Agenda Item: 7.

## Memorandum

To:

Programs, Projects and Operations Subcommittee

From:

Amanda Grint, Water Resources Engineer

Date:

September 6, 2012

Re:

Review and Recommendation of Bids Received for West Papillion Regional Basin 5

(WP-5) Project

On September 4, 2012, bids were opened for the construction of the WP-5 project. A copy of the bid tabulation is attached along with the recommendation letter from HDR Engineering, Inc.

The WP-5 project is a flood control reservoir located near 126<sup>th</sup> Street and Cornhusker Road in Sarpy County. The projects consists of the construction of a main dam, two water quality basins, Lincoln Road extension with bridge, sanitary sewer relocation and recreational features.

Four bids were received and the range of bids was \$14,488,571.57 to \$22,949,550.00. The engineers estimate for the construction of WP-5 and associated improvements is \$18,920,705.00. HDR has reviewed the work history for the contractor and subcontractors and has verified that they are able to construct the project according to specifications. The work is anticipated to begin October 1, 2012 with substantial completion by June 2014.

Management recommends that the Subcommittee recommend to the Board that the General Manager be authorized to execute a contract with Hawkins Construction Company for the construction of the WP-5 project for the bid amount of \$14,488,571.57, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.



Sent Electronically on September 6, 2012

September 6, 2012

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

RE:

Regional Detention Basin WP-5 and Associated Improvements

Recommendation of Contractor Award

Dear Ms. Grint:

Bids were received for the construction of the Regional Detention Basin WP-5 and Associated Improvements on September 4, 2012. Per the attached bid tabulation, four (4) bidders submitted bids which ranged from \$22,979,550 to \$14,488,571.57. Three (3) of the bids were below the Engineer's opinion of probable construction cost of \$18,920,705.

Bids were evaluated based on the lowest and responsive bidder. The apparent low bid was submitted by Hawkins Construction Company (Hawkins) in the amount of \$14,488,571.57. This bid is \$3,225,000 lower than the next lowest bidder. In evaluating the bids, two bid items were substantially lower than other bidder responses: Bid Item No. 4 Sanitary Sewer and Bid Item No. 5 Main Dam. Hawkins' bid price for the sanitary sewer is \$700,000 lower than the next lowest bidder. Earthwork and the pipe material are major portions of the sanitary work. Hawkins' bid price for the main dam, which includes earthwork and structural work, is \$1,100,000 lower than the next lowest bidder. The reasons for the variations will not be available until the selected contractor submits his schedule of values following notice of award.

In accordance with the requirements in Specification Section 00 41 00 Bid Form, all bidders were responsive and acknowledged receipt of the addendums and attached the necessary documents to the bid. Hawkins provided the required bid security, list of subcontractors, and the name of its prefabricated bridge supplier. Hawkins representatives also attended the mandatory pre-bid/site showing.

Hawkins is a respected, regional construction firm with its roots in Omaha. Hawkins is a prequalified contractor for "General" work by the Nebraska Department of Roads and for "Sewer, Bridge, Intakes & Watermains, Miscellaneous, PCC Pavement, Rest Areas/Weigh Scales, and H1" work by the Iowa Department of Transportation. C.J. Moyna and Sons Construction Inc. will be a subcontractor performing the grading work, including the construction of the main dam and 2 water quality basins. With its headquarters in Elkader, Iowa, C.J. Moyna has been in operation for over 40 years and specializes in excavation and grading work. C.J. Moyna is a

Letter to Ms. Grint September 6, 2010 Page 2 of 2

pre-qualified contractor for "Grading" work by the Iowa Department of Transportation. C.J. Moyna has worked on previous projects with Hawkins, including a \$20 million airport project in Cedar Rapids, Iowa in 2010. References were requested for C.J. Moyna on a completed dam project and were received for a 2011 dam project near Des Moines, Iowa. The Owner (Iowa Department of Natural Resources) was pleased with C.J. Moyna's performance on the project.

Based on the available information, we recommend a contract be awarded to Hawkins Construction Company in the total of amount of \$14,488,571.57 for construction of the Regional Detention Basin WP-5 and Associated Improvements project. Should the Board accept this recommendation and award the contract, the contractor's schedule of values for Bid Items #4 and #5 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.

John J. Engel, P.E. Project Manager

Enclosure



BID TABULATION Regional Detention Basin WP-5 Dam and Associated Improvements Papio-Missouri River NRD Sarpy County, NE



