

Staff Report

for the Regular Meeting of the Board of Directors, May 22, 2019

TO: Board of Directors

FROM: Gary D. King, PE, PhD, Engineering Manager
Adrian Schneider, PE, Senior Engineer

DATE: May 15, 2019

SUBJECT: Newtown Reservoir Cleaning Project – Bypass Pipeline (FATR #6958)

ENGINEERING

RECOMMENDATION:

Award a construction contract to Hansen Bros. Enterprises for the Newtown Reservoir Cleaning (Bypass Pipeline Installation) Project in the amount of \$345,868, and authorize the General Manager to execute the necessary documents.

BACKGROUND:

In 2018 the Newtown Reservoir Cleaning project was initiated into the reservoir cleaning program with approximately 700 cubic yards of sediment removed. Sediment from the Newtown Reservoir was temporarily stockpiled on the southern berm/embankment of the reservoir.

The project in 2018 entailed placing a 500-foot long temporary bypass pipe to redirect District raw water around the reservoir allowing the drying out of reservoir sediments. The temporary bypass pipe was problematic as it had to be placed within the existing reservoir and was limited in capacity. Additionally, the project began in the late summer and the reservoir did not have adequate time to dry out prior to the approaching winter storms.

In anticipation for the continuation of sediment removal (estimated 5,900 cubic yards) and future bypass needs for maintenance of the reservoir, the District determined that a 36-inch diameter permanent bypass pipe would better the District's operational flexibility.

On April 5, 2019, the District invited the following eleven contractors to quote on the Project: Western Engineering Contractors, PSCE Construction, Lorang Brothers, Pronesti Excavation, S&P Contractors, Siller & Siller Construction, T&S Contractors, Koch & Koch, Hansen Bros. Enterprises, C&D Contractors, and Westcon Construction.

The District received quotes from four contractors on March 9, 2019: Koch & Koch, Hansen Bros. Enterprises, C&D Contractors, and Westcon Construction. The attached table summarizes the quotes.

Bidding was done in compliance with District Policy #3080 revised and approved by the Board on June 27, 2018. The contract documents were approved by the Board on July 25, 2018.

This project directly relates to Goals 1 and 3 of the District's Strategic Plan, to strengthen reliability and redundancy of facilities.

Staff recommends that the Board award the construction contract to Hansen Bros. Enterprises in the amount of \$345,868 for the Newtown Bypass Pipeline as part of the Newtown Sediment Cleaning Project.

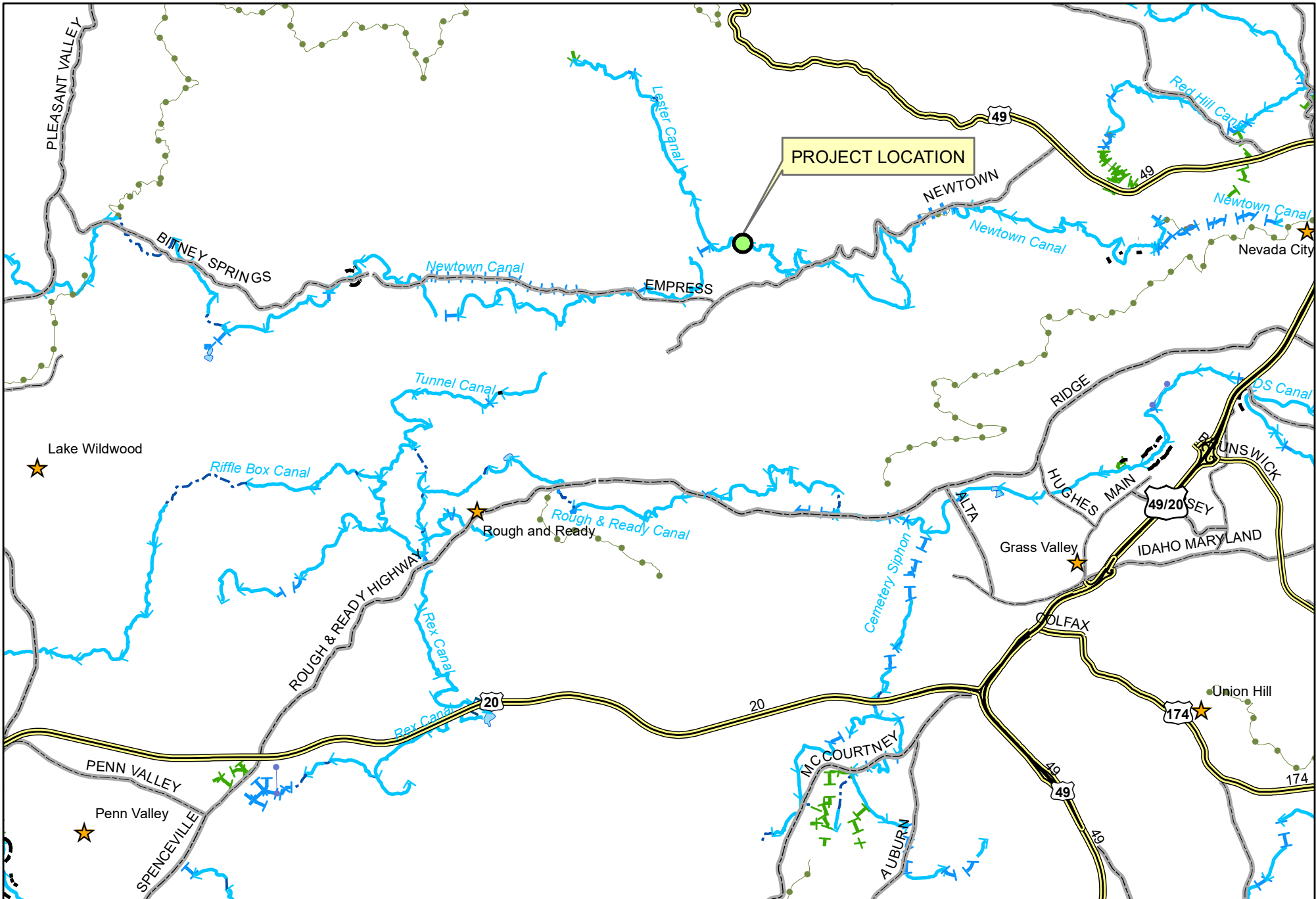
BUDGETARY IMPACT:

Funding for the project comes from the following:

- \$345,868 of the project funding comes from 2019 Sediment Removal Projects program 10151-52914. The 2019 budget for this program is \$650,000. The existing budget is \$245,458 pending the approval of the Loma Rica Reservoir Sediment Project. The District requests transferring \$150,410 from the Orr Creek Project under the Non Programmatic budget (\$500,000) to the Sediment Removal program. After approval of this transfer and this project \$50,000 will remain in the Sediment Removal program budget. The Orr Creek project budget will have \$349,590 remaining. The Orr Creek project is currently not expected to obtain permits in time to bid and construct the project prior to the wet season.

Attachments: Newtown Reservoir Vicinity Map
Newtown Reservoir Site Plan
Quote Summary Detail
Budget Transfer Request

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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

NEWTOWN RESERVOIR - VICINITY MAP

Drawn By: L. CANNON

Date: 5/16/2019

Scale: 1"=5000'@8.5X11

Sheet: 1 of 2

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NEVADA IRRIGATION DISTRICT

NEVADA COUNTY -- PLACER COUNTY
GRASS VALLEY, CALIFORNIA

NEWTOWN RESERVOIR - SITE PLAN

Drawn By: L. CANNON

Date: 5/16/2019

Scale: 1"=200'@8.5X11

Sheet: 2 of 2



NEVADA IRRIGATION DISTRICT

1036 W. Main Street, Grass Valley, CA 95945-5424
 (530) 273-6185 ~ Fax: (530) 477-2646 ~ www.nidwater.com

**Summary of Bid Response(s)-FATR 6958
 Newtown Reservoir Cleaning Project**

Item	Newtown Reservoir Bypass Pipeline	Hansen Bros.	Westcon	Koch & Koch	C&D
1	Mob/Demob	\$5,000	\$5,000	\$5,000	\$5,000
2	Mitigation Measures/Documents	\$4,394	\$2,500	\$6,000	\$7,750
3	Erosion Control/Stabilization Additions	\$6,442	\$6,000	\$13,000	\$9,300
4	Spill Prevention & Control Plan	\$3,138	\$1,000	\$3,500	\$4,260
5	Fire Supp/Counterterm Plan	\$753	\$4,500	\$6,000	\$3,550
6	36-in Diameter Pipe - Furnish & Install	\$152,490	\$188,700	\$146,370	\$221,850
7	Gate Valves	\$129,296	\$96,000	\$116,000	\$165,660
8	End Valve	\$18,720	\$19,500	\$20,000	\$26,810
9	Inlet & Diversion Area	\$16,054	\$30,000	\$50,000	\$14,200
10	Outlet Area	\$9,581	\$6,700	\$14,000	\$7,810
Total Pipe		\$345,868	\$359,900	\$379,870	\$466,190



**NEVADA IRRIGATION DISTRICT
BUDGET AMENDMENT REQUEST**

Request Number

Req. No BA 2019 - 110

Date:
To: Remleh Scherzinger, General Manager
From: Department Manager(s)

Initial _____

Budget Transfer: Enter Operating/Capital Expenditure or Revenue line items.

Department	Object / Account	Increase/(Decrease)
10151 Engineering	52915 Proj Bud: Non-Programmatic	\$ (150,410.00)

Budget Increase: Enter Operating/Capital Expenditure or Revenue line items.

Department	Object / Account	Increase/(Decrease)
10151 Engineering	52914 Proj Bud: Sediment Removal	\$ 150,410.00

Division Fund	Funding Account	Increase/(Decrease)

Explanation: Enter narrative explaining reason for amendment.

Orr Creek Project budget of \$500,000 to be used. The Orr Creek project will not significantly be advanced in 2019 due to permits and a delayed construction start.

APPROVALS:

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