Thompson Oaks River to River Greenway Segment Design Update

Mike Behan – Water Resources Specialist
Environmental Resources Department
Physical Development Division – Dakota County
Overview

- Background
- Purpose
- Design Layout
- Cost Estimate and Funding Sources
- Timeline
- Questions/Comments
Background

- Thompson Oaks Municipal Golf Course (now closed), city of West St. Paul
- City/County Joint Powers Agreement to construct River to River Greenway segment & “Water Quality Project” (Sept 2018)
Purpose

- Wetland and Creek
  - Filled with waste and debris
  - Creek placed in storm sewer
- Golf course built on top of waste
- 25% of West St. Paul’s storm drainage/watershed
Purpose (cont.)

- Contaminated Site Cleanup
  - Remove buried solid waste, grade site for Water Quality Improvements and Greenway
- Water Quality Improvements
  - Wetland restoration
  - Re-create historic creek with waterfall/outlet
  - Regional stormwater treatment system
  - MN BWSR Clean Water Fund Grant ($576k – deadline end of 2022)
- Greenway construction with boardwalk and loop/local trail connections
Design Layout

Thompson Oaks Concept Plan

Legend:
- Trail
- Neighborhood Connection
- Future Development

- Boardwalk
- Concrete Weir
- Deep Marsh
- Oak Savanna
- Swirl Separator
- Infiltration Basin
- Stream with bioengineering
- Oak Savanna
- Stream
- Oak Savanna
- High Flows
- Future Roundabout
- Low Flows
- Dredge accumulated sediment

Attachment: Project Layout
BWSR Grant Awarded for Water Quality – 12/31/2022 Deadline

City attempts at DEED funding for Contaminated Site Cleanup ($1.5M request) unsuccessful

Trail costs now identified with loop and boardwalk opportunities, providing connections to Greenway, Library, and ongoing development projects
Cost Estimate & Funding (cont.)

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>BWSR Clean Water Fund</td>
<td>$576,448</td>
</tr>
<tr>
<td>City of WSP Storm Utility</td>
<td>$676,075</td>
</tr>
<tr>
<td>Dakota County Environment/ARP</td>
<td>$4,143,625</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$5,396,148</strong></td>
</tr>
</tbody>
</table>
Timeline

- Revised City/County Project JPA – February 2022
- Project Bidding – March/April 2022
- Construction (3 months) TBD Fall 2022
Questions?