



DATE: April 26, 2022

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Intersection Traffic Signal System—Major Replacement and Upgrades (Shoreline Boulevard/Latham Street-Church Street), Projects 17-27, 19-27, 20-27, and 21-27—Various Actions**

RECOMMENDATION

1. Approve plans and specifications for Intersection Traffic Signal System—Major Replacements and Upgrades (Shoreline Boulevard/Latham Street-Church Street), Projects 17-27, 19-27, 20-27, and 21-27, and authorize staff to advertise the project for bids.
2. Authorize the City Manager or designee to award a construction contract to the lowest responsible bidder if the bid is within the project budget.

BACKGROUND

The existing traffic signal at the intersection of Shoreline Boulevard and Latham Street-Church Street is approximately 40 years old, and all major components are either at the end of their useful life or do not meet current standards. In reviewing the intersection in preparation for replacing the traffic signal, staff also noted the following issues with the intersection:

- The existing traffic signal operation presents conflicts for pedestrians and bicyclists crossing Shoreline Boulevard with vehicles concurrently making left turns from Latham Street or Church Street.
- The raised median noses, on both the north and south sides of the intersection along Shoreline Boulevard, encroach into the crosswalks, reducing crosswalk area for pedestrians and bicyclists crossing Shoreline Boulevard.

The project location and current intersection configuration are shown in Figure 1.

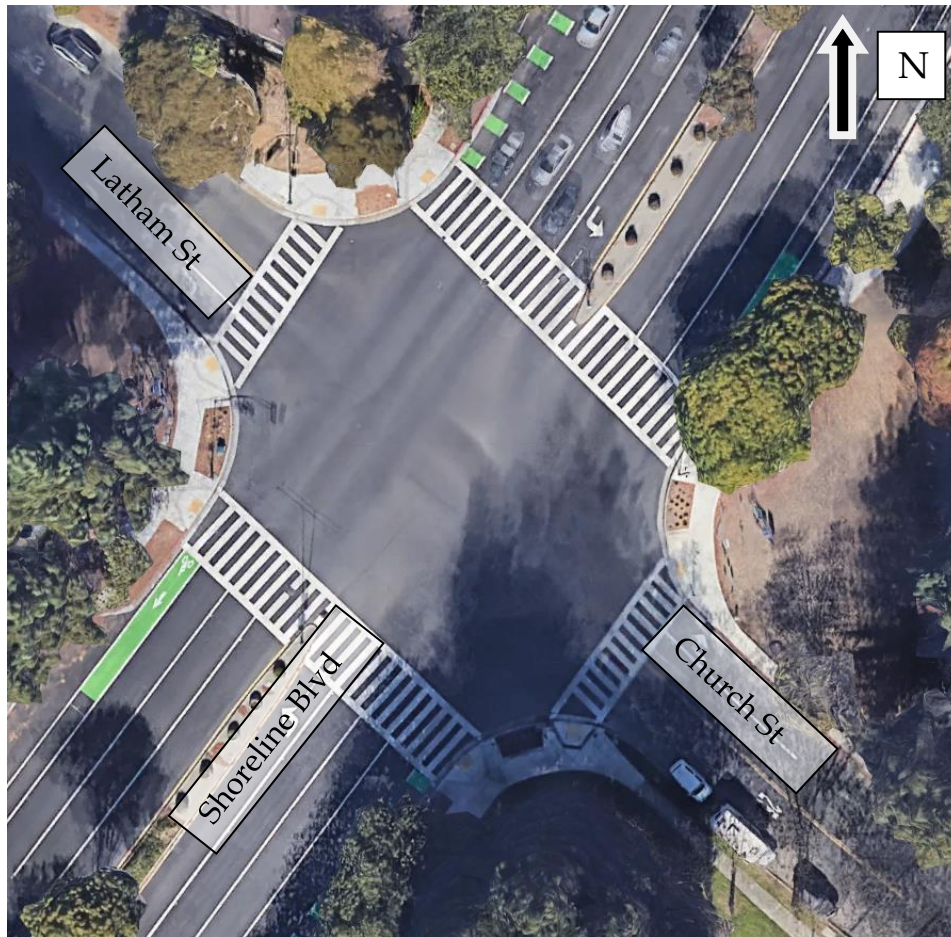


Figure 1: Project Location Map

ANALYSIS

The project will include the following improvements:

1. Install a new eight-phase traffic signal (protected left turns and pedestrian signal) replacing the existing, aging, six-phase traffic signal, which improves safety by eliminating the bicycle, pedestrian, and left-turning vehicular movement conflicts;

2. Restripe westbound Church Street and eastbound Latham Street to have dedicated left-turn lanes and shared through and right-turn lanes, and provide lane designation signage, which is needed for eight-phase traffic signal operation; and
3. Remove and reconstruct the north and south Shoreline Boulevard median nose to be outside of the crosswalks.

These improvements will help enhance bicycle, pedestrian, and vehicular safety and reduce traffic signal maintenance, delays, and congestion caused by the aging traffic signal equipment.

Plans and specifications for the project are complete and available for viewing in the Public Works Department. If Council approves the recommended actions and a responsive bid within the project budget is received, construction is anticipated to begin in summer/fall 2022 and be completed in early 2023.

Environmental Clearance

This project has been determined to be categorically exempt as minor alterations to existing public facilities in accordance with the California Environmental Quality Act (CEQA) guidelines.

FISCAL IMPACT

Intersection Traffic Signal System—Major Replacements and Upgrades (Shoreline Boulevard/Latham Street-Church Street) is funded with \$1,616,000 as follows:

Project No.	Amount	Funding Source
17-27	\$ 386,000	CIP Reserve Fund
19-27	402,000	Vehicle License Fee—2010 Measure B
20-27	410,000	Vehicle License Fee—2010 Measure B
21-27	<u>418,000</u>	Vehicle License Fee—2010 Measure B
TOTAL	<u>\$1,616,000</u>	

The Vehicle License Fee—2010 Measure B funding source is the Santa Clara Valley Transportation Authority's (VTA's) Local Road Improvement and Repair Program.

The estimated project cost is as follows:

Construction	\$ 993,000
Construction Contingency	99,000
Consultant Services	100,000
City Project Management	120,000
Construction Inspection and Testing	120,000
Miscellaneous	<u>85,400</u>
 Subtotal	 \$1,517,400
 City Administration	 <u>98,600</u>
 TOTAL PROJECT COST ESTIMATE	 <u>\$1,616,000</u>

There is sufficient funding for the project.

ALTERNATIVES

1. Do not approve the recommended actions and place the project on hold.
2. Provide other direction.

PUBLIC NOTICING—Agenda posting.

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