

**MINUTES**  
May 13, 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 11:32 a.m., Thursday, May 13, 2021.

Present were: Andrew Hogg, Brooklyn Center; Mitch Robinson, Brooklyn Park; Mark Ray, Crystal; Derek Asche, Maple Grove; Liz Stout, Minneapolis; Megan Hedstrom, New Hope; Ben Scharenbroich and Amy Riegel, Plymouth; Richard McCoy and Marta Roser, Robbinsdale; Ed Matthiesen and Diane Spector, Wenck/Stantec; and Judie Anderson and Amy Juntunen, JASS. Not represented: Champlin and Osseo.

Also present: Burt Orred, Crystal.

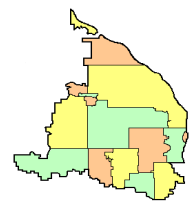
- I. Motion by Ray, second by Riegel to **approve the agenda**. \* *Motion carried unanimously.*
- II. Motion by Ray, second by Hogg to **approve the minutes**\* of the April 8, 2021 meeting. *Motion carried unanimously.*
- III. **Draft 2021 CIP**. \* Based on the proposed Minor Plan Amendment, the following is the draft 2021 CIP for further consideration. Cities with projects on the CIP should be prepared to submit a feasibility overview at the July TAC meeting so the Commissions can review in August and call for a public hearing on the projects. (The 2020 Shingle Creek levy was \$1,405,165 and the West Mississippi levy was \$287,660.)

**Table 1. Shingle Creek 2021 CIP Projects (2022 levy).**

Project	Total Est. Cost	City/Private	Grant	Commission Share	Total Levy Amount
Cost share (city projects)	\$200,000	\$100,000	0	\$100,000	\$106,050
Partnership cost share (private projects)	50,000	0	0	50,000	53,025
Palmer Lake Estates Bass Creek Restoration	600,000	0	0	600,000	636,300
Phase 2 SRP Channel Extension	125,000	0	0	125,000	132,565
<b>Subtotal</b>	<b>\$975,000</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$875,000</b>	
<b>5% additional for legal/admin costs</b>				<b>43,750</b>	
<b>Subtotal</b>				<b>918,750</b>	
<b>TOTAL LEVY (101% for uncollectable)</b>				<b>\$927,940</b>	<b>\$927,940</b>

**Table 2. West Mississippi 2021 CIP Projects (2022 levy).**

Project	Total Estimated	City/Private	Grant	Commission Share	Total Levy Amount
Cost share (city projects)	\$100,000	\$50,000	0	\$50,000	\$53,025
Partnership Cost Share	100,000	0	0	100,000	106,050
<b>Subtotal</b>	<b>\$150,000</b>	<b>\$50,000</b>	<b>\$ 0</b>	<b>\$150,000</b>	
<b>5% additional for legal/admin costs</b>				<b>7,500</b>	
<b>Subtotal</b>				<b>157,500</b>	
<b>TOTAL LEVY (101% for uncollectable)</b>				<b>\$159,075</b>	<b>\$159,075</b>



The members also discussed inclusion in the CIP policy of repairs to “older” projects. This will be a discussion at a future TAC meeting.

*[Asche arrived 11:54 a.m.]*

#### **IV. Becker Park Infiltration Project – 2020 Performance.**

Included in the meeting packet was a copy of Wenck-Stantec’s May 4, 2021 memo\* to the City of Crystal. The purpose of this memo is to provide figures and summarize the water level monitoring data that was collected at Becker Park within the underground infiltration system during the summer of 2020.

Water level loggers were installed at two locations within the system, upstream and downstream of each weir structure, and in two monitoring wells. The loggers recorded data at 15-minute intervals. An overview of system performance showed:

- Rain event intensity and duration will affect the system’s response.
- Runoff reaches system quickly after the beginning of a rain event
- System infiltrates at a higher rate at the beginning of events when it is empty
- System has handled back-to-back events and is able to infiltrate water quickly
- Localized groundwater mounding occurs at PZ-1; no measurements collected in 2020 are concerning for adjacent properties.

The Becker Park system was designed to maximize the available footprint within the park, and the resulting water quality volume of the system corresponds to approximately 0.73 inches of runoff from the contributing watershed.

The memo includes figures showing water level logger data from five events over the course of 2020. Each event is presented as its own figure, and observations from each event are noted. All referenced precipitation amounts were recorded at the Crystal Municipal Airport and were retrieved from the Midwestern Regional Climate Center’s online cli-MATE web application.

The results show that the system is receiving stormwater from the contributing area as expected.

#### **V. Updates.**

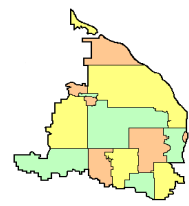
**A. HUC 8 Model.** Matthiesen gave a verbal update. The DNR has the models and documents and is reviewing at their schedule. We expect to hear from the DNR in June.

**B. Ryan Lake SWA.** Matthiesen reported that model runs have been completed and the report is being written. An information coordination meeting is being schedule for the week of May 24th with the DNR although a state permit is not required. Modeling indicates earlier pumping from the Crystal and Robbinsdale ponds to Twin Lake and Ryan Creek results in the best outcome to take advantage of flood storage timing.

**C. Crystal Lake Management Plan.** An action item at the regular meeting that follows this meeting is to approve a contract with WSB for carp management. Their work will begin the first week of June. Crystal Lake will be monitored for water quality this year as well.

**D. Bass Lake Curlyleaf Pondweed Treatment** will occur between May 10 and May 30 upon approval at the regular meeting of the Limnopro contract to perform the service. Three separate areas of the lake are recommended for treatment.

**E. Meadow Lake Alum Treatment.** Have been in contact with the DNR who are reviewing our plans and their effects on wildlife.



F. Grants have been executed for the **Connections II** and **Meadow Lake** stream restoration projects.

G. **639W Channel Modification to Enhance SRP Removal.** The grant has been executed and Wenck is preparing a scope of work for the City of Crystal. MAC wants to renegotiate the lease agreement with Crystal and Brooklyn Center. It was advised at the TAC meeting that the lease negotiation should proceed on a separate schedule from the SRP project.

**VI. Other Business.**

A. Scharenbroich announced that the City of Plymouth is creating a **street sweeping video** this morning.

B. **Robbinsdale Project.** McCoy shared the most recent photo of the Water Treatment Plant construction site.

C. It was suggested that Todd Shoemaker from Wenck-Stantec be invited to the next TAC meeting to discuss the **Ryan Lake subwatershed hydrology results.**

D. **Next meeting** – 11:30 a.m., Thursday, June 10, 2021, prior to the regular meeting. This will be a virtual meeting.

There being no further business, the meeting was adjourned at 12:14 p.m.

Respectfully submitted,

Judie A. Anderson  
Recording Secretary  
JAA:tim

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