COON CREEK WATERSHED DISTRICT
Request for Board Action

MEETING DATE: March 10, 2014
AGENDA NUMBER: 8
ITEM: Hearing: Erlandson Park Conservation Corp of Minnesota Project

POLICY IMPACT: Policy
FISCAL IMPACT: Budgeted

REQUEST
1. Hear questions and concerns on project
2. Authorize proceeding with the project

BACKGROUND
In 2009 District staff conducted a routine inspection of Lower Coon Creek and identified moderate bank erosion throughout Erlandson Park.

In October 2013, District staff met with City of Coon Rapids staff to discuss the merits, scope and potential for a tree thinning and restoration project within Erlandson Park.

On December 13, 2013 District staff applied for a Conservation Corps Clean Water Fund grant to conduct a tree thinning and bank stabilization project within Erlandson Park.

On January 28, 2014, the District was awarded a Conservation Corps Clean Water Funds Legacy Amendment grant for Conservation Corps Minnesota crew time.

On February 4, 2014 District staff met with City of Coon Rapids staff to discuss the merits, scope and details of the project.

At the February 10, 2014 meeting the Board reviewed a summary of projects commencing in 2014.

On February 14, 2014 District staff conducted a site visit with City of Coon Rapids staff and Conservation Corps Minnesota staff to discuss the details of the project.

PROBLEM
Mature trees have, in some locations, shaded out plant growth in the understory making the underlying soils more vulnerable to erosion. As the trees mature, they can become vulnerable to wind throw or heaving because of saturated soil conditions. Fallen trees in the channel are removed as part of the District's Non-Routine Maintenance program. The damage to the stream bank as a result of heaving, increased exposure to turbulent flows and/or water erosion from rainfall and overland flow can create or catalyze streambank problems which may extend 10s to 100s of feet along the stream or ditch and contribute to suspended solids to the stream.
PROJECT NEED
Securing the integrity of stream channel banks, reduction in total suspended solids, reduction in sediment accumulation downstream, reduction of property loss/damage

PROJECT SCOPE
Replacement or thinning of the forest overstory through selective cutting (70% to 90% removal) to provide sufficient penetration of sun light to the ground to favor herbaceous plant cover.

PROJECT LOCATION & NATURE OF PROJECT
Approximately 170 linear feet along Coon Creek within Erlandson park between Egret and first pedestrian bridge.

EXPECTED OUTCOMES & BENEFITS
1. Reduction of 60 ton/yr of Sediment
2. Reduction of 18 lbs/yr of phosphorus

FUNDING

<table>
<thead>
<tr>
<th>Project Expenditures</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salary &amp; Benefits</td>
<td>$1,881</td>
</tr>
<tr>
<td>Professional Services</td>
<td>7,800</td>
</tr>
<tr>
<td>Operating Expenses</td>
<td>466</td>
</tr>
<tr>
<td>Project Costs</td>
<td>5,640</td>
</tr>
<tr>
<td>Capital Equipment</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$15,787</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Tax</td>
<td>11,147</td>
</tr>
<tr>
<td>Special Assessment</td>
<td></td>
</tr>
<tr>
<td>Fees/Escrows</td>
<td></td>
</tr>
<tr>
<td>Grants</td>
<td>4,640</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$15,787</strong></td>
</tr>
</tbody>
</table>

PUBLIC NOTICE
2/5/14 Contacted Creek Side Estates Manager Paul Swartz
2/19/14 Mailed notice to neighboring residents
ISSUES/CONCERNS
The Public Hearing has the following purposes:

1) Presentation of Project

2) Explanation of the funding strategy

3) Board to hear from affected Resident Input

4) Determine whether to proceed with the project.

RECOMMENDATION
Motion to proceed with the project