

Agenda Item: 8.

**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-16.

**DATE:** August 29, 2016

On August 24, 2016, District staff opened bids for the construction of Pigeon/Jones Creek Grade Control Structure (PJ-16) in Dakota County. This project is a 34,800 cubic yard earthen grade control structure located on a tributary to the Pigeon Creek. This structure will be the tenth 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 five bids were received. (See attached bid summary) Mathers Construction's bid of \$219,879.43 is the apparent low bid. Staff and the engineer have reviewed the bids submitted and have determined that Mathers Construction is the lowest and best bidder (See attached Olsson Associate's letter of recommendation). The engineer's estimate for this project is \$207,104.50.

NDEQ Section 319 funds in the amount of 60 per cent matching funds are available for construction of PJ-16.

Once given the notice to proceed, the contractor will have 60 days to 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 Mathers Construction for the construction of Pigeon/Jones Creek Grade Control Structure PJ-16 in the bid amount of \$219,879.43, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.**

**Tabulation of Bids Received for the construction of Pigeon Jones Site 16**

08.24.16 mwp

OA Project: 007-1658

Tabulation of Bids Received			Engineers Opinion of Cost		Mathers Construction		Kohl Construction, Inc.	
Item	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
<b>Base Bid</b>								
Mobilization and Construction Staking	1	LS	\$12,000.00	\$12,000.00	\$ 6,400.00	\$ 6,400.00	\$ 20,000.00	\$ 20,000.00
General Clearing and Grubbing	1	LS	\$5,000.00	\$5,000.00	\$ 6,000.00	\$ 6,000.00	\$ 2,500.00	\$ 2,500.00
Removal of Trees	5.2	ACRE	\$1,200.00	\$6,240.00	\$ 2,884.60	\$ 14,999.92	\$ 4,500.00	\$ 23,400.00
Embankment Compacted Fill	34800	CU YD	\$2.25	\$78,300.00	\$ 2.40	\$ 83,520.00	\$ 2.50	\$ 87,000.00
Excavation of Keyway and Channel Cleanout	2922	CU YD	\$2.25	\$6,574.50	\$ 3.25	\$ 9,496.50	\$ 2.50	\$ 7,305.00
Strip, Salvage and Replace Topsoil (Dam Site)	3570	CU YD	\$2.25	\$8,032.50	\$ 3.00	\$ 10,710.00	\$ 4.00	\$ 14,280.00
Strip, Salvage and Replace Topsoil (Borrow Site)	6630	CU YD	\$2.25	\$14,917.50	\$ 3.00	\$ 19,890.00	\$ 3.50	\$ 23,205.00
48" diameter – 10 ga. Polymer Coated CMP Pipe	205	LF	\$220.00	\$45,100.00	\$ 135.13	\$ 27,701.65	\$ 135.00	\$ 27,675.00
60" – 8 ga. Polymer CMP Riser, 16 feet in length	1	LS	\$6,000.00	\$6,000.00	\$ 6,888.36	\$ 6,888.36	\$ 7,500.00	\$ 7,500.00
Conical Trash Rack	1	LS	\$1,000.00	\$1,000.00	\$ 2,968.00	\$ 2,968.00	\$ 3,500.00	\$ 3,500.00
NDOR Class 'C' Rock Riprap	80	TON	\$60.00	\$4,800.00	\$ 29.00	\$ 2,320.00	\$ 60.00	\$ 4,800.00
NDOR 47B Fine Aggregate	142	CY	\$55.00	\$7,810.00	\$ 30.00	\$ 4,260.00	\$ 52.00	\$ 7,384.00
Seeding (Type 1) and Seed Bed Preparation	2.2	ACRE	\$2,000.00	\$4,400.00	\$ 3,000.00	\$ 6,600.00	\$ 2,000.00	\$ 4,400.00
Seeding (Type 2) and Seed Bed Preparation	4.1	ACRE	\$800.00	\$3,280.00	\$ 3,000.00	\$ 12,300.00	\$ 750.00	\$ 3,075.00
Temporary Ditch Wattle	30	LF	\$25.00	\$750.00	\$ 25.00	\$ 750.00	\$ 5.00	\$ 150.00
Temporary Silt Fence	1450	LF	\$2.00	\$2,900.00	\$ 3.50	\$ 5,075.00	\$ 2.50	\$ 3,625.00
<b>Total</b>				<b>\$207,104.50</b>		<b>\$ 219,879.43</b>		<b>\$ 239,799.00</b>

