

MEMORANDUM

TO: Programs, Projects, and Operations Subcommittee
FROM: Eric Williams, Natural Resources Planner
SUBJECT: Bids for Elkhorn River 240th Street Bank Stabilization Project
DATE: January 7, 2016

Following the 2010 Elkhorn River flood, the Papio-Missouri River NRD and Sarpy County cooperated through an Interlocal Agreement on stream bank stabilization work along the Elkhorn River in order to prevent a portion of 240th Street from being threatened and/or lost to foreseeable and continued Elkhorn River Bank Erosion. This project is generally located along the Elkhorn River southwest of 240th Street and Harrison Street (see attached map). Construction will include a pilot channel to re-align a sharp bend in the river at this location, along with bank stabilization measures to help establish and maintain the new channel.

On December 30, 2015, bids were opened for the construction of the Elkhorn River 240th Street Bank Stabilization Project. The bid tab and recommendation letter from FYRA Engineering are attached.

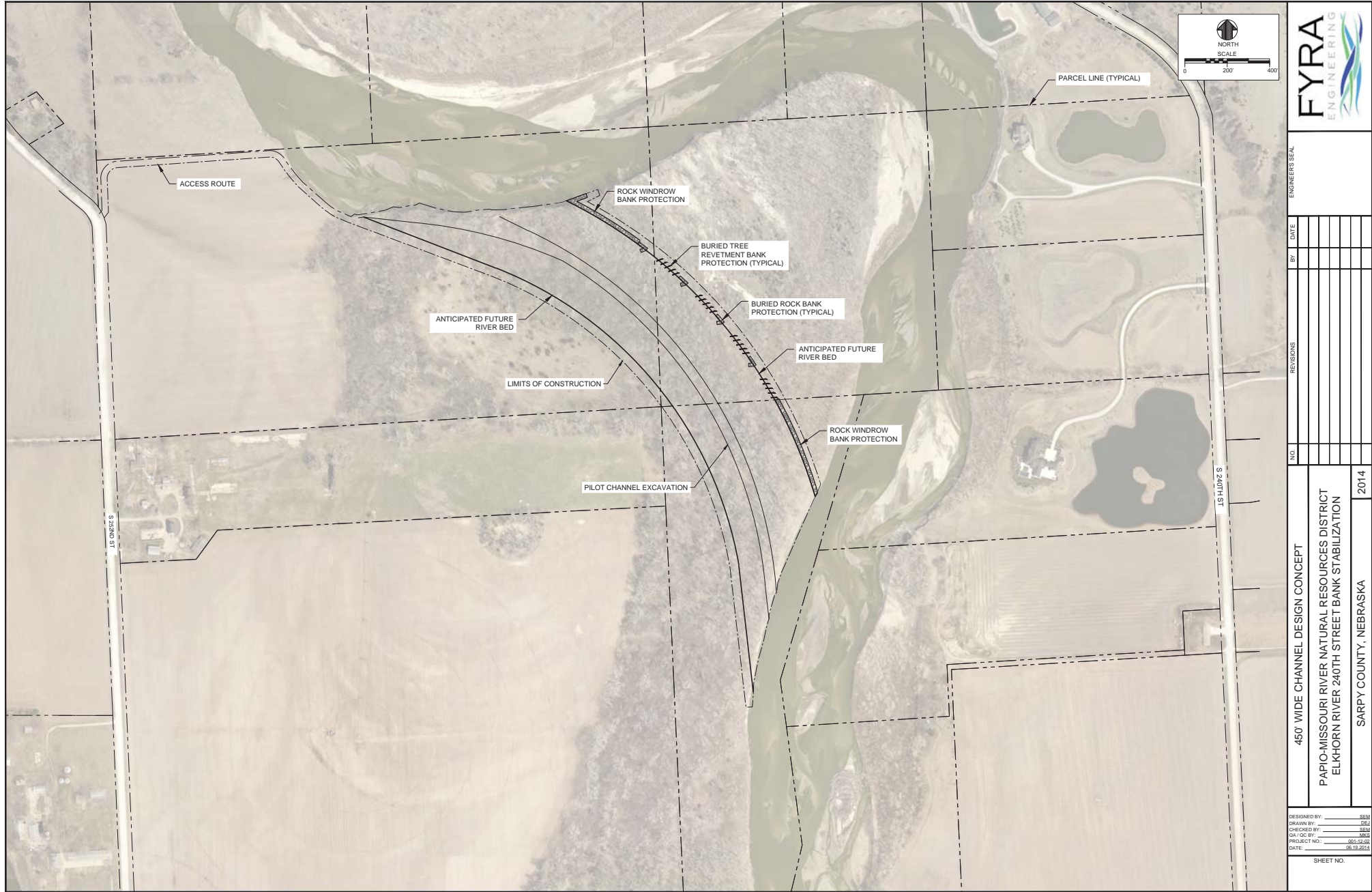
Nine bids were received and including the bid alternative for additional rip rap projection, ranged from \$399,625.90 to \$1,080,864.50. Niewohner Construction from Onawa, IA was the low bidder. The engineers estimate for the construction of this project was \$626,844. FYRA has verified the unit prices in the bid, reviewed the work history for the contractor to confirm they are able to construct the project according to specifications. The work is anticipated to begin in mid to late January, with construction completed in the spring 2016.

