



Legislation Text

File #: 2020-1310, **Version:** 1

To: Board of Directors, Sonoma County Water Agency
Department or Agency Name(s): Sonoma County Water Agency
Staff Name and Phone Number: Steve Koldis 707.547.1914
Vote Requirement: Majority
Supervisory District(s): Fourth and Fifth

Title:

Mirabel Inflatable Dam Fabric Replacement - Contract Award

Recommended Action:

- A) Adopt and approve the Project Manual and Drawings ("plans and specifications") entitled " Mirabel Inflatable Dam Fabric Replacement Project"
- B) Award the contract to Leonida Builders, Inc. for \$ 1,790,000 for construction of Mirabel Inflatable Dam Fabric Replacement and authorize the Chair to execute the contract.
- C) Authorize the General Manager of the Sonoma County Water Agency to sign Section 00 65 23 (Agreement and Release of Any and All Claims), with County Counsel review, if any unresolved claims are listed by the contractor.

(Fourth and Fifth Districts)

Executive Summary:

This item requests approval of a contract with Leonida Builders, Inc. for \$1,790,000 for construction of Mirabel Inflatable Dam Fabric Replacement Project (Project).

In 2016 Sonoma Water hired a consultant to conduct a condition assessment of the existing inflatable rubber dam located along the Russian River and found that it is near the end of its useful life. The dam is an essential element of Sonoma Water's river diversion facility for water supply purposes. The Project will replace the existing dam fabric with a contemporary design and provide decades of functional reliability so that Sonoma Water can continue to impound water for aquifer recharge purposes during dry months to meet the water supply needs of the service population.

Discussion:

The Mirabel Inflatable Dam was originally constructed in 1976 and its inflatable rubber fabric was replaced in 1995 after nearly 20 years of service. In 2005, the rubber dam, while still inflated, was submerged by an unexpected storm, which caused the dam to lift off its foundation, causing damage to the dam body requiring repair. The repair was completed the following summer in 2006. In 2016 a condition assessment of the dam found that the dam was near the end of its useful life and should be replaced within the next 5 years.

The Project consists of replacing the rubber dam fabric at Sonoma Water's Mirabel Inflatable Dam located at 10290 Westside Road, near the unincorporated town of Forestville, Sonoma County, California. The Work includes, but is not limited to, the removal of the existing rubber dam fabric and installation of approximately

180 lineal feet of replacement rubber dam fabric approximately 11 feet high on the existing concrete foundation. The new rubber dam fabric will be anchored to the concrete foundation by one existing upstream anchor line. The Work also includes construction of a coffer dam upriver and downriver, in conjunction with a dewatering system, to facilitate the removal of river channel material, construction of vegetated rock slope stabilization, and installation of the rubber dam fabric. Sonoma Water determined that the Project was exempt from CEQA and filed a Notice of Exemption for the Project on January 22, 2020. Work shall be completed within 130 Days from the date when Contract Time commences to run. Bidding Documents contain the full description of the Work.

The low bid was approximately 26% higher than the Engineer Estimate, which appears to reflect the inherent risk and premium paid for construction within the river channel during dry months. Since the work is within the river channel, regulators require that the work be limited to between June 15th and October 15th.

Competitive Process, Selection & Cost Detail

The Project was advertised for bids: 10/08/2020

Bids were opened: 11/10/2020

Bids for construction of said Project were received on November 10, 2020, as follows:

Leonida Builders, Inc., Santa Clarita, CA	\$1,790,000
Power Engineering Construction CO., Alameda, CA	\$1,882,700
Sierra Mountain Construction, Inc., Sonoma, CA	\$1,922,000

The Engineer's Estimate was \$1,325,000.

The lowest responsive and responsible bid is from Leonida Builders, Inc. and is \$465,000 above the Engineer's Estimate. Leonida Builders, Inc. is experienced in this type of construction and met the experience requirements.

A contractor must execute a release of claims (Section 00 65 23) before final payment but may except any unresolved claims from the release. The requested action authorizes the General Manager to approve the release unless the contractor lists unresolved claims. In that case, County Counsel must review Section 00 65 23 prior to General Manager approval.

Construction on the Project is scheduled to begin approximately March 15, 2021, with an estimated completion date of July 22, 2021.

ALTERNATIVES

Non-approval will compromise Sonoma Water's ability to meet summer water supply demands by having to rely on the existing rubber dam fabric that is near the end of its useful life.

Prior Board Actions:

06/09/2020: Board action to Reject all bids received for the Mirabel Inflatable Dam Fabric Replacement

Project.

06/28/2006: Resolution 06-0626 of the Board declaring an emergency need to repair the Agency's Inflatable Dam.

FISCAL SUMMARY

Expenditures	FY 20-21 Adopted	FY21-22 Projected	FY 22-23 Projected
Budgeted Expenses	\$1,790,000		
Additional Appropriation Requested			
Total Expenditures	\$1,790,000		
Funding Sources			
General Fund/WA GF			
State/Federal			
Fees/Other	1,790,000		
Use of Fund Balance			
Contingencies			
Total Sources	\$1,790,000		

Narrative Explanation of Fiscal Impacts:

Budgeted amount of \$1,790,000 is available from FY 2020/2021 appropriations for the Common Facilities Fund. No additional appropriation is required.

Staffing Impacts:			
Position Title (Payroll Classification)	Monthly Salary Range (A-I Step)	Additions (Number)	Deletions (Number)

Narrative Explanation of Staffing Impacts (If Required):

N/A

Attachments:

None.

Related Items "On File" with the Clerk of the Board:

Project Manual and Drawings