



LOWER MINNESOTA RIVER WATERSHED DISTRICT

The location of the meeting is scheduled for the Board Room at the Carver County Government Center

Lower Minnesota River Watershed District
 7:00 PM
 Wednesday, May 16, 2018
 County Board Room, Carver County Government Center, 2nd Floor
 602 East 4th Street, Chaska, MN 55318

Agenda Item	Discussion
1. Call to order	A. Roll Call
2. Approval of agenda	
3. Citizen Forum	<i>Citizens may address the Board of Managers about any item not contained on the regular agenda. A maximum of 15 minutes is allowed for the Forum. If the full 15 minutes are not needed for the Forum, the Board will continue with the agenda. The Board will take no official action on items discussed at the Forum, with the exception of referral to staff or a Board Committee for a recommendation to be brought back to the Board for discussion or action at a future meeting.</i>
4. Consent Agenda	<p><i>All items listed under the consent agenda are considered to be routine by the Board of Managers and will be enacted by one motion and an affirmative vote of a majority of the members present. There will be no separate discussion of these items unless a Board Member or citizen request, in which event, the items will be removed from the consent agenda and considered as a separate item in its normal sequence on the agenda.</i></p> <p>A. Approve Minutes for April 18, 2018 Regular Meeting B. Receive and file Financial Reports C. Approval of Invoices for payment</p> <ul style="list-style-type: none"> i. Burns & McDonnell - for February 2018 engineering services ii. Frenette Legislative Advisors - for January, February & March lobbying services iii. Pace Analytical Services - for Chloride monitoring of Ike's Creek iv. US Bank Equipment Finance - for April & May copier rental v. Coalition for a Clean Minnesota River - for sponsorship of MN River Congress vi. Metro Conservation District - for Children's Water Festival vii. Metro Sales - for copier maintenance agreement viii. Rinke Noonan - for March 2018 legal services ix. Steinkraus Development LLC - for April & May office rent x. Naiad Consulting, LLC - for February 2018 admin services & expenses
5. New Business/ Presentations	<p>A. Presentation by Kim Musser from Minnesota River Data Center B. Presentation by Ted Suss from Friends of the Minnesota Valley</p>

	<ul style="list-style-type: none"> C. MN River Congress request D. 2017 monitoring presentation by Scott County SWCD <ul style="list-style-type: none"> i. Approval of Scott County Monitoring Agreement E. Corps of Engineers - Lower Minnesota River Watershed District Storage Assessment F. 2018 Cost Share Program <ul style="list-style-type: none"> i. City of Carver ii. 10831 Quebec Avenue South - Bloomington (Larson) iii. - Burnsville (Schwartz) iv. - Burnsville (Zepeda)
6. Old Business	<ul style="list-style-type: none"> A. Hennepin County Landslide Inventory B. Metro-area Watershed Based Funding Pilot Program C. MAWD Summer Tour D. Dredge Management <ul style="list-style-type: none"> i. Review process for funding of maintenance of Navigation Channel ii. Vernon Avenue Dredge Material Management site iii. Private Dredge Material Placement E. Watershed Management Plan F. 2018 Legislative Action G. Education & Outreach - No new information to report since last update H. LMRWD Projects <ul style="list-style-type: none"> i. Eden Prairie Area #3 Stabilization ii. Riley Creek Cooperative project Hennepin County Flying Cloud Drive/CSAH 61 reconstruction project iii. Floodplain Lake Coring Project with Freshwater Society iv. Seminary Fen ravine stabilization project v. Analysis of Dakota County Monitoring vi. East Chaska Creek - CSAH 61 & TH 41 Transportation improvements I. Project Reviews <ul style="list-style-type: none"> i. City of Burnsville - Dodge of Burnsville ii. City of Chaska - MCES L-71 lift station project iii. City of Burnsville - Xcel Energy Black Dog Plant iv. MNDOT - I35W Bridge replacement J. Boundary Change - RPBCWD, NMCWD, MCWD and LMRWD K. MPCA Soil Reference Values - No new information since last update
7. Communications	<ul style="list-style-type: none"> A. Administrator Report B. President C. Managers D. Committees E. Legal Counsel F. Engineer
9. Adjourn	Next meeting of the LMRWD Board of Managers is Wednesday, June 13, 2018

Upcoming meetings/Events

- MN River Congress - Thursday, May 17, 2018, Mankato (venue to be announced)
- [TC-WaMoDaG](#) - Wednesday, May 30, 8:00am - 12:00noon, Hansen Park, New Brighton
- [MAWD Summer Tour](#) - Wednesday, June 20 through Friday June 22 - Country inn & Suites, Chanhasen
- [Minnesota Water Resource Conference](#) Tuesday, October -16- Wednesday, October 17, 2018, St. Paul River Centre

For Information Only

- WCA Notices
 - None received
- DNR Public Waters Work permits
 - MNDOT - I 35W MN River Bridge Replacement (SP1981-124)
- DNR Water Appropriation permits
 - MCES/Veit Companies - temporary construction dewatering for
 - CenterPoint Energy - Dakota Station above ground storage tank basin dewatering - long term appropriation

Future Manager Agenda Items list

- Report of water quality testing of Minnesota River from MPCA
- Report on Flying Cloud Landfill
- Record retention policy
- AIS Policy
- Riverbank stabilization policy

Future TAC Agenda Items List

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LOWER MINNESOTA RIVER WATERSHED DISTRICT

Minutes of Regular Meeting

Board of Managers

Wednesday April 18, 2018

County Board Room, Carver County Government Center, Chaska MN, 7:00 p.m.

Approved _____, 2018

1. CALL TO ORDER AND ROLL CALL

On Wednesday, April 18, 2018, at 7:00 PM in the Board Room of the Carver County Government Center, Chaska, Minnesota, President Shirk called to order the meeting of the Board of Managers of the Lower Minnesota River Watershed District (LMRWD) and asked for roll call to be taken. The following Managers were present: President Yvonne Shirk, Manager David Raby and Manager Jesse Hartmann. In addition, the following were also present: Linda Loomis, Naiad Consulting, LLC, LMRWD Administrator; John Kolb, Rinke Noonan, Legal Counsel; Della Schall Young and Lisa Buchli, Young Environmental Consulting Group, LLC, Technical Consultant; Ron Leaf, Kimley-Horn, representing the City of Burnsville; Bryan Gruidl, City of Bloomington; Jennie Skancke, MN DNR; Lindsey Albright, Dakota, SWCD; Chris Penwell, Siegel Brill, P.A.; Julie Blackburn, RESPEC; and members of the public; Duane Saunders, Tim Marpe, Ron Nelson, Tom & Bev Weber

2. APPROVAL OF THE AGENDA

Managers noted that the February 21, 2018 meeting minutes was not listed on the agenda, but it was included in the packet. Manager Hartmann noted that it was listed on line.

President Shirk made a motion to approve the agenda. The motion was seconded by Manager Raby. The motion carried unanimously.

3. CITIZEN FORUM

Ron Nelson, 163 Spring Valley Drive, Bloomington, MN 55420. Mr. Nelson wanted information regarding the MN Valley State Trail proposed to run along the north bank of the river, behind his home. He said it is his understanding the proposed trail will be paved and asked if the LMRWD had any information about that. President Shirk asked if Administrator Loomis could answer Mr. Nelson's questions.

Administrator Loomis said that trail is being constructed by the MN Department of Natural Resources and is in the design phase. She said that it is proposed to pave the trail. Mr. Nelson asked about parking lots. Administrator Loomis said she doesn't believe additional parking lots are part of the proposal. She noted that Mr. Bryan Gruidl from the city of Bloomington was in the room and perhaps he could give Mr. Nelson additional information.

4. CONSENT AGENDA

Manager Raby said he did not notice any reference in the March 21, 2018 meeting minutes to the Board's acceptance of the Rinke Noonan proposal for legal services. Administrator Loomis said she will review the recording of the meeting and amend the minutes accordingly. Manager Raby said that would be acceptable. President Shirk also noted the February 21, 2018 meeting minutes were

not on the printed agenda even though they were in the meeting packet. Manager Hartmann noted that they were on the agenda on the website. The agenda was amended to include the February minutes. The Consent Agenda included the following items:

- A. Approval of Minutes for February 21, 2018 and March 21, 2018 Regular Meeting**
- B. Approval of Financial Reports**
- C. Presentation of Invoices for payment**
 - i. **Carver County - for 1st quarter 2018 financial services**
 - ii. **Freshwater Society - for sponsorship of 2018 Road Salt Symposium**
 - iii. **Kaul Design Group, LLC - Final invoice for logo redesign**
 - iv. **Liberty Mutual Insurance Co. - for 2018 surety bond premium**
 - v. **MAWD - for 2018 membership dues**
 - vi. **Pace Analytical Services, LLC - for chloride testing of Ike's Creek**
 - vii. **Time Savers Off Site Secretarial - preparation of January & February 2018 Board meeting minutes**
 - viii. **State of MN - for publication advertisement for engineering & legal services proposals**
 - ix. **US Bank Equipment Finance - March copier rental**
 - x. **Greg Zeck - Dec & Jan webmaster services, web hosting & domain name renewals**
 - xi. **Burns & McDonnell - for Dec & Jan engineering services**
 - xii. **Culligan Bottled Water - bottled water for Chaska office**
 - xiii. **Rinke Noonan - for Jan & Feb legal services**
 - xiv. **Steinkraus Development LLC - for March office rent**
 - xv. **Naiad Consulting - for December 2017 admin services, mileage & expenses**
 - xvi. **Scott County Treasurer - for reporting to auditor for annual audit**

President Shirk made a motion to approve the consent agenda. The motion was seconded by Manager Raby. The motion carried unanimously.

