



Staff Report

TO: Board of Directors

FROM: Tonia M. Tabucchi Herrera, PE, Senior Engineer
Doug Roderick, PE, Interim Engineering Manager

DATE: September 22, 2021

SUBJECT: Hemphill Diversion Structure Project (Project #7032) Fish Passage Design Contract (Consent)

ENGINEERING

RECOMMENDATION:

Award a consulting contract for professional engineering design services in the amount of \$294,166 to McMillen Jacobs, approve Budget Amendment 2021-183, and authorize the General Manager to execute the appropriate documents.

BACKGROUND:

The Hemphill Diversion Structure is identified as a fish barrier to anadromous and year-round resident fish migration within Auburn Ravine. As a result, the District has completed various studies for the Hemphill Diversion Structure Project to improve fish passage at the structure location. Three alternatives were considered for evaluation in the environmental review process. The roughen rock ramp fish passage was determined to be the environmentally superior alternative and was approved as the project at the July 28, 2021, regular Board meeting.

A request for proposals (RFP) for professional engineering design services for the roughen rock ramp fish passage, Hemphill Canal improvements, and fish screening was sent to 15 qualified engineering firms. Seven firms formally declined to submit a proposal, one firm teamed with another and three proposals were received.

The proposals were reviewed by five Staff members independently, without knowledge of the proposed costs. The District's rankings were based consultant's project understanding and approach, technical expertise and qualifications, and propose schedule for completion (as described in the RFP). Each criterion has a percentage value-weighted against the ranking to evaluate the proposals. The

costs were then added to determine the final ranking, and the results were discussed as a team.

Below are the proposers and their associated rankings. The first column has the cumulative scores without the cost of the analysis, and the second column has the cumulative scores with the costs included. The third column is the proposers' cost.

Proposing Firm	Ranking without Cost	Ranking with Cost	Cost
KPFF ConsultingEngineers	10.625	12.625	\$400,369
McMillen Jacobs Associates	13.05	15.45	\$294,166
NHC Balance	12.2	14.3	\$387,855

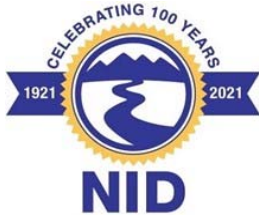
Part of the requirements of the RFP included having a completed design package so that it can be released on March 1, 2022. This date is important as it's a condition of the settlement agreement with Water Audit California to award a contract within ten months of adoption.

BUDGETARY IMPACT:

This project is part of the Non-programmatic budget (10151-52915). The remaining balance of the 2021 budget for this project is \$166,278. A Budget Amendment is requested to transfer \$150,000 from the North Auburn Treatment Plant Project's budget (10151-52915-2376) to the Hemphill Diversion Structure Project (10151-52915-7032). This transfer will leave a remaining balance of \$450,000 in Project #2376 for 2021.

Attachments: (2)

- Budget Amendment Request 2012-183
- Project Vicinity Map



NEVADA IRRIGATION DISTRICT BUDGET AMENDMENT FORM

Budget
Amendment #

BA 2021 - 183

Date: 9/22/2021
 To: Jennifer Hanson, General Manager
 From: Doug Roderick, Interim Engineering Manager

Initial DR

Budget Increase: Accounts being increased. Enter positive number.

Department	Object / Account	Amount Increase
10151 Engineering	52915 Project: Non-Programmatic	\$ 150,000

Budget Decrease: Accounts being decreased. Enter negative number.

Department	Object / Account	Amount (Decrease)
10151 Engineering	52915 Project: Non-Programmatic	\$ (150,000)

Reserve Impact: Increase = Positive, Decrease = Negative.

