

Staff Report

for the Regular Meeting of the Board of Directors, July 14, 2021

TO: Board of Directors

FROM: Adrian Schneider, P.E., Senior Engineer
Doug Roderick, P.E., Interim Engineering Manager

DATE: July 6, 2021

SUBJECT: French Dam Upgrades (FATR #2007 and #2360) (Consent)

ENGINEERING

RECOMMENDATION:

Award a construction contract with Glissman Excavating Inc. in the amount of \$677,933.97 and authorize the General Manager to execute the appropriate documents.

BACKGROUND:

The French Dam Upgrades project consists of three major items (Upgrades) as described below. These items are regulatory requirements/upgrades per DSOD and FERC.

Upgrade 1 addresses spalling and damage of the dam's upstream face. The contractor will remove spalled and loose concrete, install steel anchors, attach rebar to the steel anchors, and shotcrete the area.

Upgrade 2 addresses two existing weathered rock training walls that act to extend spills away from the lower portions of the dam from the spillway. This includes placing anchors into the existing rock walls, placing rebar over rock wall and attaching to the anchors, and shotcreting the assembly.

Upgrade 3 is the construction of a new gauging station and will be located approximately 65 feet downstream of the dam outlet within Canyon Creek. The new gauging station structure will be constructed in an area that is comprised of bedrock covered with loose rock. The loose rock will be removed for construction of the gauging station and may entail removing

solid rock for the base. The gauging station will be constructed of local rock materials, shotcreted, and stabilized with wire mesh and steel anchors.

Upgrades 1 and 2 are part of the French Dam Upstream Lining and Training Wall improvements covered under FATR# 2360. Upgrade 3 is covered under FATR# 2007. Both of these projects are part of the approved 2021 budget.

The plans and specifications were sent out to 12 contractors on May 7, 2021. An additional contractor received plans and specifications on June 2, 2021. On July 1, 2021 the District received quotes from three contractors. The submitted quotes are listed below:

Contractor	Quote
Glissman Excavating	\$677,933.97
Syblon Reid	\$1,566,340
K.W. Emerson	\$1,972,874
Engineer's Estimate	\$871,740

All construction management and inspection will be performed by District staff. The project will include environmental mitigations, monitoring, and reporting following the requirements of the 1600 and 401 permits. The project is anticipated to begin August 2, 2021, and completed by November 2021.

It is the recommendation of staff to award a construction contract with Glissman Excavating Inc. in the amount of \$677,933.97.

BUDGETARY IMPACT:

The 2021 budget for the project is a combined \$1,560,000. This includes \$520,000 for the gauging station and \$1,040,000 for the upstream lining and the training walls. To date, \$193,611 has been spent on this project. After this commitment, there will be \$688,445 remaining in Account #50112-52921 for FATR's 2007 and 2360.

Attachments: (1)

- Vicinity Map

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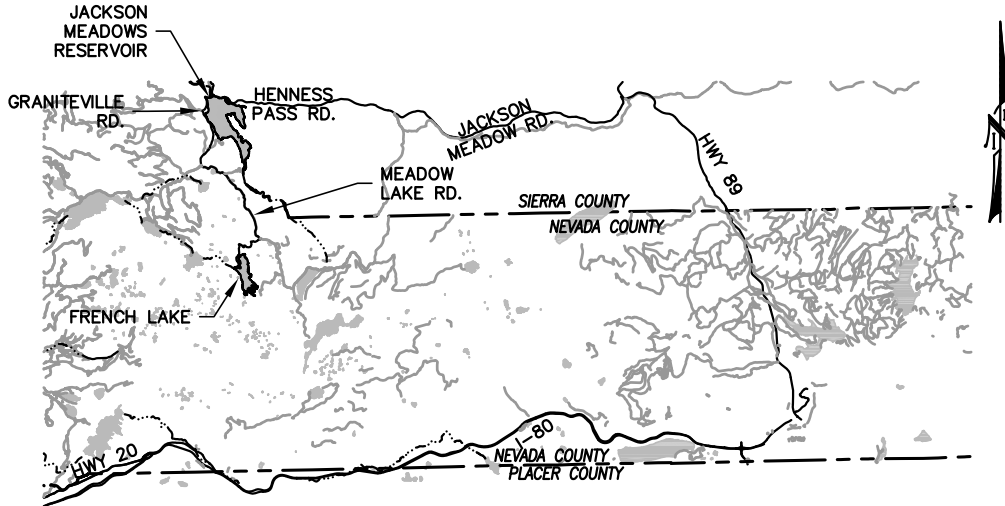
NEVADA IRRIGATION DISTRICT

