

Central Services
Joan Araujo, Director

Engineering Services
Vacant, Director

Roads & Transportation
Anitha Balan, Director

Water & Sanitation
Vacant, Director

Watershed Protection
Jeff Palmer, Director

July 23, 2024

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

Subject: Confirm Modifications Nos. 7 through 13 to Professional Services Contract No. AE18-034 with AECOM Technical Services, Inc. for Engineering Services for the Matilija Dam Removal 65% Design Planning Project Previously Approved by a Deputy Purchasing Agent in the Collective Amount of \$441,161, for a Total Contract Not to Exceed Amount of \$2,129,894; Approval of the Use of Grant Funding to Pay for Modification Nos. 9 and 10; Contract No. AE18-034; Project Nos. P6081905, P6081925, P6081931; Watershed Protection District Zone 1; Supervisorial District No. 1.

Recommendations:

1. Confirm Modification Nos. 7 through 13 to Professional Services Contract No. AE18-034 with AECOM Technical Services, Inc. (attached hereto as Exhibits 3 through 13) for Engineering Services for the Matilija Dam Removal 65% Design Planning Project previously approved by a Deputy Purchasing Agent in the Public Works Agency in the collective amount of \$441,161 for a total contract not to exceed amount of \$2,129,894.
2. Approve the use of grant funding to pay for Modification Nos. 9 and 10.

Fiscal/Mandates Impact:

Mandatory:	No
Source of Funding:	California Department of Fish and Wildlife, California Department of Water Resources, and California Coastal Conservancy
Funding Match Required:	Yes
Impact on Other Departments:	None



Summary of Revenue and Total Costs:

	<u>FY 2024-25</u>	<u>FY 2025-26</u>
Revenue:	\$ 441,161	\$ 0
Costs:		
Direct	\$ 441,161	\$ 0
Indirect – Agency/Dept.	\$ 0	\$ 0
Indirect – County CAP	\$ 0	\$ 0
Total Costs	\$ 441,161	\$ 0
 Net Costs	 \$ 0	 \$ 0
Recovered Indirect Costs	\$ 0	\$ 0

Current FY Budget Projection:

Current FY 2024-25 Budget Projection for Watershed Protection District Zone 1 - Unit 4211				
	Adopted Budget	Adjusted Budget	Projected Budget	Estimated Savings/ (Deficit)
Appropriations	\$9,580,000	\$9,580,000	\$9,580,000	\$0
Revenue	\$13,539,200	\$13,539,200	\$13,539,200	\$0
Net Cost	(\$3,959,200)	(\$3,959,200)	(\$3,959,200)	\$0

Sufficient appropriations and revenue are included in the FY 2024-25 Zone 1 Adopted Budget.

Discussion:

On May 23, 2017, your Board accepted a \$3,300,504 California Department of Fish and Wildlife Restoration Grant (CDFW Grant) for the Matilija Dam Removal 65% Design Planning Project located in the Unincorporated County of Ventura (see attached Exhibit 1 Vicinity Map and Exhibit 2 Location Map). The CDFW Grant focuses on advancing the Matilija Dam Ecosystem Restoration Project (MDERP) from conceptual design, through a feasibility study to 65% design (per the CDFW Proposal Solicitation Notice definition). The main CDFW Grant tasks are: Project Management and Administration, Field Investigations, Dam Removal Feasibility Study, Independent Technical Review, Review and Update Real Estate Plan, Overall Project Permitting Plan, Update CEQA/NEPA, 65% Design Documents, and Prepare Final Report. A contingency of \$1,731,114 was added by CDFW to the CDFW Grant in January 2023 for a total CDFW Grant amount of \$5,031,618 (Exhibit 3).

In addition, on September 13, 2022, your Board approved and authorized the acceptance of a grant in the amount of \$61,770 from the California Department of Water Resources



as recipient of U.S. Department of Homeland Security Fiscal 2020 Rehabilitation of High Hazard Potential Grant Program (HHPD 2020 Grant) to advance the structural analysis of the preferred Matilija Dam removal alternative of boring two large diameter orifices through the dam to initiate reservoir drawdown and the evacuation of fine sediment prior to beginning the full dam removal (Exhibit 4). The HHPD 2020 Grant requires a 35% Non-Federal cost share. The HHPD 2020 Grant was subsequently increased to \$88,494 which with the 35% Non-Federal Amount of \$47,651 has a combined maximum of \$136,145. Because the actual contract amount was \$128,661, the HHPD 2020 Grant will cover 65% or \$83,630 of the cost with match funding in the amount of \$45,031 coming from the California Department of Fish and Wildlife Grant, Project P6081905. This work was contracted for under Contract No. AE18-034 Modification 10 as discussed below.