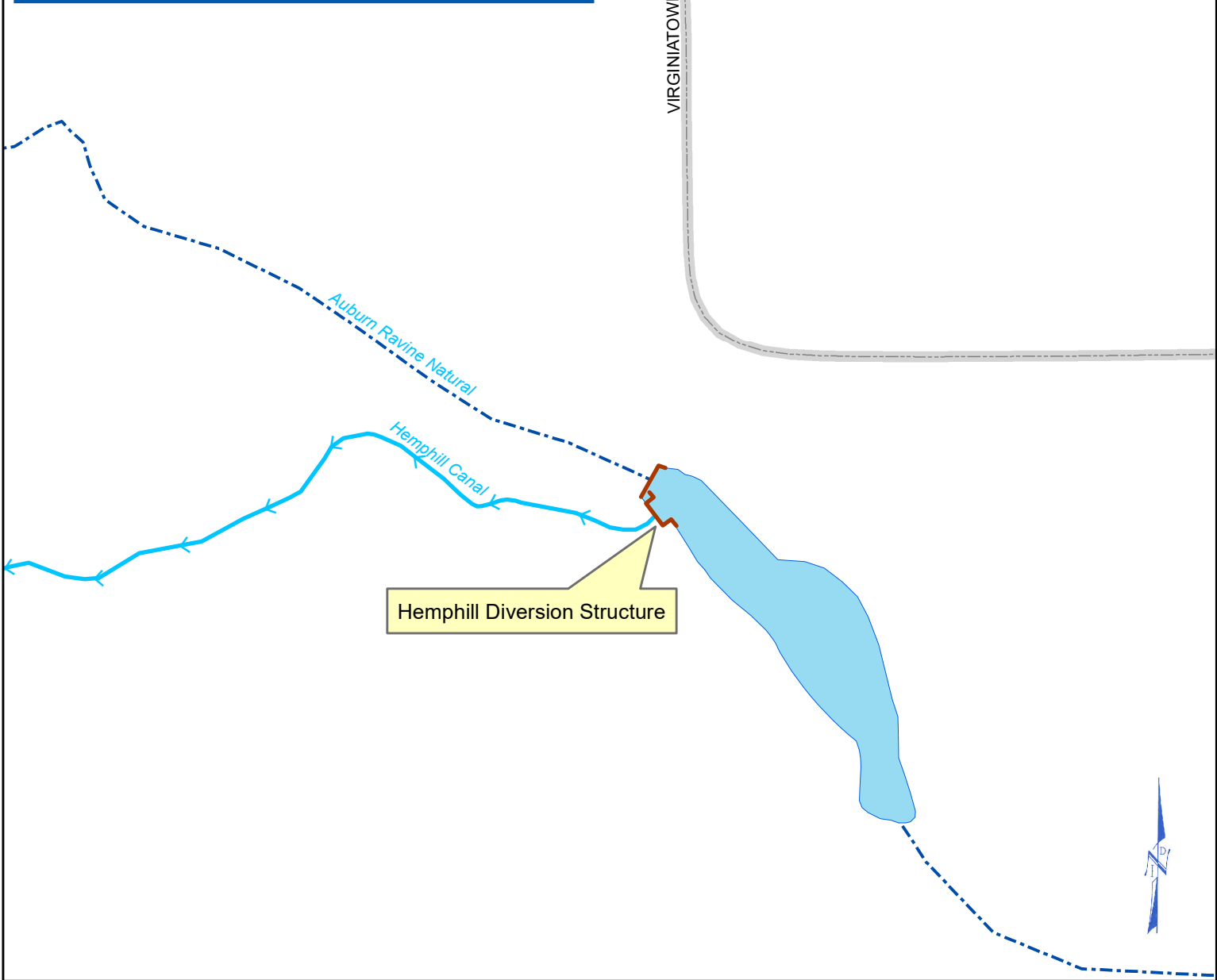
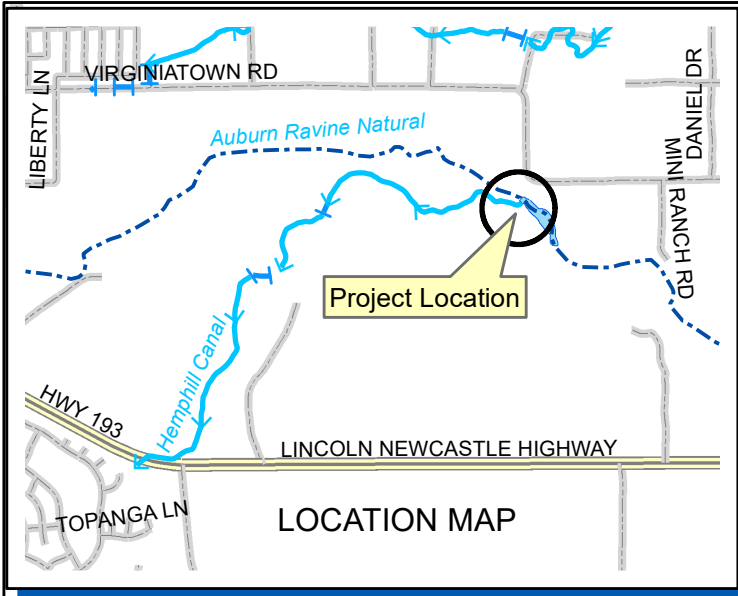
Division Funding	Funding Account	Increase/(Decrease)

Explanation: Enter narrative explaining reason for amendment.

Decrease budget for Project #2376 North Auburn Treatment Plant and transfer to #7032 Hemphill Diversion Structure. Project #2376 no longer has a critical need for the backup generator in the event of a PSPS event. Transfer is between projects within the same program.

APPROVALS:

	<u>Date</u>	<u>Signature</u>	<u>AGM/FM Signature</u>	<u>Approved/Denied</u>
Level I:				
Level II:				
Level III:				



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HEMPHILL DIVERSION STRUCTURE



Date: 9/9/2021
 Drawn By: D. HUNT

NEVADA IRRIGATION DISTRICT
 NEVADA COUNTY -- PLACER COUNTY
 GRASS VALLEY, CALIFORNIA

Scale: NO SCALE
 Sheet: 1 of 1