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July 3, 2024

Commissioners **and**
 Technical Advisory Committee Members
 Shingle Creek and West Mississippi
 Watershed Management Commissions
 Hennepin County, Minnesota

*The agenda and meeting packets are available on
 the Commission's web site.*
<http://www.shinglecreek.org/minutes--meeting-packets.html> **and**
<http://www.shinglecreek.org/tac-meetings.html>

Dear Commissioners and Members:

Regular meetings of the Shingle Creek and West Mississippi Watershed Management Commissions will be held Thursday, July 11, 2024, at Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN. Lunch will be served at 12:00 noon and the meetings will convene concurrently at 12:45. This month we will meet in the **Aspen Room** on the main level.

The Technical Advisory Committee (TAC) will meet at 10:30 a.m., prior to the regular meeting.

Please make your meal choice from the items below and email me at judie@jass.biz to confirm your attendance and your meal selection by **noon, Tuesday, July 9, 2024.**

Thank you.

Thank you.

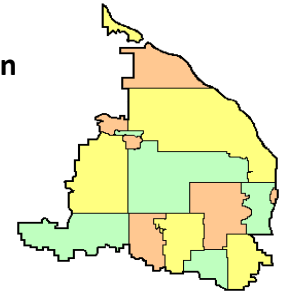
Judie A. Anderson
 Administrator
 JAA:tim

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cc: Alternate Commissioners Member Cites Troy Gilchrist TAC Members
 Stantec Consulting Services BWSR MPCA HCEE

Order your deli sandwich box lunch. Sandwiches come with lettuce, tomato and mayo. As an alternative you may specify your sandwich with **wheat bread or as an **unwich** (lettuce wrapped).**

- 1** Pepe – Ham and cheese
- 2** Big John – Roast beef
- 3** Totally Tuna – Tuna salad and cucumber
- 4** Turkey Tom – Turkey
- 5** Vito – salami, capocollo, cheese, onion, oil and vinegar, oregano-basil (no mayo)
- 6** The Veggie – double cheese, avocado spread, cucumber
- 14** Bootlegger Club – Roast beef and turkey



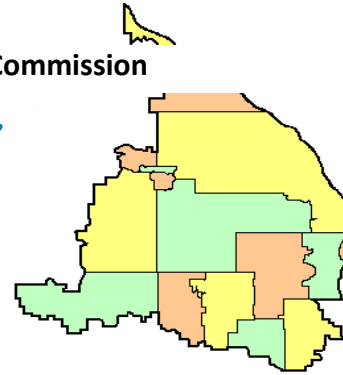
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A combined regular meeting of the Shingle Creek (SC) and West Mississippi (WM) Watershed Management Commissions will be convened Thursday, July 11, 2024, at 12:45 p.m. Agenda items are available at <http://www.shinglecreek.org/minutes--meeting-packets.html>. *Black typeface denotes SCWM items, blue denotes SC items, green denotes WM items.*

A G E N D A | July 11, 2024

- 1. **Call to Order.**
 - a. Roll Call.
 - b. Approve Agenda.*
 - c. Approve Minutes of Last Meeting.*
- 2. **Reports.**
 - a. Treasurer’s Reports and Claims** - voice votes.
- 3. **Open Forum.**
 - a. Highland Gables - presentation.
- 4. **Project Reviews.**
 - a. Blue Line LRT Supplemental EIS Review.**
- 5. **Joint Powers Agreements.***
 - a. Companion Doc.**
- 6. **Water Quality.**
 - a. Work Order – Brookdale Park.*
 - b. Work Order – Shingle Creek Regional Park.*
- 7. **Grant Opportunities.**
 - a. Clean Water Fund Grant Application.*
- 8. **Education and Public Outreach.**
 - a. WMWA – Update.
 - b. Next WMWA meeting – via zoom. 8:30 a.m., August 13, 2024.
- 9. **Communications.**
 - a. Communications Log.*
 - b. Staff Report.*
- 10. **Other Business.**
- 11. **Adjournment.**

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* In meeting packet or emailed ** Supplemental email / Available at meeting
Previously transmitted * Available on website ✓ Item requires action



REGULAR MEETING MINUTES

June 13, 2024

(Action by the SCWMC appears in blue, by the WMWMC in green and shared information in black.)

*indicates items included in the meeting packet.)

I. A joint meeting of the Shingle Creek Watershed Management Commission and the West Mississippi Watershed Management Commission was called to order by Shingle Creek Chair Andy Polzin at 12:47 p.m. on Thursday, June 13, 2024, at Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN.

Present for Shingle Creek: Burt Orred, Jr., Crystal; Karen Jaeger, Maple Grove; Ray Schoch, Minneapolis; Bill Wills, New Hope; John Roach, Osseo; Andy Polzin, Plymouth; and Wayne Sicora, Robbinsdale. Not represented: Brooklyn Center and Brooklyn Park.

Present for West Mississippi: Gerry Butcher, Champlin; Karen Jaeger, Maple Grove; and John Roach, Osseo. Not represented: Brooklyn Center and Brooklyn Park.

Also present were: Ahmed Omer, Brooklyn Center; Mitch Robinson, Brooklyn Park; Randy Bergstrom and Jesse Struve, Crystal; Derek Asche, Maple Grove; Nico Cantarero, Minneapolis; Nick Macklem, New Hope; Amy Riegel and Talori Dunsworth, Plymouth; Richard McCoy and Wendy Scherer, Robbinsdale; Todd Shoemaker and Katie Kemmitt, Stantec; Troy Gilchrist, Town Law Center; Amy Juntunen, JASS; Mike Sorensen, Minneapolis Park and Recreation Board; and Katie Hembre, University of Minnesota.