5. PUBLIC HEARING

A. Continuation of October 25, 2017 Watershed Plan Amendment Public Hearing

Administrator Loomis noted this is a continuation of a public hearing held October 25, 2017. She reminded everyone that at that hearing the Board continued the hearing in order to allow staff time to hold information meetings throughout the District and have an additional Technical Advisory meeting.

She provided background information about the formation of the LMRWD and history of the Watershed Management Plans the LMRWD has prepared up until this most recent version. SHE provided the additional meetings the District held at the direction of the Board.

Attorney Kolb talked about the statutory requirements for the watershed district regarding the preparation of plans. He stated the plan is required to be revised every 10 years. He said the main discussion has been about the definition of standards. The plan also has to include a schedule. He explained that once the LMRWD adopts the plan the LGUs within the boundaries of the watershed district will have 18 months from the date of adoption to make revision to local plans and official controls in order to come into conformity with the Watersheds Plan. Attorney Kolb noted the process has been extensive in terms of how we deal with review and interagency coordination and also with the Board of Water and Soil Resources. The District is in the middle of the comment period that has been extended multiple times to allow for some local informational meetings, so that the District could be responsive to the many concerns that were presented to the Board during the hearing and the public comment process. This evening is part of the process. Once the public hearing is completed the Board will have to look at final revisions that it determines are necessary, based on public comment and responses before

submitting it to BWSR for its 90 day review. At the end of its review, BWSR will have a hearing and determine whether or not to recommend approval.

Ms. Young walked through the amendment process. She noted the Plan was updated in 2011 and the next update was not due until 2021. This amendment was done in response to changes to state administrative rules (8410) and upon a recommendation for the LMRWD's Technical Advisory Committee. This amendment process will set new dates and the District will not be required to update its plan again for another 10 years

She said the approach was to consider the districts mission and responsibility for protecting, preserving and restoring water resources within the District. Ms. Young said the District assessed the resources through that lens of protection, preservation and restoration. Part of the process was to put together a Statement of Needs and Reasonableness (SONAR), as requested by some of the municipalities. Some of the issues identified were the vulnerabilities of fens and trout waters, landslides, slope instability and erosion, floodplain encroachment and financing the dredge management. Once issues were identified, staff did a gap assessment and research review to bring things back up-to-date.

Ms. Young detailed all the review staff did in order to prepare the plan amendment. She explained how the District looked at high value resources, trout waters and fens and developed more strict standards for those areas. The floodplain standard was clarified to make sure the standard addressed the District's dredge site and to clear up misunderstandings that some seem to have understanding when compensatory storage is needed when fill is placed in the floodplain.

Ms. Young stated the bluff standard has received the most attention. She said it is now going to be called a steep slope standard in order to simplify the standard. She noted a number of comments were received on how that would affect the public and municipalities so staff was directed to go back and take a look at this. Ms. Young explained the modification that was made was presented to the Board for approval in December. The standard is now permissive and should still protect the slopes. Landowner can now plan activities in the overlay zone, however they will need to consult a licensed engineer to ensure the activity will not destabilize the slope.

She went through the Capital Improvement Plan and explained projects that have been added to the CIP. She also went through the programs like a vegetation management plan, especially in the overlay district. The proposal is to put a plan together that residents can look at for advice on how to address buckthorn and other things and help with how to fund that. She also explained that from time to time projects arise that may not be in the plan, but are projects that the LMRWD want to participate in for one reason or another. The plan accounts for this in the implementation plan

Ms. Young explained the public input and explained the timeline. She noted before the draft plan amendment was released for the 60-day comment period, there were four technical advisory committee meetings and then meetings with all the municipalities. The plan amendment was released for the 60-day comment period in July 2017. She continued with all the activities completed to date.

She then explained the schedule moving forward.

Mr. Ron Leaf, of Kimley Horn, representing the City of Burnsville. He wanted to highlight a few concerns. He noted they don't have the final draft language just the draft from January. Mr. Leaf commented on the no-rise certification and that even if there is fill on a project. He said

most of the comments are administrative, not technical. He feels the standards are quite burdensome on the city. He said the City supports a conditional use permit process to enforce the standards. The city would prefer a CUP process rather than a variance process. Mr. Leaf strongly encourages the board to incorporate a CUP process instead or in addition to the variance process.

Mr. Leaf said that the city is also concerned with the regulated activity and thresholds in section 4.2. It appears far too broad to be reasonably administered at the local level. There are some differences in the thresholds of cubic yards of disturbance and square yards of disturbance that brings far more small projects into the cities review process. He said the city does not have the resources to administer that.

Mr. Leaf said the flood plain concern has been taken care of. He said the city would really like to see the final document that will show what Appendix K will be to ensure the intent of the responses in the comment summary is incorporated in the language of Appendix K.

Mr. Duane Saunders was asked if he wanted to speak and Mr. Saunders responded that he had nothing to say.

Brian Gruidl, City of Bloomington, echoed Ron Leaf's comments. He said they appreciate the efforts by the District and the District staff to continue to work with them. He commented on the notice process and said it is the city's opinion that the district should be doing more than the statutory requirements and the property owners most affected by the standards should be receiving a mailed notice.

Mr. Gruidl said that under the bluff and steep slope standard the district is proposing to regulate activities that require municipal permits that result in a net increase in impervious or stormwater run off within the steep slope overlay district. There are many relatively small projects such as minor driveway widening, small sheds or small patios, that would trigger a permit and therefore would need to certify by an engineer. By requiring a certification, it would make many of these small projects cost prohibitive. The city requests that projects under the 5,000 square feet or 50-cubic yard threshold be removed. This would give the city flexibility to regulate small projects on a case by case basis in order to help protect the steep slope area. This would also help eliminate the potential for variances for these smaller projects. He said there the city requests an exemption for new impervious surfaces that do not drain toward the bluff, like the driveway example given earlier. The last comment is the high value resource area, Ike's Creek, and the city requests reconsideration for the inclusion of the Ike's Creek high value resource area, for the same reasons the DNR determine to not pursue trout designation.

Mr. Ron Nelson, 163 Spring Valley Drive, Bloomington, MN 55420, asked about the steep slope mitigation. He asked if verbiage in the plan makes reference to the authority to mandate corrections to the slope of homeowner's properties if it doesn't conform. He said he doesn't see where the plans would preclude that. Attorney Kolb said any violation of municipal control is subject to enforcement by the municipality. Mr. Nelson asked if the municipality would be enforcing this current proposal. Mr. Kolb said the municipality would be incorporating these standards into their official controls. However, each city will determine what level of enforcement they would apply and what remedies they would seek for violation of those controls. Mr. Kolb said the authority exists in law, but he cannot tell Mr. Nelson how the city would react.

Mr. Nelson asked if current state of property would be grandfathered in from violation of the new rules. Attorney Kolb said they don't think the grandfathering is necessary as the standard is currently proposed. Mr. Nelson asked if they could have language included in the amendment

that the certain state of condition could be grandfathered in. Attorney Kolb said the board can consider including this language if they choose to. Mr. Nelson noted it is the confusion he is looking to avoid.

Mr. Nelson said in 1961 the first plan was adopted which was strictly referencing barge and commercial traffic and now this is the 4th amendment. Each amendment has dramatically changed on how it impacted the property owner. He stated nothing is slowing down the authority over the homestead.

Mr. Nelson commented on the steep slope vegetation management plan. He asked if authorities can come in and tell him what to plant and un-plant? Ms. Young clarified the vegetation plan is a resource for residents. The plan is a tool for residents to use to help determine how to manage steep slopes. Mr. Nelson fears that in the future property owners will be told how to manage their properties. He said there is nothing in the wording that says taking this authority is prohibited.

Mr. Nelson said they went from 30% to 18% to 12% on the 25-foot grade and asked about the line of impact is on the bluff. Ms. Young commented on the bluff definition. The overall desire is to manage the steep slopes. She said the District has not ever managed to a 12% slope.

Mr. Nelson asked if any study had been prepared regarding to the cost to home owners to implement the proposed plan. Administrator Loomis said no such study has been done.

Chris Penwell, Attorney with Siegel & Brill, said he wants to focus on undeveloped property. He said after the modifications were made to appendix K, he consulted an engineer about the path for building on undeveloped property. The cost of determining whether section 5.4 requirements can be met would be cost prohibitive, in the tens of thousands of dollars. How can building a structure and adding impervious surface to undeveloped property meet the requirement of preserving existing drainage patterns? It doesn't seem like there is any way that requirement can be met. He didn't want to repeat comments he made last October about regulatory taking, but unless these standards provide a real path to develop undeveloped property it is not really going to help.

Jenny Skancke, Area Hydrologist, DNR, said they still feel strongly about all the comments submitted in the letter regarding the amended Appendix K. She said they feel strongly that there should be some required setback or no development in the bluff impact zone for the protection of the resources. She stated that there are setback requirements in the Mississippi Critical Corridor that have proven effective and were not arbitrary. Regulation of steep slope was adopted for a reason. She stated they know what works and sometimes it is in the best interest of the landowners that these regulations are put in place. She asked that the district check in with the DNR regarding the designation of Ike's Creek designation.

Mr. Nelson said the residents along the bluff are just as concerned with maintaining what is best for the environment in their own backyards as is the DNR or anyone on the board. There are financial impacts that may detrimentally affect the resale value of properties. He asked the board to consider the welfare and concerns for what's best for all involved.

Jenny said she had one more item. She thought that the statement that there should be some language in the standards about drainage that doesn't drain to the bluff; they would support. She asked for clarification about the increase in impervious. She asked if the increase in impervious, would also have to trigger the volume and surface trigger. Ms. Young clarified that any net increase in impervious that would trigger a municipal permit would require certification.

Staff intends to look at the exemption that was proposed regarding new impervious that does not drain to the bluff makes sense and will be looked.

President Shirk moved to close the public hearing and direct staff to prepare final revisions to the plan amendment in a manner consistent with the public comments and responses for final consideration at the May board meeting prior to submitting the proposed amendment to BWSR for 90-day review. The motion was seconded by Manager Raby. The motion carried unanimously.

