

Central Services
Joan Araujo, Director

Engineering Services
Christopher Cooper, Director

Roads & Transportation
Christopher Kurgan, Director

Water & Sanitation
Joseph Pope, Director

Watershed Protection
Glenn Shephard, Director

October 12, 2021

Board of Supervisors
Ventura County Watershed Protection District
800 South Victoria Avenue
Ventura, CA 93009

Subject: Approval of, and Authorization for the Director of the Public Works Agency or His Designee to Execute, Modification 1 of a Consultant Services Contract with GEI Consultants, Inc. of the City of Carlsbad, California for Engineering Services for the Investigation of Detention Dams and Debris Basins Update, for the Additional Contract Amount of \$427,850, for a Total Contract Not to Exceed Amount of \$626,470; Contract No. AE20-049; Project No. P6015024; Supervisorial District No. All; Watershed Protection District Zone No.s 1, 2, 3, and 4.

Recommendations:

1. Approve Modification 1 of a consultant services contract with GEI Consultants, Inc. of the City of Carlsbad, California for engineering services for the Investigation of Detention Dams and Debris Basins Update, for the Additional Contract Amount of \$427,850, for a Total Contract Not to Exceed Amount of \$626,470.
2. Authorize the Director of the Public Works Agency or his designee to execute the subject Contract Modification if approved.

Fiscal/Mandates Impact:

| | |
|------------------------------|-----------------------------|
| Mandatory: | No |
| Source of Funding: | Watershed Protection Zone 3 |
| Funding Match Required: | No |
| Impact on Other Departments: | None |



Summary of Revenue and Total Costs:

| | | <u>FY 2021-22</u> | | <u>FY 2022-23</u> |
|--------------------------|----|--------------------------|----|--------------------------|
| Revenue: | \$ | 0 | \$ | 0 |
| Costs: | | | | |
| Direct | \$ | 427,850 | \$ | 0 |
| Indirect – Agency/Dept. | \$ | 0 | \$ | 0 |
| Indirect – County CAP | \$ | 0 | \$ | 0 |
| Total Costs | \$ | 427,850 | \$ | 0 |
| Net Costs | \$ | 427,850 | \$ | 0 |
| Recovered Indirect Costs | \$ | 0 | \$ | 0 |

Current Fiscal Year Budget Projections:

| Current FY 2021-22 Budget Projection for Watershed Protection District Zone 3 - Unit 4231 | | | | |
|--|-------------------|--------------------|---------------------|--------------------------------|
| | Adopted Budget | Adjusted Budget | Projected Budget | Estimated Savings/(Deficit) |
| Appropriations | \$5,933,300 | \$5,933,300 | \$5,933,300 | \$0 |
| Revenue | \$8,422,700 | \$8,422,700 | \$8,422,700 | \$0 |
| Net Cost | \$(2,489,400) | \$(2,489,400) | \$(2,489,400) | \$0 |

Sufficient appropriations are included in the FY 2021-22 Adopted Budget.

Discussion:

The purpose of this consulting services contract is to complete an assessment of Ventura County Public Works Agency – Watershed Protection’s (Watershed Protection’s) detention and debris basin dam portfolio (Location Map shown as Exhibit 1) to identify and prioritize upgrades and retrofits necessary to bring the facilities into conformance with the Watershed Protection’s current design and performance criteria, as well as with the industry safety requirements. Once the necessary upgrades and retrofits are prioritized, individual projects for the deficient facilities will be included in future Watershed Protection Capital Improvement Plans (CIP).

A similar review and evaluation of Watershed Protection’s dam portfolio was completed in 2004 with the main recommendations for improvements to facilities implemented. There are a few projects in the current CIP that remained from the 2004 study that will be informed by this contract. A new component in the proposed assessment is a risk analysis of dam failure that was not part of the 2004 study. The risk analysis will provide for risk-based decision making and prioritization of the identified mitigation measures.



On August 31, 2020, Watershed Protection approved a contract with GEI Consultants, Inc. (GEI), for a not-to-exceed amount of \$198,620 to complete an initial review of the dam portfolio (known as Phase 1), including review of existing information, initial site visits, and evaluations. The current dam portfolio, consisting of 53 facilities, was visited by the consultant under the current contract to collect initial information for this proposed analysis. Some of the facilities will be excluded from the dam portfolio and further study because either the embankment is less than 6 feet high; the facility meets exclusion criteria of not being a dam; or the risk of loss of life and property damage, should the facility fail, is very low.

Modification 1 of the contract will cover the scope of Phase 2, including detailed site inspections for these 53 critical facilities, risk categorization analysis of potential failure modes and prioritization of the mitigation measures. The final phase (Phase 3) of the contract will provide conceptual designs of the most critical upgrades and retrofits. Phases 2 and 3 were included as anticipatory modifications in the original contract to GEI Consultants.

Modification 1 (Exhibit 2) was negotiated with GEI in accordance with the policy on Contracting for Professional Consulting Services adopted by your Board. Modification 1 increases the not to exceed amount of the Contract by \$427,850, for a revised total fee of \$626,470. All work on Modification 1 shall be completed by June 15, 2022.

The Modification is on a standard form previously reviewed by County Counsel.

This item has been reviewed by the County Executive Office, the Auditor-Controller's Office, and County Counsel.

If you have any questions concerning this item, please contact Glenn Shephard at (805) 654-2040.

Sincerely,



Glenn Shephard, P.E.
Director, Watershed Protection

Attachments:

Exhibit 1 – Location Map

Exhibit 2 – Modification 1 of Professional Services Contract AE20-049

