



DATE: April 11, 2023

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Adopt a Resolution Approving Plans and Specifications and Calling for Bids for Traffic Signal Modification on Jackson Street as Part of the Route 238 Corridor Improvement Phase 2 Project No. 05270

RECOMMENDATION

That the Council adopts a resolution (Attachment II) approving the plans and specifications, and calling for bids to be received on May 9, 2023, for the Traffic Signal Modification at Jackson Street, which will take place as part of the Route 238 Corridor Improvement Phase 2 Project No. 05270.

SUMMARY

This Project proposes signal upgrade and improvements, particularly for enhancing traffic flow, which includes installing new controllers, Sydney Coordinated Adaptive Traffic Systems (SCATS), and video detection systems, at these four intersections:

1. Jackson St/Amador St-Cypress Ave;
2. Jackson St/Soto Rd;
3. Jackson St/Winton Ave; and
4. Jackson St/Meek Ave-Silva Ave.

This report requests approval of the plans and specifications and calling for bids for the project. Funding for this project was obtained through a cooperative agreement with the California Department of Transportation (Caltrans) for a total of \$531,000. The total Project cost is estimated at \$531,000, which includes \$352,000 for construction with an additive bid alternate item should bidding allow.

BACKGROUND

The Local Alternative Transportation Improvement Plan (LATIP) was approved by Caltrans on November 19, 2009, for the purpose of supporting the Central Alameda County LATIP to fill the highway transportation infrastructure needs that were created when the Route 238 Hayward Bypass project was not pursued. The California Transportation Commission (CTC) approved the LATIP resolution on June 30, 2010. Projects included in the LATIP are funded from proceeds of the sale of the properties

originally purchased for the now defunct Hayward Bypass Project. One of the top priority projects in the LATIP was the Route 238 Corridor Improvement Project in the City of Hayward, which was programmed with a total of \$30 million in LATIP funds. This project included the design and construction of the Mission Boulevard Corridor Improvement project, which was to be constructed in the three phases described as follows:

Phase 1 included roadway and street improvements on Mission Boulevard (SR-238) from A Street to Industrial Parkway, Jackson Street (SR-92) from Watkins Street to Mission Boulevard. The CTC allocated \$8.1 million LATIP funds in August 2013 for Phase 1 construction, which was completed in January 2014.

Phase 2 included roadway and street improvements on Mission Boulevard (SR-238) from Industrial Parkway to the south City limit and Jackson Street (SR-92) from Watkins Street to Santa Clara Street. Improvements on Jackson Street was limited to the addition of the SCATS to the traffic signals at the intersections on Jackson Street within the project limits. The CTC allocated \$2 million for the design phase for Phase 2 and Phase 3 (preliminary design) in August 2014, and \$19.9 million for the construction phase in October 2017. Construction for this segment on Mission Boulevard was completed in April 2021.

Phase 3 improvements are on Mission Boulevard (SR-185) from A Street to the north City limit. This phase of the project is currently in the bid process and anticipated to begin construction this summer and will utilize local funds.

Due to time constraints, the Jackson Street project was taken out from the Mission Blvd project - Corridor Improvements Phase 2 project. Caltrans has since asked the City to complete this portion of work as it was in the original scope. On June 28, 2022, Council adopted a resolution authorizing the City Manager to execute a cooperative agreement with Caltrans to implement this signal modification to alleviate the existing traffic queue on Jackson Street and for the reimbursement of \$531,000 from the LATIP funds.

DISCUSSION

This project proposes signal upgrade and improvements, particularly for enhancing traffic flow, which includes installing new controllers, Sydney Coordinated Adaptive Traffic Systems (SCATS), and video detection systems, at these four intersections:

1. Jackson St/Amador St-Cypress Ave;
2. Jackson St/Soto Rd;
3. Jackson St/Winton Ave; and
4. Jackson St/Meek Ave-Silva Ave.

Modifying the existing signal operations with new video detection and SCATS will reduce traffic delays and queuing at the intersections, which in turn will also improve pedestrian and bicycle safety. Upgrading existing communication between the four intersections will reduce traffic queueing and improve traffic flow during peak hour traffic.

Staff was successful in obtaining a cooperative agreement with Caltrans for improvements to the State Highway System per the California Streets and Highways Code Sections 114 and

130. Caltrans will fund the City with \$531,000 from LATIP funds, which covers 100% of the construction and engineering services/staff cost for the Traffic Signal Modification for the Jackson Street Project. The total Project cost is estimated at \$531,000, which includes \$352,000 for construction and an additive bid alternate item should bidding allow. The bid alternate item includes battery backup systems for the cabinets. However, the bid alternative item is contingent on the actual bids received and may be excluded from the project due to the cooperative agreement limit of \$531,000.

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

Improvements to the City's traffic signal system make the overall transportation system more efficient which may result in positive economic benefits for businesses around the area.

FISCAL IMPACT

This work has an estimated cost of \$531,000 and will be 100% reimbursed by LATIP funds, as stipulated in the Caltrans Cooperative Agreement. The Route 238 Corridor Improvement Phase 2 Project No. 05270 in Route 238 Corridor Improvement Fund 410 has sufficient funding to cover the upfront costs related to this effort.

The estimated project costs are as follows:

Construction Contract	\$352,000
Contingencies	35,000
Design and Administration	54,000
Inspection, Survey, and CM	<u>90,000</u>
TOTAL	\$531,000

STRATEGIC ROADMAP

This agenda item supports the Strategic Priority of Invest in Infrastructure.

SUSTAINABILITY FEATURES

Improvements to the traffic signals will reduce environmental impacts like greenhouse gas

emissions and enhance the overall quality of life for residents and businesses.

This project is categorically exempt from environmental review pursuant to Section 15301(c) of the CEQA Guidelines because it is a project consisting of repair, maintenance or minor alteration of existing structures or facilities and involves negligible or no expansion of the existing use.

PUBLIC CONTACT

Immediately after the construction contract is awarded, a preliminary notice explaining the project will be distributed to the businesses and residences adjacent to the limits of work. After the construction work has been scheduled, businesses and residences will be notified at least seven-two hours prior to actual commencement of work.

SCHEDULE

The estimated schedule for this project is as follows:

Call for Bids	April 11, 2023
Open Bids	May 9, 2023
Award Construction Contract	June 6, 2023
Begin Construction	Mid July 2023
Complete Construction	Mid September 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: Kevin Yoshiki, Assistant Civil Engineer
Kathy Garcia, Deputy Director of Public Works

Recommended by: Alex Ameri, Director of Public Works

Approved by:



Kelly McAdoo, City Manager