

MINUTES

February 11, 2021

A virtual meeting of the Technical Advisory Committee (TAC) of the Shingle Creek and West Mississippi Watershed Management Commissions was called to order by Chairman Richard McCoy at 11:38 a.m., Thursday, February 11, 2021.

Present were: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Todd Tuominen, Champlin; Mark Ray, Crystal; Derek Asche, Maple Grove; Megan Hedstrom, New Hope; Ben Scharenbroich and Amy Riegel, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; Ed Matthiesen, Diane Spector, and Todd Shoemaker, Wenck/Stantec; and Judie Anderson and Amy Juntunen, JASS.

Not represented: Minneapolis and Osseo.

Also present: Melissa Collins, Brooklyn Park, and Burt Orred, Crystal.

- I. Motion by Ray, second by Asche to **approve the agenda**.* *Motion carried unanimously.*
- II. Motion by Ray, second by Hogg to **approve the minutes*** of the December 1, 2020 meeting. *Motion carried unanimously.*

[Tuominen arrived 11:46 a.m.]

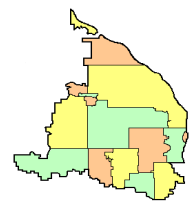
III. **Twin/Ryan Lake Subwatershed Assessment.***

Shoemaker gave a slide presentation of this proposed project. The cities of Robbinsdale and Crystal are developing/revising pumping plans to outlet areas within their cities into the Twin/Ryan Lakes chain. The City of Robbinsdale is installing a permanent emergency overflow from Crystal Lake into Ryan Lake. The City of Crystal has in place a pumping operation plan for managing the Gaulke Pond chain that receives runoff from Crystal and New Hope. That system outlets into Lower Twin Lake. Crystal is looking to make improvements to that pond system to provide more storage, alleviate flooding, and potentially revise its pump operation plan.

With both cities proposing emergency flood relief pumping to the Twin/Ryan Lake system, it seems sensible to develop a coordinated pumping plan. Because there are multiple cities involved (New Hope, Crystal, and Robbinsdale upstream and Minneapolis downstream), they have requested that this be completed as a Subwatershed Plan.

The Subwatershed Assessment Account has about \$8,800 carried over, with another \$10,000 in the 2021 Shingle Creek budget for a total of \$18,800. The slide presentation outlined a scope of work to complete this assessment in the amount of \$18,000.

Motion by Ray, second by Riegel to recommend to the Shingle Creek Commission authorization for Staff to complete a subwatershed assessment for the Twin/Ryan Lake tributary area to develop a master Gaulke Pond and Crystal Lake Pump Operating Plan. *Motion carried unanimously.*



IV. Funding Ryan Creek Improvements.* The Commission and TAC have previously discussed Robbinsdale's plan to install a permanent emergency overflow pump system from Crystal Lake to Ryan Lake. As a part of the hydrologic and hydraulic analysis modeling of potential impacts to lake levels, it was recommended that the City remove excessive cattail growth around the outlet of Ryan Lake, and in the wetland and channel between Lower Twin and Ryan Creek. The purpose was to allow for a faster flow through the system to limit periods of high water on the lakes. The City recently took public bids on this project but rejected them because they exceeded the Engineer's Estimate by a considerable amount.

The proposal to develop the Gaulke Pond and Crystal Lake Pumping Plan includes the preparation of various pumping scenarios. It also includes assessing the role of the France Avenue weir. Modifications to the weir are not off the table.

The members discussed whether a project such as cattail removal and dredging and potential modifications to the weir might qualify as a Commission project with watershed significance and thus qualify for levy funding. This is a multi-jurisdictional drainage project intended to limit downstream flooding impacts.

Does this project fall under the existing Cost Share Policy? Eligible improvements include both structural and nonstructural activities. Routine maintenance or localized improvements are not eligible for cost share. Thus, a local street flooding issue is not a watershed priority, but a local flooding issue that creates significant erosion and sedimentation impacting a downstream resource may be a watershed priority.

Is this in the same class of improvements as a stream stabilization project where the Commission will 100% fund in- and on-bank improvements similar to a lake internal load project? The Cost-Share Policy sets out criteria, including "Other Watershed Benefiting Improvements as Recommended by the TAC."

Would the TAC be willing to consider and recommend to the Commission funding a project to remove cattails and dredge channels to increase flood conveyance?

It was a consensus of the members that this project would not be of watershed-wide benefit and, thus, should not be included on the CIP. Members agreed that the dredging and cattail removal seemed more like a maintenance project that the cities routinely undertake rather than a capital project. No recommendation will be made to the Commission at this time.

V. Solicit New 2021 and 2022 CIP Projects.*

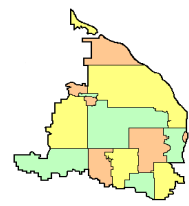
Staff is seeking potential revisions to the Commissions' 2021 and 2022 CIPs in anticipation of beginning the plan amendment process. (The Commission can move projects between years without requiring a plan amendment.)

Staff will consult with the city of Plymouth to determine if the proposed Palmer Creek Estates stream stabilization project falls into the new category of projects qualifying for 100% levy funding.

The upcoming SRP Channel Modifications at the Wetland 639W outlet should be added to the CIP as a stand-alone project.

The current CIPs for Shingle Creek and West Mississippi are shown in Tables 1 and 2 on the last pages of these minutes. They include projects that have been on the CIP for years and keep getting pushed back until such time as they are ready for implementation. Later this year the TAC and the Commissions will be embarking on the Fourth Generation Plan, including establishing a new CIP for 2023-2032.