6. NEW BUSINESS/PRESENTATIONS

A. Hennepin County Landslide Inventory

Administrator Loomis said attention was drawn to this issue in 2014 after the slope failure behind Fairview Hospital and flooding at Methodist Hospital took two Level 1 trauma centers offline.

She said the county was concerned about slope failures and approached the University of Minnesota and Carrie Jennings of Freshwater to study historical slopes failures within Hennepin County and to see if there is a way to identify slope that are susceptible to failure. Over 600 failure features were identified within the portion of the LMRWD in Hennepin County. A table showing the type of landslide features found within each watershed district was provided in the executive summary. The county would like to do a second phase of this study and has agreed to dedicate \$10,000 toward that effort. Freshwater Society convened a meeting of all of the watershed districts in which slide features were identified to ask for their participation in phase 2. Administrator Loomis said the estimated cost of the phase 2 study is between \$40,000 and \$50,000. She said all the watershed district administrators that attended the meeting were agreeable to funding a phase 2 study. Riley/Purgatory/Bluff Creek WD and Minnehaha WD were not in attendance. Administrator Loomis said she recommends funding the project up to \$10,000.

Manager Raby asked about the watershed districts that were not at the meeting and if they are in agreement. Administrator Loomis explained that Freshwater Society was planning to check with those who did not in attend, but she has not heard back whether or not they had responded. Manager Hartmann asked if Administrator Loomis felt confident that the study would get funded and she responded that she believes it will be.

Manager Raby moved to allocate up to \$10,000 for the phase 2 Hennepin County Landslide project. The motion was seconded by President Shirk. The motion carried unanimously.

7. OLD BUSINESS

A. Engineering & Legal proposals

Administrator Loomis reminded the Board that three proposals were received for engineering services and one for legal services. And that the Board had accepted the proposal for legal service from Rinke Noonan and tabled the decision on the engineering proposals.

President Shirk and Manager Raby agreed on continuing with Young Environmental.

Manager Raby asked how the relationship would be structured between Young Environmental, Burns & McDonnell and Barr Engineering and if they would be subject to the 10% mark up. Della Young responded that it would be structured exactly like the agreement that the District currently has with Burns & McDonnell and subcontracts with Young Environmental, only now Young Environmental would be the primary service provided.

Manager Raby then asked if any representatives from the other firms were in attendance. Julie Blackburn, from RESPEC, was in attendance. Manager Raby asked about the location of the

individuals who would be providing service. Ms. Blackburn responded to where RESPEC offices are located. She clarifies RESPEC was responding to the Request for Proposals to become part of a pool of service providers and talked about the services RESPEC can provide to the District. She continued that Della is a great consultant and service provider.

Manager Hartmann asked if they have the option of having an engineering pool. Attorney Kolb said yes. He pointed out that there was nothing in the proposal that would preclude the District from having one. Manager Raby said he does not think a pool would do the District any good and it might actually constrain the District in the future. He said they have a primary engineer but they can utilize any firm they want for projects.

Manager Hartmann moved to approved Young Environmental Consulting Group, LLC. The motion was seconded by President Shirk. The motion carried unanimously.

Ms. Young thanked the board and Ms. Blackburn for her comments.

B. Metro-area Watershed Based Funding Pilot Program

Administrator Loomis shared information on the projects staff is considering to submit to each county for funding under this program. She said the counties have until June 30th to submit a plan to BWSR for how each of them intends to allocate funds.

She said staff will submit the East Chaska Creek project in Carver County. In Dakota County, the project submitted would be the fen stewardship project that staff has been working on. In Hennepin County, staff is working with the water management organizations in the Minnesota River Basin to develop a project to establish a cost share program for cities and other to use to address the state-wide Chloride impairment And in Scott County, the plan is to have one large project county-wide project for \$150,000 and then divide the remaining money between the water management organizations. The LMRWD intends to use its funds to work with the city of Savage to develop a project in the Eagle Creek sub-watershed.

President Shirk asked about the cost of the Carver project. Administrator Loomis said the cost was in the feasibility study and she cannot remember the exact amount and she will get that information.

C. Dredge Management

Administrator Loomis said there is nothing additional other than what was in the executive summary.

i. **Review Process for funding of maintenance of Navigation Channel**

ii. **Vernon Avenue Dredge Material Management site**

iii. **Private Dredge Material Placement**

D. Watershed Management Plan

Administrator Loomis said there was a motion made at the end of the public hearing.

E. 2018 Legislative Action

Administrator Loomis said the board should consider adding funding the Minnesota River Data Center located at Mankato State University to the legislative priorities. President Shirk asked for a presentation to the board.

F. Education and Outreach Plan

i. Education and Outreach Coordinator

Administrator Loomis said the only proposal they received that addressed the District's education needs was from RESPEC. She said they will re-advertise so firms or individuals can apply. The Board concurred that this was appropriate.

ii. Friends of the MN River Valley/LMRWD cooperative project

Administrator Loomis had nothing new to report since last update.

iii. Citizen Advisory Committee

Administrator Loomis had nothing new to report since last update.

G. LMRWD Projects

i. Eden Prairie Area #3 Stabilization

No information other than what was reported in the Executive Summary.

ii. Riley Creek Cooperative Project/Hennepin County Flying Cloud Drive/CSAH 61 reconstruction project

Administrator Loomis said a proposal for this project was included in the packet. Staff thought the cost was high for the rerouting Riley Creek, but there is a savings by doing it as part of the county's project. Manager Raby asked if Barr put together an engineering estimate for the cost of the project. Ms. Young said an engineer's estimate was never put together, as it was the intent of staff to include this project as part of the county's project.

The Board discussed whether or not the proposed cost was included in the District original budget for this project.

President Shirk moved to approve the Riley Creek Cooperative Project/Hennepin County Flying Cloud Drive/CSAH 61 reconstruction project with a reconfirmation of the budget. The motion was seconded by Manager Raby. The motion carried unanimously.

iii. Floodplain Lake Coring Project with Freshwater Society

No information other than what was reported in the Executive Summary.

iv. Seminary Fen ravine stabilization project

No information other than what was reported in the Executive Summary.

v. Analysis of Dakota County Groundwater Project

No information other than what was reported in the Executive Summary.

vi. East Chaska Creek/ CSAH 61 & TH 41 Transportation Improvement Project

No information other than what was reported in the Executive Summary.

H. Project Reviews

Administrator Loomis said the Board needs to action on the municipal plan reviews and needs to adopt the resolutions that were included in the packet.

i. City of Savage - 7369 Highway 13: Valley Oil

No information other than what was reported in the Executive Summary.

ii. City of Chaska - MCES L-71 lift station project

No information other than what was reported in the Executive Summary.

iii. City of Chaska - Indoor Dog Park

No information other than what was reported in the Executive Summary.

- iv. **City of Bloomington - Jefferson High School**
No information other than what was reported in the Executive Summary.
- v. **Scott County - TH 169/41 Interchange**
No information other than what was reported in the Executive Summary.
- vi. **City of Minneapolis - Comprehensive plan**
No information other than what was reported in the Executive Summary.
- vii. **City of St. Paul - Comprehensive plan**
No information other than what was reported in the Executive Summary.
- viii. **City of Bloomington - Local Surface Water Management Plan**
See motion below.
- ix. **City of Bloomington - Hyatt House; 2343-2373 Old Shakopee Road**
No information other than what was reported in the Executive Summary.
- x. **City of Chaska - Local Surface Water Management Plan Amendment**
See motion below.
- xi. **City of Chanhausen - Comprehensive Plan/Local Water Management Plan**
See motion below.
- xii. **City of Lilydale Local Water Management Plan Amendment**
See motion below.
- xiii. **City of Burnsville - Xcel Energy Black Dog Plant**
No information other than what was reported in the Executive Summary.
- xiv. **MNDOT - I35W Bridge replacement**
No information other than what was reported in the Executive Summary.

Manager Raby moved to adopt the resolution 18-04 approving the LSWMP for the City of Bloomington, resolution 18-02 approving the LSWMP for the City of Chaska, resolution 18-03 approving the LWMP for the City of Chanhausen and resolution 18-05 approving the LWMP for the City of Lilydale. The motion was seconded by President Shirk. The motion carried unanimously.

- I. **MPCA Soil Reference Values - no change since last update**
No new information since last update.

7. COMMUNICATIONS

- A. **Administrator Report:** Administrator Loomis said she did not have time to prepare an Administrator report. Manager Raby commented that he thinks that in order to lessen the work for the Administrator that it is not a necessary item. President Shirk commented that she does like the information and from a historical perspective it is helpful for her. Attorney Kolb suggested that it not be an item that is prepared every month, but one that is provided to the Board as necessary. The Board agreed.
- B. **President:** No report
- C. **Managers:** No report
- D. **Committees:** No report
- E. **Legal Counsel:** No report
- F. **Engineer:** No report

8. ADJOURN

President Shirk made a motion to adjourn. Manager Hartmann seconded the motion. The meeting was adjourned at 8:57 PM.

