



TODAY'S ACTION

Consider Approving a Professional Services Agreement with AECOM Technical Services, Inc., in the Amount of \$49,450 for Providing Safety Surveillance and Performance Evaluation of San Antonio Dam; and Authorizing the General Manager to Execute the Agreement.





Committee Action

- None.



Prior BOD Action

- On June 28, 2010, the Board of Directors approved a Professional Services Agreement with AECOM.
- The Board of Directors approved four contract amendments through fiscal year 2014-2015.



Financial Impact

- Total Cost: \$49,450.
- Payable from: Fiscal Year 2015-16, Fund 116, Dam Operations and Maintenance.



Discussion (cont.)

- The Agency sent out a Request for Proposals to 20 qualified consulting engineering firms for dam safety surveillance and performance evaluation services. Two firms submitted proposals, AECOM and TERRA Engineers, Inc.
- The cost estimate to complete Tasks 1-6 (required by the California Department of Water Resources Division of Safety of Dams) is the following:

AECOM - \$39,940

Terra Engineers, Inc. - \$27,592

- AECOM is recommended for their experience with San Antonio Dam, reporting requirements, and quality of deliverables.

Discussion (cont.)

Scope of Work needed to satisfy dam performance evaluation needs and DSOD requirements are Tasks 1-6:

Task	Description	Cost
1	Annual Inspection: Provide an annual visual safety inspection of San Antonio Dam.	\$2,150
2	Piezometer / Drain Data Review: Evaluate bi-monthly instrumentation data.	\$7,800
3	Survey Data Review: Evaluate survey displacement data.	\$3,120
4	Instrumentation Data Plots: Generate piezometer, seepage and survey displacement data plots.	\$8,560
5	Reporting: Prepare annual dam surveillance and performance evaluation report for submittal to DSOD.	\$15,820
6	Meetings: Provide time as needed for meetings with DSOD and Agency staff.	\$2,490
	Subtotal:	\$39,940
7	On-Call Response: On site dam inspection after a natural disaster or other event.	\$4,830
7.1	Earthquake Event Data Review: Provide time for the evaluation of instrumentation data in case of significant earthquake event.	\$4,680

