

MEMORANDUM

TO: Programs Projects and Operations Subcommittee

FROM: Terry Schumacher, Land & Water Programs Coordinator

SUBJECT: Review and Recommendation of Bids Received for Pigeon/Jones Creek Grade Control Structure PJ-12A.

DATE: November 2, 2020

On October 28, 2020, District staff opened bids for the construction of Pigeon/Jones Creek Grade Control Structure (PJ-12A) in Dakota County. This project is a 229,747 cubic yard earthen grade control structure located on the Pigeon Creek in Dakota County. This structure will be the eleventh of twenty-two planned structures to be built. The Pigeon/Jones Creek Special Watershed Project is a project developed by the Natural Resources Conservation Service and the P-MRNRD. The project was designed to reduce the amount of sediment leaving the watershed and deposited downstream in the Pigeon levee system.

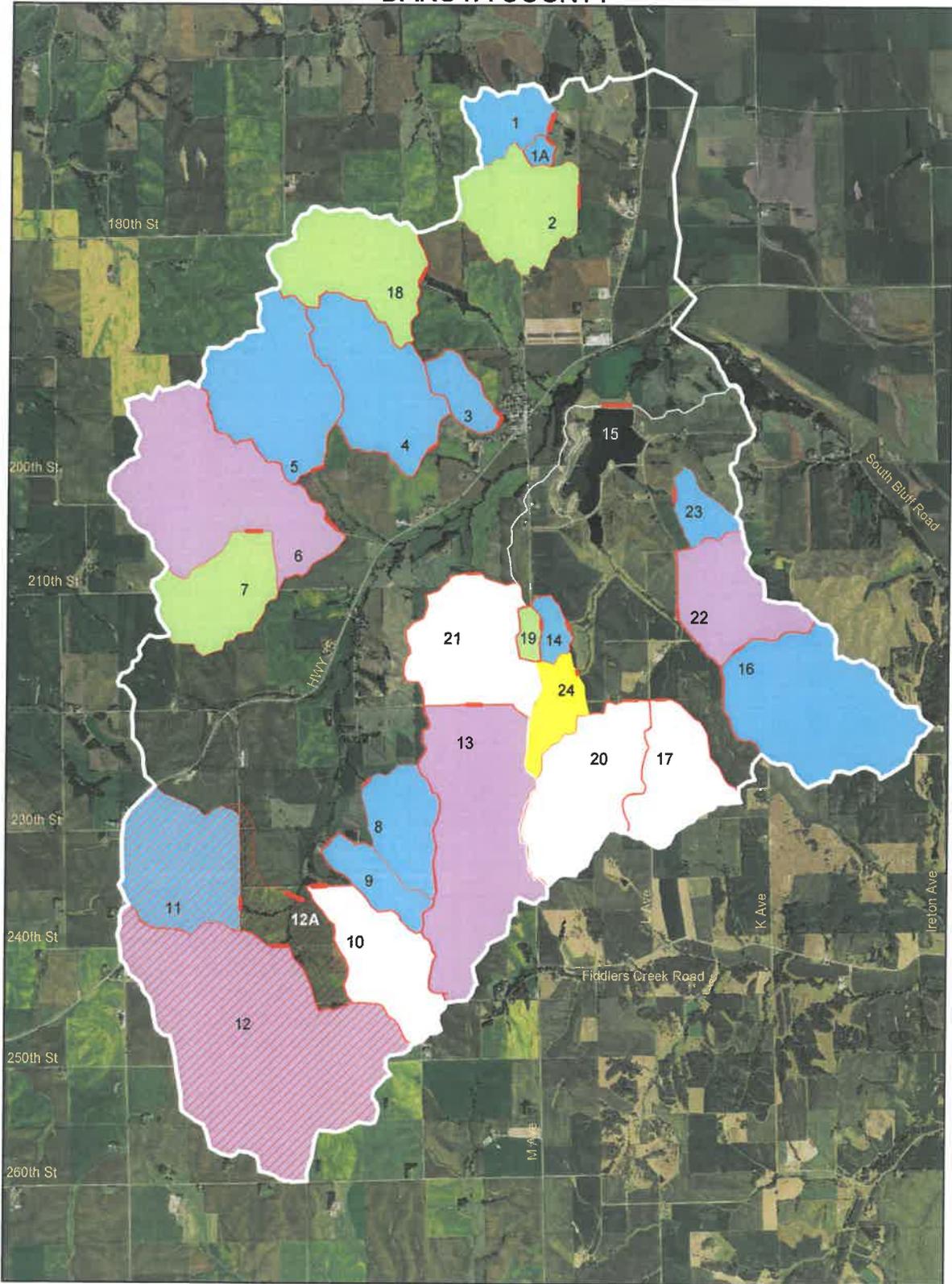
A total of four bids were received. (See attached bid summary) Detlefsen Construction's bid of \$1,626,514.23 is the apparent low bid. Staff and the engineer have reviewed the bids submitted and have determined that Detlefsen Construction is the lowest and best bidder (See attached Olsson Associate's letter of recommendation). The engineer's estimate for this project is \$1,610,309.00.

