



Requested Action:

Approve the Executive Director to authorize CH2M Hill Engineers, Inc.'s (CH2M) (Engineering-Conveyance) Amendment 3 Task Order No. 3 scope of work for engineering design with a not-to-exceed contract authority of \$11,025,108.54 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-Conveyance activities. CH2M has satisfactorily performed these services for the Authority since 2019. The below summary of the scope of services contained in the proposed CH2M'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:

- **Value Engineering:** Evaluate and identify value engineering (VE) alternatives for conveyance facilities that may reduce project costs and/or improve performance. (\$64,879)
- **Preliminary Hydraulic Modeling:** Analyze and model the hydraulic performance of conveyance facilities to support 30% level of design activities. (\$339,470)
- **Preliminary Engineering:** Develop project-wide topographic survey and mapping; coordinate and support activities required to complete the Final Environmental Documents; coordinate and support permitting activities; support geotechnical investigation activities and prepare geotechnical interpretation reports supporting conveyance project facilities; execute 30% level of design analyses to support the preliminary design of conveyance facilities and document within a basis of design report; prepare 30% level of design drawings and specifications; develop a Class 3 project cost estimate for conveyance facilities based on guidance defined by the Association for the Advancement of Cost Engineering (AACE); prepare and submit an interconnection application with CAISO. (\$9,144,314)

- **Coordination with State Agencies:** Attend and participate in meetings with the California Department of Water Resources (DWR), Department of Transportation (CALTRANS), and the Central Valley Flood Protection Board (CVFPB). (\$107,538)
- **Support Real Estate Activities:** Coordinate and support real estate activities. (\$180,369)
- **Risk Management:** Prepare risk register updates for conveyance facilities and participate in risk workshops. (\$82,272)
- **Coordination with Local Agencies:** Attend and participate in meetings with counties that have proposed project conveyance improvements within their jurisdiction. (\$57,065)
- **Utility Coordination:** Identify existing utilities within the proposed conveyance improvement footprint. Coordinate removal and/or relocation of utility facilities that conflict with the project. (\$59,633)
- **Project Delivery Methods & Initial Procurement Strategy:** Support evaluation and execution of project delivery methods for conveyance facilities. (\$111,414)
- **Project Construction Schedule:** Support update of the project construction schedule based on additional data and 30% level of design of conveyance facilities. (\$79,051)
- **Project Management:** Monitoring and reporting CH2M task order budgets, reviewing labor and expense effort, coordinating staffing requirements, and implementing the quality control plan. (\$376,718)
- **Project Expenses:** Conduct LiDAR and imagery acquisition, travel, and miscellaneous expenses. (\$422,386)

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:

CH2M

Attachments:

None