

MEMORANDUM

DEPARTMENT OF PUBLIC WORKS AND FACILITIES
County of Placer

To: Board of Supervisors Date: September 15, 2015

From: Ken Grehm, Director of Public Works and Facilities
By: Richard Moorehead, Engineering Manager

Subject: Engineering / Professional Services Contract Amendment / Mark Thomas & Company, Inc / Brewer Road Over Pleasant Grove Creek Bridge Replacement Project

ACTION REQUESTED

Approve Amendment No. 1 to Contract No. 1169 with Mark Thomas & Company, Inc. for engineering and construction support services for the Brewer Road over Pleasant Grove Creek Bridge Replacement Project, in the amount of \$63,447.25, and authorize the Director of Public Works and Facilities, or designee, to sign and execute amendments up to ten (10) percent (\$6,344.73) of the amendment amount. Funding is provided by federal sources in the FY 2015-16 Proposed Budget.

BACKGROUND

The Department of Public Works and Facilities is working to replace the existing bridge on Brewer Road over Pleasant Grove Creek under the Federal Highway Bridge Program (HBP). The existing bridge is 75 years old and nearing the end of its useful life because of deteriorating structural condition, a narrow deck and narrow roadway approach geometry. The project will improve the bridge and roadway approaches to current structural, geometric, and hydraulic guidelines.

On November 5, 2013, the Board of Supervisors authorized Contract No. 1169 with Mark Thomas & Company, Inc. which was signed for a total of \$321,919.74 plus a \$32,191 contingency for engineering work which included finalizing roadway geometries, bridge design, and supporting engineering studies related to the project.

This amendment is needed to complete changes to the roadway and bridge design which have been requested by Caltrans. The revised design will require a variance for freeboard (vertical clearance over the 100/200-year flood elevations) when obtaining an encroachment permit from the Central Valley Flood Protection Board (CVFPB) prior to construction. Staff from the County's design team, the CVFPB, and Caltrans met and agreed that revising the design by lowering the bridge and requesting a variance is the most appropriate course of action. Staff analyzed total project costs, including construction and redesign costs, and determined that the most cost-effective design is a bridge which meets standard Caltrans freeboard requirements, but would not fully comply with CVFPB criteria.

This Contract Amendment No. 1 authorizes an additional \$63,447.25 for a total contract amount of \$385,366.99 to revise the project to meet the Caltrans criteria.

ENVIRONMENTAL CLEARANCE

The Professional Services Agreement is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA guidelines, Section 15306. The bridge replacement project obtained

federal environmental clearance through the National Environmental Policy Act (NEPA) on August 12, 2015 and an Initial Study / Mitigated Negative Declaration (IS/MND) was prepared under CEQA and was brought to your board as a separate item for approval on August 4, 2015.

FISCAL IMPACT

Approval of this amendment will increase the total amount of this contract to \$385,366.99, plus a contingency of \$38,535.73. This project is budgeted in the FY 2015-16 Department of Public Works and Facilities Proposed Budget, Road Construction Projects, HBP Brewer Road Bridge Replacement over Pleasant Grove Project # 2964. The project is funded through the Federal Highway Bridge Program (100 percent).

Attachment 1 - Location Map

Contract Amendment on file with the Clerk of the Board of Supervisors

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ATTACHMENT 1 - LOCATION MAP

BREWER ROAD BRIDGE REPLACEMENT AT PLEASANT GROVE CREEK

**BREWER ROAD BRIDGE REPLACEMENT PROJECT
VICINITY & LOCATION MAPS**