II. AGENDAS AND MINUTES.

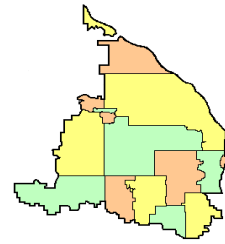
Motion by Schoch, second by Jaeger to approve the **Shingle Creek agenda** with the addition of **item 5.c. Accept 2023 Audit.** * *Motion carried unanimously.*

Motion by Butcher, second by Roach to approve the **West Mississippi agenda** with the addition of **item 5.c. Accept 2023 Audit.** * *Motion carried unanimously.*

Motion by Schoch, second by Jaeger to approve the **minutes*** of the May 9, 2024, regular meeting. *Motion carried unanimously.*

Motion by Roach, second by Butcher to approve the **minutes*** of the May 9, 2024, regular meeting. *Motion carried unanimously.*

III. FINANCES AND REPORTS.



A. Motion by Schoch, second by Jaeger to approve the Shingle Creek **June Treasurer's Report* and claims** totaling \$57,928.83. Voting aye: Orred, Jaeger, Schoch, Wills, Roach, Polzin, and Sicora; voting nay: none; absent: Brooklyn Center and Brooklyn Park.

B. Motion by Butcher, second by Roach to approve the **West Mississippi June Treasurer's Report* and claims** totaling \$21,992.16. Voting aye: Butcher, Jaeger, and Roach; voting nay: none; absent: Brooklyn Center and Brooklyn Park.

IV. OPEN FORUM.

A. **Katie Hembre**, University of Minnesota, Fisheries, Wildlife & Conservation Biology, presented **Native and Invasive Aquatic Plant Response to Alum Treatments: Bass Lake.** She presented her Master's research on the impact of lake alum treatments on aquatic vegetation communities. Results showed that many lakes experience an increase in vegetation abundance, including both native and invasive species, following alum treatments. Bass Lake exhibited this trend, as well as significantly decreased phosphorus and increased Secchi depth following alum treatments in 2019 and 2020.

B. On May 24, 2024, the Commissions received notification from **Kennedy & Graven** that Troy Gilchrist will leave their employ effective June 7, 2024, to enter into private practice to focus on smaller communities and watershed organizations such as Shingle Creek and West Mississippi. The Commissions can choose to remain with Kennedy & Graven, with David Anderson and Sam Ketchum serving as their attorneys; continue to have Gilchrist provide them with legal representation through his new firm Town Law Center, PLLP; or retain another law firm for legal representation.

The Commissions will also be required to go out for bids for service providers in December 2024.

It was a consensus that the Commissions should remain with Gilchrist through the JPA revision process. Gilchrist indicated his rates would remain the same as they were with K&G. He is projecting 7-10 years before retirement.

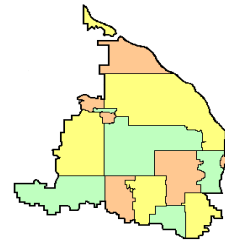
Motion by Sicora, second by Schoch to continue working with Gilchrist starting today, and until such time as the Commission may make an alternative choice, and approving payment for today's work. *Motion carried unanimously.*

Motion by Butcher, second by Roach to approve the action stated above. *Motion carried unanimously.*

V. OLD BUSINESS.

VI. PROJECT REVIEW.

SC2024-02 Maple Grove Community Center,* 12951 Weaver Lake Road. Improvements to the Community Center including arena expansion, playground, sport court, and parking lot. The proposed project area covers 15.15 acres of the 21.51-acre site (two adjacent parcels). Following development, the project area will be 81 percent impervious with 12.3 acres of impervious surface, an increase of 2.4 acres. The complete project application was received on May 31, 2024.



Commission rules require the site to infiltrate 1.1 inches of runoff from new impervious and reconstructed impervious area within 48 hours. The new and reconstructed impervious area on this site is 11.00 acres, requiring infiltration of 1.0 acre-feet within 48 hours. The applicant proposes to defer providing volume control as part of a future City project downstream of the Community Center project site. The City intends the future project will provide volume control for the Community Center project and a future City street reconstruction project.

To comply with the Commission’s water quality treatment requirement, the site must provide treatment so there is no net increase in TP or TSS from pre- to post-development land cover. Runoff from the site is proposed to be routed to Regional Ponds SC-P45 and SC-P51. The applicant meets Commission water quality treatment requirements.

Commission rules require that site runoff is limited to predevelopment rates for the 2-, 10-, and 100-year, 24-hour, and 100-year, 10-day critical storm event. Runoff from the site is proposed to be routed to Regional Ponds SC-P45 and SC-P51. The applicant meets Commission rate control requirements.

The erosion control plan includes a rock construction entrance, perimeter silt fence/biolog, silt fence surrounding detention ponds/infiltration basins, inlet protection, rip rap at inlets, slope checks, and native seed specified on the pond slopes. The erosion control plan meets Commission requirements.

The National Wetlands Inventory does not identify any wetlands on site and there are no Public Waters on this site. The applicant meets Commission wetland and Public Waters requirements.

There is no FEMA-regulated floodplain on this site. The low floor elevations of the buildings are at least two feet higher than an on-site pond and underground storage system, which are both proposed to meet City pipe capacity limitations, not Commission standards. The applicant meets Commission floodplain requirements.

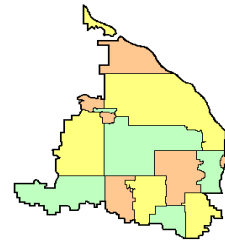
The site is not located in a Drinking Water Source Management Area (DWSMA). The applicant meets Commission drinking water protection requirements.

The City Planning Commission considered the project at their June 10, 2024, meeting and the City Council will consider this project at their June 17, 2024, meeting, each meeting satisfying Commission public notice requirements.

An Operations & Maintenance (O&M) agreement is not required.

Motion by Schoch, second by Jaeger to advise the City of Maple Grove that project SC2024-02 is approved subject to the following conditions:

1. Specify species included in “Native Seed Mix Type A” and “Native Seed Mix Type B”. Both are specified on Sheet L-101, but the species within each are not specified in the landscape plans.
2. Submit a plan by December 31, 2024, that identifies how volume control consistent with the watershed rules will be provided. The plan shall include the location, approximate footprint, supporting soils/geotechnical documentation, and total volume control anticipated. Construction of the required volume control shall be completed by July 1, 2028.



Motion carried unanimously.

