

Staff Report

for the Regular Meeting of the Board of Directors, September 26, 2018

TO: Board of Directors

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

DATE: September 19, 2018

**SUBJECT: Maben Canal Emergency Bypass – Maben II Encasement Project
(FATR #8099)**

ENGINEERING

RECOMMENDATION:

Approve a change order to the original contract to Hansen Bros. Enterprises for the Maben II Canal Encasement Project in the amount of \$192,258 and approve a budget amendment request in the amount of \$90,759.33, and authorize the General Manager to execute the necessary documents.

BACKGROUND:

On August 20, 2018, the District's 12-inch diameter steel siphon broke and flooded portions of the property (attached figure). Upon repair, the District's maintenance department observed the very aged and fragile pipeline that was difficult to repair. Due to the poor condition of the pipe and its high potential for additional failures, it is recommended that we proceed with the immediate replacement and abandonment of this section of the pipeline. This section of the pipeline will be replaced with a new 18" diameter pipe within Lime Kiln Road. The proposed pipe is part of Maben Canal Encasement Phase III project that is planned for 2019.

Hansen Bros. Enterprises was the low bidder on the Phase II work and the costs for this emergency bypass/replacement are less than the costs provided on their bid. The cost differences are related to no mobilization to do this work. It is the recommendation of staff to approve this change order and budget amendment.

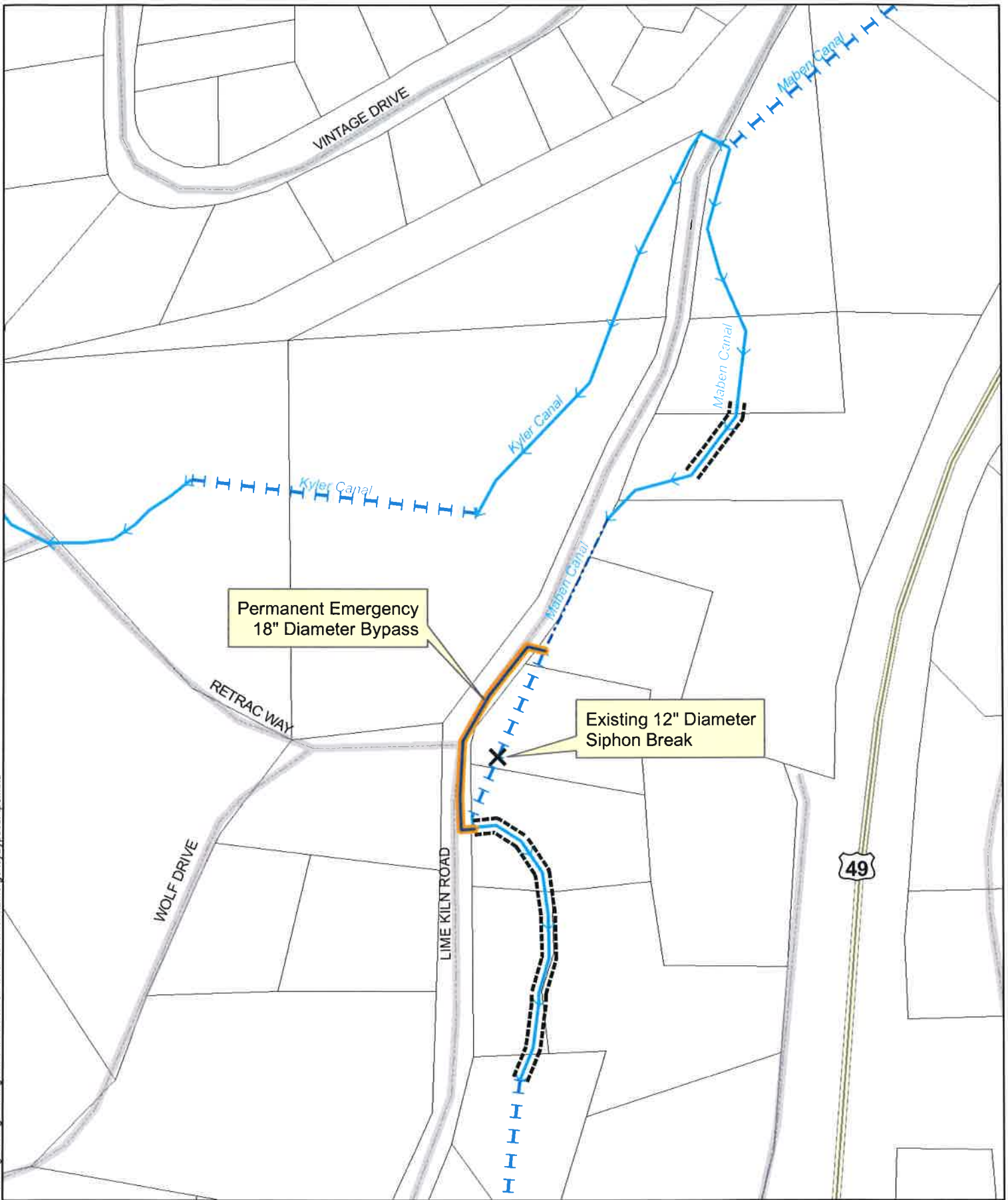
BUDGETARY IMPACT:

Funding for the project comes from the

- \$101,498.67 of the project funding comes from the Raw Water Repairs Program Budget (10151-52910) leaving a remaining balance of \$0 in this account.
- \$90,759.33 of the project funding comes from the Minor System Work Program Budget (10151-52909) leaving a remaining balance of \$177,600.80

Attachments: Figure
 Change Order Form, HBE (8/31/2018)
 Budget Amendment Request

F:\Engineering\Drafting\arcview\Maben Canal Encasement\EmergencyBypassPipe.mxd



PERMANENT BYPASS PIPE - MABEN CANAL

Date: 9/17/2018
 Drawn By: D. HUNT

NEVADA IRRIGATION DISTRICT

NEVADA COUNTY - PLACER COUNTY
 GRASS VALLEY, CALIFORNIA

Scale: 1" = 200' @ 8-1/2x11

Sheet: 1 of 1

HBE JOB # 18C 0186

HANSEN BROS. ENTERPRISES
CSL 207705
P.O. BOX 1599, GRASS VALLEY, CA 95945
TEL: (530) 273-3381 FAX: (530) 273-4396

CHANGE ORDER FORM

CHANGE ORDER #: CO #1

LOCATION: MABEN CANAL

CHANGE ORDER DATE: 8/31/2018

OWNER: NID

DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
<u>18" Pipe</u>	<u>390 lf</u>	<u>284.00</u>	<u>110760.00</u>
<u>Access Hatches</u>	<u>2 ea</u>	<u>15,528.00</u>	<u>31056.00</u>
<u>Outlet Structure Connection</u>	<u>1 ls</u>	<u>25,532.00</u>	<u>25532.00</u>
<u>6" blowoff Pipe Plus Connection</u>	<u>1 ls</u>	<u>13,803.00</u>	<u>13803.00</u>
<u>Roadside Service Plus Connection</u>	<u>1 ea</u>	<u>11,377.00</u>	<u>11377.00</u>
<u> </u>	<u> </u>	<u> </u>	<u>0.00</u>
<u> </u>	<u> </u>	<u> </u>	<u>0.00</u>
<u> </u>	<u> </u>	<u> </u>	<u>0.00</u>
<u> </u>	<u> </u>	<u> </u>	<u>0.00</u>
<u> </u>	<u> </u>	<u> </u>	<u>0.00</u>

ADD 15.00 DAYS TO CONTRACT.

CHANGE ORDER TOTAL\$ 192,258.00

ALL TERMS, CONDITIONS, NOTES AND EXCLUSIONS OF ORIGINAL CONTRACT APPLY TO CHANGE ORDER WORK.

IF ACCEPTED, PLEASE SIGN BELOW SO WORK MAY BE SCHEDULED.

OWNER/REPRESENTATIVE

Derek Hiatt

HANSEN BROS. ENTERPRISES

DATE

8/31/2018

DATE



**NEVADA IRRIGATION DISTRICT
BUDGET AMENDMENT REQUEST**

Request Number

Req. No

BA 2018 - 93

Date: 9/17/2018
 To: Remleh Scherzinger, General Manager
 From: Gary King

Initial

ASD

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

Department	Object / Account	Increase/(Decrease)
10151 Engineering	52909 Proj Bud: Minor System	(\$90,759.33)
10151 Engineering	52910 Proj Bud: Raw Water	\$90,759.33

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.

Budget amendment for the change order for the Maben Phase 2 project for a emergency replacement of an existing siphon.

APPROVALS:

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