Dave Raby, Secretary

Attest:

Linda Loomis, Administrator

DRAFT

Item 4.B.
 LMRWD 5-16-18

BEGINNING BALANCE	31-Mar-18	\$ 1,192,132.95
ADD:		
General Fund Revenue:		<u>\$ -</u>
Total Revenue and Transfers In		\$ -
DEDUCT:		
Warrants:		
406017 Burns & McDonnell	February 2018 engineering services	\$ 9,723.13
406027 Frenette Legislative Advisors	Jan. Feb. & March 2018 lobbying	\$ 9,999.99
406048 Pace Analytical Services LLC	Chloride monitoring of Ike's Creek	\$ 100.00
406067 US Bank Equipment Finance	April & May copier rental	\$ 528.62
406379 Coalition for a Clean MN River	Sponsorship of MN River Congress	\$ 100.00
406401 Metro Conservation District	Sponsorship of Metro Children Wat.	\$ 1,650.00
406403 Metro Sales	Copier maintenance services	\$ 65.65
406417 Rinke Noonan Attorneys at Law	March legal services	\$ 3,722.50
406427 Steinkraus Development LLC	April & May office rent	\$ 1,300.00
100005375 Naiad Consulting LLC	February 2018 admin service & exp.	\$ 10,846.40
Total Warrants/Reductions		<u>\$ 38,036.29</u>
ENDING BALANCE	30-Apr-18	\$ 1,154,096.66

EXPENDITURES	2018 Budget	March Actual	YTD 2018	Over (Under) Budget
Administrative expenses	\$ 250,000.00	\$ 24,835.36	\$ 56,182.00	\$ (193,818.00)
Cooperative Projects				
Gully Erosion Contingency Fund	\$ -	\$ -	\$ -	\$ -
Ravine Stabilization at Seminary Fen in Chaska	\$ -	\$ -	\$ -	\$ -
Eden Prairie Bank Stabilization Area #3	\$ -	\$ -	\$ -	\$ -
Eagle Creek	\$ -	\$ -	\$ -	\$ -
USGS Sediment & Flow Monitoring	\$ 18,500.00	\$ -	\$ -	\$ (18,500.00)
509 Plan Budget				
<i>Resource Plan Implementation</i>				
Sustainable Lakes Management Plan (Trout Lakes)	\$ 50,000.00	\$ -	\$ -	\$ (50,000.00)
Geomorphic Assessments (Trout Streams)	\$ 50,000.00	\$ -	\$ -	\$ (50,000.00)
Paleolimnology Study (Floodplain Lakes)	\$ 50,000.00	\$ -	\$ -	\$ (50,000.00)
Fen Stewardship Program	\$ 75,000.00	\$ -	\$ -	\$ (75,000.00)
District Boundary Modification	\$ 10,000.00	\$ -	\$ -	\$ (10,000.00)
East Chaska Creek Treatment Wetland Project	\$ 10,000.00	\$ -	\$ -	\$ (10,000.00)
Minnesota River Sediment Reduction Strategy	\$ 25,000.00	\$ -	\$ -	\$ (25,000.00)
Seminary Fen - gap analysis	\$ -	\$ -	\$ -	\$ -
Data Assessments and Program Review	\$ -	\$ -	\$ -	\$ -
Dakota County groundwater modeling	\$ -	\$ -	\$ -	\$ -
Riley Creek Cooperative Project	\$ 50,000.00	\$ -	\$ -	\$ (50,000.00)
Local Water Management Plan reviews	\$ 12,000.00	\$ -	\$ -	\$ (12,000.00)
Project Reviews	\$ 16,000.00	\$ 137.50	\$ 481.25	\$ (15,518.75)
<i>Monitoring</i>	\$ 65,000.00	\$ 100.00	\$ 360.00	\$ (64,640.00)
<i>Monitoring Data Analysis</i>				\$ -
<i>Technical Assistance</i>				\$ -
<i>Watershed Management Plan</i>				\$ -
Plan Amendment	\$ 50,000.00	\$ 9,938.43	\$ 24,638.41	\$ (25,361.59)
Vegetation Management Standard/Plan	\$ -	\$ -	\$ -	\$ -
<i>Public Education/CAC/Outreach Program</i>	\$ 30,000.00	\$ 1,750.00	\$ 4,450.00	\$ (25,550.00)
<i>Cost Share Program</i>	\$ 20,000.00	\$ -	\$ -	\$ (20,000.00)
Savage Fen/Dakota Ave. Ravine Stabilization Project	\$ -	\$ -	\$ -	\$ -
Nine Foot Channel	\$ 50,000.00	\$ -	\$ -	\$ (50,000.00)
Dredge Site Improvements	\$ 240,000.00	\$ 1,275.00	\$ 2,057.50	\$ (237,942.50)
Total:	\$ 1,071,500.00	\$ 38,036.29	\$ 88,169.16	



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 5. A. Presentation by Kim Musser from Minnesota River Data Center at Mankato State University

Prepared By

Linda Loomis, Administrator

Summary

At the April meeting of the Board, Administrator Loomis asked Managers to consider whether or not state funding of the Minnesota River Basin Data Center should become part of the LMRWD legislative agenda. The Board asked if Kim Musser, executive director for the center would be willing to come to a Board meeting to make a presentation. Ms. Musser agreed and will be present at the May meeting

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, May 16, 2018

Agenda Item

Item 5. B. - Presentation by Ted Suss, Friends of the Minnesota Valley

Prepared By

Linda Loomis, Administrator

Summary

Ted Suss, Executive Director of Friends of the Minnesota Valley, will report on the 2017 county fair project to the Board. Managers may remember that the LMRWD agreed to participate in a project with Friends of the Minnesota Valley to attend county fairs within the Minnesota River basin to promote better water management. Mr. Suss will present a report on the project to the Board and answer any questions the Board may have

Attachments

No attachments

Recommended Action

Motion to receive and file report



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 5. C. - MN River Congress Request

Prepared By

Linda Loomis, Administrator

Summary

The Minnesota River Congress is approaching all of its partners in order to raise matching funds to obtain a grant from the McKnight Foundation. The Congress has received McKnight grants in the past, but has expressed concern that the Congress has not been able to get additional funds from other organizations.

The LMRWD has supported the River Congress since 2014. We have attended, presented and sponsored the Congress. LMRWD sponsorship has been \$100 for each Congress since the 4th Congress in July 2015. President Shirk was on the action board for a period of time and I have attended meetings of the action board occasionally. The LMRWD has had a table at the networking fairs that precede the Congress.

A proposal from the Congress to address how they might raise funds is attached. They are asking partners/sponsors to make a larger financial commitment.

Attachments

MN River Congress proposal

Recommended Action

No recommended action

Minnesota River Congress Funding Situation

Submitted by Ted L. Suss for January 17, 2018 Action Board Discussion

For each of the past three years, including the current year, the Friends of the Minnesota Valley has applied for and received a \$25,000 grant from the McKnight Foundation to partially support the Minnesota River Congress. The funds in addition to McKnight have mostly come in the form of in-kind contributions of time and expenses from the participants and partner organizations. Some funds have been raised through the sale of tickets and exhibit tables. However, those funds do not flow through Friends of the Minnesota Valley and thus do not show up as “other funds” to operate either the MRC or support of the friends.

When I applied for the second year of funding, the funding officer inquired about other financial support and our plans to make the MRC self-supporting in the future. This inquiring carried an implication that other funding would be desirable to McKnight.

Last year, when I applied for the third year of McKnight funding, the funding officer implied rather strongly that McKnight did not like to be the only funder of an organization or a major project. Based on my conversations from one year ago, I feel continued McKnight funding is unlikely unless we find supporting dollars. I can and will submit another application, but I feel it is somewhat wasted effort without changes in our fiscal operations.

I feel we would need to show revenues from MRC activities equal to the McKnight application amount.

One possibility would be to run all revenues and expenses from the congress meeting through Friends. I don't know how much this would be, but it would be a start.

Another possibility would be to solicit individual donations. If every Action Board member contributed \$100, we would have about \$3500. Maybe we could do that and then pay mileage for meeting attendance. One way to sell individual memberships would be to give each member two tickets to each of the two Congress meetings. If we sold 100 that would be \$10,000 and would increase our attendance at the congress meetings.

There must be close to 100 units of government in the Minnesota River Basin, I am talking counties cities, and perhaps watershed districts. If each paid between \$100 and \$500 at an average of \$200 that would be \$20,000, of course collecting from that many is unlikely.

There are a number of other groups, chambers of commerce, service organizations, corporations, community foundations that might contribute anywhere for \$100 to \$500.

Another possibility might be to ask each of our partner organizations to contribute \$250 in return for which they would get a free table at each of the two congress meetings and two free tickets to each congress. If this money was paid up front, we could have it in-hand at the time of the grant application. The money would be spent back on MRC activities.

The difficulty implementing any of these ideas is they take time and work. Not things I have to give.

Of course, there is always the chance we could find another foundation that might grant a larger amount. Quite frankly, If we had a \$10,000 grant from another source and \$10,000 of real money, not in-kind, from various sources. I think McKnight would be much more amendable to continued funding.

Another concern is being able to report real progress on our mission and goals to potential funders, including McKnight. Getting together for meetings is not high on a funder's criterial list unless getting together is to accomplish some meaningful goal.

Questions:

- 1) Can MRC continue to operate in a meaningful way without the McKnight funding
- 2) Can we put together a funding plan, ASAP, that has a realistic expectation of implementation?
- 3) Who is going to lead the fundraising effort



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 5. D. - 2017 monitoring presentation by Scott County SWCD

Prepared By

Linda Loomis, Administrator

Summary

Jon Utecht and Troy Kuphal will be at the May meeting to present the result of 2017 monitoring in Scott County and answer questions the Board may have. In addition, the agreement for monitoring in 2018 is attached. The agreement allows for additional monitoring, for chlorides or other pollutants that the LMRWD may want to monitor for. The agreement includes technical assistance for resident who live within the LMRWD. The technical assistance includes administering the cost share program for the District. Two cost share projects were completed.

The total cost to the LMRWD in 2017 for service provided by Scott SWCD totaled \$27,117.14 and breaks down as follows:

Well monitoring in Savage fen	\$2,166.00
Eagle Creek WOMP Station	\$10,025.06
Dean's Lake	\$3,369.5
Technical Assistance	\$2,692.08
Education and Outreach	\$4,083.50
Cost Share	\$2,950.00
Reporting & Administration	\$1,840.00
TOTAL:	27,117.14

The District receives reimbursement for monitoring of the WOMP monitoring expenses of \$5,000/year from Met Council.