Grand Total payable from FY 2015-16: \$49,450

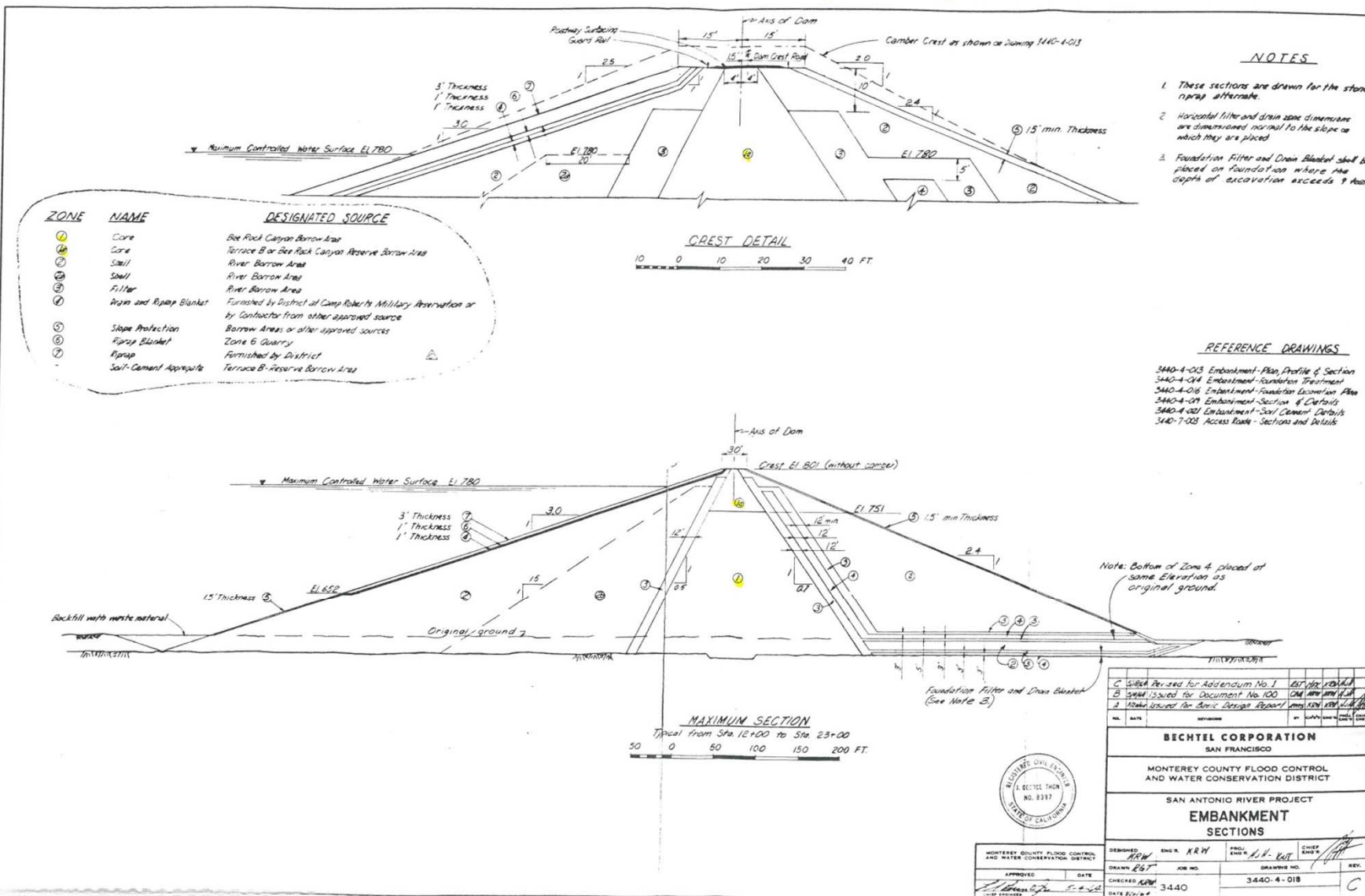


Discussion (cont.)

San Antonio Dam - Performance Surveillance Instrumentation



Discussion (cont.)



Discussion (cont.)

- All embankment dams are subject to seepage. Seepage control is necessary to prevent dam failure. Seepage and piezometer measurements are used to monitor the long-term performance of the dam.



Discussion (cont.)

Measuring seepage flow from a Left Abutment horizontal drain.





Discussion (cont.)

San Antonio Dam Performance Surveillance Instrumentation





Summary

- This Agreement with AECOM Technical Services, Inc., in the amount of \$49,450 is to provide safety surveillance and performance evaluation of San Antonio Dam.
- This Agreement is for a five-year term commencing on July 1, 2015, and is renewable on annual basis depending on the satisfactory completion of the contract requirements.



TODAY'S ACTION

Approve a Professional Services Agreement with AECOM Technical Services, Inc., in the Amount of \$49,450 for Providing Safety Surveillance and Performance Evaluation of San Antonio Dam; and Authorize the General Manager to Execute the Agreement.







TODAY'S ACTION

Consider Approving Budget Amendment No. 5 for the Water Resources Agency Authorizing the Auditor-Controller to Amend the Monterey County Water Resources Agency's FY 2014-15 Adopted Budget for the Nacimiento Dam O&M Fund 116, Appropriation Unit WRA006 to Increase Estimated Revenue & Appropriations by \$600,000 for Modifications to the Nacimiento Dam Inflatable Spillway Gates:

- i. Amending the FY 2014-15 Adopted Budget, Dept. 9300, Unit 8267, Fund 116 Nacimiento Dam O&M, Appropriation Unit WRA006, Account 5490 to Increase Revenue by \$600,000 (4/5th Vote Required); and,
- ii. Amending the FY 2014-15 Adopted Budget, Dept. 9300, Unit 8267, Fund 116 Nacimiento Dam O&M, Appropriation Unit WRA006, Account 6613, to Increase Appropriations by \$600,000 (4/5th Vote Required).





Financial Impact

- This budget amendment re-allocates reimbursed revenue of \$600,000 in Fund 116 from the County of Monterey that was used to finance the Inter-lake Tunnel Project
 - Enables the Agency to pay for this project and other budgeted Dam Program Projects



Discussion (cont.)

- The FY 2014-15 appropriated budgeted funds in 116 Dam Operations was leveraged to pay EPC invoices for the Inter-lake Tunnel Project.
- The County reimbursement agreement allows for these invoices to be reimbursed upon approval from the CAO within 30 days.
- The County is over 90 days late in approving and reimbursing the Agency for EPC invoices and this delay is impeding the Agency from working on Dam Projects required by DSOD.
- The Agency will be working with the County to address this issue with the third reimbursement agreement.



Summary

- This action is necessary to keep the flow of budgeted projects moving without delay



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TODAY'S ACTION

Consider Approving and Recommending that the Monterey County Water Resources Agency Board of Supervisors Approve a Third Reimbursement and Funding Agreement Between the County of Monterey and the Monterey County Water Resources Agency for Preliminary Engineering and Design; Further Water Rights Analysis; Spillway Modification Feasibility; Technical Support to the Monterey County Water Resources Agency During Design; Environmental Consulting Services; and Program Management for the Interlake Tunnel Project, Substantially in the Form of Agreement Attached and Subject to Approval by County Counsel





