Nevada Irrigation District

Staff Report

for the Regular Meeting of the Board of Directors, August 14, 2019

TO: Board of Directors

FROM: Gary D. King, P.E., PhD, Engineering Manager
Doug Hobbs, P.E., Senior Engineer

DATE: August 7, 2019

SUBJECT: Rollins Howell Bunger Valve Installation Contract (FATR #2076)

ENGINEERING

RECOMMENDATION:
Award a construction contract to NMI Industrial Holdings, Inc. for the installation of the Rollins Howell Bunger Valve in the amount of $608,500, approve the attached budget amendment in the amount of $610,000, and authorize the General Manager to execute the appropriate documents.

BACKGROUND:
The existing Rollins 60" bypass valve is badly deteriorated and must be repaired or replaced per DSOD and FERC. A new valve was purchased from VAG on November 15, 2017, and delivered to the Grass Valley yard on April 1, 2019. The valve actuator was also purchased from VAG and is scheduled for delivery on August 8, 2019.

The difficult installation requires replacing of the existing valve and supporting pipe spool, as well as rebuilding the concrete bulkhead that the pipe spool passes through. The new valve weighs 25,000 lbs and must be craned to the tunnel entrance and transported 450' up the outlet tunnel after the old valve and pipe are removed. A plant outage has been scheduled for October 15 to November 4 to accomplish the work. During this time, the plant turbine wicket gates will be adjusted sufficiently to provide for downstream fish flow.

Quotes for the construction of the project were requested from 6 qualified contractors. Four contractors attended the mandatory pre-bid meeting on June 12, 2019, and subsequently submitted quotes, as shown below, on July 26, 2019.

Quoter	Quote
NMI Industrial	$608,500.00
TCB Industrial	$615,671.00
Syblon Reid	$677,400.00
McMillen Jacobs Associates	$1,191,100.00

Note: A reasonable engineer's estimate could not be created due to the lack of comparables and the inability to predict risk costs anticipated by the contractors. Staff expects to bring one final component for approval in the future, which will be a steel spool piece to replace the existing spool that attaches to the HBV valve. Staff is recommending that the Board award the contract to NMI Industrial Holdings, Inc. in the amount of $608,500.00.

This project aligns with Goal No. 3 of the District's Strategic Plan to strengthen reliability of facilities.

BUDGETARY IMPACT:
This project (50112-52921-2076) is not budgeted in this fiscal year. In the previous fiscal year, 2018, $570,000 was set aside for the project but was not used and reverted back to reserves due to the late delivery of the valve which postponed the project.

In order to fund this contract, staff recommends transferring a total of $610,000.00 from the Hydro Powerhouse Capital Budget (50112-52920) to the Reservoir, Dam and Water budget (50112-52921). These funds are currently earmarked for the Combie South Electrical Upgrades ($350,000.00), Scotts Flat Instrument Upgrade ($250,000.00), and the Scotts Flat Exciter Replacement ($10,000.00), as outlined in the attached budget amendment.

Attachments: Budget Amendment

GDK/DH

NEVADA IRRIGATION DISTRICT

BUDGET AMENDMENT REQUEST

Request Number

Req. No: BA 2019 - 120

Date: 8/6/2019
To: Remleh Scherzinger, General Manager
From: Gary King, Engineering Manager

Initial: GDK

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

Department	Object / Account	Increase/(Decrease)
50112 Hydro Administration	52920 Proj Bud: Powerhouse Impr	($610,000)
50112 Hydro Administration	52921 Proj Bud: Dam & Water Impr	$610,000

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

Department	Object / Account	Increase/(Decrease)

Division Fund	Funding Account	Increase/(Decrease)

Explanation: Enter narrative explaining reason for amendment.

Transfer of fund for the installation of the HBV at Rollins Facility, FATR #2076

APPROVALS:

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

Version 11-15-2016