operations for smooth flow of the traffic particularly along Huntwood Avenue and Industrial Parkway West as being major truck route in and out of the City.

¹ <https://hayward.legistar.com/LegislationDetail.aspx?ID=5149127&GUID=68E9DBEE-9394-4533-A9FD-C5A03079CCC3&Options=&Search=>

² <https://hayward.legistar.com/LegislationDetail.aspx?ID=5811609&GUID=7F148D08-F009-4331-9B96-A833AF11BA77&Options=&Search=>

³ <https://hayward.legistar.com/LegislationDetail.aspx?ID=5894948&GUID=06DD3A38-4DEF-4575-9A4E-2DA2D3222DC2&Options=&Search=>

Due to the changes made during construction necessary to complete these intersections, construction, design and inspection costs increased. Staff is recommending an additional appropriation of \$50,000 to complete this project.

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 item has a total appropriated project budget of \$1,085,000 from the City's Transportation System Improvement Fund (Fund 460). The grant funding will reimburse the construction cost in the amount of \$774,900.

The estimated project cost at award of contract were as follows:

Construction Contract	\$861,000
Construction Contingency	\$149,000
Design and Administration	\$75,000
TOTAL	\$1,085,000

The current estimated project costs are as follows:

Construction Contract	\$811,596
Construction Contingency	\$171,509
Design and Administration	\$94,632
Inspection, Survey and Construction Management	\$52,725
TOTAL	\$1,130,462

The adopted FY23 Capital Improvement Program (CIP) includes \$871,000 from the Transportation System Improvement – Fund 460. As shown above, the current estimated project total of \$1,130,462 exceeds the appropriation of \$1,085,000. Therefore, staff is requesting an additional \$50,000 be appropriated to the Project No. 05737 from the Transportation System Improvement (Fund 460) to close the gap. Sufficient funds are available in the fund balance. There will be no impact to the General Fund.

STRATEGIC ROADMAP

This agenda item is a routine operational item and does not directly relate to one of the Strategic Initiatives. However, this agenda item supports Strategic Priority of “Invest in Infrastructure”, specifically:

- Objective 1: Invest in multi-modal transportation options – trail facilitates biking, walking.
- Objective 2: Invest in City-owned facilities & property.

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 construction completion is May 2025.

NEXT STEPS

If Council approves the increase in appropriation of funding, staff will complete the necessary steps to appropriate and process the request.

Prepared by: Hector M. Leuterio, Assistant Civil Engineer
Reviewed by: Dave Hung, Acting Deputy Director of Public Works
Recommended by: Alex Ameri, Director of Public Works

Approved by:



Dr. Ana M. Alvarez, City Manager