

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

(1) DEPARTMENT Public Works	(2) MEETING DATE 10/1/2013	(3) CONTACT/PHONE Jeff Werst, Design Division Manager (805) 781-4480	
(4) SUBJECT Request to approve Amendment No. 1 to the agreement for engineering consulting services with Quincy Engineering for Lopez Drive Bridge No. 2 Seismic Retrofit, Arroyo Grande, increasing the contract amount by \$452,719.43. District 4.			
(5) RECOMMENDED ACTION It is our recommendation that your Honorable Board approve Amendment No. 1 to the agreement with Quincy Engineering, Inc., for the Lopez Drive Bridge No. 2 Seismic Retrofit, in the amount of \$452,719.43, increasing the contract amount from \$109,962.37 to \$562,681.80.			
(6) FUNDING SOURCE(S) HBP, Road Fund	(7) CURRENT YEAR FINANCIAL IMPACT \$452,719.43	(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) 19001332		(13) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: N/A <input type="checkbox"/> 4/5th's Vote Required <input checked="" type="checkbox"/> N/A	
(14) LOCATION MAP Attached	(15) BUSINESS IMPACT STATEMENT? No	(16) AGENDA ITEM HISTORY <input type="checkbox"/> N/A Date: <u>7/10/12, #23</u>	
(17) ADMINISTRATIVE OFFICE REVIEW <i>Nikki J. Schmidt</i>			
(18) SUPERVISOR DISTRICT(S) District 4 -			

Reference: 13OCT01-C-3

# County of San Luis Obispo



TO: Board of Supervisors

FROM: Public Works  
Jeff Werst, Design Division Manager  
Kidd Immel, Project Manager

VIA: Dave Flynn, Deputy Director of Public Works

DATE: 10/1/2013

SUBJECT: Request to approve Amendment No. 1 to the agreement for engineering consulting services with Quincy Engineering for Lopez Drive Bridge No. 2 Seismic Retrofit, Arroyo Grande, increasing the contract amount by \$452,719.43. District 4.

## **RECOMMENDATION**

It is our recommendation that your Honorable Board approve Amendment No. 1 to the agreement with Quincy Engineering, Inc., for the Lopez Drive Bridge No. 2 Seismic Retrofit, in the amount of \$452,719.43, increasing the contract amount from \$109,962.37 to \$562,681.80.

## **DISCUSSION**

The Department of Public Works is developing the Lopez Drive Bridge No. 2 Seismic Retrofit Project. The Lopez Drive Bridge No. 2 is a 317-foot long concrete, three-span bridge built in 1968 as part of the San Luis Obispo County Flood Control and Water Conservation District Lopez Lake Project. The bridge provides access to Lopez Lake Recreation Area, Ranchita Estates, and upper Lopez Canyon residents as well as access to U.S. Forest Service lands. It has been determined by the California Department of Transportation (Caltrans) that the bridge is seismically vulnerable based on current seismic design standards, making it eligible for funding authorized by the Federal Highway Administration (FHWA) through the Highway Bridge Program (HBP).

On July 10, 2012, your Board approved an agreement (see Attachment "A") with Quincy Engineering, Inc. to perform geotechnical testing and analysis and structural evaluation to determine the appropriate seismic retrofit method for the structure. Initial field investigations of subsurface conditions revealed a deep layer of liquefiable soil below the lake bed. Caltrans has requested that the County complete an extensive geotechnical exploration and non-standard seismic analysis prior to their approval of a Seismic Retrofit Strategy Report. The proposed geotechnical exploration includes the use of a barge on Lopez Lake to obtain geotechnical data at the existing piers and around the existing structure. The work would be conducted later this fall. This additional work effort represents a significant increase in scope and budget from the previous consultant agreement, necessitating the preparation of Amendment No. 1 attached to this Board letter.

Once a final geotechnical site assessment is complete and a subsequent seismic analysis is performed by the Consultant, Caltrans will review the Seismic Retrofit Strategy Report to determine the scope of the retrofit plan. Once that scope is determined, it will be necessary for Public Works to return to the Board with a subsequent contract amendment for project development and preparation of construction documents for the retrofit work by this same consultant.

The Consultant was selected in 2012 through the requirements of the County's Purchasing Policy and Federal Consultant Selection process. Due to the unknown nature of the final seismic retrofit design, it was anticipated that the initial contract would require an amendment through your Board. The adoption of Amendment No. 1 will re-establish the Contract Scope of Services and basis for the consultants work effort.

### **OTHER AGENCY INVOLVEMENT/IMPACT**

By agreement with FHWA, Caltrans' Office of Local Assistance oversees funding authorization under the Federal Highway Bridge Program (HBP). HBP funding reimburses at approximately 88% of the total project cost. Caltrans staff will be involved in review and approval of the Seismic Retrofit Strategy Report.

The Federal Highway Administration, California Department of Fish and Wildlife, Regional Water Quality Control Board, U.S. Army Corps of Engineers, and U.S. Fish and Wildlife Service are regulatory agencies from which the County will seek approval.

County Counsel has reviewed and approved the attached documents for legal form and effect.

### **FINANCIAL CONSIDERATIONS**

The proposed Amendment for Quincy Engineering, Inc. is for \$452,719.43, increasing the compensation amount from \$109,962.37, to a total compensation amount of \$562,681.80.

This project is budgeted in the Roads Fund FY 2013/14 at \$504,570.00 Funding for this project will be from the Federal Highway Bridge Program (HBP) and the Roads Fund. HBP will fund project development and implementation of the strategy at approximately 88% reimbursement.

The cost of construction to seismically retrofit the bridge is yet to be determined. Subsequent phases to the project will occur over the next year and once those costs are known, we will return to the Board with a budget adjustment, as necessary. This site is one of several bridge improvement projects the Department is pursuing over the next 8 years, and scheduling construction of improvements will be prioritized on need and available funding for the required local matching funds.

### **RESULTS**

Amending this agreement will allow for the completion of a Caltrans approved Seismic Retrofit Strategy Report for the Lopez Drive Bridge No. 2 Seismic Retrofit Project. Once addressed, the project would provide for a safe and livable community.

File: Contract No. 300452

Reference: 13OCT01-C-3

L:\DESIGN\OCT13\BOS\300452 Quincy Engineering Amendment No. 1 brd ltr.docx.CM:mac

## **ATTACHMENTS**

1. Vicinity Map
2. Attachment A - Agreement for Engineering Consulting Services
3. Amendment No. 1 to Agreement for Engineering Consulting Services