NEVADA AND PLACER COUNTIES, CALIFORNIA

PROJECT FOR FRENCH DAM

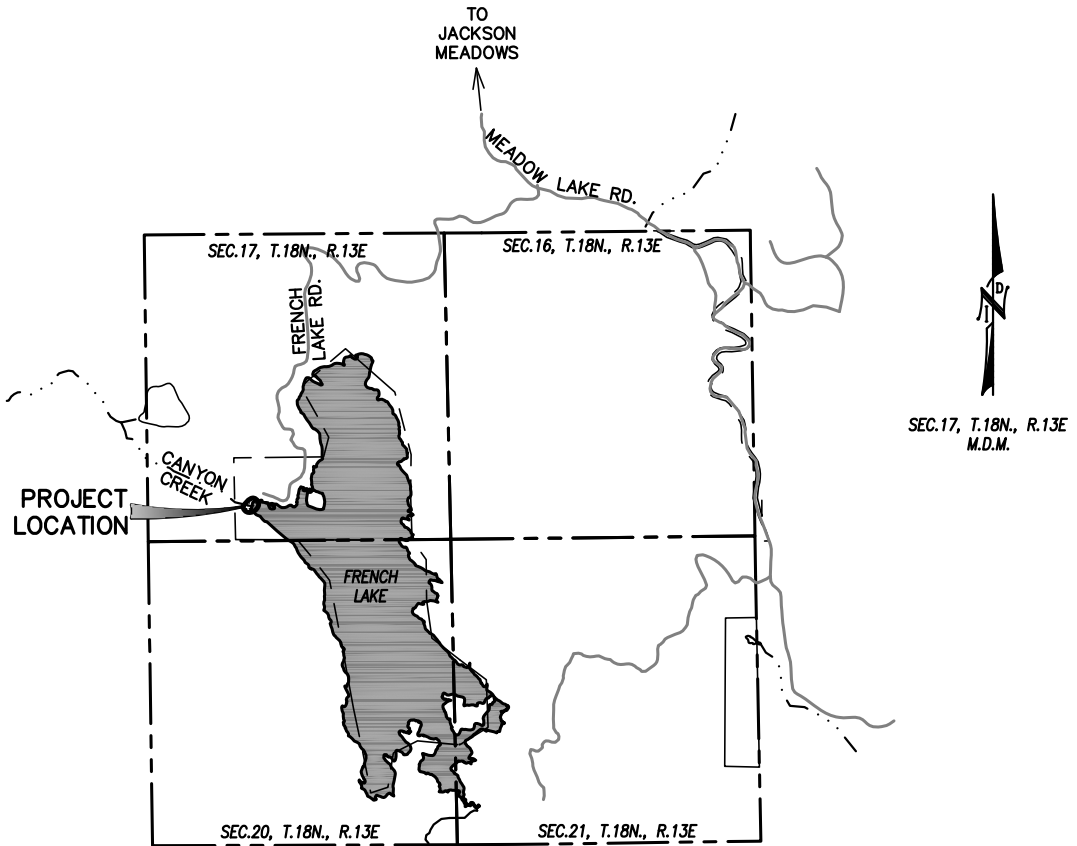
DATE July 7, 2021

SCALE: Not to Scale



VICINITY MAP

NOT TO SCALE



PROJECT LOCATION

NOT TO SCALE