Once given the notice to proceed, the contractor will have 150 working days to substantially complete the project.

It is staff's recommendation that the Subcommittee recommend to the Board that the General Manager be authorized to execute a contract with Detlefsen Construction for the construction of Pigeon/Jones Creek Grade Control Structure PJ-12A in the bid amount of \$1,626,514.23, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.

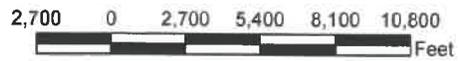
PIGEON/JONES WATERSHED DAKOTA COUNTY

Date: 9/6/17



Legend

- PLANNED
- ROAD STRUCTURES (PLANNED)
- COMPLETED
- ADDITIONAL PLANNED STRUCTURES
- TECHNICALLY INFEASIBLE SITES
- PJ12A Drainage



Bid Opening October 28, 2020 10:30 AM

P-MNRD PJ-12A Tabulation of Bids Received

Olsson Project: 007-1658

Cost Opinion		Engineer's OPC		Bidder: Detlefsen Const.		Bidder: Dixon Construction Co		Bidder: Peterson Contractors, Inc		Bidder: Commercial Contractors		
Item	Quantity	Unit		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
Base Bid												
Mobilization and Construction Staking	1.00	LS	\$100,000	\$100,000	\$ 70,000.00	\$ 70,000.00	\$ 235,000.00	\$ 235,000.00	\$ 185,000.00	\$ 185,000.00	\$ 150,000.00	\$ 150,000.00
Construction Entrance	1.00	EA	\$5,500	\$5,500	\$ 10,000.00	\$ 10,000.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 4,500.00	\$ 4,500.00
General Clearing and Grubbing	1.00	LS	\$6,000	\$6,000	\$ 10,000.00	\$ 10,000.00	\$ 2,000.00	\$ 2,000.00	\$ 5,500.00	\$ 5,500.00	\$ 30,000.00	\$ 30,000.00
Tree Removal	2.40	AC	\$3,500	\$8,400	\$ 3,340.00	\$ 8,016.00	\$ 2,000.00	\$ 4,800.00	\$ 8,500.00	\$ 20,400.00	\$ 15,000.00	\$ 36,000.00
Demo and Dispose of Existing Bridge	1.00	LS	\$10,000	\$10,000	\$ 4,000.00	\$ 4,000.00	\$ 5,500.00	\$ 5,500.00	\$ 5,500.00	\$ 5,500.00	\$ 10,000.00	\$ 10,000.00
Strip and Salvage Top Soil	1.00	LS	\$9,000	\$9,000	\$ 40,000.00	\$ 40,000.00	\$ 75,300.00	\$ 75,300.00	\$ 80,000.00	\$ 80,000.00	\$ 100,000.00	\$ 100,000.00
Earthwork Measured as Spoils	14,903.00	CY	\$2.50	\$37,258	\$ 3.12	\$ 46,497.36	\$ 3.00	\$ 44,709.00	\$ 5.75	\$ 85,692.25	\$ 15.00	\$ 223,545.00
Earthwork Measured as Fill	229,747.00	CY	\$2.50	\$574,368	\$ 3.00	\$ 689,241.00	\$ 2.50	\$ 574,367.50	\$ 3.75	\$ 861,551.25	\$ 10.50	\$ 2,412,343.50
Auxiliary Spillway Over Excavation	3,705.00	CY	\$2.50	\$9,263	\$ 2.41	\$ 8,929.05	\$ 3.00	\$ 11,115.00	\$ 5.75	\$ 21,303.75	\$ 6.50	\$ 24,082.50
NDOT 47B Fine Aggregate	900.00	CY	\$60.00	\$54,000	\$ 53.92	\$ 48,528.00	\$ 52.50	\$ 47,250.00	\$ 88.00	\$ 79,200.00	\$ 125.00	\$ 112,500.00
2" Chrushed Rock	75.00	CY	\$65.00	\$4,875	\$ 68.14	\$ 5,110.50	\$ 70.00	\$ 5,250.00	\$ 101.00	\$ 7,575.00	\$ 150.00	\$ 11,250.00
6" Perforated Pipe	1,313.00	LF	\$14.00	\$18,382	\$ 6.10	\$ 8,009.30	\$ 13.00	\$ 17,069.00	\$ 13.00	\$ 17,069.00	\$ 65.00	\$ 85,345.00
60" RCCP	260.00	LF	\$850.00	\$221,000	\$ 615.38	\$ 159,998.80	\$ 900.00	\$ 234,000.00	\$ 910.00	\$ 236,600.00	\$ 950.00	\$ 247,000.00