Attachments

AGREEMENT BETWEEN THE LOWER MINNESOTA RIVER WATERSHED DISTRICT AND THE SCOTT SOIL AND WATER CONSERVATION DISTRICT FOR MONITORING, TECHNICAL, EDUCATION, AND OTHER CONSERVATION SERVICES

Recommended Action

Motion at accept agreement and authorize execution.

**AGREEMENT BETWEEN THE LOWER MINNESOTA RIVER WATERSHED DISTRICT
AND THE SCOTT SOIL AND WATER CONSERVATION DISTRICT FOR MONITORING,
TECHNICAL, EDUCATION, AND OTHER CONSERVATION SERVICES**

This Contract for Services (Contract) is made and entered into between the Lower Minnesota River Watershed District ("LMRWD"), a body corporate and politic, and the Scott Soil and Water Conservation District, an independent contractor ("Contractor" or "SSWCD").

WHEREAS, the LMRWD is in need of services from SSWCD as set forth in the Statement of Work, attached hereto as Attachment 1, and the SSWCD desires and is capable of providing such services.

NOW, THEREFORE, in consideration of the mutual promises and agreements contained herein the parties agree as follows:

1. TERM

This Contract shall be in effect as of January 1, 2018, notwithstanding the dates of the signatures of the parties, and shall continue through December 31, 2018, unless earlier terminated by law or according to the provisions herein.

2. CONTRACTOR'S OBLIGATIONS

The LMRWD hereby contracts with the SSWCD to provide services related to monitoring (water quality, thermal and well), technical assistance and cost share, education, and other engineering, technical and administrative services, as set forth in Attachment 1 - 2018 Statement of Work.

The Services shall commence immediately upon receipt of notice to proceed from the LMRWD Administrator, who will serve as the LMRWD's agent for such services and will administer this Contract.

3. PAYMENT

3.1 Invoicing. The SSWCD will invoice the LMWRD on a time and materials basis. The maximum amount for which the SSWCD may invoice the LMRWD under this Agreement shall be \$36,250, unless otherwise authorized in advance by the LMRWD Administrator. As set forth in Attachment 1, monitoring services shall not exceed \$20,200 if additional monitoring on Eagle Creek is not approved, or \$25,200 if additional monitoring on Eagle Creek is approved; landowner technical assistance and cost share shall not exceed \$6,200, education services shall not exceed \$4,100; and other technical and administrative services shall not exceed \$750. The SSWCD shall not invoice the LMRWD for any additional or other time or materials without prior authorization by the LMRWD Administrator.

3.2 Compensation. The SSWCD will invoice for services according to the following hourly rates:

Water Resources Technician; Resource Conservation Technician; Education Coordinator	\$57
Ecological Specialist	\$62
Resource Conservationist I; Engineering Technician; Finance and Accounting Specialist	\$67
Resource Conservationist II	\$72
District Manager	\$80

3.3 Time of Payment. The LMRWD shall make payment to SSWCD within sixty (60) days of the date on which an itemized invoice is received. If the invoice is incorrect, defective, or otherwise improper, the LMRWD will notify The SSWCD within ten (10) days of receiving the incorrect invoice. Upon receiving the corrected invoice from the SSWCD, the LMRWD will make payment within thirty-five (35) days.

3.4 Payment for Unauthorized Claims. The LMRWD may refuse to pay any claim that is not specifically authorized by this Contract. Payment of a claim shall not preclude the LMRWD from questioning the propriety of the claim. The LMRWD reserves the right to offset any overpayment or disallowance of claim by reducing future payments.

3.5 Payment Upon Early Termination. In the event this Contract is terminated before the completion of services, the LMRWD shall pay to the SSWCD, for services provided in a satisfactory manner, a sum based upon the actual time spent at the rates stated in paragraph 3.2. In no case shall such payment exceed the total contract price.

4. COMPLIANCE WITH LAWS/STANDARDS

4.1 General. Contractor shall abide by all Federal, State or local laws, statutes, ordinances, rules and regulations now in effect or hereinafter adopted pertaining to this Contract or to the facilities, programs and staff for which Contractor is responsible.

4.2 Minnesota Law to Govern. This Contract shall be governed by and construed in accordance with the substantive and procedural laws of the State of Minnesota, without giving effect to the principles of conflict of laws. All proceedings related to this Contract shall be venued in the State of Minnesota, County of Scott.

5. INDEPENDENT CONTRACTOR STATUS

The SSWCD is an independent contractor and nothing herein contained shall be construed to create the relationship of employer and employee between LMRWD and the SSWCD. The SSWCD shall at all times be free to exercise initiative, judgment and discretion as to how to best perform or provide services. The SSWCD shall have discretion as to working methods, hours and means of operation. The SSWCD acknowledges and agrees that the SSWCD is not entitled to receive any of the benefits received by LMRWD employees and is not eligible for workers' or unemployment compensation benefits. The SSWCD also acknowledges and agrees that no withholding or deduction for state or federal income taxes, FICA, FUTA, or otherwise, will be made from the payments due the SSWCD and that it is the SSWCD's sole obligation to comply with the applicable provisions of all federal and state tax laws.

6. SUBCONTRACTING

6.1 The parties shall not enter into any subcontract for the performance of the services contemplated under this Contract nor assign any interest in the Contract without prior written consent of all parties and subject to such conditions and provisions as are deemed necessary. The subcontracting or assigning party shall be responsible for the performance of its subcontractors or assignees unless otherwise agreed.

6.2 Any subcontractor approved by the LMRWD will be required to provide proof of insurance to the LMRWD in coverage and amount the same as the SSWCD. Prior to or concurrent with execution of this Contract, the SSWCD shall file certificates or certified copies of its subcontractor(s)' policies of insurance with the LMRWD. All fees for services and all job supervision will remain the obligation of the SSWCD.

6.3 The SSWCD agrees to pay any subcontractor within ten (10) days of the SSWCD's receipt of payment from the LMRWD for undisputed services provided by the subcontractor. The SSWCD agrees to pay interest of 1½ percent per month or any part of a month to the subcontractor on any undisputed amount not paid on time to the subcontractor. The minimum monthly interest penalty payment for an unpaid balance of \$100 or more is \$10.

7. INDEMNIFICATION

Each party to this Contract shall be liable for its own acts and the results thereof to the extent authorized by law and shall not be responsible for the acts of the other party, its officers, employees or agents. Each party hereby agrees to indemnify, hold harmless and defend the other, its officers, employees or agents, against any and all liability, loss, costs, damages, expenses, claims or actions, including attorney's fees which the other party, its officers, employees or agents, may sustain, incur or be required to pay, arising out of or by reason of any act or omission of the party, its officers, employees or agents, in the execution, performance, or failure to adequately perform its obligations pursuant to this Contract. Minn. Stat. Ch. 466 and other applicable laws shall govern the liability of the LMRWD.

8. INSURANCE

8.1 General Terms. At its own expense and in order to protect the SSWCD and to protect the LMRWD under the indemnity provisions set forth above, The SSWCD shall procure and maintain policies of insurance covering the term of this Contract, as set forth in the Insurance Terms, unless waived or amended by the LMRWD in writing.

8.2 Certificates. Prior to or concurrent with execution of this Contract, the SSWCD shall file certificates or certified copies of such policies of insurance with the LMRWD.

8.3 Failure to Provide Proof of Insurance. The LMRWD may withhold payments or immediately terminate this Contract for failure of the SSWCD to furnish proof of insurance coverage or to comply with the insurance requirements as stated above.

9. FORCE MAJEURE

Neither party shall be held responsible for delay or failure to perform when such delay or failure is due to any of the following unless the act or occurrence could have been foreseen and reasonable action could have been taken to prevent the delay or failure: fire, flood, epidemic, strikes, wars, acts of God, unusually severe weather, acts of public authorities, or delays or defaults caused by public carriers; provided the defaulting party gives notice as soon as possible to the other party of the inability to perform.

10. OWNERSHIP, COPYRIGHTS AND FUTURE USE OF WORK PRODUCT

Upon the completion of this Contract, all work product, data compilations, and materials of any kind, regardless of the format in which they exist will become the sole and exclusive property of the LMRWD. The SSWCD, at the request of the LMRWD, shall execute any necessary documents to transfer ownership rights to the LMRWD. Whenever any invention, improvement, or discovery (whether or not patentable) is made or conceived for the first time, actually or constructively reduced to practice by the SSWCD or its employees or agents in the course of or in connection with this Contract, the SSWCD shall immediately give the LMRWD's authorized representative written notice and complete information thereof.

In all publications or press releases or presentations to the public where data collected or compiled in the performance of this contract is disseminated. The SSWCD shall acknowledge funding by the LMRWD for all or part of the costs of making such information available to the public.

11. TERMINATION

Either party may terminate this Contract for cause by giving seven (7) days' written notice or without cause by giving thirty (30) days' written notice, of its intent to terminate, to the other party. Such notice to terminate for cause shall specify the circumstances warranting termination of the Contract. Cause shall mean a material breach of this Contract and any supplemental agreements or amendments thereto. This Contract may also be terminated by the LMRWD in the event of a default by the SSWCD. In the event this Contract is terminated for cause, the SSWCD shall be entitled to payment determined on a pro rata basis for work or services satisfactorily performed. Notice of Termination shall be made by certified mail or personal delivery to the authorized representative of the other party. Termination of this Contract shall not discharge any liability, responsibility or right of any party, which arises from the performance of or failure to adequately perform the terms of this Contract prior to the effective date of termination.

12. CONTRACT RIGHTS/REMEDIES

12.1 Rights Cumulative. All remedies available to either party under the terms of this Contract or by law are cumulative and may be exercised concurrently or separately, and the exercise of any one remedy shall not be deemed an election of such remedy to the exclusion of other remedies.

12.2 Waiver. Waiver for any default shall not be deemed to be a waiver of any subsequent default. Waiver of breach of any provision of this Contract shall not be construed to be modification for the terms of this Contract unless stated to be such in writing and signed by authorized representatives of the LMRWD and the SSWCD.

