



DATE: September 6, 2022

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Approving Plans and Specifications and Call for Bids for the Traffic Signal Modification at Huntwood/Industrial and Huntwood/Sandoval Intersections Project, Project No. 05737

RECOMMENDATION

That the Council adopts a resolution (Attachment II) approving the plans and specifications, and calling for bids to be received on September 27, 2022 for the Traffic Signal Modification at Huntwood/Industrial and Huntwood/Sandoval Intersections Project, Project No. 05737.

SUMMARY

This project proposes recommended improvements, particularly enhancing bicycle and pedestrian safety, at these two intersections as follows:

1. Install protected left-turn phase at Huntwood Ave/Industrial Pkwy Way
2. Install protected-permissive left-turn phase at Huntwood Ave/Sandoval Way
3. Install Hybrid Video Detection for bikes and queue cutters
4. Upgrade Peer-to-Peer Communications

This report requests approval of the plans and specifications and call for bids for the project. Staff was successful in obtaining a Highway Safety Improvement Program (HSIP) grant to fund 90% of the construction cost for the Project. The total Project cost is \$965,000, which includes \$861,000 for construction. The City's required local match of 10% is \$86,100, which combined with the HSIP grant will provide the total construction cost of \$861,000. The remaining amount of \$104,000 in the total project cost is for engineering design services and staff costs, and the total project budget has been previously appropriated through the FY 2022 budget process.

BACKGROUND

The City has received several resident concerns and complaints in the past five years regarding traffic queuing, delays, and safety of pedestrians and bicycles at the intersection of Huntwood Ave/Industrial Pkwy W and Huntwood Ave/Sandoval Way. Traffic signal improvements with the installation of signal interconnect and added functionality to

activate simultaneous serving of the northbound phases at the two intersections were installed, which helped in traffic queue reduction to some degree but did not alleviate the issue significantly. A more comprehensive signal modification was needed to fully address the problem. As a result, the HSIP grant was applied for and obtained to implement this traffic signal modification.

DISCUSSION

A traffic operational analysis was conducted to evaluate traffic signal operations and recommended improvements particularly enhancing bicycle and pedestrian safety at these two intersections as follows:

5. Install protected left-turn phase at Huntwood Ave/Industrial Pkwy Way
6. Install protected-permissive left-turn phase at Huntwood Ave/Sandoval Way
7. Install Hybrid Video Detection for bikes and queue cutters
8. Upgrade Peer-to-Peer Communications

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 will reduce 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 reduce traffic queue and spillover onto the railroad tracks preventing potential hazardous situations.

Staff was successful in obtaining a Highway Safety Improvement Program (HSIP) grant to fund 90% of the construction cost for the Traffic Signal Modification for the Huntwood/Industrial and Huntwood/Sandoval Intersections Project (Project). The grant sponsor, Caltrans, awarded the City \$774,900 towards the construction portion of the costs. The total Project cost is \$965,000, which includes \$861,000 for construction. The City's required local match of 10% is \$86,100, which combined with the HSIP grant will provide the total construction cost of \$861,000. The remaining amount of \$104,000 in the total project cost is for engineering design services and staff costs. The project has an appropriated budget through the FY2022 budget process of \$965,000 from the City's Transportation System Improvement Fund (Fund 460).

This project is categorically exempt for 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. The agreement requires contractors to use local union hiring halls, encourages contractors to employ Hayward residents or Hayward Unified School District graduates, and requires hired workers to pay union dues and other benefit trust fund contributions, etc. Because the construction cost

estimate for this Project is less than \$1,000,000, the CWA agreement does not apply to 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 \$965,000 from the City's Transportation System Improvement Fund (Fund 460). The grant funding will reimburse 90% (\$774,900) of the construction portion of the costs. The estimated project costs are as follows:

Construction Contract	\$861,000
Design and Administration	75,000
Internal Staff Costs	29,000
TOTAL	\$965,000

STRATEGIC ROADMAP

This item does not directly support a Council Strategic Priority project. 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:

Call for Bids	September 7, 2022
Open Bids	September 27, 2022
Award Construction Contract	October 25, 2022
Begin Construction	Mid November 2022
Complete Construction	Mid February 2023

NEXT STEP

After staff evaluates the bid results, staff will return to Council with the recommendation for award of the construction contract.

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

Recommended by: Alex Ameri, Director of Public Works

Approved by:

A handwritten signature in black ink, appearing to read 'Kelly McAdoo', with a long horizontal stroke extending to the right.

Kelly McAdoo, City Manager