The table below summarized the currently estimated total cost for the project.

	<u>Cost</u>	<u>NRD</u>	<u>Sarpy County</u>
Design	\$ 256,276		
Land Rights	\$ 199,065		
Construction	\$ 399,625		
Total	\$ 854,966	\$ 427,483	\$ 427,483

The Interlocal Agreement between the District and Sarpy County specifies that the total cost of approximately \$ 855,000 be shared evenly between the two parties, thus about \$ 427,500 each. This is well below the \$ 650,000 maximum provided in the Agreement.

- **It is recommended that the Subcommittee recommend to the Board that, upon the acquisition of necessary rights-of-way, the General Manager be authorized to execute a contract with Niewohner Construction for construction of the Elkhorn River 240th Street Bank Stabilization Project for the total bid amount, including the alternate, of \$399,625.90, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.**



FYRA
ENGINEERING

ENGINEER'S SEAL

NO.	REVISIONS	BY	DATE

450' WIDE CHANNEL DESIGN CONCEPT

PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT
ELKHORN RIVER 240TH STREET BANK STABILIZATION

SARPY COUNTY, NEBRASKA

2014

DESIGNED BY: SEM
 DRAWN BY: DEJ
 CHECKED BY: HEM
 QA/QC BY: HEM
 PROJECT NO.: 061333K
 DATE: 05-19-2014

SHEET NO.



December 31, 2015

Eric Williams
Papio-Missouri River NRD
8901 S. 154th Street
Omaha, NE 68138

Re: Elkhorn River Bank Stabilization Project

Dear Eric:

The bid opening for the above-referenced project was held at the P-MRNRD on December 30, 2015. Nine bids were received for the project and all were found to be responsive. The results of the bids are attached to this letter in the form of a bid tabulation sheet. The low bid of \$399,625.90 included the bid alternate for additional riprap protection and was received from Niewohner Construction of Onawa, IA and was significantly below the engineer's estimate of \$626,844.

After a review of the bids, the unit prices appear to be reasonable. Niewohner Construction has a solid reputation and has successfully done work for the P-MRNRD in the past. They are ready to get working immediately and have an aggressive schedule planned to complete the work this winter, ahead of the required completion dates.

Given the above, my recommendation is to award the project to Niewohner Construction and begin the contracting process upon Board approval.

Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Sotak', with a long, sweeping flourish extending to the right.

Michael K. Sotak, P.E.