VII. 2025 OPERATING BUDGETS.

Staff's June 6, 2024, memos* duplicate the budgets proposed in May except for the Education budget where the WMWA assessment has been increased in both Commissions from \$11,500 to \$17,000. Member assessments remained at \$372,00 and \$160,000 and Operating Expenses at \$407,000 and \$203,950 for Shingle Creek and West Mississippi, respectively.

At their meeting preceding this meeting, the Technical Advisory Committee (TAC) approved the budgets as presented and also recommended that the Commissions consider a policy for future use of interest income. Discussion centered on whether interest income should be used to lower member assessments.

It was also noted that Staff are preparing a memo to accompany the budgets which will explain in more detail the impact of the recent boundary changes to the member assessments.

Motion by Schoch, second by Sicora to accept the Shingle Creek budget and member assessments as proposed. Motion carried unanimously.

Motion by Butcher, second by Roach to accept the West Mississippi budget and member assessments as proposed. Motion carried unanimously.

VIII. 2023 FINANCIAL AUDITS.*

Motion by Wills, second by Jaeger to accept the Shingle Creek 2023 Audit as presented. Motion carried unanimously.

Motion by Butcher, second by Roach to accept the West Mississippi 2023 Audit as presented. Motion carried unanimously.

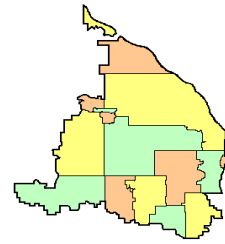
The audit reports must be received by the State Auditor by June 30, 2024.

IX. 2024-2025 CIP.

A. The Commissions each revised their Capital Improvement Program (CIP) as part of the Fourth Generation Watershed Management Plan. The CIP typically is reviewed each year and amended as necessary to add, delete, or amend projects as opportunities arise, priorities change, or costs are re-evaluated. The TAC and Commissions solicited the cities for potential revisions to the CIP earlier this year. No new projects are proposed to be added to the CIP, so there is no need to undertake a Minor Plan Amendment this year.

However, Staff recommends some minor modifications to the Shingle Creek CIP that can be adopted as simple housekeeping changes with no plan amendment necessary. The changes are highlighted in Table 1 of Staff's June 6, 2024, memo* and described below:

1. Bass Creek Restoration. Staff walked the stream along with City staff and all agreed that the stabilization work is less extensive than originally thought. It was agreed to modify the project budget from \$500,000 \$300,000 and reschedule the project to 2025 for construction in 2026.



2. Minneapolis Shingle Creek. Staff have been meeting with Minneapolis Park Board staff about this upcoming work in Minneapolis. MPRB is interested in partnering but is in the very early planning stages. They are comfortable rescheduling that project to 2025.

3. Brookdale Park. Staff continue to work with Brooklyn Park and Three Rivers Park District on next steps for the remainder project. The project cost and funding are still under development. Staff recommends proceeding with a levy in 2024 to match the amount levied in 2023, but to add a placeholder of \$200,000 in 2025 that is reallocated from the Bass Creek project. This would be revenue-neutral and would preserve some funding flexibility as project development proceeds.

4. There are no proposed changes to the West Mississippi CIP.

The proposed changes do not require a plan amendment, nor do they result in any changes in bottom line overall Commission contributions. If there are no additional changes to the CIPs, the Commissions will proceed as shown in Tables 1 and 2 of the memo.

Motion by Schoch, second by Sicora to approve the modifications to the CIP. *Motion carried unanimously.*

B. Set Maximum Levies.

Motion by Schoch, second by Sicora to set Shingle Creek's maximum 2024 levy, pay 2025, at \$1,299,113. *Motion carried unanimously.*

Motion by Roach, second by Butcher to set West Mississippi maximum 2024 levy, pay 2025, at \$159,075. *Motion carried unanimously.*

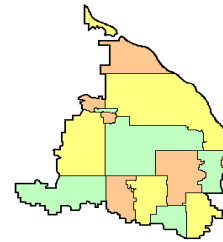
X. JOINT POWERS AGREEMENT.

Since the discussion on the draft joint powers agreement (JPA) at the May meeting, Gilchrist has received and reviewed comments from Maple Grove, Plymouth, and Minneapolis, responding to each comment in a chart that was the focus of the work session held on May 21, 2024. Discussion at that meeting resulted in direction for further amendments to the draft JPA.

Included in the meeting packet is an updated version of the Shingle Creek JPA as well as a redline showing all of the changes made since the version presented at the May meeting. Also included in the packet is a draft of the updated West Mississippi JPA. They are virtually identical, other than the list of member cities.

The proposed timeline is to have the Commissions review the JPAs and provide any final comments they may have. Gilchrist will make any needed edits and send the JPAs to each of the member cities for final review by city staff and, if they desire, their city attorneys. Cities will need to submit any final comments by the end of June so a final version of the JPA can be prepared and presented to the Commissions at their July meetings. The Commissions would then act at that meeting to formally forward the JPA to the cities for adoption before the end of the year.

XI. WATER QUALITY.



A. Brooklyn Center Elementary School.* The Trust for Public Land (TPL) works with schools throughout Minnesota to improve their play spaces. These improvements often integrate native plantings, enhance stormwater management on the site, and provide education opportunities for the students. TPL staff contacted Shingle Creek Commission staff in January 2024 regarding potential partnership opportunities for improvements at Brooklyn Center Elementary School.

TPL recently learned that Senator Klobuchar and Representative Omar have chosen to sponsor the Brooklyn Center Elementary Community Schoolyard project for FY25 community project funding. Their sponsorship does not guarantee funding since each office has a limit as to how much funding they can request through this process. To strengthen the likelihood that Brooklyn Center Elementary receives funding, TPL is requesting a letter of support from the Commission and Staff have provided proposed language for the letter.

Motion by Schoch, second by Jaeger to send the letter of support and to add Senator Tina Smith as an addressee. *Motion carried unanimously.*

B. Eagle Lake SWA. In 2023, the Shingle Creek Commission authorized Stantec to study Eagle and Pike Lakes and their watersheds. The goals of the Eagle Lake Subwatershed Assessment were to:

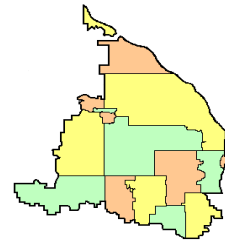
1. Identify and prioritize potential stormwater management practices to reduce phosphorus and sediment loading in the Eagle Lake subwatershed, and
2. Evaluate sediment phosphorus and aquatic vegetation within Eagle and Pike Lakes to determine appropriate in-lake treatment practices to reduce internal loading.