**Tabulation of Bids Received for the construction of Pigeon Jones Site 16**

08.24.16 mwp

OA Project: 007-1658

Tabulation of Bids Received			Pruss Excavation		Detlefsen Construction		TCW Construction	
Item	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
<b>Base Bid</b>								
Mobilization and Construction Staking	1	LS	\$ 18,900.00	\$ 18,900.00	\$ 20,000.00	\$ 20,000.00	\$ 127,304.04	\$ 127,304.04
General Clearing and Grubbing	1	LS	\$ 4,500.00	\$ 4,500.00	\$ 6,000.00	\$ 6,000.00	\$ 6,894.91	\$ 6,894.91
Removal of Trees	5.2	ACRE	\$ 4,000.00	\$ 20,800.00	\$ 13,076.90	\$ 67,999.88	\$ 4,936.77	\$ 25,671.20
Embankment Compacted Fill	34800	CU YD	\$ 2.59	\$ 90,132.00	\$ 3.03	\$ 105,444.00	\$ 4.02	\$ 139,896.00
Excavation of Keyway and Channel Cleanout	2922	CU YD	\$ 4.50	\$ 13,149.00	\$ 3.15	\$ 9,204.30	\$ 7.84	\$ 22,908.48
Strip, Salvage and Replace Topsoil (Dam Site)	3570	CU YD	\$ 2.40	\$ 8,568.00	\$ 1.56	\$ 5,569.20	\$ 5.34	\$ 19,063.80
Strip, Salvage and Replace Topsoil (Borrow Site)	6630	CU YD	\$ 2.40	\$ 15,912.00	\$ 1.27	\$ 8,420.10	\$ 5.34	\$ 35,404.20
48" diameter – 10 ga. Polymer Coated CMP Pipe	205	LF	\$ 156.00	\$ 31,980.00	\$ 151.22	\$ 31,000.10	\$ 188.71	\$ 38,685.55
60" – 8 ga. Polymer CMP Riser, 16 feet in length	1	LS	\$ 10,090.00	\$ 10,090.00	\$ 9,410.00	\$ 9,410.00	\$ 12,214.28	\$ 12,214.28
Conical Trash Rack	1	LS	\$ 3,070.00	\$ 3,070.00	\$ 5,330.00	\$ 5,330.00	\$ 3,875.19	\$ 3,875.19
NDOR Class 'C' Rock Riprap	80	TON	\$ 65.00	\$ 5,200.00	\$ 62.50	\$ 5,000.00	\$ 47.11	\$ 3,768.80
NDOR 47B Fine Aggregate	142	CY	\$ 33.00	\$ 4,686.00	\$ 102.29	\$ 14,525.18	\$ 68.24	\$ 9,690.08
Seeding (Type 1) and Seed Bed Preparation	2.2	ACRE	\$ 2,450.00	\$ 5,390.00	\$ 1,127.35	\$ 2,480.17	\$ 3,777.07	\$ 8,309.55
Seeding (Type 2) and Seed Bed Preparation	4.1	ACRE	\$ 2,200.00	\$ 9,020.00	\$ 146.50	\$ 600.65	\$ 3,391.06	\$ 13,903.35
Temporary Ditch Wattle	30	LF	\$ 10.00	\$ 300.00	\$ 200.00	\$ 6,000.00	\$ 4.27	\$ 128.10
Temporary Silt Fence	1450	LF	\$ 2.90	\$ 4,205.00	\$ 2.70	\$ 3,915.00	\$ 3.36	\$ 4,872.00
<b>Total</b>				<b>\$ 245,902.00</b>		<b>\$ 300,898.58</b>		<b>\$ 472,589.53</b>



September 1, 2016

Papio-Missouri River NRD  
Attn: Mr. Terry Schumacher  
8901 S. 154<sup>th</sup> St.  
Omaha, NE 68138

Re: Pigeon/Jones Creek Site 16  
Letter of Recommendation of Award  
OA Project No. 007-1658

Dear Mr. Schumacher,

Bids for the above referenced project were received on Wednesday August 24<sup>th</sup>, 2016. This letter is prepared to summarize the bids received and provide our recommendation for making an award of the project.

A total of five (5) bids were submitted for the project as follows:

Bidder	Total Base Bid
Mathers Construction	\$ 219,879.43
Kohl Construction, Inc.	\$ 239,799.00
Pruss Excavation	\$ 245,902.00
Detlefsen Construction	\$ 300,898.58
TCW Construction	\$ 472,589.53

The engineer's opinion of probable construction costs for the project was \$207,104.50. The low bid in the amount of \$219,879.43 was submitted by Mathers Construction of Correctionville, Iowa.