Elkhorn River 240th Street Bank Stabilization Project

Niewohner Construction

McArdle Grading

Valley Corp

GENERAL BID ITEM DESCRIPTION:	QUANTITY	UNIT
MOBILIZATION/GENERAL	1	LS
COMMON EXCAVATION	59,391	CY
FILL FOR ACCESS ROUTE EMBANKMENT	823	CY
TOTAL CLASS B RIPRAP	3,973	TN
CLASS C ROCK RIPRAP	300	TN
TREE REVETMENT	20	EA
CLEARING AND GRUBBING	26	AC
SEEDING - COVER CROP	23	AC
WILLOW STAKING	200	EA
24" DIA CLASS III RCP AND FLARED END SECTION	80	LF

UNIT PRICE	EXTENSION
\$10,000.00	\$10,000.00
\$1.90	\$112,842.90
\$6.00	\$4,938.00
\$43.00	\$170,839.00
\$45.00	\$13,500.00
\$350.00	\$7,000.00
\$1,200.00	\$31,200.00
\$150.00	\$3,450.00
\$5.00	\$1,000.00
\$49.00	\$3,920.00

UNIT PRICE	EXTENSION
\$72,000.00	\$72,000.00
\$4.50	\$267,259.50
\$10.00	\$8,230.00
\$85.00	\$337,705.00
\$75.00	\$22,500.00
\$2,450.00	\$49,000.00
\$8,000.00	\$208,000.00
\$750.00	\$17,250.00
\$20.00	\$4,000.00
\$175.00	\$14,000.00

UNIT PRICE	EXTENSION
\$20,311.85	\$20,311.85
\$2.67	\$158,573.97
\$4.19	\$3,448.37
\$52.49	\$208,542.77
\$52.49	\$15,747.00
\$3,604.47	\$72,089.40
\$4,719.17	\$122,698.42
\$820.30	\$18,866.90
\$19.23	\$3,846.00
\$167.05	\$13,364.00

BASE BID SUBTOTAL:

\$358,689.90

\$999,944.50

\$637,488.68

BID ALTERNATE

BID ITEMS TO ADD TO BASE BID:	QUANTITY	UNIT
CLASS B ROCK RIPRAP	952	TN

UNIT PRICE	EXTENSION
\$43.00	\$40,936.00

UNIT PRICE	EXTENSION
\$85.00	\$80,920.00

UNIT PRICE	EXTENSION
\$50.45	\$48,028.40

ALTERNATE BID SUBTOTAL:

\$40,936.00

\$80,920.00

\$48,028.40

TOTAL BID:

\$399,625.90

\$1,080,864.50

\$685,517.08

RECOMMENDATION

Elkhorn River 240th Street Bank Stabilization Project

Sudbeck Homes

Road Builders, Inc.

Yost Excavating

GENERAL BID ITEM DESCRIPTION:	QUANTITY	UNIT
MOBILIZATION/GENERAL	1	LS
COMMON EXCAVATION	59,391	CY
FILL FOR ACCESS ROUTE EMBANKMENT	823	CY
TOTAL CLASS B RIPRAP	3,973	TN
CLASS C ROCK RIPRAP	300	TN
TREE REVETMENT	20	EA
CLEARING AND GRUBBING	26	AC
SEEDING - COVER CROP	23	AC
WILLOW STAKING	200	EA
24" DIA CLASS III RCP AND FLARED END SECTION	80	LF

UNIT PRICE	EXTENSION
\$8,950.00	\$8,950.00
\$0.95	\$56,421.45
\$2.99	\$2,460.77
\$45.05	\$178,983.65
\$51.13	\$15,339.00
\$1,376.36	\$27,527.20
\$5,203.68	\$135,295.68
\$575.00	\$13,225.00
\$9.48	\$1,896.00
\$57.77	\$4,621.60

UNIT PRICE	EXTENSION
\$52,000.00	\$52,000.00
\$3.00	\$178,173.00
\$15.00	\$12,345.00
\$60.00	\$238,380.00
\$60.00	\$18,000.00
\$4,900.00	\$98,000.00
\$4,300.00	\$111,800.00
\$2,000.00	\$46,000.00
\$150.00	\$30,000.00
\$100.00	\$8,000.00