The two top ranked projects are an infiltration basin in Eagle Woods Park and an iron-enhanced sand retrofit and pond expansion in an existing stormwater basin at Hemlock Lane and East Fish Lake Road. Given its location in a park, City of Maple Grove staff advised that the project site in Eagle Lake Woods Park could not move forward at this time and recommended proceeding with the project site at Hemlock Lane and E. Fish Lake Road for concept design.

Upon further investigation, Staff found that the iron-enhanced sand retrofit and pond expansion at the site were infeasible due to site constraints. City subsequently advised us to investigate an infiltration-based practice that could be constructed in conjunction with a planned trail improvement project along E. Fish Lake Road. The concept design shows an infiltration trench near the intersection of E. Fish Lake Road and Jonquil Way.

Study of Eagle and Pike Lakes internal loading indicated that reducing the rate of phosphorus release from anoxic sediments is warranted. Therefore, treatment of both lakes using aluminum sulfate (alum) is planned for later in 2024.

The report * summarizes the study process, methodology, and results. At approximately \$3,500/lb. TP removed, the E. Fish Lake Road infiltration trench is not extremely economical in terms of TP removal. For this reason, Staff recommend implementation of a targeted, intensive street sweeping program in the watershed. Further study is needed to define sweeping routes, costs and potential TP removals, but a sweeping program combined with the Eagle and Pike alum treatments may allow Eagle



Lake to be delisted from the impaired waters list. The TAC recommended that the Commission accept the feasibility report and preliminary design.

Motion by Schoch, second by Jaeger to approve the TAC's recommendation. *Motion carried unanimously.*

XII. EDUCATION AND PUBLIC OUTREACH.

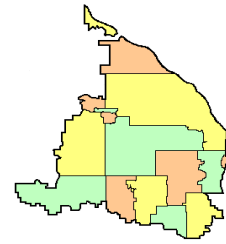
A. Grace Barcelow's June Update.*

-- What have we been working on since the May WMWA Meeting?

1. Added partners to the WMWA SharePoint site.
2. Attended Rush Creek Elementary and taught the watershed prep program in five classrooms.
3. Released media kit about Aquatic Invasive Species, with a focus on encouraging folks to sign up for Lake Pledge.
4. Published a newspaper article highlighting what efforts contributed to delisting four lakes in WMWA territory, and what new projects WMWA has underway. The column was published in seven Sun papers, plus the Osseo Maple Grove Press and Crow River News.
5. Brought Metro Blooms under contract for facilitating workshops and completing lakeshore restoration designs for residents on Fish and Eagle Lakes in Maple Grove and for engagement and BMP design services at the multi-family housing project at Southgate Apartments in Bloomington.
6. Hosted first engagement event at Southgate Apartments. Residents seemed super excited about the project and Metro Blooms staff did a fantastic job introducing the project to residents
7. Held Hennepin County Chloride Initiative (HCCI) reconvene meeting. Laura Jester hosted this reunion meeting. The next meeting is scheduled to tentatively take place end of September 2024.
8. Drafted a grant application for the Pollinator Pathways Grant through BWSR to support water quality and pollinator-friendly projects in Maple Grove and Bloomington. Applications are due June 20.

-- What work will be happening before the July WMWA meeting?

9. Continue outreach to involve middle school classrooms in Adopt-a-Drain K12 program throughout WMWA watersheds.
10. Finish developing pet waste education campaign materials. Creating a pet waste media kit with two sets of news blurbs and social media posts. One will focus on pet waste and e. coli pollution, the other will have a seasonal focus. Also creating a mailer that cities can put into mailings to help expand pet waste education.
11. We are switching up the schedule - July will focus on pet waste media, and we



plan to focus on water conservation in August (unless the rain continues – then we will switch gears to something that fits the weather).

12. Continue planning for fall 2024 workshops with Metro Blooms.
13. Continue engagement process for the Southgate Apartment project.

B. West Metro Water Alliance (WMWA) will meet via Zoom at 8:30 a.m., July 9, 2024.

XIII. STAFF REPORT.*

A. June Communications Log.* No items required action.

B. Staff Report.*

1 Highway 252/94 Update.

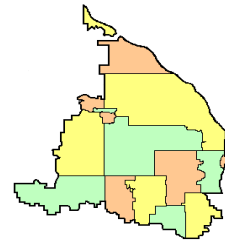
a. Notice of Intent. The Federal Highway Administration (FHWA), in coordination with the Minnesota Department of Transportation (MnDOT), recently issued and closed the Notice of Intent (NOI) process to solicit comment and advise the public, agencies, and stakeholders of the upcoming Environmental Impact Statement (EIS) for the Highway 252 (Hwy 252) corridor. The comment period opened on April 15, 2024, and closed on May 15, 2024. MnDOT received a total of 168 comments, which are attached to the staff report.

MnDOT concluded that the comments do not necessitate changing the purpose, need, and alternatives. However, the themes from the comments will inform process going forward, including public outreach and engagement; alternatives analysis and evaluation; visual, noise and environmental impacts; and mitigation strategy identification. MnDOT's stated purpose for the project is "to improve the safe and reliable movement of people and goods across multiple modes on and across Hwy 252 and I-94 between Hwy 610 and North 4th Street in Minneapolis."

b. Draft Technical Evaluation. The evaluation process is moving from the scoping phase to technical evaluation. In a draft memo dated May 30, 2024, MnDOT explains how the technical evaluations will proceed. It describes the evaluation criteria and methodologies the project team will utilize in evaluating No Build and Build Alternatives in the Draft Environmental Impact Statement (DEIS). Figure 1 shows this analysis is Step 4 in the evaluation process. (Steps 1-3 have been completed during the scoping phase.) Step 4 of the evaluation process is proposed to be completed in two phases to further refine and screen the alternatives:

1) Phase 1 will be conducted in two parts to evaluate access types/configurations on Hwy 252. Phase 1A will determine whether Hwy 252 should go over or under the local roadways. Phase 1B will use the preliminary over or under design-level layouts (from Phase 1A) to evaluate each of the five Hwy 252 access combinations. The analysis results from Phases 1A and 1B will be documented in a technical report and attached to the DEIS.