13. AUTHORIZED REPRESENTATIVES

The following named persons are designated the authorized representatives of parties for purposes of this Contract. These persons have authority to bind the party they represent and to consent to modifications and subcontracts, except that, as to the LMRWD, the authorized representative shall have only the authority specifically or generally granted by the Board. Notification required to be provided pursuant to this Contract shall be provided to the following named persons and addresses unless otherwise stated in this Contract, or in a modification of this Contract.

To the SSWCD:

Robert Casey, Chair
Scott Soil and Water Conservation District
7151 W. 190th Street, Suite 125
Jordan, MN 55352
Telephone: (952) 492-5425

To the LMRWD:

Yvonne Shirk, Chair
Lower Minnesota River Watershed District
112 E 5th Street
Chaska, MN. 55318
(952) 856-5880

14. LIAISON

To assist the parties in the day-to-day performance of this Contract and to define services, ensure compliance and provide ongoing consultation, a liaison shall be designated by the SSWCD and the LMRWD. The parties shall keep each other continually informed, in writing, of any change in the designated liaison. At the time of execution of this Contract, the following persons are the designated liaisons:

SSWCD Liaison:

Troy Kuphal, District Manager
Scott Soil and Water Conservation District
7151 W. 190th Street, Suite 125
Jordan, MN 55352
Telephone: (952) 492-5425

LMRWD Liaison:

Linda Loomis, Administrator,
Lower MN River Watershed District
6677 Olson Memorial Highway
Golden Valley, MN 55427
763-545-4659

15. MODIFICATIONS

Any alterations, variations, modifications, or waivers of the provisions of this Contract shall only be valid when they have been reduced to writing, signed by authorized representatives of the LMRWD and SSWCD.

16. SEVERABILITY

The provisions of this Contract shall be deemed severable. If any part of this Contract is rendered void, invalid, or unenforceable, such rendering shall not affect the validity and enforceability of the remainder of this Contract unless the part or parts which are void, invalid or otherwise unenforceable shall substantially impair the value of the entire Contract with respect to either party.

17. MERGER

17.1 Final Agreement. This Contract is the final expression of the agreement of the parties and the complete and exclusive statement of the terms agreed upon, and shall supersede all prior negotiations, understandings or agreements. There are no representations, warranties, or stipulations, either oral or written, not herein contained.

17.2 Attachments. Attachment 1 attached and incorporated herein by reference.

- Attachment 1 – 2018 STATEMENT OF WORK

IN WITNESS WHEREOF, the parties hereto have executed this Contract on the date(s) indicated below.

FOR LOWER MINNESOTA RIVER WATESHED DISTRICT

By: _____
Board Chair

Date: _____

FOR SCOTT SOIL AND WATER CONSERVATION DISTRICT

By: _____
Board Chair

Date: _____

ATTACHMENT 1: 2018 STATEMENT OF WORK

This Statement of Work (SOW) is made pursuant to and governed by the approved 2018 Contract for Services between Lower Minnesota Watershed District (“LMRWD”) and Scott Soil & Water Conservation District (SSWCD), and defines the specific monitoring, conservation education and technical assistance, and other technical and field support services the SWCD will perform for the LMRWD in connection with said Contract for Services.

Task I. Monitoring (\$25,200)

Scope of Work

The SSWCD will assist the LMRWD with planning and implementing its water quality, thermal and well monitoring programs.

A. Eagle Creek Water Quality and Flow Monitoring (\$7,600)

- Collect monthly base-flow samples and storm event composite samples
- Deliver samples to the MCES lab
- Maintain and calibrate sonde
- Collect flow measurements
- Log, process and complete QA/QC of data

B. Eagle Creek Thermal Monitoring (\$1,700)

- Collect data from loggers
- Data management and analysis
- Maintain sites and equipment

C. Eagle Creek – Additional Monitoring (\$5,000)

- TENTATIVE PARTNERSHIP PROJECT W/CITY OF SAVAGE
- Includes planning, equipment setup, sampling and analysis
- This activity is subject to and contingent upon separate authorization

D. Water Quality and Flow – Dean Lake (\$6,300)

- Collect monthly base-flow samples and storm event composite samples
- Deliver samples to the MCES lab
- Maintain and calibrate sonde
- Collect flow measurements
- Log, process and complete QA/QC of data

E. Well Monitoring (\$2,300)

- Collect depth-to-water readings monthly
- Enter data into DNR database
- Maintain sites and well monitoring equipment

F. Reporting (\$2,300)

- Prepare written annual data and analysis report for all monitoring
- Prepare and deliver summary presentation
- Prepare and present proposed work plan and budget for 2019

Task II. Technical Assistance and Cost Share (\$6,200)

Scope of Work

The SWCD will provide technical and cost share assistance to landowners within the DISTRICT in support of implementation of conservation behaviors and best management practices that reduce soil erosion, decrease runoff volume, and improve water quality. The SWCD will assist landowners who contact the SWCD directly or who are referred by the DISTRICT for conservation program information and/or technical assistance. Cost share may be provided for projects that meet eligibility and other relevant criteria in accordance with the SSWCD's cost share program policy docket, subject to available funding.

A. Technical Assistance (\$4,000)

- a) Project Scoping and Pre-Approval
 - Meet with landowners to clarify goals and interests
 - Conduct preliminary off- and/or on-site research
 - Determine project feasibility and eligibility
- b) Project Development
 - Complete technical assessment
 - Collect and submit soil samples for nutrient analysis, when applicable
 - Conduct topographic surveys if necessary
 - Meet with landowner to finalize decisions and secure commitments
 - Prepare technical and environmental assessments
 - Prepare concept plans and cost estimates
- c) Administrative Activities
 - Prepare and process contract applications, fact sheets, and payment vouchers
 - Prepare and send letters of decision (approval or denial)
 - Prepare and issue cost share checks, upon certified completion
 - Track and report budget activity
 - Project/file close out
- d) Design Activities
 - Conduct surveys
 - Prepare and review designs, specifications, and final cost estimates (or coordinate same if engineering services are outsourced)
 - Apply for/secure applicable permits
 - Prepare Operation and Maintenance agreements
 - If requested submit design packet to the DISTRICT for review prior to construction
- e) Construction Activities
 - Coordinate and lead pre-construction meetings
 - Stake projects
 - Inspect/supervise construction
 - Prepare as-built drawings
 - Provide construction certification
- f) Cost share
 - This is pass-through for landowners that install practices (\$2200)
 - Stake projects
 - Inspect/supervise construction
 - Prepare as-built drawings
 - Provide construction certification

B. Cost Share (\$2,200)

- a) This is pass-through to cooperators that install conservation practices
- b) Advance cost share application approval and final construction certification is required in accordance with SWCD cost share policies

Task III. Education and Outreach (\$4,100)

Scope of Work

The SWCD will provide various educational programming services, as described below.

A. Blue Thumb

The SWCD will plan, coordinate and host one Blue Thumb workshop

- Plan and prepare workshop details in coordination with the WMO, PLSLWD and Cities of Prior Lake and Savage
- Develop promotional and informational materials and resources
- Plan and implement media marketing/promotion plan
- Coordinate and manage registrations and venue set-up and take-down
- Prepare and present information
- Post-workshop review and follow up with landowners

B. SCWEP Activities

The SWCD will plan, coordinate and execute events and activities as identified in the 2017 Scott Clean Water Education Program (SCWEP) work plan. These services have multi-jurisdictional benefit and are supported by funding contributions by all SCWEP partners.

C. Other Education Activities

The SWCD will help provide support and assistance with other education efforts as may be requested by the District, including but not limited to developing education and promotion materials and assisting with special event planning and coordination.

Task IV. Other Services (\$750)

Scope of Work

The SWCD will provide the following and technical services on an as-needed basis:

- Provide consultation on activities related to soil and water resources within the LMRWD
- Conduct or assist with LMRWD compliance reviews
- Review development plans for compliance with LMRWD standards
- Conduct construction inspections and oversight to ensure compliance with LMRWD standards
- Assist with surveys, construction supervision, and/or project management for capital improvement projects
- Conduct or assist with inventory and/or mapping projects
- Assist with monitoring plan development
- Attend LMRWD-sponsored meetings, including but not limited to Board and TAC meetings
- Assist with development of plans, including but not limited to Comprehensive Water Resources Management Plan and TMDL Implementation Plans
- Assist with planning and development of LMRWD cost share program
- Other services as may be requested



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 5. E. - Corps of Engineers - Lower Minnesota River Watershed District Storage Assessment

Prepared By

Linda Loomis, Administrator

Summary

The Corps of Engineers informed the LMRWD that the Corps has an opportunity to get approval for an assessment that would look at issues on the Lower Minnesota River Basin. Nathan Campbell from the Corps asked if the Lower Minnesota River Watershed District would have an interest in such a study.

I asked him for more details and explained the LMRWD is concerned with sediment transport from the upper basin and tributaries and the impact the sediment has on the Lower MN River Valley.. Mr. Campbell said the Corps would like to be involved with a study like that. He explained that these types of projects generally require congressional approval however there is a mechanism built into the watershed assessment guidance that will allow for spin-off studies to take place in an area where a study authority is already present.

In this case the Minnesota River Basin assessment would qualify for that existing authority. In the final report for the Minnesota River Basin assessment, the Corps needs to identify potential "spin-offs". Mr. Campbell thinks that a flood risk assessment as a result of sedimentation would work really well as a spin-off. They could potentially receive funding next FY for it. There would be a 50/50 cost share requirement that could come in the form of work-in-kind. Cost share could come from state grants as well.

Mr. Campbell asked if it would be possible for the Watershed District to send a letter of interest for such a study. The letter of interest does not legally bind any one to anything; it just helps the Corps prioritize funding. If there is an interest and motivated sponsor, they are more likely to receive funding.