UNIT PRICE	EXTENSION
\$22,500.00	\$22,500.00
\$2.45	\$145,507.95
\$4.50	\$3,703.50
\$37.15	\$147,596.95
\$37.15	\$11,145.00
\$1,500.00	\$30,000.00
\$1,250.00	\$32,500.00
\$650.00	\$14,950.00
\$15.00	\$3,000.00
\$78.00	\$6,240.00

BASE BID SUBTOTAL:

\$444,720.35

\$792,698.00

\$417,143.40

BID ALTERNATE

BID ITEMS TO ADD TO BASE BID:	QUANTITY	UNIT
CLASS B ROCK RIPRAP	952	TN

UNIT PRICE	EXTENSION
\$45.05	\$42,887.60

UNIT PRICE	EXTENSION
n/a	-

UNIT PRICE	EXTENSION
\$37.15	\$35,366.80

ALTERNATE BID SUBTOTAL:

\$42,887.60

\$0.00

\$35,366.80

TOTAL BID:

\$487,607.95

\$792,698.00

\$452,510.20

Elkhorn River 240th Street Bank Stabilization Project

Hendrickson Transportation

Sibbernson Excavating

Bayshore Construction

GENERAL BID ITEM DESCRIPTION:	QUANTITY	UNIT
MOBILIZATION/GENERAL	1	LS
COMMON EXCAVATION	59,391	CY
FILL FOR ACCESS ROUTE EMBANKMENT	823	CY
TOTAL CLASS B RIPRAP	3,973	TN
CLASS C ROCK RIPRAP	300	TN
TREE REVETMENT	20	EA
CLEARING AND GRUBBING	26	AC
SEEDING - COVER CROP	23	AC
WILLOW STAKING	200	EA
24" DIA CLASS III RCP AND FLARED END SECTION	80	LF

UNIT PRICE	EXTENSION
\$51,700.00	\$51,700.00
\$3.00	\$178,173.00
\$3.00	\$2,469.00
\$50.00	\$198,650.00
\$55.00	\$16,500.00
\$1,500.00	\$30,000.00
\$5,000.00	\$130,000.00
\$1,200.00	\$27,600.00
\$40.00	\$8,000.00
\$62.50	\$5,000.00

UNIT PRICE	EXTENSION
\$37,000.00	\$37,000.00
\$2.35	\$139,568.85
\$7.00	\$5,761.00
\$46.00	\$182,758.00
\$46.00	\$13,800.00
\$2,000.00	\$40,000.00
\$4,000.00	\$104,000.00
\$750.00	\$17,250.00
\$15.00	\$3,000.00
\$125.00	\$10,000.00

UNIT PRICE	EXTENSION
\$21,000.00	\$21,000.00
\$3.50	\$207,868.50
\$8.50	\$6,995.50
\$53.50	\$212,555.50
\$53.50	\$16,050.00
\$1,350.00	\$27,000.00
\$1,800.00	\$46,800.00
\$800.00	\$18,400.00
\$10.00	\$2,000.00
\$85.00	\$6,800.00

BASE BID SUBTOTAL:

\$648,092.00

\$553,137.85

\$565,469.50

BID ALTERNATE

BID ITEMS TO ADD TO BASE BID:	QUANTITY	UNIT
CLASS B ROCK RIPRAP	952	TN

UNIT PRICE	EXTENSION
\$50.00	\$47,600.00

UNIT PRICE	EXTENSION
\$46.00	\$43,792.00

UNIT PRICE	EXTENSION
\$53.50	\$50,932.00

ALTERNATE BID SUBTOTAL:

\$47,600.00

\$43,792.00

\$50,932.00

TOTAL BID:

\$695,692.00

\$596,929.85

\$616,401.50