Bid Opening: September 4, 2012 3:00 PM Pag

Page 1 of 1

								Commercial	Contractore		3:00 PM		Page 1 of 1
				Engineer's Estimate		Graham Construction, Inc.		Commercial Contractors Equipment, Inc.		Hawkins Construction Company		Ames Cons	truction Inc
Item No	ITEM	UNIT	QTY.	UNIT PRICE		UNIT PRICE	EXTENSION	UNIT PRICE		UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
	Mobilization & Demobilization	LS	1		\$1,071,000.00								
	Demolition & Removals	LS	1	\$56,000.00						\$170,547.64			
	Erosion Control Measures	LS	1 1	\$363,800.00							\$306,736.21	\$250,000.00	
	Sanitary Sewer	LS	1	\$4,016,100.00								\$3,800,000.00	
	Main Dam	LS	1	\$3,213,800.00		\$3,000,000.00						\$3,030,000.00	
6	Main Dam Inspection Trench	CY	6,100	\$6.50						\$5.77	\$35,197.00	\$5.00	\$30,500.
	Auxiliary Spillway Peoria Loess Excavation & Recompaction	CY	1,000							\$6.92		\$25.00	
	North Water Quality Basin	LS	1	\$343,800.00				\$1,086,000.00		\$526,172.46		\$1,250,000.00	
9	North Water Quality Basin Inspection Trench	CY	1,800	\$6.50						\$5.77	\$10,386.00	\$5.00	\$9,000.
	South Water Quality Basin	LS	1	\$1,568,500.00				\$1,445,000.00		\$902,329.15		\$1,100,000.00	
11	South Water Quality Basin Inspection Trench	CY	1,500	\$6.50		\$3.20	\$4,800.00	\$8.67	\$13,005.00	\$5.77	\$8,655.00	\$5.00	\$7,500.
	Shoreline Rock Riprap	TNS	23,000	\$49.00	\$1,127,000.00	\$43.00	\$989,000.00	\$52.00	\$1,196,000.00	\$41.06	\$944,380.00	\$45.00	\$1,035,000.
13	Rock Riprap, NDOR Type 'B'	TNS	20,000	\$47.50	\$950,000.00	\$41.00	\$820,000.00	\$50.00	\$1,000,000.00	\$41.62	\$832,400.00	\$45.00	\$900,000.
14	Fisheries Enhancements	LS	1	\$209,900.00	\$209,900.00	\$204,000.00	\$204,000.00	\$547,000.00	\$547,000.00	\$223,594.05	\$223,594.05	\$225,000.00	\$225,000.
15	Fisheries Enhancements Equipment & Operator Use	HRS	80	\$127.50	\$10,200.00	\$215.00	\$17,200.00	\$320.00	\$25,600.00	\$201.84	\$16,147.20	\$150.00	\$12,000.
16	Lincoln Road Roadway & Bridge	LS	1	\$2,688,800.00	\$2,688,800.00	\$2,475,000.00	\$2,475,000.00	\$3,145,000.00	\$3,145,000.00	\$1,842,328.08	\$1,842,328.08	\$2,000,000.00	\$2,000,000.
17	Lincoln Road Bridge Piling	LF	7,885	\$33.00		\$39.00	\$307,515.00		\$323,285.00	\$36.32	\$286,383.20	\$35.00	
18	Lincoln Road & Cornhusker Road West Recreational Facilities	LS	1	\$749,300.00	\$749,300.00	\$765,000.00	\$765,000.00	\$895,000.00	\$895,000.00	\$665,711.37	\$665,711.37	\$920,000.00	\$920,000.
19	Recreational Trail	LS	1	\$1,818,000.00	\$1,818,000.00	\$1,425,000.00	\$1,425,000.00	\$1,535,000.00	\$1,535,000.00	\$850,821.38	\$850,821.38	\$950,000.00	\$950,000.
20 \	Westmont Water Service	LS	1	\$28,500.00	\$28,500.00	\$25,000.00	\$25,000.00	\$41,650.00	\$41,650.00	\$13,102.40	\$13,102.40	\$25,000.00	\$25,000.0
21 3	Seeding & Fencing	LS	1	\$370,200.00	\$370,200.00	\$547,000.00	\$547,000.00	\$680,000.00	\$680,000.00	\$575,272.31	\$575,272.31	\$500,000.00	\$500,000.
22	All Work Not Covered by a Bid Item	LS	1	\$0.00	\$0.00	\$418,000.00	\$418,000.00	\$517,000.00	\$517,000.00	\$195,702.15	\$195,702.15	\$250,000.00	\$250,000.
23 F	Foundation Stabilization	CY	100	\$45.00	\$4,500.00	\$53.00	\$5,300.00	\$24.00	\$2,400.00	\$21.06	\$2,106.00	\$25.00	\$2,500.
	TOTAL BID:				\$18,920,705.00		\$17,713,650.00		\$22,949,550.00		\$14,488,571.57		\$17,822,475.0
											8.6%		
Addendum No. 1:				August 1	16, 2012	,	,	Y	,		,		,
Addendum No. 2:				August 24, 2012		Ÿ		Ÿ		,	,	Y	,
Addendum No. 3:				August 29, 2012		Ý		Ý		Ÿ		Ÿ	
Addendum No. 4:				August 30, 2012		Ÿ		Ÿ		Ÿ		Ÿ	
Mandatory Site Visit/Pre-bid Meeting Attendance:				7.10300.007.207.2		Ý		Ÿ		Ÿ		Ÿ	
List Subcontractors -						Ÿ		Ÿ		Ý		Ÿ	
Surveyor:						Olsson		Olsson		R.W. Surveying		E&A Consulting	
Testing Lab:						Olsson		Olsson		Olsson or Terracon		Terracon	
Bridge Manufacturer:						Wheeler		TBD		Wheeler Lumber		Contech	
Bid Guarantee (5% Bid Bond):						Y		Y		Y		Y	
Remarks:								<u>-</u>	İ	Lowest	Ridder		