Mr. Campbell recommended that a letter of support should confirm that the watershed district would have a possible interest in pursuing the following:

- Impacts of sedimentation on flood risk in the Lower Minnesota River Watershed
- Assessment of water storage opportunities and benefits associated with water storage in the Minnesota river basin
- Study of how land-use changes may increase or decrease sediment delivery rates to the lower Minnesota river

He then provided explanations of two possible spin-off studies, which is attached. If the Board determines that it would benefit the LMRWD to participate we could also speak with the state agencies and urge participation.

Attachments

Spin off study explanations

Recommended Action

Motion to participate in spin-off study and direct preparation of a letter of interest

Spin-Off Study Explanations

Minnesota River Basin Assessment

5/10/2018

- 1) Analysis of how land-use changes may increase or decrease sediment delivery rates to the lower Minnesota River and an assessment of the ecological and economic impacts of sedimentation has on the Lower Minnesota River Watershed.

Sponsor: Lower Minnesota River Watershed District and Minnesota Pollution Control Agency

General Scope: This detailed look at sedimentation in the Lower Minnesota River Watershed will require monitoring, modeling, and analysis of sediment sources, sinks, and pathways in the watershed, a summary of how sources, sinks, and pathways may have changed over time, and estimates of the economic and ecological effects of sedimentation including:

- changes in stage-discharge relationships, which may affect flooding,
- effects on the cost to maintain a commercial navigation channel on the Minnesota River
- effects on the ecological conditions on the LMRW

Through these analyses a new baseline can be established and an understanding for how changes in land-use will alter that baseline in the Lower Minnesota River Watershed and create a new future condition.

Analysis needed to accomplish:

- Research available sediment rating relationships for tributaries
- Integrate the most simplistic sediment routing within existing HEC_RAS model from Mankato to the mouth.
- Link HSPF hydrograph outputs for existing condition 12-year simulations at tributary confluences and route for a baseline
 - Assess natural reaches of sediment sources and sinks
 - Compare to USGS monitoring data
- Use HECRAS+sediment to route another land use condition with the same period of record (12 years).

Budget: \$600,000 (50% non-fed/50% fed)

- 2) Assessment of water storage opportunities and benefits associated with water storage in the Minnesota River basin

Sponsor: Lower Minnesota River Watershed District and Board of Water and Soil Resources

General Scope: Utilize the Agricultural Conservation Planning Framework (ACPF) and the Prioritize, Target, and Measure Application (PTMApp) efforts going on in the basin to determine the flow reduction benefits received from placing storage measures in key locations throughout the basin.

This analysis will achieve a better understanding for the threshold for meaningful change realized in the basin and recommend specific levels of storage in the basin.

Analysis needed to accomplish:

- Hydro-corrected DEMs for the lower watershed where storage impacts are desired
- Run ACPF on priority sub-basins to determine where storage opportunities exist.
- Develop a detailed Hydrologic model if one doesn't exist.
- Run existing and storage scenario to determine how much discharges could be lowered for hypothetical rainfall events ranging from 10 year to 100 year events.
- Summarize the saturation of storage and the maximum change anticipated in the specific agroecoregion.

Time and Budget: \$600,000 (50% non-fed/50% fed)



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 5. F. - 2018 Cost Share Applications

Prepared By

Linda Loomis, Administrator

Summary

Three of the cost share applications received have come through the Dakota SWCD (the Burnsville applications). Each of these applicants attended a rain garden workshop provided by the Dakota SWCD. The LMRWD has an agreement with the Scott SWCD to fund rain garden workshops in Scott County and to provide technical assistance to residents who choose to install rain gardens after attending a workshop. Scott SWCD also administers the LMRWD cost share program in Scott County. Dakota SWCD is putting together a proposal to provide the same service for the LMRWD in Dakota County. It will come to the Board as amendment to the agreement already in place between the LMRWD and the Dakota SWCD, for monitoring.

i. City of Carver

The city of Carver has submitted an application for the LMRWD 2018 Cost Share Program. The plans include two sump manholes to the storm sewer draining downtown Carver. There is currently no treatment of downtown storm water. Downtown Carver drains directly to the Minnesota River. The City is requesting \$4,800 under the LMRWD 2018 Cost Share Program. Municipalities are allowed up to \$20,000 under the program.

Staff recommends approval of the application and would request the city to include SAFL Baffles or some other kind of in-line treatment. Pavement management in downtown Carver seems to be an ongoing project. Staff intends to speak to the city to ask if they have conducted a BMP retro-fit study of the downtown area. We will also request that the LMRWD be consulted on projects in the future, before they request money from the District.

i. 10831 Quebec Avenue South, Bloomington - Larson

This applicant is planning to install rain barrels and 40 evergreen arborvitae. The applicant states that the trees will help to reduce runoff and the rain barrels will reduce the need for irrigation. The trees will be planted along 109th Street in the backyard. The applicant is requesting \$1,374 for the project. Staff recommends approval of this project

ii. 3113 Chelsea Court, Burnsville - Zepeda

This project came through the Dakota SWCD. The applicant proposed to construct a rain garden. The requested amount of the cost share for the rain garden is \$353.63. Staff recommends approval of this project.

iii. 3100 Chelsea Court, Burnsville - Schwartz

This is another project that came through the Dakota SWCD. This project proposes to site a rain garden in the backyard of the home. This project is problematic, as the entire property is within the District's Steep Slope Overlay

District. I have spoken with the Dakota SWCD and they will be working with the home-owner to determine what the best project for this property might be. The amount requested for this project is \$263.00. Staff is not recommending approval of this project at this time, because of the steep slope and the threat posed by infiltrating water to the slope.

ii. **1437 Valley Drive, Burnsville - Glassen**

This project also came through the Dakota SWCD. The home owner proposes to construct a rain garden. A portion of this property is in the Steep Slope Overlay District. The SWCD is aware of this and will work with the home owner to determine the best location on the property for the rain garden. The total amount requested for this project is \$563.83. Staff recommends approval of this project and will work with the Dakota SWCD to make sure the rain garden is properly sited on the property.

The actual applications can be found through links on the website.

Attachments

2018 Cost Share Application - City of Carver
2018 Cost Share Application - 10831 Quebec Avenue South, Bloomington
2018 Cost Share Application
2018 Cost Share Application

Recommended Action

Motion to approve Cost Share applications and enter into grant agreements with applicants



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, May 16, 2018

Agenda Item

Item 6. A. - Hennepin County Landslide Inventory

Prepared By

Linda Loomis, Administrator

Summary

Freshwater Society is still working on finding funds for this project. They met with Riley/Purgatory/Bluff Creek and Minnehaha Watershed Districts. RPBCWD thought the project had merit, but wanted to know if Carver County could be included in the project and what it would cost to include Carver County. Minnehaha Creek WD wanted to take the decision to its Board. The Mississippi Water Management Organization wants to know if Anoka County could be included and what that would cost.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 6. B. - Metro-area Watershed Base Funding Pilot Program

Prepared By

Linda Loomis, Administrator

Summary

The plans from each county are beginning to be finalized. Managers had asked to see each County's plan before submittal to BWSR. The plans for Carver and Dakota are set and spreadsheets have been developed for project to be implemented with the funds. Scott County has not yet developed its spreadsheet, but all parties have agreed to the projects. The next meeting for Hennepin County is scheduled for May 16th. All projects will require a local match of at least 10%. Details for each county follow:

Carver: Carver is ready to go. LMRWD's allocation in Carver County will be \$25,472. I met with the City of Chaska on April 26 and if the East Chaska Creek project is not viable, then back-up projects that are in the City of Chaska's CIP for Assumption Creek and Seminary Fen would be substituted. That will be added to the spread sheet Carver is submitting to BWSR, which is attached. All the parties agreed that each WD would apply for its own grants through BWSR and track the project through BWSR's e-link.

Managers had asked about the cost of the East Chaska Creek project at the last board meeting. The estimated cost in the feasibility report is \$168,500. A table and map from the city about the back-up projects is attached.

Dakota: Dakota County is finalizing the spreadsheet. the most recent version is attached. LMRWD's allocation in Dakota County is \$65,450. The LMRWD will continue the Dakota County groundwater/fen stewardship assessment.

Hennepin: Nothing definite has been decided in Hennepin County, other than the Watershed Management Organizations in the Minnesota River Basin have agreed to pool all funds allocated to them and dedicate it to Chloride management. A cost share program would be developed that could be used to update equipment. This would be in addition to whatever is decided to do county-wise with respect to Chloride.

Scott: Scott County has not yet developed a spreadsheet, but the projects have been agreed to. Scott County had decided to spend \$150,000 of its allocation on a larger, perhaps county-wide project. That project will be a Chloride project in two parts. Part one would spend \$50,000 to \$60,000 to assess Chloride use county-wide and assist municipal public works with implementing BMPs. Part two would expand education and outreach efforts for Chlorides and bacteria.

LMRWD's allocation in Scott County is \$146,550. The LMRWD is proposing to assist the city of Savage with a feasibility study of Schroeder Park in the Eagle Creek watershed. Stormwater ponds in Schroeder Park drain to Eagle Creek and may be contributing to the temperature increase in the Creek. The feasibility report would look at alternative treatment

methods or improvements to the stormwater ponds that will improve the quality of stormwater that reaches the Creek. The estimate cost of the feasibility report is between \$50,000 and \$60,000.

A second project would be with the City of Shakopee that has several projects they asked to be considered. The project with a timeline that would fit the parameters of the pilot program is on the Prior Lake Outlet Channel (PLOC) upstream of Dean's Lake. This project would create new and restore existing wetlands, increase storage, create habitat and establish meanders on the outlet channel to reduce TSS and flow. The estimated total cost of this project is \$800,000. Prior Lake/Spring Lake WD might be a possible partner since it is a project on the PLOC

A back-up project would be a targeted BMP study of downtown Shakopee. The estimated cost of this project is \$25,000. In addition Shakopee has identified three regional stormwater facilities that could be funded if funds are available. The Scott WMO may partner on regional stormwater facilities.

