

Agenda Item: 7.

Memo to the Programs, Projects and Operations Subcommittee

Subject: Elkhorn River IPA Bank Stabilization Project Bids

Date: December 1, 2011

From: Gerry Bowen

The District solicited bids on a project to repair the bank stabilization project on the Elkhorn River immediately north of King Lake in western Douglas County. Damage to the project resulted from the 2010 flood on the river.

The District contacted FEMA about possible funding to repair the project. Subsequently, FEMA approved the project for funding at the 75% level, but only for repairs and replacement of rock riprap. Their initial allocation was \$461,686.25. This was based on a preliminary estimate of \$615,582.20.

The District then hired Tetra Tech to evaluate the bank stabilization project and to recommend needed repairs, and any needed additional treatment areas to keep the project functioning as designed. In addition, Tetra Tech proposed a new location for the boat ramp in Elkhorn Crossing Recreation Area to help stabilize the recreation area..

Bids were opened on November 29, 2011 with seven contractors submitting bids. The following contractors and bids were received (see attached bid summary and recommendation):

Ho Chunk Builders	\$1,020,995.30
Western Contracting, Co.	\$1,102,601.30
K&L Landscaping & Construction	\$1,122,746.85
TCW Construction, Inc.	\$1,225,240.52
Valley Corporation	\$1,153,598.40
Reilly Construction Co., Inc.	\$1,155,862.50
Prudent	\$1,197,070.79
<i>Engineer's Estimate</i>	<i>\$1,866,962.00</i>

The apparent low bidder is Ho Chunk Builders in the amount of \$1,020,995.30. Management concurs with Tetra Tech's recommendation that Ho Chunk Builders be awarded the construction contract.

As mentioned above, a portion of the projects are eligible for reimbursement from FEMA. Based upon the criteria provided, the Elkhorn Crossing boat ramp relocation and new treatment sites are not eligible for FEMA reimbursement. The bid price for the boat ramp is \$32,351.44 (see attached), and the bid price for the ineligible items is \$296,593.16. Therefore, the total amount eligible for reimbursement is \$696,050.70. The reimbursement would be \$519,038.03. The NRD share would be 501,957.27.

- It is recommended that the Subcommittee recommend to the Board that the General Manager be authorized to execute a construction contract with Ho Chunk Builders in the amount of \$1,020,995.30 for the Elkhorn River IPA Bank Stabilization Project.



1 December 2011

Mr. Gerry Bowen
Papio-Missouri River NRD
8901 S. 154th Street
Omaha, NE 68138

Re: P-MRNRD Elkhorn River IPA Sites Bank Stabilization bid opening

Dear Gerry:

On Tuesday, 29 November, a bid opening was held at the P-MRNRD for the above-referenced project. Seven bids were received for the project and all seven were found to be responsive. The results of the bid are attached to this letter in the form of a bid tabulation sheet. The low bid of \$1,020,995.30 was considerably below the engineer's estimate of \$1,555,802 (without contingencies) due mainly to the price of the rock riprap, which came in at approximately two-thirds of the estimate, which was based on recent bids. The riprap was estimated at \$55 per CY (due to the some high bids received on the Carter Lake project), but was bid at \$35.75 per CY. This accounts for nearly \$500,000 of the difference in the estimate and the actual bid price. After the meeting, discussions with contractors and others indicated that in the last month, contractors are seeing that the quarries have caught up from this year's flooding and rock shortage and prices are back to normal.

After a review of the remaining bid prices and information and references provided by Kevin Connors from Ho Chunk Builders, it is this engineer's opinion that the contractor has the experience and is capable of providing the materials, labor and equipment to complete the project as proposed in accordance with the dates set forth in the project specifications. Therefore, it is my recommendation to award the project to Ho Chunk Builders.

As always, feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael K. Sotak'.

Michael K. Sotak, P.E.

Bid Title:	P-MRNRD Elkhorn River IPA Sites Bank Stabilization		Vendor:		Vendor:		Vendor:		Vendor:	
Bid Opening Date:	November 29th, 2011		HO Chunk Builders		Western Contracting Co.		K&L Landscape & Construction		TCW Construction Inc.	
General Bid Item Description:	Qty	Units	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
Mobilization	1	LS	\$26,600.00	\$26,600.00	\$16,500.00	\$16,500.00	\$20,000.00	\$20,000.00	\$46,735.79	\$46,735.79
Stabilized Rock Entrance	6	EACH	\$1,000.00	\$6,000.00	\$1,600.00	\$9,600.00	\$3,250.00	\$19,500.00	\$225.16	\$1,350.96
Clearing and Grubbing	1	LS	\$28,000.00	\$28,000.00	\$12,500.00	\$12,500.00	\$8,500.00	\$8,500.00	\$44,337.76	\$44,337.16
Pasture Seed Mix	15.5	AC	\$1,700.00	\$26,350.00	\$1,000.00	\$15,500.00	\$750.00	\$11,625.00	\$2,100.57	\$32,558.84
Class 'B' Rock RipRap	25,061	TONS	\$35.75	\$895,930.75	\$40.00	\$1,002,440.00	\$39.75	\$996,174.75	\$41.88	\$1,049,554.68
Rock Riprap (Salvage and Reuse)	119	TONS	\$12.00	\$1,428.00	\$12.00	\$1,428.00	\$25.00	\$2,975.00	\$34.78	\$4,138.82
Aggregate Filter	418	TONS	\$25.00	\$10,450.00	\$30.00	\$12,540.00	\$28.45	\$11,892.10	\$13.13	\$5,488.34
Excavation	1,494	CY	\$4.25	\$6,349.50	\$4.35	\$6,498.90	\$10.00	\$14,940.00	\$4.54	\$6,782.76
Limestone Chips	47	TONS	\$25.00	\$1,175.00	\$30.00	\$1,410.00	\$30.00	\$1,410.00	\$25.82	\$1,213.54
Concrete	37	CY	\$218.00	\$8,066.00	\$475.00	\$17,575.00	\$275.00	\$10,175.00	\$480.52	\$17,779.24
Steel Reinforcing Bars	4,357	LBS	\$2.15	\$9,367.55	\$1.25	\$5,446.25	\$5.00	\$21,785.00	\$1.35	\$5,881.95
Concrete Removal	84	SY	\$9.00	\$756.00	\$8.00	\$672.00	\$20.00	\$1,680.00	\$36.28	\$3,047.52
Turf Reinforcing Mat	209	SY	\$2.50	\$522.50	\$2.35	\$491.15	\$10.00	\$2,090.00	\$30.48	\$6,370.32
TOTAL:				\$1,020,995.30		\$1,102,601.30		\$1,122,746.85		\$1,225,239.92
Correct total:										\$1,225,240.52