2) Phase 2 includes analysis of the mainline configuration of corridor alternatives in the full evaluation in the DEIS. Preliminary design-level layouts will be developed for each corridor alternative identified in the scoping phase and the recommended access type/configuration from Phase 1 of Step 4. The outcome of Step 4 is the identification of a preferred



alternative for the Project.

2. Watershed-Based Implementation Funding (WBIF) Convene Group. The next convene meeting will be on June 17 at 10 AM when members will continue to discuss priority projects and refine cost estimates.

3. Eagle and Pike Lakes Internal Load Management. Stantec has been working with the City of Maple Grove to draft bid documents for the alum treatments on Eagle and Pike Lakes. A Fall alum treatment on both lakes is expected. (See item XI.B. of these Minutes.)

4. Mississippi Riverbank Stabilization Study. On May 10 Stantec collected updated field data for each of the parcels in the study from the Mississippi River. The collected data consisted of:

- a. Confirmation of data collected by Hennepin County, including: (1) Erosion (Major, Moderate, Minor, non); (2) Whether a seep is visual; (3) Verify erosion notes.
- b. Updated erosion severity, based on the four levels Hennepin County assessed (Major, Moderate, Minor, None)
- c. Georeferenced photos for each parcel,
- d. Notes on size/general dimension/type of erosion

Since collecting the data, Stantec has been working on and processing the data to determine the best concepts to implement for a suite of stabilization techniques. With preferred stabilization concepts Stantec will reach out to 2-3 of the homeowners where these concepts could be updated to 30% design plans with additional survey and geotechnical data collected.

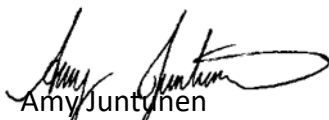
5. Colorado Infiltration Trench Feasibility Study. Stantec completed the boundary, topographic and utility survey of the project area on May 9. They have begun the geotechnical analysis by evaluating construction suitability using the preliminary design plan, survey data, utility and reservoir record plans, and local soil borings.

6. Project Updates. The status of the various grant and cost share projects is shown on the last page of the report.

XIV. OTHER BUSINESS.

There being no further business before the Commissions, the joint meeting was adjourned at 2:52 p.m.

Respectfully submitted,


Amy Juntunen
Recording Secretary
AAJ:tim

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To: Shingle Creek Watershed Management Commission

From: Sarah Harding, PLA
Todd Shoemaker, PE

Date: July 2, 2024

Subject: Brookdale Park Funding Assistance

Recommended Commission Action	For review and approval.
Proposed Budget	\$6,000
Funding	From Closed Projects Account (available balance ~ \$330,000)

Introduction

This Work Order authorizes staff to research and identify funding sources for the Brookdale Park Shingle Creek Remeander and Enhancement project. We recognize the next step is the start of a long-term funding, permitting and implementation phase to build on the previous completed work and partner collaboration. We envision the goal of this next phase is to create a road map to fund and ultimately implement the Shingle Creek stabilization and enhancement improvements proposed.

Background

Stantec recently completed a feasibility study, preliminary design plans, and public engagement services for the Shingle Creek remeander and enhancement projects within Brookdale Park in Brooklyn Park. The primary project objectives are to increase dissolved oxygen within Shingle Creek by remeandering a previously straightened segment of the creek using natural channel design techniques, reducing soil loss to improve water quality and fish and wildlife habitat through biological enhancements, and integrating proposed improvements within the park for user educational and recreational opportunities. Out of that study and design effort, the selected preliminary design cost budgets were more than currently allocated for funding.

Scope of Work

Stantec will identify funding and grant opportunities for the project area and provide a vision for implementation. The previous phase's design team members will work in parallel with our grant assistance team to optimize project's funding potential.

We will start by facilitating two meetings with the Watershed and project partners, including the City of Brooklyn Park, Three Rivers Park District (TRPD), and Minnesota Department of Natural Resources (MnDNR) as appropriate, to share preliminary plans, identify funding gaps and discuss opportunities for grant and local match funding options.



Work Order 24-05

Our grant assistance team will evaluate additional funding opportunities through other agencies such as BWSR, MPCA, and HSEM and compile the most applicable options into a funding strategy outlining potential sources and their funding focus, timeframe, and requirements.

Our team has relationships with State agency staff and fully understand the project development, grant application and grant implementation process. Through partnership, we will discuss with you the project's needs, and balance those with the purpose and intent of the most appropriate funding opportunities to help position the City toward securing funding.

We will review these funding opportunities with you and refine into an overall funding strategy memo.

Specific to one funding agency, the Federal Emergency Management Agency (FEMA), and since the passage of the Disaster Mitigation Act of 2000, Stantec professionals have worked with over 400 local communities to develop FEMA-approved hazard mitigation and resilience plans. These plans ensure communities are eligible for federal funding programs. Stantec has substantial experience in FEMA's mitigation programs including BRIC, HMGP, FMA and Public Assistance 406 and have secured and managed more than \$1 billion in resilience funding to advance projects and risk reduction. Specific to BRIC in 2020, for example, Stantec supported 16 successful BRIC applications nationally totaling more than \$28 million in FEMA funding.

Assumptions: Project partners include the City of Brooklyn Park, Minnesota Department of Natural Resources, and Three Rivers Park District, as appropriate.

Meetings:

- Two (2) project partner discussion meetings, virtual.
- One (1) coordination meeting with watershed and project partners to review proposed funding strategies and timeline, virtual.
- One (1) Commission meeting to present funding strategy memo, in-person.

Deliverable: Grant funding strategy memo including anticipated funding and possible timeline for funding.

Fee Estimate

Stantec will execute the scope of work described above for the fee outlined below on a time and materials basis and according to the Master Services Agreement with Stantec. We will not exceed the amount indicated without prior authorization from the SCWMC.