On June 20, 2023, your Board also ratified and approved the execution of a grant agreement with the California Coastal Conservancy for an amount of \$358,000 for the Matilija Dam Removal – Additional Pre-Construction Activities and Support Project (Pre-Construction Activities Grant) for technical review of the MDERP by the U.S. Bureau of Reclamation (USBR) and to address USBR's request, that finer-grained sediment, specifically sand with grain sizes from 0.0625 mm to 2 mm be added to the project's 2-dimensional (2D) sediment transport models to determine the sensitivity of previous model results to the addition of sand and to assess model sensitivity to increasing the rate of sediment release during the initial flushing event (Exhibit 5). This work was contracted for under Contract No AE18-034 Modification 9 as discussed below.

On February 6, 2018, your Board approved a contract with AECOM Technical Services, Inc. for the Project for \$822,302 (Exhibit 6) to complete field investigations, technical studies, and a feasibility study (equivalent to 10% design) and on December 15, 2020, your Board confirmed Modification Nos. 1-5 and approved Modification No 6 for a Total Contract Not to Exceed Amount of \$1,688,733 (Exhibit 7). As indicated in the February 6, 2018 Board Letter, tasks included in the Grant, but not in the initial contract scope of work, would be completed by other contracts or future modifications to this contract.

Modification No. 7 (Exhibit 8) was executed in February 8, 2022 to 1) expand the limits of the previously completed 2-dimensional (2D) modeling work and to add greater detail to the results for property and infrastructure protection planning prior to dam removal, and; 2) revise the results of analyses completed under several Phase 1 subtasks as informed by the additional 2D modeling for an additional contract amount of \$85,100 and to extend the contract schedule.

Modification No. 8 (Exhibit 9) was executed on November 22, 2022 to 1) coordinate review of potential issues relevant to the public, 2) respond to public comments received during the public review of the draft Supplemental Environmental Impact Report (SEIR), 3) provide minor revisions to the design documents in response to public comments received, 4) participate in public meetings and conduct monthly update meetings remotely, and 5) provide project management and quality assurance/quality control during



the execution of these tasks for an additional contract amount of \$37,400 and to extend the contract schedule.

Modification No. 9 (Exhibit 10) was executed on April 13, 2023, to perform additional 2D sediment transport modeling and model validation to assess modeling sensitivity to the inclusion of fine grained sands and increasing the rate of sediment evacuation from the reservoir by 30% for an additional contract amount of \$179,000 and to extend the contract schedule.

Modification No. 10 (Exhibit 11) was executed on June 8, 2023, to 1) advance the structural analyses and structural design for the proposed orifices either by a controlled blasting to remove concrete "plugs" left intact at the upstream end of the orifices, or by opening gates installed at the downstream end of the orifices to the 30 percent level, 2) coordinate design development with the California Department of Safety of Dams review of the project, 3) document the design development and conclusions in a Design Memorandum and 4) provide project management and quality assurance/quality control during the execution of these task for an additional contract amount of \$128,661.

Modification No. 11 (Exhibit 12) was executed on August 7, 2023 to extend the contract time to allow for review of work under Modification Nos. 9 and 10 by outside agencies.

Modification 12 (Exhibit 13) was executed on January 4, 2024 to perform a 2D sediment transport model of a single 10-year storm event, representative of a "Qualifying Event" to determine the limits of sediment deposition and water inundation from the Qualifying Event at an additional contract cost of \$11,000 and to extend the contract time.

Modification No. 13 (Exhibit 14) was executed on July 11, 2024 to extend the contract time for CEQA review and response to public comments on the Draft 65% design.

These contract modifications result in a net increase of \$441,161 for a revised total fee of \$2,129,894. The current contract completion date is December 31, 2025.

Strategic Plan:

This item contributes to the Board of Supervisors (Board's) 2024-2027 strategic priority to provide:

- III. Reliable infrastructure and sustainability through
 - 3. Investing in sustainable infrastructure, renewable energy, and preservation of our natural resources.

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 the undersigned at (805) 654-2040.



Sincerely,



Jeff Palmer, P.E.
Director
Watershed Protection District

Attachments:

- Exhibit 1 – Vicinity Map
- Exhibit 2 – Location Map
- Exhibit 3 – CDFW Grant
- Exhibit 4 – HHPD 2020 Grant
- Exhibit 5 – CA Coastal Conservancy Grant
- Exhibit 6 – BL AE18-034
- Exhibit 7 – BL AE18-034 Modifications 1-6
- Exhibit 8 – Modification 7
- Exhibit 9 – Modification 8
- Exhibit 10 – Modification 9
- Exhibit 11 – Modification 10
- Exhibit 12 – Modification 11
- Exhibit 13 – Modification 12
- Exhibit 14 – Modification 13