Financial Impact

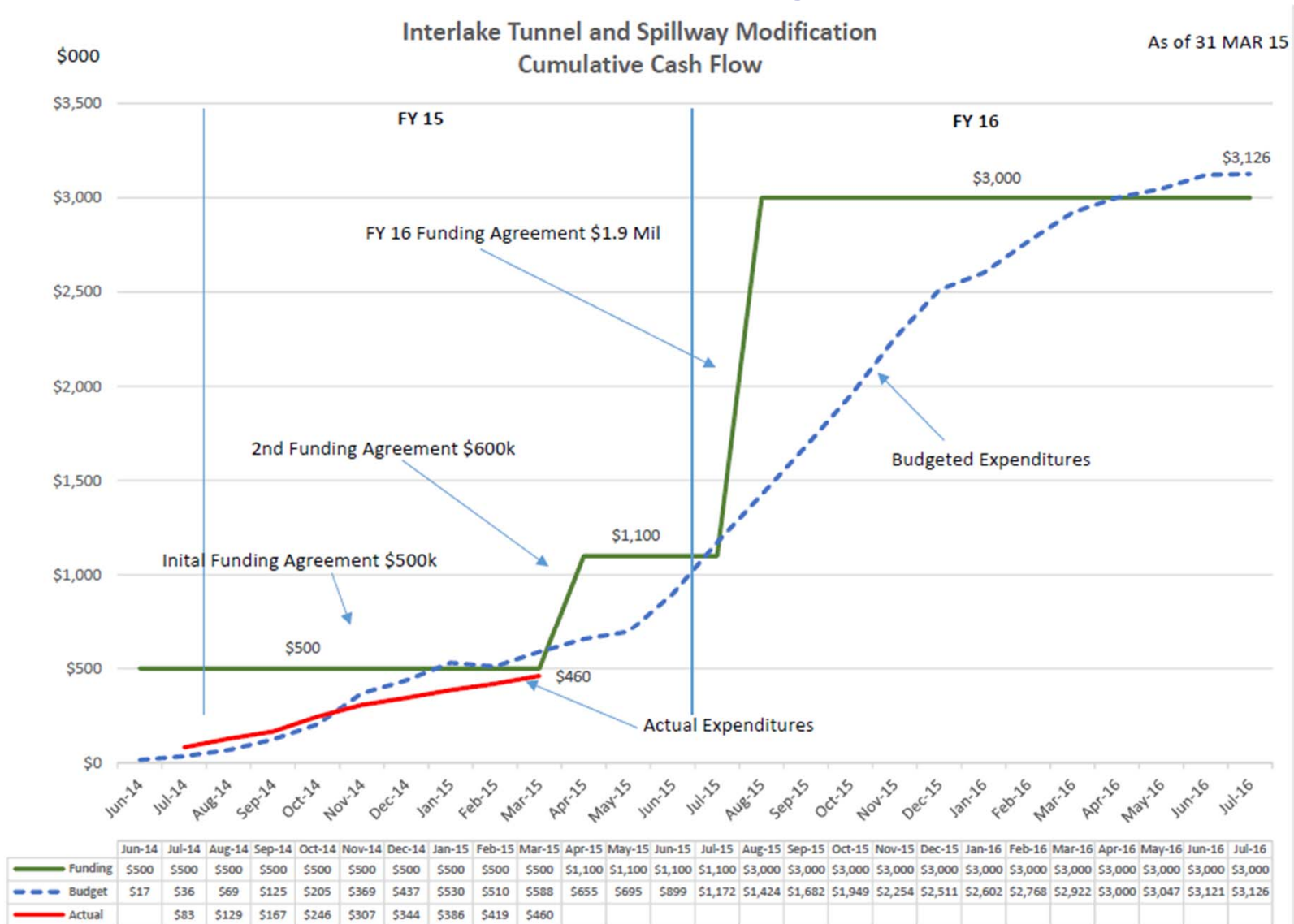
This Third Reimbursement and Funding Agreement will cause the County to reimburse to the Agency up to the sum of \$2,026,000 for the purpose of funding to perform an updated scope of work, that would include the Spillway Modification at San Antonio, and to perform geotechnical and final design engineering; permitting and environmental approval; financing plan preparation and implementation; technical support to the agency, and implementation and program management services.



Discussion (cont.)

- This sum is in addition to the sum of \$500,000 that was to be reimbursed under the First Reimbursement Agreement, and \$600,000 to be reimbursed under the Second Reimbursement Agreement.
- Funding for services in Fiscal Year 2017 will be subject to a negotiated Fourth Reimbursement and Funding Agreement, and subject to available appropriations during the Fiscal Year 2017 budget process.

Summary





TODAY'S ACTION

Approve and Recommend that the Monterey County Water Resources Agency Board of Supervisors Approve a Third Reimbursement and Funding Agreement Between the County of Monterey and the Monterey County Water Resources Agency for Preliminary Engineering and Design; Further Water Rights Analysis; Spillway Modification Feasibility; Technical Support to the Monterey County Water Resources Agency During Design; Environmental Consulting Services; and Program Management for the Interlake Tunnel Project, Substantially in the Form of Agreement Attached and Subject to Approval by County Counsel