No.	Description	<u>TASK TOTALS</u>			
		HOURS	LABOR	EXPENSES	FEE
1	Funding Assistance	32	\$ 5,926	\$ 74	\$ 6,000

To: Shingle Creek Watershed Management Commission
From: Todd Shoemaker PE
Date: July 2, 2024
Subject: Shingle Creek Regional Park Technical Assistance

Recommended Commission Action	For review and approval.
Proposed Budget	\$10,000
Funding	From Closed Projects Account (available balance ~ \$324,000)

The Minneapolis Park and Recreation Board (MPRB) is initiating a significant improvement project along Shingle Creek. That project will occur over the next one to three years, has multiple sources of funding, and will implement a variety of different types of improvements, both recreational and environmental. Additionally, the Commission CIP includes \$400,000 that could be allocated to support the MPRB project.

Therefore, the purpose of this work order is to facilitate coordination between Stantec on behalf of the Commission and MPRB staff. Specific tasks may include staff attendance at preliminary coordination meetings, responding to data requests, and providing technical assistance to the MPRB. Stantec will also coordinate a Commission subgroup (similar to the Commission’s Highway 252/I-94 subgroup) to review and discuss MPRB requests and progress.

Stantec will execute this work order for the fee noted above on a time and materials basis and according to the Master Services Agreement with Stantec. We will not exceed the amount indicated without prior authorization from the Shingle Creek Watershed Management Commission. We anticipate this work order will allow us to assist MPRB through December 31, 2024. If additional assistance is needed into 2025, we will prepare a new work order to be reviewed and approved by the Commission.

July 2, 2024 To: Shingle Creek/West Mississippi WMO Commissioners/TAC

From: Diane Spector
Katie Kemmitt

Date: July 2, 2024

Subject: Clean Water Fund (CWF) Grant Solicitation

**Recommended
Commission Action**

Authorize staff to submit a Clean Water Fund grant application.

The Board of Water and Soil Resources (BWSR) opened the annual solicitation for Clean Water Fund (CWF) Grants on June 28, 2024. Grant applications are due by August 22. The program is similar to the grant solicitation in past years with a few exceptions.

This \$9.6 million is funding from the ongoing Legacy Amendment and is one of the primary funding sources for surface water improvements in Minnesota. Up to 20% of that amount may be reserved by BWSR for focus on projects that protect or improve drinking water sources.

Projects must be identified in a watershed management plan that has been state approved and locally adopted or an approved total maximum daily load study (TMDL), Watershed Restoration and Protection Strategy (WRAPS), Groundwater Restoration and Protection Strategy (GRAPS), surface water intake plan, or well head protection plan. Similar to last year, the required match remains at 10% (down from 25% in past cycles) of received CWF funds. While the Shingle Creek Commission has some projects on the CIP in the next few years, notably the Brookdale Park Natural Channel and the Minneapolis Shingle Creek Stream Restoration projects, those are still early in development and permitting and it is probably a year too early to request grant funds because we could not guarantee that the projects could be completed within the grant period. The Brookdale Park project is likely more suited to the DNR Habitat Enhancement Grants.

As part of the CWF Request for Proposals, BWSR is also offering *Accelerated Implementation Grants*, which aim to build capacity for local governments to accelerate on-the-ground projects that improve or protect water quality and perform above and beyond existing state standards for protecting and restoring water quality. Eligible proposals are pre-project identification, planning, and design tasks such as inventorying pollutant sites, using existing targeting tools to perform Subwatershed assessments, providing technical assistance, or increasing citizen interaction.

These are very competitive funds, so well thought out, targeted projects with local consensus and high priority in watershed and local plans will complete best. The Commission identified developing a Chloride Management Plan as a top priority for the next ten years in the Fourth Generation Plan. The Watersheds participated in the Hennepin County Chloride Initiative, and some education and outreach tasks are focused on chloride management education as a result. Managing chloride has become a key

part of discussions when reviewing development projects in the watershed. There is a need for a comprehensive, inclusive plan for managing chloride across the watersheds and metro-wide.

Staff recommend partnering with Elm Creek WMO to submit a proposal to the CWF Accelerated Implementation Grants to develop a chloride management plan that can be used by all three watersheds and member cities to guide chloride management. A joint plan shared by the three WMOs will ensure consistent messaging about chloride management for the member cities, private landowners, and other watersheds. Shingle Creek and Bass Creek in Shingle and Elm Creek and South Fork of Rush Creek in Elm are Impaired Waters for chloride. Crystal Lake in Shingle and the North Fork of Rush Creek and Diamond Creek in Elm are considered by the MPCA as High Risk, meaning there is some data indicating elevated high levels but not enough to meet the Impaired Waters criteria. Some of the outfalls in West Mississippi also suggest elevated concentrations of chloride.

We propose that this joint Chloride Management Plan (<https://www.pca.state.mn.us/business-with-us/statewide-chloride-resources>) align with the model described in the Minnesota Statewide Chloride Management Plan. We suggest a four-step approach, which is subject to change as we develop the scope of work.

1. **Define and fully understand the problem.** This task is comprised of three primary components: evaluating and interpreting available monitoring data to characterize chloride conditions in the watersheds' waters and runoff; a source assessment to understand the primary sources of chloride; and a "state of the practice" assessment that summarizes the management actions already being undertaken by stakeholders in the watershed.
 - a. **Data Analysis.** There is a variable amount chloride and conductivity data across the three watersheds collected by various entities. This task would collect and analyze that data to better understand current conditions and trends.
 - b. **Source Assessment.** While most the chloride load in most watersheds originates from road salt applied to streets and highways, that proportion varies based on road network density and land use. Road salt is also applied by private applicators in parking lots and drives, and individual property owners on walks and driveways, and it will be beneficial to estimate the relative share of the annual load applied by each of these classes of users. Load from fertilizers should also be assessed and contributions from water softeners should be estimated. A good source assessment will help inform the suite of implementation activities that could be considered and their priority.
 - c. **State of the Practice.** This task is a survey of public partners in the watershed and a sample of private parties to determine the actions that are already being undertaken or are in the planning stage. Road authorities may have already adopted most of the BMPs outlined by the MPCA in its smart salting training and tool. It will also be important to learn about barriers to adopting these smart salting practices, especially concerns about legal liability.

