COON CREEK WATERSHED DISTRICT
Request for Board Action

MEETING DATE: July 22, 2019
AGENDA NUMBER: 8
ITEM: Request to Seek Quotes-Ditch 57 Andover Blvd Bank Stab

FISCAL IMPACT: $56,000
POLICY IMPACT: Policy

REQUEST
Authorize staff to seek quotes for project

BACKGROUND
In 2014 Staff completed a routine inspection of Ditch 57. Approximately 400 linear feet of severe erosion was identified along a steep outside bend of Ditch 57 near the intersection of Andover Blvd and Jackson St. The inspection determined that the erosion was significant but appeared to be occurring gradually over time. The bank was surveyed and photographed to monitor the rate of erosion. The site was added to the Districts list of potential bank stabilization projects.

As part of the Comprehensive and Capital Improvement planning process, the Ditch 57 Andover Blvd Bank Stabilization project was prioritized and budgeted $56,000 for work in 2019 as part of the District Bank Stabilization Program.

On September 10, 2018 the Board approved the 2019 budget including $56,000 for the Ditch 57 Andover Blvd Bank Stabilization project.

In January 2019 Staff contacted the property owner of 927 Andover Blvd to discuss the bank stabilization project and obtain permission to survey the site for a detailed design.

In February 2019 Staff surveyed the site to determine current conditions for design. The survey found that the bank erosion had extended an additional 350 linear feet upstream since the previous inspection in 2014.

On April 9, 2019 Wenck provided a preliminary design and engineers estimate for a class II riprap design.

In June and July 2019 Staff communicated with the property owner to review the project and finalize the design.

ISSUES/CONCERNS
Need to seek quotes: The District follows the uniform municipal contracting law which requires obtaining two or more quotes for projects estimated between $25,000 and $175,000.
Project budget: $56,000

Engineers estimate: $62,082. The estimate utilizes higher than expected costs and includes a 10% contingency. The estimate is over budget due to an additional 350 linear feet of erosion that has occurred onsite since the initial inspection which the budget was prepared for. The $6,082 difference can be accommodated due to other 2019 bank stabilizations being completed sufficiently under budget.

Failure: The eroded bank is located along an approximately 25-foot-wide earthen berm that separates Ditch 57 (Coon Creek) and a large pond. The erosion exists along a long gradual outside bend of Ditch 57 where water flow has, and continues to, gradually erode the bank toe over time. Additionally, trees routinely fall into the channel which obstruct and divert flow accelerating the rate of erosion. If left unattended the toe will eventually erode to a point where the berm will wash out.

Water quality: The existing gradual erosion is contributing approximately 150 tons TSS/yr and 60 lbs TP/yr (NRCS estimation method). 750 linear feet, 10 feet high, 0.4 feet/year recession rate, 100 pcf density. An in-channel floating silt curtain will be installed during construction to prevent construction material from drifting downstream.

High water: Water levels in Coon Creek were high in the spring delaying the project timeline. Water levels have returned to normal allowing the property owner and contractors to review the project site.

Properties: There is 1 affected property for this project. A cooperators agreement will be executed prior to issuing a notice to proceed.

RECOMMENDATION
Authorize staff to seek quotes from pre-qualified contractors
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**Engineers Estimate**

**QUOTE FORM**

Coon Creek Watershed District  
PAN 19-10 Ditch 57 @ 446+00 Bank Stabilization

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Estimated Quantity</th>
<th>Unit Price</th>
<th>Extended Amount</th>
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</table>

Subtotal                                                                 $56,438

10% Cont.                                                              $5,644

Total Quote $:                                                           $62,082

Total Quote in Words:__________________________________________________________________________

Company Name: ____________________________________________________________

Signature: ________________________________________________________________

Name Printed: ______________________________________________________________

Phone Number: _____________________________  Date:__________________________

** MN DOT spec 3601. No limestone rip rap allowed.