Mathers Construction has submitted a list of similar projects and references. Since Mathers Construction has been deemed a responsive and responsible bidder, it is our recommendation that they should be awarded the contract in the amount of \$219,879.43.

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

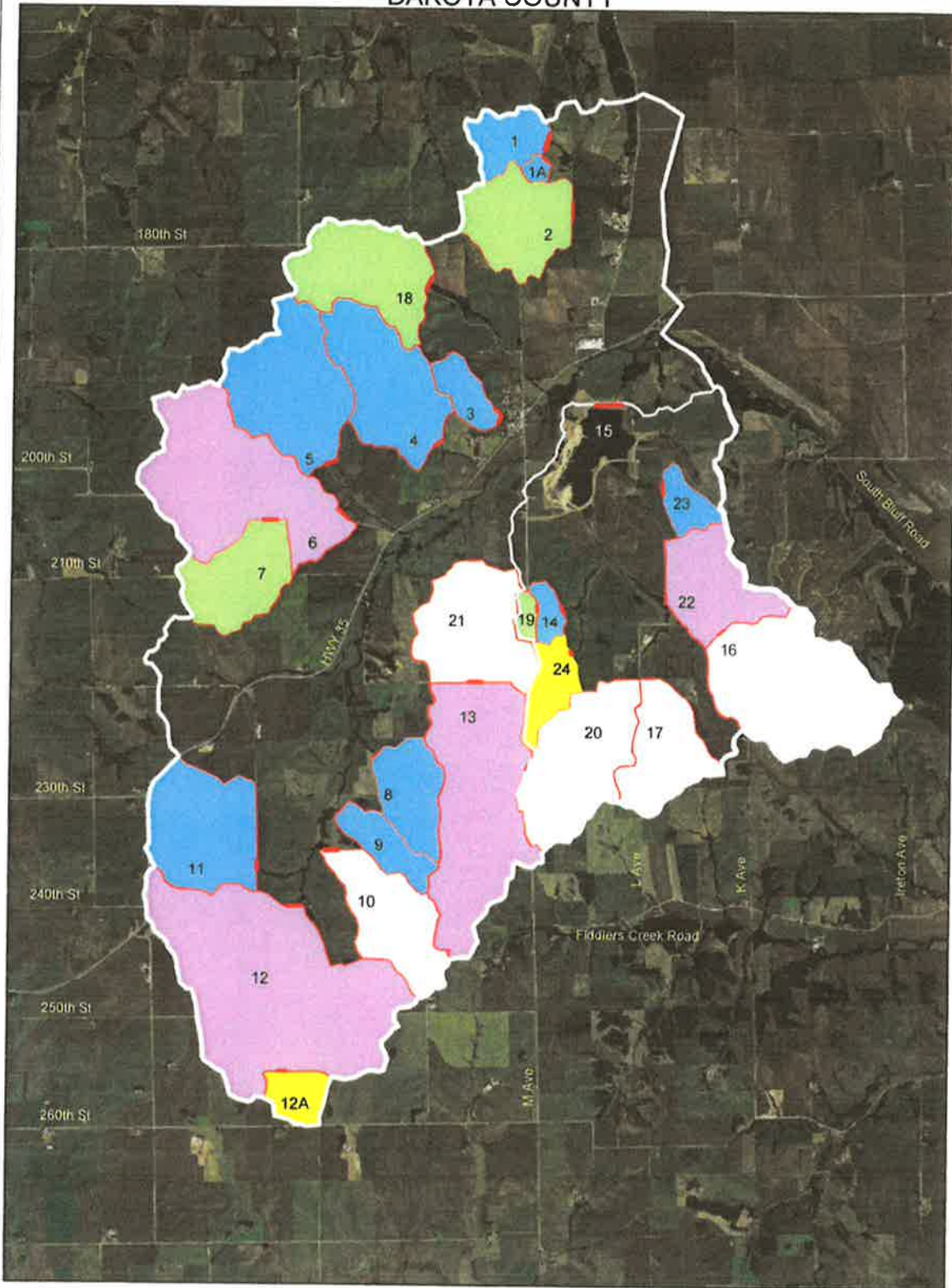
Sincerely,

A handwritten signature in blue ink that reads "Michael W. Placke".

Michael W. Placke, PE, MBA  
Olsson Associates

# PIGEON/JONES WATERSHED DAKOTA COUNTY

Date: 8/24/2016



### Legend

-  PLANNED
  -  ROAD STRUCTURES (PLANNED)
  -  CONTRACTED (EOP)
  -  COMPLETED
  -  ADDITIONAL PLANNED STRUCTURES
  -  TECHNICALLY INFEASIBLE SITES
- 