New projects should be submitted by March 5 with the understanding that new projects proposed for levy certification in Fall 2021 should be presented in detail at the TAC's March 11 meeting, although a



full feasibility report is not required at that time. The TAC and Commission may request more detailed information about 2021 projects at the public meeting to consider a Minor Plan Amendment at the April 8, 2021 meeting. Attached to Staff's memo* is the Request to Add a Project to the CIP.* Cities with projects on the current 2021 or 2022 CIP can request they be moved or removed from the CIP at any time.

V. MS4 General Permit Reauthorization. The Minnesota Pollution Control Agency has reissued the MS4 General Permit. City staff within the SCWMC (and other area watersheds) are currently working to determine the changes to the rules and the implications they have to individual MS4 cities and the Commissions. A group of city staff members are working together to determine the best approach to meeting the rules in the most cost-effective way possible. This includes, but is not limited to, working with the West Metro Water Alliance (WMWA) on educational efforts that will focus specifically on Chlorides, Pet Waste and other topics of importance such as TMDLs, water quantity and excessive nutrient control. Ordinance templates are also being developed. The members will continue to discuss the MS4 General Permit in the next 12-18 months to ensure city staff have the resources they need in order to be in compliance with the permit going forward.

VI. Other Business.

A. Robbinsdale Project. McCoy shared the most recent site photo of the Water Treatment Plant construction site. Work has been curtailed recently due to the cold temperatures.

B. Next meeting – 11:30 a.m., Thursday, March 11, 2021, prior to the regular meeting. This will be a virtual meeting.

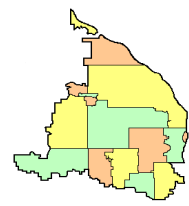
There being no further business, the meeting was adjourned at 12:28 p.m.

Respectfully submitted,

A handwritten signature in black ink that reads "Judie A. Anderson".

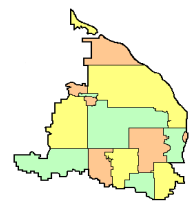
Judie A. Anderson
Recording Secretary
JAA:tim

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Current Shingle Creek CIP

CAPITAL IMPROVEMENT PROGRAM	2020	2021	2022	Comments
<i>Cost Share Program</i>	200,000	200,000	200,000	
Commission Contribution	100,000	100,000	100,000	
Local Contribution	100,000	100,000	100,000	
<i>Partnership Cost-Share BMP Projects</i>	100,000	100,000	100,000	
Commission Contribution	50,000	50,000	50,000	
Local Contribution	50,000	50,000	50,000	
<i>Lake Internal Load Improvement Project</i>	200,000		200,000	Meadow Lake Mgmt Plan
Commission Contribution	200,000		200,000	
Local Contribution	0		0	
<i>Shingle Creek Restoration, Regent to Brooklyn Blvd</i>	400,000			Connections II project
Commission Contribution	400,000			
Local Contribution	0			
<i>Plymouth Enhanced Street Sweeper</i>	350,000			Added by MPA
Commission Contribution	75,000			
Local Contribution	275,000			
<i>Shingle Creek or Bass Creek Restoration Project</i>	500,000			Bass Creek Project
Commission Contribution	500,000			
Local Contribution	0			
<i>Maple Grove Pond P57</i>		648,000		Moved to future
Commission Contribution		162,000		
Local Contribution		486,000		
<i>Maple Grove Pond P33</i>		574,000		Moved to future
Commission Contribution		143,500		
Local Contribution		430,500		
<i>Shingle Creek Brookdale Park Habitat Enhancement</i>		150,000		Nothing pending
Commission Contribution		150,000		
Local Contribution		0		
<i>Minneapolis Webber Park Stream Restoration</i>		500,000		Nothing pending
Commission Contribution		500,000		
Local Contribution		0		
<i>Minneapolis Flood Area 5 Water Quality Projects</i>		6,000,000		Nothing pending
Commission Contribution		250,000		
Local Contribution		5,750,000		
<i>Maple Grove Pond P55</i>		855,000		Moved to future
Commission Contribution		213,800		
Local Contribution		641,200		
<i>Palmer Creek Estates Bass Creek Restoration</i>		450,000		Added by MPA
Commission Contribution		112,500		Review for 100%
Local Contribution		337,500		
TOTAL PROJECT COST	\$1,750,000	\$9,477,000	\$500,000	
TOTAL COMMISSION SHARE	\$1,325,000	\$1,681,800	\$350,000	
TOTAL CITY SHARE	\$425,000	\$7,795,200	\$150,000	



Current West Mississippi CIP

CAPITAL IMPROVEMENT PROGRAM	2020	2021	2022	Comments
<i>Cost Share Program</i>	100,000	100,000	100,000	
Commission Contribution	50,000	50,000	50,000	
Local Contribution	50,000	50,000	50,000	
<i>River Park Stormwater Improvements</i>	485,000			Added by MPA 9/19
Commission Contribution	121,250			
Local Contribution	363,750			
<i>Mississippi Crossings Phase B Infiltration Vault</i>	400,000			Moved per Todd
Commission Contribution	100,000			
Local Contribution	300,000			
<i>Champlin Woods Trail Rain Gardens</i>		180,000		Moved per Todd
Commission Contribution		45,000		
Local Contribution		135,000		
<i>Wetland Restoration Project</i>		250,000		Moved, nothing pending
Commission Contribution		62,500		
Local Contribution		187,500		
TOTAL PROJECT COST	985,000	530,000	100,000	
TOTAL COMMISSION SHARE	271,250	157,500	50,000	
TOTAL CITY SHARE	713,750	372,500	50,000	