2. **Identify the stakeholders and partners in the watershed and define their roles and responsibilities.** Achieving the goals of the Chloride Management Plan will take the collective action of a large, diverse group of people and agencies. No one entity can complete this on their

own. The Statewide Plan is a good starting point for what should be a series of stakeholder meetings to flesh out a roles and responsibilities matrix. Included in this effort should be an agreed-upon method of tracking progress and holding stakeholders accountable.

3. **Identify implementation strategies.** The problem analysis in step 1 will suggest areas of focus for implementation, including priority geographies, actions, and stakeholders. This step should be completed by the stakeholders identified in the roles and responsibilities matrix. The Minnesota Statewide Chloride Management Plan also includes suggested implementation strategies by stakeholder type that can serve as a jumping off point.
4. **Ongoing monitoring and assessment.** The Chloride Management Plan should be a living document, reviewed and potentially revised annually to reflect progress as well as new areas of focus and implementation. As part of this step the WMO's monitoring programs should be reviewed to determine if any additional monitoring would be advisable to aide in the ongoing assessment of progress.

The Shingle Creek Commission budgets funds annually for the preparation of grant applications. If pursuing this grant is desired, staff can bring a draft application to the Commission for review at the August meeting. The following page shows the application questions for the Accelerated Implementation grants.

More information can be found here: [FY25 BWSR CWF Competitive RFP.pdf \(state.mn.us\)](https://www.state.mn.us/bwsr/cwf/competitive-rfp-fy25.pdf)

FY 2025 ACCELERATED IMPLEMENTATION QUESTIONS

(Answers to each question are limited to 2000 characters)

Note that the following questions need to be answered in eLINK.

The character limit in eLINK is NOT the same as Microsoft Word.

Proposal Abstract

Proposal Abstract (5 points): Succinctly describe what you are trying to achieve the anticipated outcomes of the proposed activities, and how you intend to achieve those results.

1. Does your organization have any active CWF competitive grants (0 points)? If so, specify FY and percentage spent. Also, explain your organization's capacity (including available FTEs or contracted resources) to effectively implement additional Clean Water Fund grant dollars.
2. Prioritization - Relationship to Plan (20 points):
 - (A) List the specific local water management plan(s) and describe how it supports this proposal. Reference the document name, section, page number, and organization (if different than applicant).
 - (B) List other relevant documents and describe how these documents support this project. Examples include Total Maximum Daily Load (TMDL) Implementation Plans, Watershed Restoration and Protection Strategy (WRAPS) document, or Groundwater Restoration and Protection Strategy (GRAPS) document, the Minnesota Nutrient Management Strategy and others.
 - (C) Provide web links to all plans referenced.
3. Targeting (20 points): Identify the water resource(s) that will benefit from targeted implementation efforts after these grant activities are completed. How will this project lead to more targeted implementation activities that protect or restore those water resource(s)?
4. Targeting (5 points): Describe the proposed methods to be used to accelerate implementation of projects and practices that will ultimately improve or protect the targeted water resource.
5. Project Impact (25 points):
 - A) Describe the proposed outcomes of this grant application. Describe how this grant will make implementation efforts more effective or efficient. Describe how the outputs will be either incorporated into the next water management or comprehensive plan amendment/revision or otherwise be incorporated into routine activities resulting in increased water quality protection or accelerated water quality restoration.
 - (B) Describe the benefits this proposal will provide from a local and/or state perspective.
 - (C) If applicable, describe how funds used for proposed staffing will be supported long-term.
6. Project Rationale (20 points): Why are these the most important and needed activities to implement at this time? Discuss alternatives considered and why those were not selected. How does this proposal complement other watershed work that you and your partners are conducting?
7. Timeline (5 points): Provide an anticipated timeline for completion of the proposed activities. Include steps taken or expected to ensure that the proposed activities can begin soon after the grant award and important project milestones.
8. The Constitutional Amendment requires that Amendment funding must not substitute traditional state funding. Briefly describe how this project will provide water quality benefits to the State of Minnesota without substituting existing funding (0 points).



SHINGLE CREEK / WEST MISSISSIPPI WATERSHED MANAGEMENT COMMISSION
 Monthly Communication Log
 July 2024

Date	From	To	SC	WM	Description
6/7/24	Katie Kemmitt	April Londo, DNR	X		Meeting to discuss Meadow Lake AIS management.
6/12/24	Jerry Skoog, Eagle Lake resident	SCWMWMC website	X		Asking if Eagle Lake alum treatment will include channel along Balsam Lane. Replied that no, alum treatments are focused on deepest parts of the lake due to sediment phosphorus release rates.
6/14/24	Met Council	Todd Shoemaker	X	X	Received 30% stormwater design files for Blue Line LRT
6/14/24	Emily Resseger, MWMO	Katie Kemmitt		X	Delivery of 65th Ave 2023 Stormwater Monitoring report.
6/21/24	Matthew Bauman, Bolton & Menk	Todd Shoemaker	X		Late summer watermain rehabilitation project to occur in Brooklyn Center crossing 694 between Colfax Avenue and Dupont Avenue. Below Commission project review threshold, but making Commission aware because of the high-profile location.
6/24/24	Diane Spector	Katie Kemmitt; Laura Jester, Bassett Creek WMO; Karen Galles, Hennepin County	X	X	Meeting to discuss opportunities for continuation of Hennepin County Chloride Initiative through Watershed Based Implementation Funding.
6/24/24	Katie Kemmitt	Jesse Struve, City of Crystal	X		Update on 639W resident complaint and Stantec site inspection.
6/24/24	Katie Kemmitt	Amy Timm, MPCA	X		Transmit final invoices for Crystal Lake 319 grant reporting.
6/24/24	Eric Lund, Barr Eng.	Todd Shoemaker	X		Construction completed June 2023. Restoration is in progress, but southern water levels within the floodplain mitigation area have been a problem. "Rail spur" was bermed very slightly and is now likely preventing water from draining out of the floodplain mitigation area. Eric discussed options with Todd and Wes Saunders-Pearce, MnDNR.
6/25-6/26/24	Minnesota Watersheds	Todd Shoemaker, Katie Kemmitt	X	X	Attended Minnesota Watershed's annual meeting and tour. Visited Capitol Region and Ramsey Washington Metro Watershed District project sites.
6/28/24	Katie Hembre, UMN	Katie Kemmitt	X		Request Bass Lake alum treatment and vegetation transplant details for Master's thesis.
6/28/24	Stu Froelich, Schmidt Lake Assoc.	Katie Kemmitt	X		Request for watershed funds for aeration device on Schmidt Lake. Aeration was not identified in the TMDL Implementation Plan. Stantec and City of Plymouth are drafting an appropriate response.
6/28/24	Andy Polzin, SC Chair	Todd Shoemaker, Diane Spector, Katie Kemmitt	X	X	Forwarded Blue Line update. The Supplemental Draft Environmental Impact Statement (SDEIS) for the Blue Line Extension is available for comment.
7/1/24	Katie Kemmitt	Laura Jester, Bassett Creek WMO	X	X	Requested copy of Bassett Creek's policy on using interest funds to guide SCWM's policy development.
7/1/24	Jen Dullum, BWSR	Judie Anderson	X	X	News release: BWSR accepting applications for Clean Water Fund grants.
7/1/24	Jenna Wolf, City of Robbinsdale	Katie Kemmitt	X		Request for staff to clean off carp barrier. Staff responded and performed field visit on 7/2

