Agenda Item: 11.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee
FROM: Martin P. Cleveland, Construction Engineer
SUBJECT: Whitted Creek Refinement Project
DATE: June 30, 2016

The Whitted Creek Refinement Project is located in Sarpy County, Nebraska, southeast of 25th Street and Capehart Rd, as shown on the enclosed location map. The Whitted Creek Project between 25th Street and Papio Creek Confluence was rehabilitated in 2009 and utilized bioengineering and installation of 14 cross vane structures with about 2 ft. of vertical drop per location to slowly transition the grade of the previously severely degraded streambed in order to protect the integrity of the Whitted Creek Levee located adjacent to the creek. As a result of high water events and creek erosion since 2009, there is a need to repair 3 locations. The Refinement Project consists of replacing 120 linear feet of eroded soil riprap and repairing two cross vanes that have deteriorated due to erosion.

On June 30 2016, the District opened bids for the Whitted Creek Refinement Project. The two bids ranged from $70,331.33 to $85,110. The apparent low bid of $70,331.33 was submitted by Valley Corporation, Inc. Enclosed is a bid summary.

The Engineer’s cost estimate for the Whitted Creek Refinement Project, prepared by CH2M Engineering, is $43,530.64. Enclosed is the engineer’s bid recommendation letter.

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 Valley Corporation, Inc. for the amount of $70,331.33 for the construction of the Whitted Creek Refinement Project.

Whitted creek refinement project – PPO memo June 2016 file 529
## Summary of Bid Proposals

**Project:** Whitted Creek Refinement Project  
**Opening Date:** June 30, 2016  
**NRD Project No.** 529  
**Opening Time:** 10:00 a.m.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Estimated Quantity</th>
<th>Unit</th>
<th><strong>Niewohner Construction</strong></th>
<th><strong>Valley Corp.</strong></th>
<th><strong>Engineer’s Estimate</strong></th>
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<tr>
<td>1</td>
<td>MOBILIZATION/DEMOBILIZATION, BONDS, AND INSURANCE</td>
<td>1</td>
<td>LS</td>
<td>12000</td>
<td>6998.58</td>
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<td>2</td>
<td>STREAM FLOW TEMPORARY BY-PASS PUMPING AND DEWATERING</td>
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<td>3</td>
<td>CONSTRUCT GROUTED TYPE C RIP-RAP (CROSS VANE INFILL)</td>
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<td>CONSTRUCT SOIL RIP-RAP (TYPE B)</td>
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<td>6</td>
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<td>18.00</td>
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<td>7</td>
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<td>SY</td>
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**TOTAL** | 85,110                           | 70,331.33           | 43,530.64

**Management Recommendation:** Valley Corporation

MC: pb file 529 Reach 8-22
July 6, 2016

Mr. Martin Cleveland
Construction Engineer
Papio-Missouri River Natural Resources District
8901 South 154th Street
Omaha, Nebraska 68138

Subject: Whitted Creek Refinement Project – Bid Proposal Recommendation

Dear Mr. Cleveland:

The two bid proposals received from Niewohner and Valley Corporation associated with the Whitted Creek Refinement Project were both greater than the Engineers estimate of $43,531 (Niewohner Construction - $85,110; Valley Corporation - $70,331). The disparity in the bid proposals compared to the engineer’s estimate appear to be associated to several factors including the small scale of the project, elevated risk of doing work in a perennial stream and controlling flows, and the current construction market. These factors exist when estimating costs for any project, however can be magnified with smaller construction projects.

Upon review of the bid proposals and discussions with local contractors it is my recommendation that Valley Corporation be awarded the Whitted Creek Refinement Project. This recommendation is based upon on the fact that the proposed project includes maintenance and repair along previously restored Whitted Creek in which the NRD has invested time and money to stabilize, and timely repair of these proposed areas, along with monitoring of the creek, can prevent more costly repairs in the future. It is acknowledged that the project could be delayed to potentially save costs, however given the current construction market, scale of the project, and risk associated with doing stream work the proposed bids appear to be fair market value.

We at CH2M are excited about the opportunity to continue to contribute to the Whitted Creek Project. Should you have questions regarding the details of our recommendation, please do not hesitate to contact me at 402-609-7538 or Emily Holtzclaw at 402-609-7510.

Sincerely,

Nick Sutko, P.E.

Attachment – Summary of Bid Proposals