Agenda Item: 10.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee

FROM: Martin P. Cleveland, Construction Engineer

SUBJECT: Pigeon/Jones Site 15 Outlet Repair Project

DATE: April 2, 2018

The Pigeon/Jones Site 15 Outlet Repair Project is located near Hubbard, Nebraska, as shown on the enclosed location map. The project consists of repairing two rock weirs in the principal spillway outlet channel of the Pigeon/Jones Site 15 Dam Site, also known as Danish Alps Recreation Area. The stream bed is eroding, because of rock weirs not operating as designed due to weirs not trapping silt and stabilizing the channel. The weirs will be rebuilt as depicted in attached drawings. Grout will be added to rebuilt weirs to block openings in rock riprap and allow for sediment accumulation upstream of the weirs.

On March 16, 2018, the District opened bids for the Pigeon/Jones Site 15 Outlet Repair Project. The 2 bids ranged from $37,391 to 30,436.80. The apparent low bid of $30,436.80 was submitted by Detlefson Construction LLC. Enclosed is a bid summary.

The Engineer’s estimate of the cost of the Pigeon/Jones Site 15 Outlet Repair Project is $26,925.00. A recommendation letter from the District’s consultant, Olsson Associates is enclosed.

Management recommends that the Programs, Projects and Operations Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contract with Detlefson Construction LLC in the amount of $30,436.80 for the construction of the Pigeon/Jones Site 15 Outlet Repair Project, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.
## Pigeon/Jones Site 15 Outlet Channel Repair Project - Bid Summary

**Bid Opening:** March 16, 2018 at 10:00 a.m.

<table>
<thead>
<tr>
<th>Bid Item No.</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Niewohner Construction, Inc.</th>
<th>Detlefsen Construction, LLC</th>
<th>Engineer's Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mobilization and Construction Staffing</td>
<td>LS</td>
<td>1</td>
<td>4,000</td>
<td>1,000</td>
<td>10,000</td>
</tr>
<tr>
<td>2.</td>
<td>General Clearing and Grubbing</td>
<td>LS</td>
<td>1</td>
<td>1,000</td>
<td>1,000</td>
<td>2,000</td>
</tr>
<tr>
<td>3.</td>
<td>Excavation</td>
<td>CY</td>
<td>45</td>
<td>20</td>
<td>50</td>
<td>10</td>
</tr>
<tr>
<td>4.</td>
<td>Riprap Type B</td>
<td>TON</td>
<td>52</td>
<td>125</td>
<td>75</td>
<td>60</td>
</tr>
<tr>
<td>5.</td>
<td>Riprap Type C *</td>
<td>TON</td>
<td>93</td>
<td>125</td>
<td>140</td>
<td>60</td>
</tr>
<tr>
<td>6.</td>
<td>Geotextile Filter Fabric</td>
<td>SY</td>
<td>210</td>
<td>5.00</td>
<td>20</td>
<td>2</td>
</tr>
<tr>
<td>7.</td>
<td>Erosion Control Blanket</td>
<td>SY</td>
<td>352</td>
<td>8.00</td>
<td>2.15</td>
<td>2.50</td>
</tr>
<tr>
<td>8.</td>
<td>Seeding</td>
<td>AC</td>
<td>0.11</td>
<td>10,000</td>
<td>1,000</td>
<td>2,500</td>
</tr>
<tr>
<td>9.</td>
<td>Grout</td>
<td>CY</td>
<td>21</td>
<td>400</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td>$37,391.00</td>
<td>$30,436.80 *</td>
<td>$26,925.00</td>
</tr>
</tbody>
</table>

### MANAGEMENT RECOMMENDATION *

11018 File 505 PJ15 Bid Summary Outlet Repair
March 23, 2018

Papio-Missouri River NRD
Attn: Mr. Martin Cleveland, P.E.
8901 S. 154th Street.
Omaha, Nebraska 68138-3621

Re: Pigeon/Jones Site 15 Outlet Channel Repair
    Dakota County, Nebraska
    Letter of Recommendation of Award
    OA Project No. 017-1529

Dear Mr. Cleveland:

On March 1, 2018 bids were mailed to five (5) contractors for the above referenced project, on Friday March 16, 2018 bids were received and opened. This letter is prepared to summarize the bids received and provide our recommendation for making an award on the project.

A total of two (2) bids were submitted for the project as follows:

<table>
<thead>
<tr>
<th>Bidder</th>
<th>Lump Sum Base Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detlefsen Construction</td>
<td>$30,436.80</td>
</tr>
<tr>
<td>Niewohner Construction</td>
<td>$37,391.00</td>
</tr>
</tbody>
</table>

The engineer’s opinion of probable costs for the project was $26,925.00. The low bid in the amount of $30,436.80 was submitted by Detlefsen Construction of Laurel, NE.

Since Detlefsen Construction has been deemed a responsive and responsible bidder, it is our recommendation they should be awarded the contract in the amount of $30,436.80.

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

Sincerely,

Michael Placke, P.E.
CONSTRUCTION NOTES

1. Contractor shall work with owner and engineer if field adjustments are needed.

2. Contractor shall keep all equipment and materials within the construction limits.

3. Any area disturbed outside of the construction limits shall be re-established to pre-construction conditions at contractor's expense.

4. Contractor shall maintain scheduled access at all times to property owners adjacent to the project site.

OUTLET CHANNEL TYPICAL SECTION
(LOOKING DOWNSTREAM)