



TO: Mayor and Councilmembers

FROM: Charles W. Ebeling, Public Works Director

CONTACT: James Winslow, Senior Project Engineer

SUBJECT: Approval of Plans and Specifications and Authorization to Advertise for Bids for CIP Project No. 9058 Rectangular Rapid Flashing Beacons (RRFB) at Chapel Street and Pedestrian Hybrid Beacons (PHB) at Kingston Avenue Project

RECOMMENDATION:

- A. Approve Plans and Specifications for the Rectangular Rapid Flashing Beacons (RRFB) at Chapel Street and Pedestrian Hybrid Beacons (PHB) at Kingston Avenue Project; and
- B. Authorize staff to advertise a notice inviting bids for the Rectangular Rapid Flashing Beacons (RRFB) at Chapel Street and Pedestrian Hybrid Beacons (PHB) at Kingston Avenue Project.

BACKGROUND:

The Rectangular Rapid Flashing Beacons (RRFB) at Chapel Street and Pedestrian Hybrid Beacons (PHB) at Kingston Avenue project is included as part of the City's 5-year Capital Improvement Program (CIP) and identified as CIP Project No. 9058. The project improvements include installing a RRFB system at Chapel Street crossing Hollister Avenue and replacing older flashing beacons at Kingston Avenue crossing Calle Real with a PHB system.

The City applied for and received Highway Safety Improvement Program (HSIP) grant funding for the project in the amount \$237,780. In December 2017, City Council approved a professional design services agreement with Kimley-Horn and Associates (KHA) to provide design for the project. KHA completed design and in December 2019 Public Works staff submitted a Request for Authorization to Caltrans for the construction funding portion of the HSIP grant.

The Goleta Municipal Code (GMC), Section 3.05.200(A) and Section 3.05.160(C), requires Council authorization prior to publication of a notice inviting bids for construction projects in excess of \$125,000. Staff and KHA have completed design for the project and

are prepared to go out to bid for the subject project upon Council's approval and authorization. A Notice to Invite Bids will be published in the public newspaper, posted on the City's website, and, also advertised on E-Bidboard.

DISCUSSION:

The Hollister Avenue crosswalk at Chapel Street near Goleta Valley Cottage Hospital does not currently have any stop controls. There is an existing striped crosswalk on the west side of the three-way intersection. The Calle Real crosswalk at Kingston Avenue near the Goodland Hotel currently has the older style pedestrian activated yellow flashing beacons to alert oncoming drivers that a pedestrian is using the crosswalk. This crosswalk is also on the west side of a three-way intersection.

Given the number of daily pedestrian crossings at these two locations, staff applied for and received a HSIP grant to enhance the safety and effectiveness of these crosswalks. To determine the most appropriate crosswalk design, staff considered the appropriate device, the location of the crosswalk and its proximity to bus stops, driveways, retail centers, intersections as well as street markings, signage and pedestrian counts.

The proposed project will install the pedestrian activated RRFB system on Hollister Avenue at Chapel Street and a PHB system over the travel lanes on Calle Real at Kingston Avenue by replacing the existing old-style yellow flashing beacons. The RRFB and PHB systems will provide an additional visual cue to alert motorists when a pedestrian intends to cross the street. The project will also include new striping, signage, lighting, sidewalk, and American's with Disabilities Act (ADA) curb ramp improvements.

The PHB system is a hybrid of a flashing beacon and a traffic signal, specifically created for mid-block crossings. The signal face is suspended above the roadway. The signal face has two red lenses above a single yellow lens. Unless a pedestrian activates the signal, the lenses remain dark. When activated, the signal flashes yellow, and then a steady yellow and finally, a steady red. The primary benefit is the requirement for all vehicles to stop for the red light. Vehicles may not proceed until the red light goes dark. This system removes individual driver judgment about whether to stop or not because a red light always means stop. The system will compete better with surrounding visual distractions by providing a red stop light when activated as opposed to the standard flashing yellow beacons, which tend to blend into the surrounding environment. If traffic volumes meet warrants for a full traffic signal in the future, most of the same hardware and the underground conduit can be used as part of a retrofit.

Plans, Specifications and Bidding

Public Works staff has overseen the design plans and specifications in collaboration with KHA, the project design consultant. The project design is complete and Public Works is requesting that Council authorize staff to advertise the project for construction bids. Public Works anticipates returning to Council with a proposed construction contract for award in the summer 2020.

The plans and specifications for the project consist of the plan sheets, bid documents, the City general provisions, Project special provisions, and Federal HSIP contract requirements. The specifications also incorporate by reference the Caltrans Standard Specifications 2015 edition, the Caltrans 2015 Standard Plans, Occupational Safety and Health Administration (OSHA) regulations (the Construction Safety Orders), the California Manual of Uniform Traffic Control Devices (CMUTCD) and the Caltrans Construction Manual. The full set of plans are available electronically at: <https://www.cityofgoleta.org/projects-programs/pedestrian-improvements/rectangular-rapid-flashing-beacons-at-chapel-street-and-pedestrian-hybrid-beacons-at-kingston-avenue>. Staff recommends City Council approve these plans and specifications and authorize staff to advertise for construction bids for the project.

FISCAL IMPACTS:

Project Cost Estimates

Project Components	Estimated Costs	Funding Source	Funding Amounts
Labor	\$31,000	General Fund	\$102,838
Design (Consultant)	\$62,000	Measure A (205)	\$167,620
Environmental Review (Consultant)	\$5,000	HSIP Grant (417)	\$237,780
Construction	\$300,000		
Construction Contingency	\$60,000		
CM (Consultant)	\$50,000		
Total:	\$508,000	Total:	\$508,238

Project Funding

Project construction costs are estimated to be approximately \$410,000. There is currently approximately \$411,000 of construction funds (705) available for the Project in General Fund, Measure A, and HSIP grant funds. Funding adjustments are likely necessary for the construction phase including construction management, inspection, material testing, and staff time. Following the receipt of the bids, Public Works will request an additional appropriation, if necessary, at the time that the contract is recommended for award.

The table below summarizes the FY 19/20 project budget amounts and funding source accounts:

Project Name: CIP No. 9058 RRFB at Chapel St and PHB at Kingston Ave				
Account	Fund Type	FY 2019-20 Adopted Budget	YTD Actual/ Encumbrance	Available Balance
101-5-9058-705	General Fund	\$102,838		\$102,838
205-5-9058-705	Measure A	\$112,920		\$112,920
205-5-9058-706	Measure A	\$20,679	\$14,887	\$5,792
417-5-9058-705	HSIP Grant	\$195,480	\$211	\$195,269
	Total	\$431,917	\$15,098	\$416,819

ALTERNATIVES:


The Council may elect to not approve the plans and specifications and not authorize staff to advertise for construction bids for this project. Doing so would delay the construction of the project and may jeopardize HSIP grant funding.

Reviewed By:**Legal Review By:****Approved By:**


Kristine Schmidt
Assistant City Manager



Michael Jenkins
City Attorney



Michelle Greene
City Manager