

**Requested Action:**

Approve the Executive Director to authorize the AECOM (Engineering-Reservoir) Amendment 3 Task Order No. 3 scope of work with a not-to-exceed contract authority of \$16,009,364.64 for the period of January 1, 2022 through December 31, 2024.

**Detailed Description/Background:**

On September 22, 2021, the Reservoir Committee approved a work plan for the Amendment 3 period of performance of January 1, 2022 through December 31, 2024 which included Engineering-Reservoir activities. AECOM has satisfactorily performed these services for the Authority since 2019. The below summary of the scope of services contained in the proposed AECOM's Task Order No. 3 was negotiated and is recommended by the Authority Agents to achieve the required deliverables and milestones for Amendment 3.

The Board is reminded that this contract will be managed to the total authority and the annual authorized expenditures (by calendar year) reflected in the approved annual budget. An annual Notice to Proceed will be issued to the consultant reflecting these conditions. The proposed agreement amendment contains the following subtasks with estimated costs as shown:

- **Project Coordination:** Attend and participate in meetings with Authority staff, other consultant team members, agencies, and stakeholders. (\$445,435)
- **Support of Surveying & Topo Maps:** Support establishing the surveying and LiDAR topographic controls for the production of topographic maps. (\$48,921)
- **Geotechnical:** Support geotechnical investigation planning, coordinate field investigations, verification of exploration data, and review of Geotechnical Data Reports. (\$1,017,907)
- **Geotechnical Interpretation Reports:** Analyze geotechnical data and prepare interpretation reports supporting reservoir and roadway project facilities. (\$1,839,688)
- **Materials Handling and Development Plan:** Analyze and prepare reservoir/roadway material development and handling plan. (\$197,371)
- **Evaluate Onsite Water Supply:** Evaluate and recommend construction water sources that will meet project needs. (\$28,273)

- **Potential Failure Mode Analysis/Workshop:** Identify, describe, and evaluate dam and its appurtenant structures loading scenarios. (\$124,475)
- **Value Engineering for Preliminary Engineering:** Expanded analyses of reservoir and roadway feasibility-level value engineering (VE) recommendations. This includes coordination with the California Department of Water Resources Division of Safety of Dams (DSOD) for consideration to incorporate the dam-related VE proposals. Coordination with DSOD under this task is separate and in addition to the Coordination with Agencies task, listed below, that is required for DSOD project oversight in preparation of the 30% level of design for reservoir jurisdictional facilities. VE conceptual analyses, design, and updated cost estimate will be prepared in support of this activity. (\$474,097)
- **Project Construction Schedule and Sequencing Plan:** Support update of the project construction schedule and sequencing plan based on additional data and 30% level of design of reservoir and roadway facilities. (\$158,165)
- **Security:** Evaluate and recommend reservoir security implementations. (\$19,159)
- **Instrumentation:** Identify, describe, and implement instrumentation for monitoring dam performance. (\$51,508)
- **Draft Environmental Protection Requirements for BMPs:** Evaluate and incorporate environmental BMPs as part of the 30% level of design. (\$60,925)
- **30% Engineering Analyses:** Analyze, implement, and prepare technical memos and/or reports supporting the 30% level of design for reservoir project facilities. (\$1,446,040)
- **30% Basis of Design Report:** Prepare a basis of design report that documents the 30% level of design considerations, assumptions, and analyses for reservoir and roadway project facilities. (\$363,140)
- **30% Reservoir Facility Drawings:** Prepare 30% level of design drawings for reservoir project facilities. (\$789,794)
- **Spec List:** Prepare 30% level of design specifications. (\$30,735)
- **Update Cost Estimates:** Develop a Class 3 project cost estimate for reservoir and roadway facilities based on guidance defined by the Association for the Advancement of Cost Engineering (ACE). (\$375,401)
- **Coordination with Agencies:** Attend and participate in meetings with DSOD. (\$278,364)
- **Support Real Estate Activities:** Coordinate and support real estate activities. (\$169,381)
- **Final EIR/S Support:** Coordinate and support activities required to complete the Final Environmental Documents. (\$132,649)

- **Permit Support:** Coordinate and support permitting activities. (\$98,494)
- **Risk Management:** Prepare risk register updates for reservoir and roadway facilities and participate in risk workshops. (\$176,939)
- **Initiate Procurement Strategies/Project Delivery Methods:** Support evaluation and execution of project delivery methods for reservoir and roadway facilities. (\$48,071)
- **Demolition and Abandonment Plan for Valley:** Evaluate and prepare demolition and abandonment plan within the reservoir footprint to be included as part of the 30% level of design effort. (\$152,726)
- **Releases to Stone Corral Creek:** Support permitting activities and implement 30% level of design for environmental water releases to Stone Corral Creek. (\$114,207)
- **Regulatory Required Dam Break Analysis:** Analyze dam break scenarios as required by regulatory requirements. (\$153,478)
- **30% Roadway/Bridge Analyses/Drawings:** Analyze and prepare 30% level of design documents of project roadway facilities. (\$5,736,339)
- **Right of Way Needs Determination:** Evaluate and identify project real estate needs for reservoir and roadway facilities. (\$115,203)
- **Utility Coordination:** Identify existing utilities within the proposed reservoir and roadway improvement footprint. Coordinate removal and/or relocation of utility facilities that conflict with the project. (\$96,589)
- **Project Management:** Monitoring and reporting AECOM task order budgets, reviewing labor and expense effort, coordinating staff requirements, and implementing the quality control plan. (\$1,265,891)

The Authority's Standard Consulting Services Agreement was approved on July 16, 2018. Staff recently conducted a review of the Agreement to ensure it meets the growing needs of the Project. Minor changes were identified mostly related to clarification of provisions and updating Exhibits and other minor items. Staff is working with Authority counsel on these changes. An amended standard Agreement will be provided to the Authority in December for review and approval. The amended agreement will be used to amend the key consultants' agreements with the Authority. The agreement amendments will not impact scope, budget and schedule included in the key consultants' Amendment 3 task orders.

**Prior Action:**

September 22, 2021: Approved the Amendment 3 Project Agreement and Work Plan with a period of performance of January 1, 2022 to December 31, 2024 for the purpose of initiating Participant home board review, deliberation and execution of the agreement.

**Fiscal Impact/Funding Source:**

Sufficient funds are included in the Amendment 3 Work Plan. Consultant activity will be monitored closely to ensure quality, timely deliverables, and to ensure a positive project cash balance is always maintained. Key consultant contract authority will be approved for a 36-month period, however, task order scope and budgets will be reviewed and authorized on an annual basis.

**Staff Contact:**

Joe Trapasso/Marcus Maltby

**Primary Service Provider:**

AECOM

**Attachments:**

None