

Agenda Item: 9.a.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee
FROM: Lori Ann Laster, Stormwater Management Engineer
SUBJECT: Review and Recommendation on Papio Dam Site 15A Construction Bids
DATE: April 2, 2015

The Papio Dam Site 15A (DS15A) project is located northwest of 168th Street and Fort Street in Omaha. This multi-purpose project consists of the construction of a flood control reservoir, water quality basin, basic recreation amenities, fisheries enhancements, sanitary sewer installation, and improvements to Ida Street including replacement of an impacted bridge.

Portions of the project will be funded by the City of Omaha, Douglas County and the Nebraska Game and Parks Commission. Through Interlocal agreement the City of Omaha will reimburse the District for sanitary sewer installation upon completion of the project. Due to the reservoir level, the Ida Street bridge had to be replaced and the profile raised. Douglas County agreed to cover the cost of additional earthwork to grade additional lanes of Ida Street. Nebraska Game and Parks Commission awarded the project \$1.1 million for fisheries enhancements and other recreational improvements. The engineer's estimate for the work was \$15,925,000.

Bids were opened for the project on March 31, 2015. Two bids were received. HDR has evaluated the bids and provided their recommendation (see attached). The bid from McCardle Grading Company is the lowest and best bid received for the project.

General Contractor	Total Bid
McCardle Grading Company	\$16,950,700
Hawkins Construction Company	\$19,736,909

Management recommends that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a construction contract with McCardle Grading Company in the amount of \$16,950,700 for construction of the Papio DS 15A Project, subject to changes deemed necessary by the General Manager and approved as to form by District Legal Counsel.



Sent Electronically on April 2, 2015

April 2, 2015

Ms. Lori Laster, Water Resources Engineer
Papio-Missouri River Natural Resources District
8901 South 154th Street
Omaha, NE 68138-3621

RE: Dam Site 15A and Associated Improvements
Recommendation of Contractor Award

Dear Ms. Laster:

Bids were received for the construction of Dam Site 15A and Associated Improvements on March 31, 2015. Per the attached bid tabulation, two (2) bidders submitted bids which ranged from \$16,950,700 to \$19,736,909. Both bids were above the Engineer's opinion of probable construction cost of \$15,925,027.50.

Bids were evaluated based on the lowest and responsive bidder. The apparent low bid was submitted by McArdle Grading Company of \$16,950,700.00. This bid is \$2,786,209.00 lower than the next lowest bidder. In evaluating the bids, four bid items were substantially lower than the other bidder response: Bid Item No. 1 Mobilization/Demobilization; Bid Item No. 6 Sanitary Sewer; Bid Item No. 7 Main Dam; and Bid Item No. 15 Ida Street Roadway and Bridge. McArdle's bid price for the mobilization/demobilization bid price is \$1,400,000 lower than the other bidder. McArdle's bid price for the sanitary sewer is \$317,000 lower than the other bidder. Earthwork and the pipe material are major portions of the sanitary work. McArdle's bid price for the main dam, which includes earthwork and structural work, is \$825,000 lower than the other bidder. McArdle's bid price for the Ida Street roadway and bridge, which includes earthwork, paving, and the bridge structure, is \$650,000 lower than the other bidder. The reasons for the variations will not be available until the selected contractor submits his schedule of values following notice of award. It is noted that McArdle has long been in the grading business, and with the exception of Bid Item #1, the substantially lower bid items all involved significant earthwork. Regarding Bid Item #1, one potential explanation is that McArdle's headquarters in Elkhorn are approximately 5 miles from the construction site, and the major subcontractors are all located in the Omaha area as well.

In accordance with the requirements in Specification Section 00 41 00 Bid Form, both bidders were responsive and acknowledged receipt of the addendums and attached the necessary documents to the bid. McArdle provided the required bid security, list of subcontractors, and the

Letter to Ms. Laster

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name of its horizontal directional drilling contractor. McArdle representatives also attended the mandatory pre-bid/site showing.

McArdle is a respected, regional construction firm with its roots in Elkhorn. McArdle is a pre-qualified contractor for "General" work by the Nebraska Department of Roads and for "Grading, Minor Grading, Miscellaneous, Rip Rap, Granular Surface Roadway, and Salvage and Removal" work by the Iowa Department of Transportation. McArdle was also the general contractor on the P-MRNRD's Dam Site 13 (Youngman Lake) project and the grading contractor on the P-MRNRD's Midlands Lake and Shadow Lake project. McArdle's major subcontractors: Roloff Construction (sanitary sewer); MBC (Ida Street paving); JMN Construction (Ida Street Bridge); Swain (trail and parking lot paving); and TAB (structures and storm sewers); are all pre-qualified contractors by the Nebraska Department of Roads and known entities in the Omaha area. The horizontal directional drilling contractor, New Tech Construction, Inc based in Nebraska City, NE, and appropriate references were provided. References from the City of Nebraska City, Michels Communications and Util-Link, Inc. were contacted and verified.

Based on the available information, we recommend a construction contract be awarded to McArdle Grading Company in the total of amount of \$16,950,700.00 for construction of Dam Site 15A and Associated Improvements project. Should the Board accept this recommendation and award the contract, the contractor's schedule of values for Bid Items #1, #6, #7, and #15 will be requested and reviewed to determine the reason for the variation in bid price on these items.

If you have any questions do not hesitate to contact me at (402) 926-7110.

Very truly yours,
HDR ENGINEERING, INC.

A handwritten signature in black ink, appearing to read "John J. Engel". The signature is fluid and cursive, with the first name "John" being the most prominent.