Concrete Impact Basin (Complete)	1.00	EA	\$75,000	\$75,000	\$ 71,600.00	\$ 71,600.00	\$ 270,000.00	\$ 270,000.00	\$ 280,000.00	\$ 280,000.00	\$ 260,000.00	\$ 260,000.00
Concrete Baffle Riser (Complete)	1.00	EA	\$75,000	\$75,000	\$ 87,000.00	\$ 87,000.00	\$ 300,000.00	\$ 300,000.00	\$ 310,000.00	\$ 310,000.00	\$ 350,000.00	\$ 350,000.00
18" HDPE Drawdown Pipe With Trash Rack	35.00	LF	\$200	\$7,000	\$ 182.86	\$ 6,400.10	\$ 500.00	\$ 17,500.00	\$ 600.00	\$ 21,000.00	\$ 250.00	\$ 8,750.00
NDOT Class B Riprap	2,791.00	TONS	\$70	\$195,370	\$ 48.34	\$ 134,916.94	\$ 52.00	\$ 145,132.00	\$ 43.00	\$ 120,013.00	\$ 95.00	\$ 265,145.00
Filter Fabric	2,612.00	SY	\$2	\$5,224	\$ 3.54	\$ 9,246.48	\$ 3.00	\$ 7,836.00	\$ 3.75	\$ 9,795.00	\$ 4.50	\$ 11,754.00
Bollard	6.00	EA	\$160	\$960	\$ 334.00	\$ 2,004.00	\$ 500.00	\$ 3,000.00	\$ 600.00	\$ 3,600.00	\$ 500.00	\$ 3,000.00
Piezometer	3.00	EA	\$1,500	\$4,500	\$ 4,000.00	\$ 12,000.00	\$ 3,500.00	\$ 10,500.00	\$ 4,000.00	\$ 12,000.00	\$ 5,000.00	\$ 15,000.00
Seeding and Mulching	16.80	AC	\$1,500	\$25,200	\$ 1,369.00	\$ 22,999.20	\$ 1,245.00	\$ 20,916.00	\$ 1,600.00	\$ 26,880.00	\$ 1,850.00	\$ 31,080.00
Temporary Silt Fence	2005	LF	\$2	\$4,010	\$ 3.50	\$ 7,017.50	\$ 2.95	\$ 5,914.75	\$ 2.15	\$ 4,314.75	\$ 3.25	\$ 6,516.25
Construction and Material Testing	1	LS	\$45,000	\$45,000	\$ 45,000.00	\$ 45,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 100,000.00	\$ 100,000.00
Wetland and Channel Mitigation	1	LS	\$115,000	\$115,000	\$ 120,000.00	\$ 120,000.00	\$ 150,000.00	\$ 150,000.00	\$ 120,000.00	\$ 120,000.00	\$ 300,000.00	\$ 300,000.00
Total			\$1,610,309		\$ 1,626,514.23	\$ 2,240,659.25	\$ 2,240,659.25	\$ 2,566,490.00	\$ 2,566,490.00	\$ 4,797,811.25	\$ 4,797,811.25	



October 29, 2020

Papio-Missouri River NRD
Attn: Terry Schumacher

Re: Pigeon/Jones Creek Site 12A
Letter of Recommendation of Award
Olsson Project No. 007-1658

Dear Mr. Schumacher,

Bids for the construction of the above referenced project were received on Wednesday October 28th, 2020. This letter is prepared to summarize the bids received and provide our recommendation for making an award of the project.

A total of four (4) bids were submitted for the project as follows:

Bidder	Total Base Bid	Final Completion Date
Detlefsen Construction	\$1,626,514.23	150 Working Days
Dixon Construction Co.	\$2,240,659.25	150 Working Days
Peterson Contractors, Inc.	\$2,566,490.00	150 Working Days
Commercial Contractors	\$4,797,811.25	150 Working Days

The engineer's opinion of probable construction costs for the construction was \$1,610,309.00. The low bid in the amount of \$1,626,514.23 was submitted by Detlefsen of Laurel, Nebraska.

Since Detlefsen Construction has been deemed a responsive and responsible bidder, it is our recommendation that they should be awarded the contract in the amount of \$1,626,514.23

Please contact me with any additional questions that you may have.

Sincerely,

Michael W. Placke, PE, MBA