

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT Public Works	(2) MEETING DATE 3/24/2015	(3) CONTACT/PHONE Kidd C. Immel, Project Manager (805)781-5981	
(4) SUBJECT Request to approve Amendment No. 2 to the agreement with Drake Haglan and Associates for engineering services of the Avila Beach Drive Bridge Seismic Retrofit Project in Avila Beach, increasing the contract amount by \$243,898.76. District 3.			
(5) RECOMMENDED ACTION It is recommended that the Board: <ol style="list-style-type: none"> 1. Approve Amendment No. 2 to the agreement with Drake Haglan and Associates for engineering services of the Avila Beach Drive Bridge Seismic Retrofit, increase the total contract amount from \$334,077.27 to \$577,976.03 and instruct chairperson to sign; and 2. Authorize the Public Works Director, or his designee, to approve additional supplemental work for an aggregate amount not to exceed \$25,000. 			
(6) FUNDING SOURCE(S) HBP, RSHA, Road Fund	(7) CURRENT YEAR FINANCIAL IMPACT \$268,898.76	(8) ANNUAL FINANCIAL IMPACT \$0.00	(9) BUDGETED? Yes
(10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation <input type="checkbox"/> Hearing (Time Est. ___) <input type="checkbox"/> Board Business (Time Est. ___)			
(11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input checked="" type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input type="checkbox"/> N/A			
(12) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) 19001503		(13) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: N/A <input type="checkbox"/> 4/5 Vote Required <input checked="" type="checkbox"/> N/A	
(14) LOCATION MAP Attached	(15) BUSINESS IMPACT STATEMENT? Yes	(16) AGENDA ITEM HISTORY <input type="checkbox"/> N/A Date: 9/25/12, #14	
(17) ADMINISTRATIVE OFFICE REVIEW David E. Grim			
(18) SUPERVISOR DISTRICT(S) District 3			

Reference: 15MAR24-C-2

County of San Luis Obispo



TO: Board of Supervisors

FROM: Public Works
Kidd C. Immel, Project Manager

VIA: Jeff Werst, Design Division Manager

DATE: 3/24/2015

SUBJECT: Request to approve Amendment No. 2 to the agreement with Drake Haglan and Associates for engineering services of the Avila Beach Drive Bridge Seismic Retrofit Project in Avila Beach, increasing the contract amount by \$243,898.76. District 3.

RECOMMENDATION

It is recommended that the Board:

1. Approve Amendment No. 2 with Drake Haglan and Associates for engineering services of the Avila Beach Drive Bridge Seismic Retrofit, increase the total contract amount from \$334,077.27 to \$577,976.03 and instruct chairperson to sign; and
2. Authorize the Public Works Director, or his designee, to approve additional supplemental work for an aggregate amount not to exceed \$25,000.

DISCUSSION

The bridge is located on Avila Beach Drive over San Luis Obispo Creek and serves as the primary access for the Diablo Canyon Power Plant and Port San Luis. The structure was constructed in 1968 and subsequently had seismic cable restraints installed in the mid 1980's. Subsequent to an Earthquake Evacuation study performed by Pacific Gas & Electric Company, structural assessment was performed which led to a determination by the California Department of Transportation (Caltrans) that the bridge is seismically vulnerable, based on current seismic standards for existing bridges, making it eligible for funding authorized under Caltrans' Highway Bridge Program (HBP).

A contract with Drake Haglan & Associates (DHA) to determine an appropriate retrofit strategy for the structure was approved by the Board on September 25, 2012. The contract also included preparing a retrofit strategy for the South Bay Boulevard Bridge in Los Osos, and an evaluation of a future multi-use path addition to the Avila Bridge location. Amendment No. 1 to the agreement provided for additional testing of the bridge concrete and was approved March 11, 2013. Both of these tasks have been completed. This amendment is for the final preparation of Avila Beach Drive Bridge Seismic Retrofit construction documents.

Caltrans has approved the retrofit strategy report prepared by DHA for the Avila Bridge, dated February 26, 2014. The retrofit will fortify the bridge to current standards by:

- Adding cable restrainers and shear keys to improve the connection between the bridge's substructure and superstructure.
- Strengthening abutment walls with a reinforced-concrete structural approach slab to absorb the seismic loads.
- Replacing the bridge's existing asphalt concrete overlay with a lighter polyester-concrete overlay.
- Replacing in-kind the deteriorated concrete pierwall jackets located above the footings at the two pierwalls in the channel.

The proposed professional-services amendment will implement the approved retrofit strategy for the Avila Bridge through preparation of "ready to advertise" contract plans, specifications, and estimate for construction of the Caltrans-approved retrofit strategy. Project construction is expected in 2017.

Previous work under this contract evaluated the current bridge structure for capacity to support or widen the structure for the future Avila to Port San Luis multi-use path. After consultation with Parks staff, it was decided that this would be accomplished through construction of a separate parallel bridge in connection with the future trail project.

OTHER AGENCY INVOLVEMENT/IMPACT

Caltrans Office of Local Assistance, by agreement with the Federal Highway Administration (FHWA), administers the HBP program to the local agency level. Caltrans, by separate agreement, is also responsible for FHWA's responsibilities under the National Environmental Policy Act (NEPA) and other federal environmental laws such as the Endangered Species Act and Section 106 of the National Historic Preservation Act.

San Luis Obispo Council of Governments is providing a significant amount of funding toward the project's local matching fund requirements under Regional State Highway Account Funds.

The Regional Water Quality Control Board, Army Corps of Engineers, U.S. Fish and Wildlife Service, and California Department of Fish and Wildlife will be contacted to obtain the necessary environmental clearance/permits. The affected utility companies will be contacted.

The Avila Valley Advisory Council will be presented with the proposed project, and staff will return to them, as needed, to review project status. Parks Department staff has participated in the review of potential multi-use path impact

FINANCIAL CONSIDERATIONS

The engineering services in this contract are for two projects administered by Public Works Department and one by Parks Department; Avila Beach Drive Bridge Seismic Retrofit – WBS 300456 (Public Works), South Bay Boulevard Bridge Seismic Retrofit – WBS 300455 (Public Works) and a Multi-Use Pedestrian Path – WBS 320015 (Parks).

The proposed Amendment No. 2 is for \$243,898.76, which will increase the contract amount from \$334,077.27 to \$577,976.30. Also included is the authorization of additional supplemental work not to exceed \$25,000, for a total contract of \$602,976.30.

This proposed amendment is for the Avila Beach Drive Bridge Seismic Retrofit project. This is a multi-year bridge project budgeted in the Road Fund – WBS 300456 in the amount of \$631,982. Funding for this project will come from Caltrans' Highway Bridge Program (approximately 88.5% reimbursement), Regional State Highway Account and Road Funds.

No budget adjustment is necessary at this time.

RESULTS

Implementation of the proposed retrofit strategy will improve the performance of the bridge to withstand seismic events, improving the integrity of the County Road System for the enhancement of health, safety and quality of life for the community.

File: Contract No. 300455 and 300456

Reference: 15MAR24-C-2

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ATTACHMENTS

1. Vicinity Map
2. Amendment No. 2 to Agreement for Engineering Consulting Services