John J. Engel, P.E.
Project Manager

Enclosure



BID TABULATION
 Dam Site 15A and Associated Improvements
 Papio-Missouri River NRD
 Douglas County, NE



Bid Opening: March 31, 2015
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Item No	ITEM	UNIT	QTY.	Engineer's Estimate		Hawkins		McArdle Grading Co.	
				UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
1	Mobilization/Demobilization	1	LS	\$1,399,750.00	\$1,399,750.00	\$1,733,858.13	\$1,733,858.13	\$300,000.00	\$300,000.00
2	Demolitions and Removals	1	LS	\$333,060.00	\$333,060.00	\$257,951.96	\$257,951.96	\$375,000.00	\$375,000.00
3	Erosion Control Measures	1	LS	\$477,500.00	\$477,500.00	\$317,126.83	\$317,126.83	\$255,000.00	\$255,000.00
4	Quality Control Testing Agency	1	LS	\$110,000.00	\$110,000.00	\$158,699.82	\$158,699.82	\$100,000.00	\$100,000.00
5	Surveying	1	LS	\$55,000.00	\$55,000.00	\$194,686.18	\$194,686.18	\$125,000.00	\$125,000.00
6	Sanitary Sewer	1	LS	\$1,336,515.00	\$1,336,515.00	\$2,142,472.08	\$2,142,472.08	\$1,825,000.00	\$1,825,000.00
7	Main Dam	1	LS	\$3,261,915.00	\$3,261,915.00	\$4,824,558.29	\$4,824,558.29	\$4,100,000.00	\$4,100,000.00
8	Main Dam Inspection Trench	4800	CY	\$10.50	\$50,400.00	\$9.60	\$46,080.00	\$7.00	\$33,600.00
9	Auxiliary Spillway Excavation and Recompaction	1000	CY	\$7.88	\$7,880.00	\$7.20	\$7,200.00	\$10.00	\$10,000.00
10	Water Quality Basin	1	LS	\$558,650.00	\$558,650.00	\$850,581.70	\$850,581.70	\$1,150,000.00	\$1,150,000.00
11	Shoreline Rock Riprap	14700	TONS	\$44.29	\$651,063.00	\$49.56	\$728,532.00	\$58.50	\$859,950.00
12	Rock Riprap, NDOR Type B	19000	TONS	\$43.84	\$832,960.00	\$49.91	\$948,290.00	\$58.50	\$1,111,500.00
13	Fisheries Enhancements	1	LS	\$320,271.00	\$320,271.00	\$428,950.31	\$428,950.31	\$210,000.00	\$210,000.00
14	Fisheries Enhancements Equipment and Operator Use	60	HRS	\$225.00	\$13,500.00	\$479.82	\$28,789.20	\$250.00	\$15,000.00
15	Ida Street Roadway and Bridge	1	LS	\$2,295,541.00	\$2,295,541.00	\$3,299,602.63	\$3,299,602.63	\$2,650,000.00	\$2,650,000.00
16	Ida Street Bridge Piling	9025	LF	\$35.94	\$324,358.50	\$38.05	\$343,401.25	\$50.00	\$451,250.00
17	North and South Access Areas	1	LS	\$1,462,775.00	\$1,462,775.00	\$952,839.73	\$952,839.73	\$975,000.00	\$975,000.00
18	Waste Material Disposal	5000	CY	\$0.75	\$3,750.00	\$9.60	\$48,000.00	\$5.00	\$25,000.00
19	Vollmer and Kuger Drives	1	LS	\$172,015.00	\$172,015.00	\$201,564.63	\$201,564.63	\$75,000.00	\$75,000.00
20	Recreational Trail	1	LS	\$1,266,166.00	\$1,266,166.00	\$1,113,759.71	\$1,113,759.71	\$1,300,500.00	\$1,300,500.00
21	Seeding and Fencing	1	LS	\$903,903.00	\$903,903.00	\$827,615.26	\$827,615.26	\$641,800.00	\$641,900.00
22	Forested Wetland Mitigation	1	LS	\$83,055.00	\$83,055.00	\$41,271.26	\$41,271.26	\$62,000.00	\$62,000.00
23	Foundation Stabilization	5000	CY	\$1.00	\$5,000.00	\$14.39	\$71,950.00	\$10.00	\$50,000.00
24	All Other Work Not Covered by a Bid Item	1	LS	\$0.00	\$0.00	\$69,328.03	\$69,328.03	\$250,000.00	\$250,000.00
TOTAL BID:					\$15,925,027.60		\$19,736,909.00		\$16,960,700.00
Addendum No. 1:						YES		YES	
Addendum No. 2:						YES		YES	
Addendum No. 3:						YES		YES	
Site Visit/Pre-bid Meeting Attendance:						YES		YES	
List Subcontractors:									
Surveyor:						RW Engineering		Olsson Associates	
Testing Lab:						Olsson Associates		Tetracon	
Horizontal Directional Drilling Pipe Installer						New Tech/KW Boring		New Tech Construction	
Earthwork						Pink Grading			
Sanitary								Roloff Construction	
Ida Street Paving								MBC	
Ida Street Bridge								JMN Construction	
Trail Paving/Parking Lot Paving								Swain	
Recreational Facilities								Dostals	
Fencing						Safety Guard		Safety Guard	
Erosion Control								Commercial Seeding	
Tree Planting						Jensen Gardens		Mulhais	
Structures and Storm Sewers								TAB	
Traffic Control Barricading						Toddeo		Toddeo	
Seeding						O'dell			
Remarks:									