*Cell K6 (\$44,337.16) should have been \$44,337.76. Subtotal on Bid Form was correct.

Vendor:		Vendor:		Vendor:	
Reilly Construction Co., Inc.		Valley Corp.		Prudent Technologies, Inc.	
Unit Price	Total	Unit Price	Total	Unit Price	Total
\$34,450.00	\$34,450.00	\$4,886.84	\$4,886.84	\$91,951.00	\$91,951.00
\$1,700.00	\$1,700.00	\$2,168.27	\$13,009.62	\$1,404.40	\$8,426.40
\$38,950.00	\$38,950.00	\$39,340.08	\$39,340.08	\$18,014.40	\$18,014.40
\$1,800.00	\$27,900.00	\$989.81	\$15,342.06	\$900.00	\$13,950.00
\$39.50	\$989,909.50	\$41.02	\$1,028,002.22	\$40.00	\$1,000,000.00
\$25.00	\$2,975.00	\$10.62	\$1,263.78	\$42.03	\$5,001.57
\$28.50	\$11,913.00	\$28.93	\$12,092.74	\$29.28	\$12,239.04
\$4.80	\$7,171.20	\$4.15	\$6,200.10	\$9.83	\$14,686.02
\$32.00	\$1,504.00	\$30.89	\$1,451.83	\$47.02	\$2,209.94
\$410.00	\$15,170.00	\$645.11	\$23,869.07	\$504.29	\$18,658.73
\$1.40	\$6,099.80	\$1.54	\$6,709.78	\$1.51	\$6,579.07
\$15.00	\$1,260.00	\$3.89	\$326.76	\$15.44	\$1,296.96
\$40.00	\$8,360.00	\$5.28	\$1,103.52	\$7.74	\$1,617.66
	\$1,147,362.50		\$1,153,598.40		\$1,194,630.79
	\$1,155,862.50				\$1,197,070.79

*Total in cell M5 should be x6 (\$10,200). Combine total on Bid Form was correct.

* Total in cell Q8 should be \$1,002,440.00, making the subtotal on the Bid Form \$1,197,070.79

	P-MRNRD Elkhorn River IPA Sites Bank Stabilization								
Bid Title:			Vendor:		Boat Ramp		Bank Stabilization Costs		
Bid Opening Date:	November 29th, 2011		HO Chunk Builders					Eligible	Ineligible
General Bid Item Description:	Qty	Units	Unit Price	Total	%	\$ Total	\$ Total	\$ Total	\$ Total
Mobilization	1	LS	\$26,600.00	\$26,600.00	3%	\$798.00	\$25,802.00	\$18,061.40	\$7,740.60
Stabilized Rock Entrance	6	EACH	\$1,000.00	\$6,000.00	0%	\$0.00	\$6,000.00	\$4,200.00	\$1,800.00
Clearing and Grubbing	1	LS	\$28,000.00	\$28,000.00	3%	\$840.00	\$27,160.00	\$19,012.00	\$8,148.00
Pasture Seed Mix	15.5	AC	\$1,700.00	\$26,350.00	0%	\$0.00	\$26,350.00	\$18,445.00	\$7,905.00
Class 'B' Rock RipRap	25,061	TONS	\$35.75	\$895,930.75	0.3%	\$2,687.79	\$893,242.96	\$625,270.07	\$267,972.89
Rock Riprap (Salvage and Reuse)	119	TONS	\$12.00	\$1,428.00	100%	\$1,428.00			
Aggregate Filter	418	TONS	\$25.00	\$10,450.00	15%	\$1,567.50	\$8,882.50	\$6,217.75	\$2,664.75
Excavation	1,494	CY	\$4.25	\$6,349.50	81%	\$5,143.10	\$1,206.41	\$844.48	\$361.92
Limestone Chips	47	TONS	\$25.00	\$1,175.00	100%	\$1,175.00			
Concrete	37	CY	\$218.00	\$8,066.00	100%	\$8,066.00			
Steel Reinforcing Bars	4,357	LBS	\$2.15	\$9,367.55	100%	\$9,367.55			
Concrete Removal	84	SY	\$9.00	\$756.00	100%	\$756.00			
Turf Reinforcing Mat	209	SY	\$2.50	\$522.50	100%	\$522.50			
TOTAL:				\$1,020,995.30		\$32,351.44	\$988,643.86	\$692,050.70	\$296,593.16

Total bid Price	\$1,020,995.30
Less boat ramp	\$32,351.44
Less Ineligible	\$296,593.16
Total Eligible for FEMA reimb.	\$692,050.70
FEMA Reimbursement	\$519,038.03
NRD Share Eligible Costs	\$173,012.68

Total NRD Share	\$501,957.27
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