



A Tradition of Stewardship
A Commitment to Service

Agenda Date: 3/7/2017

Agenda Placement: 6B

NAPA COUNTY BOARD OF SUPERVISORS Board Agenda Letter

TO: Board of Supervisors

FROM: Steven Lederer - Director of Public Works
Public Works

REPORT BY: Annamaria Martinez, Assistant Engineer - 259-8378

SUBJECT: Amendment No.3 to Professional Services Agreement with Mead & Hunt - Milliken Creek Flood Reduction Project

RECOMMENDATION

Director of Public Works requests approval of and authorization for the Chair to sign Amendment No. 3 to Agreement No. 8200 with Mead & Hunt, increasing the amount by \$187,625 for a new maximum of \$593,370, and amending the scope to include additional design, pre-bid, and construction services that were not included in the original and amended scope of the Milliken Creek Flood Reduction Project.

EXECUTIVE SUMMARY

Mead & Hunt was selected through a Request for Proposals (RFP) process to complete the design for the Milliken Creek Flood Reduction and Fish Passage Barrier Removal Project in March 2014. Amendment No. 1 to Agreement No. 8200 added the design services for removal of the fish passage barrier within Milliken Creek and the associated restoration and revegetation activities. Amendment No. 2 added additional environmental and planning, FEMA compliance and design services. The proposed Amendment No. 3 adds additional design services in addition to pre-bid and construction services that were not included in the original or amended scope of the Project.

Mead & Hunt is not a local vendor.

FISCAL IMPACT

Is there a Fiscal Impact? Yes

Is it currently budgeted? Yes

Where is it budgeted?	Public Works Projects - Measure A Capital Improvement Program. Fund 1000, Subdivision 12205-00, Program 13045. It is in General Fund but is fully funded by the Measure A funds. There is enough funds budgeted to cover this amendment.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	Additional services are needed to complete plans and specifications for the project under Agreement No. 8200.
Is the general fund affected?	Yes
Future fiscal impact:	The project is expected to continue into FY 2017-2018. Appropriate funds will be included for the project in the FY 2017-18 budget.
Consequences if not approved:	If Amendment No 3 is not approved, County staff will not have appropriate consultant services during the bid and construction phases on the project.
Additional Information:	

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: The project was evaluated under the CEQA process as a part of its development. A Notice of Determine for the project Mitigated Negative Declaration was filed on November 1, 2016. According to the Mitigated Negative Declaration, the project will have less than significant impacts to the environment. This project site is not on any of the lists of hazardous waste sites enumerated under Government code section 65962.5.

BACKGROUND AND DISCUSSION

In December 2005, the Kaanapali Drive neighborhood, northeast of the intersection of Atlas Peak Road and Hillcrest Drive experienced unprecedented flooding which resulted in damage to several homes. In response to the flooding, the County entered into an agreement with the Silverado Property Owner's Association (SPOA) to cost share a flood reduction and stream bank stabilization study of Milliken Creek from Atlas Peak Road to Westgate Drive. The firm chosen by the SPOA was Hydrologic Systems Inc (HSI). The study was completed in December 2007. It focused on the hydrology, geomorphology, and hydraulics of the Milliken watershed and identified preliminary alternatives to reduce flooding in the study area; it also identified portions of Kaanapali Drive as areas subject to flooding from a 100-year flood event. A hydraulic model was developed by HSI to study flooding at various flood frequencies. Potential flood reduction alternatives identified included increasing culvert capacities, redirecting certain drainage courses, construction of berms to detain overbank flows in existing or created impoundment areas, modifications to the upstream Milliken Dam to attenuate flood flows, and several combinations of these alternatives that would maximize the reduction of possible flooding.

As a result of the study, County staff worked with FEMA to map a Special Flood Hazard Area (SFHA) on Kaanapali Drive. The original study did not contain enough information to establish base flood elevations (BFEs) for the SFHA, so in August 2010, the County continued the hydrology and hydraulic analysis of the Milliken Creek watershed to its termination into the Napa River. The purpose of the new study was not only to establish BFEs, but also to evaluate possible additional improvements for additional flood reduction possibilities.

In March 2010, the County hired Riechers Spence and Associates (RSA) to perform a cost benefit analysis for the project alternatives identified in the original report. RSA was able to incorporate existing known data into their

analysis, and also evaluated several additional flood reduction alternatives. In December 2011, RSA completed their cost-benefit analyses; based on their evaluations, the following alternatives were recommended for this Project:

1. Removal of an existing dam which is a barrier to fish passage and restoration of the Milliken Creek channel;
2. Restoration of the overland release path through Hillcrest Drive and Atlas Peak Road; and
3. Strategic flood proofing on the south, north, and east side of Kaanapali Drive.

Based on the recommendations in the RSA report and a request for support from several Kaanapali Drive homeowners, the Board approved the use of Measure A funds in 2012 to implement a flood reduction project. During 2013, staff worked with property owners and Silverado Resort to reach concurrence on project objectives and awaited the property owner's formation of a Homeowners Association (HOA), which could enter into an agreement with the County and the Resort. The Kaanapali Drive HOA was approved by the property owners in January 2014. A Request for Proposals for design of the above flood reduction improvements was issued on January 31, 2014. Interviews were held on March 19 and 20, and based on previous experience with similar projects, Mead & Hunt out of Sacramento was chosen as the most qualified firm.

Agreement No. 8200 for professional services related to design costs for all project elements with the exception of dam removal and stream restoration was signed in August 2014. Amendment No. 1 to Agreement No. 8200 adding the dam removal and stream restoration portion of the project was approved on June 23, 2015, and Amendment No.2 to Agreement No. 8200 adding addition environmental, planning and design services, as well as additional activities related to FEMA compliance was approved on June 7, 2016. Since the approval of Amendment No. 2, all resource agency permits have been approved, and design phase is nearing completion. In order to move the project from design phase activities to bid, construction, and post-construction phase activities, Amendment No. 3 is necessary.

Amendment No.3 revises the scope and compensation of Agreement No. 8200 to include bid, construction, and post-construction phase activities, including the following:

1. Bid-Phase Assistance - Compiling plans and specifications for advertisement, responding to contractor questions;
2. Construction Phase Assistance - Pre-construction meetings, biological resource surveys, construction inspection and oversight; and
3. Post-Construction Activities - Biological monitoring and reporting to resource agencies.

Amendment No.3 also includes the payment of FEMA fees associated with the approval of the Conditional Letter of Map Revision, and the correction of a budget discrepancy discovered after the approval of Amendment No. 2 which did not fully cover costs associated with the additional surveying needed to complete the hydraulic modeling.

Staff anticipates coming back to the Board for approval to advertise Plans and Specifications in early spring, with construction set to start in June 2017. As of the date this item was prepared, it was unclear whether Silverado Country Club was going to allow us to move forward with the dam removal portion of the project. The dam is located on their property. If they do not, the dam removal will be eliminated from the design and construction documents and the remaining elements of the project will be completed as planned.

Mead & Hunt is not a local vendor. The firm is located in Sacramento.

SUPPORTING DOCUMENTS

None

CEO Recommendation: Approve

Reviewed By: Bret Prebula