To: Shingle Creek/West Mississippi WMO Commissioners
From: Todd Shoemaker, PE, CFM
Katie Kemmitt
Date: July 2, 2024
Subject: July 2024 Staff Report

**Recommended
Commission Action**

For discussion and information.

PROJECT UPDATES

- Crystal Lake Management Plan
 - The Crystal Lake Management Plan 319 grant expired on 6/30/24.
 - Staff worked with MPCA and WSB to complete final carp removals funded under the grant.
- Eagle and Pike Lakes Internal Load Management
 - Stantec has been working with the City of Maple Grove to draft bid documents for the alum treatments on Eagle and Pike Lakes.
 - A bid opening is scheduled for July 9th.
 - A Fall alum treatment on both lakes is expected.
- Colorado Infiltration Trench Feasibility Study
 - Stantec completed the boundary, topographic and utility survey of the project area.
 - We have begun the geotechnical analysis by evaluating construction suitability using the preliminary design plan, survey data, utility and reservoir record plans, and local soil borings.

EDUCATION AND OUTREACH UPDATE

- WMWA is still looking for applicants for the Watershed PREP educator position. See job posting here: https://www.westmetrowateralliance.org/uploads/5/8/3/0/58303031/job_posting2.pdf
- Hennepin County distributed their July media kit. Below is text from Grace's email update:

Good afternoon,

Attached to this email is West Metro Water Alliance’s July [media kit](#), focused on educating residents on pet waste pollution and management. There is one newsletter and set of social media posts that have a summer focus, and one newsletter and set of social media posts that have a focus on early spring. Please schedule postings of the summer focused newsletter and social media content for some time in July! Again, the media kit is editable, so if you wish to put in any information on your specific city ordinance on pet waste, we encourage you to do so.

We are planning to release a mailer within the next few weeks, focused on pet waste, that you can attach in any city mailings. This is still going through our design team and being finalized, but I will send it to you as soon as possible. With it, I will attach specific directions on how these mailers can be printed and/or delivered to you.

Please reach out if you have any questions or suggestions! I appreciate your time helping to share this information.

Best Regards,

Grace Barcelow

Hennepin County Environment and Energy
Conservation Specialist
612-910-3914 (mobile)
612-543-9295 (office)
grace.barcelow@hennepin.us
Pronouns: she/her

UPCOMING STORMWATER / WATERSHED MANAGEMENT CONFERENCES

Date	Conference	Sponsor	Location
Sept 8-11	Water Infrastructure Conf	American Water Works Association	Phoenix, AZ
Sept 10-11	Iowa Water Conf	Iowa Water Center	Coralville, IA
Sept 17-20	AWWA MN Section Annual Conf	American Water Works Association	Duluth, MN
Sept 26-29	MN Recreation & Park Association	MN Recreation & Park Association	Mankato, MN

GRANTS, COST SHARE, AND FUND BALANCE STATUS

Items in Bold Italic have changed since the last report
 Grant/fund amounts to be updated based on 2023 audit.

Grant Projects

Project	Grant Source	Expiration	Status
<i>Shingle Creek</i>			
Crystal Lake Mgmt Plan	MPCA 319	06/30/24	Complete except for final report
Meadow Lake Mgmt Plan	CWF	12/31/24	Grant has been extended for possible 2024 BMPs
Palmer Creek Estates Stream Resto: Plymouth	CWF	12/31/24	Work mostly complete, punch list items & veg
<i>Eagle Lake SWA</i>			
Gaulke Pond Area SWA	WBIF	12/31/25	Complete
Colorado Ave Infiltration Trench design	MPCA	06/30/25	In progress
<i>West Mississippi</i>			
Miss Riverbank Stabilization	WBIF	12/31/25	In progress

Cost Share Projects

Project	Partner	Amount	Status
<i>Shingle Creek</i>			
Shingle Creek Rain Gardens	City-Mpls	\$50,000	In progress
Highland Gables	Partner-Metro Blooms	\$49,993	In progress (\$35,903.81 pd to date)
<i>West Mississippi</i>			
Miss Gateway Shoreline Stabil	Partner-3 Rivers	\$75,000	Awarded, not yet started

Encumbered Balances as of 12/31/23 (Amounts are approximate)

Watershed	City Cost Share	Partnership	Closed Projects	Assigned	Unrestricted
Shingle Creek	\$292,639	\$106,000	\$370,000	\$23,000	\$69,000
West Mississippi	\$460,000	\$130,000	\$151,000	\$154,000*	\$120,000

*About \$89,000 assigned to "Grant Match account"