Attachments

Carver County project spreadsheet
Chaska project table and map
Dakota County project spreadsheet
Schroeder park proposal
Shakopee proposal

Recommended Action

Motion to approve submittal of recommended projects to BWSR

Carver County Collaborative Project List

Responsible Party/Agency	Name of Activity/Project/Program	Description of Activity/Project/Program	Plan reference	Water Resource(s)	Timeframe for implementation	Grant funds requested	Local match (min. 10%)	Total project cost	Measurable Outcomes	Other Notes (if needed)
CCWMO	Lake Waconia Stormwater Main Retrofits	The proposed project will include a series of stormwater main retrofits that ultimately outlet directly to Lake Waconia. Specifically, four outlet pipes will be retrofitted and equipped with SAFL Baffles. Currently, these outlets discharge untreated stormwater runoff from nearly ten acres from downtown Waconia directly to the lake.	CCWMO Plan: Table 4.3 CCWMO Projects, p. 4.22.	Lake Waconia is considered to be a high priority protection lake by the CCWMO. Carver Creek flows through Lake Waconia, which has downstream AUID segments that are impaired for river eutrophication	2019	\$90,000.00	\$22,500.00	\$112,500.00	Project will provide TP load removal of 24.97 lbs/yr that is currently entering the lake. In addition, the retrofits will decrease the annual Total Suspended Solid (TSS) load entering the lake by 7,134 lbs/yr.	Ten-year TP average analysis suggests Lake Waconia is on the fringe of impairment, averaging just below the 40ug/L threshold over that period. CCWMO considers Waconia to be a high priority protection lake.
CCWMO	Grace Chain of Lakes Subwatershed Analysis Implementation	This project will help improve the water quality of these lakes through a series of BMPs that have been identified in the "Grace Lake Chain Subwatershed: Stormwater Retrofit Analysis" (2014). Water quality improvements will be achieved by the reduction in total phosphorus, total suspended solids, and total surface volume discharging to the Chain of Lakes. This proposal will fund a total of 11 specific BMPs, including 8 SAFL Baffles, 3 pond modifications - 2 with iron enhanced sand filters.	CCWMO Plan: Table 4.3 CCWMO Projects, p. 4.28; City of Chaska Water Plan: Section 4.8.1 (pgs 66-67) and 6.8 (pg 109)	Lake Grace (AUID 10-0218), Jonathan (AUID 10-0217), and Hazeltine (AUID 10-0014) are 303d listed for 'Nutrient Eutrophication Biological Indicators' Pollutant and Stressor. They discharge into East Chaska Creek, which is listed as impaired for 'Turbidity', 'Fish Bioassessments', and 'Fecal coliform'.	2019-2020	\$150,000.00	\$37,500.00	\$187,500.00	Because the sub-watershed analysis has been completed, these projects are Prioritized, Targeted, and Measurable. The SAFL Baffles will reduce phosphorus loading by 12 pounds annually and additional modeling and/or field samples will be needed to quantify the reductions of the pond modifications and sand iron filters.	
CCWMO	West Chaska Creek Restoration Re-Meander	The project will re-meander approximately 1,100 linear feet of a ditched segment of West Chaska Creek. Lengthening the channel will reduce water speeds, lower shear stress on the banks, reconnect the stream to its floodplain, and reduce the amount of sediment transported downstream. Based on upstream reference reaches and changes observed since the stream was straightened, the re-meander project will reduce total suspended solids by an estimated 4,400 pounds per year.	CCWMO Plan: Table 4.3 CCWMO Projects, p. 4.26; City of Chaska Water Plan: Section 4.7 (pgs 62-63) and 6.8 (pg 109, 114-115)	West Chaska Creek (AUID 07020012-802) is near the threshold for turbidity impairment. This section of stream is also a contributor of excess sediments to the Lower Minnesota River (AUID 07020012-505) which is on the 303d Impairment list for turbidity.	2019-2020	\$150,000.00	\$37,500.00	\$187,500.00	Based on upstream reference reaches and changes observed since the stream was straightened, the re-meander project will reduce total suspended solids by an estimated 4,400 pounds per year.	Re-meandering the stream will increase its length, reduce shear stress on stream banks, reduce sedimentation and decrease the number of bank failures. The stream will be reconnected to its floodplain, allowing more sediment to drop out of the water column as flow rates are decreased in the floodplain.
CCWMO	Lake Bavaria South Shore BMP Retrofits	The proposed project will include projects in two locations along Rhoey Ave with a total of 5 BMPs, ultimately protecting Lake Bavaria (MN DNR ID# 10001900) from further eutrophication, and to enhance shoreline/upland habitat. Untreated stormwater runoff entering Lake Bavaria has been identified as the primary threat to its continued eutrophication. The Carver County Water Management Organization (CCWMO) has identified five potential BMP retrofits that include new sumps with SAFL Baffles and biofiltration basins.	CCWMO Plan: Table 4.3 CCWMO Projects, p. 4.28; City of Chaska Surface Water Management Plan: Section 6.8 (pg 105).	Lake Bavaria (MN DNR ID #10001900) is classified as a deep lake located in the eastern portion of Carver County. Ten-year TP average analysis suggests Lake Bavaria is on the fringe of impairment. CCWMO considers Bavaria to be a high priority protection lake.	2018-2020	\$47,979.00	\$12,500.00	\$60,479.00	Estimates of existing conditions show that roughly 8000 pounds of sediment and 32 pounds of phosphorus discharge untreated to Lake Bavaria. This project will reduce this by roughly 1000 pounds of sediment and 3 pounds of phosphorus a year.	
CCWMO	Lake Bavaria Stormwater Pond Retrofits	The proposed project will include retrofits of a series of two stormwater ponds (on City of Victoria property) that outlet directly to Lake Bavaria. The ponds were designed to NURP standards, and the proposed project will add sand/iron filtration trenches. The ponds together receive stormwater runoff from a drainage area of 100 acres. Monitoring data collected at the pond series outlet entering Lake Bavaria has shown Total Phosphorus (TP) concentrations nearing 200ug/L.	CCWMO Plan: Table 4.3 CCWMO Projects, p. 4.29; City of Chaska Water Plan: Section 6.8 (pg 105)	Lake Bavaria (MN DNR ID #10001900) is classified as a deep lake located in the eastern portion of Carver County. Ten-year TP average analysis suggests Lake Bavaria is on the fringe of impairment. CCWMO considers Bavaria to be a high priority protection lake.	2019-2020	\$80,000.00	\$20,000.00	\$100,000.00	Retrofitting two of these stormwater ponds with 600 linear feet of sand-iron filtration trenches will provide an annual TP load removal of 19.42 pounds currently entering Lake Bavaria. In addition, the retrofits will decrease the annual Total Suspended Solid (TSS) load entering the lake by 100 lbs	A pollutant (TP) reduction goal has not been established for Lake Bavaria, as it has not necessitated a restoration plan due to its currently meeting state water quality standards. The ten-year TP average however is just under the 40ug/L threshold.
MCWD	Wassermann West Restoration	Lake Wassermann is an impaired waterbody requiring substantial internal and watershed load control. This project will address a hot spot of phosphorus export, a 6 acre pond adjacent to the Lake on a property owned by the District, through alum treatment, as well as ravine stabilization south of property in a degraded channel.	"Wassermann West External Load Reduction and Landscape Restoration" MCWD 2017 WMP, pg. 560	Lake Wassermann; Wassermann West Wetland	first treatment 2018; Monitoring 2019; second treatment 2020	\$93,879.00	\$11,821.00	\$105,700.00	35 lbs P/year	streambank stabilization design to determine phosphorus reduction from erosion mgmt
LMRWd	East Chaska Creek Restoration Project	Channel Stabilizations/Constructed wetland along Chaska Blvd.	Part of Implementation plan contained in the Strategic Resource Inventory	East Chaska Creek/Minnesota River	2018/2019	\$25,472.00	\$143,028.00	\$168,500.00	Address various impairments on the Creek/Mitigate sediment transport to MN River	A Feasibility Study for East Chaska Creek was performed as part of the District's SRE in 2012 (Appendix B). Reaches of the stream were actively eroding or had outside bend erosion during a field visit conducted on August 28, 2012. Recommended that localized problems at outfalls and crossings be addressed with grade control structures and bank stabilization measures.
RPBCWD	Wetland restoration and Flood Mitigation Project	Restore 7 acres of wetlands and enhance remainder of wetland.	Section 6.2 (2018), Section 9.2 (2018)	Bluff Creek Watershed	2018-2021	\$111,870.00	\$350,000.00	\$461,870.00	Remove 3 properties from flood zone, restore 7 acres of wetlands, connect public with resource, reduce volume, rate, pollution loads to Bluff Creek	City of Chanhassen is a partner for this project. CCSWCD is a partner on this project.
Totals:						\$749,200.00	\$634,849.00	\$1,384,049.00		

(BACK-UP) Carver County Collaborative Project List

Responsible Party/Agency	Name of Activity/Project/Program	Description of Activity/Project/Program	Plan reference	Water Resource(s)	Timeframe for implementation	Grant funds requested	Local match (min. 10%)	Total project cost	Measurable Outcomes	Other Notes (if needed)
CCWMO (Back-up)	Implementation of Lake Waconia Subwatershed Assessment	Identify and implement strategies identified in the Lake Waconia Sub-Watershed Analysis Feasibility Study to preserve and protect the quality of Lake Waconia. These strategies will help the CCWMO meet the goal of maintaining or improving the condition of surface water resources in the lakeshed.	CCWMO Project #7 (Table 4-3)	Lake Waconia	2019-2020	\$100,000.00	\$25,000.00	\$125,000.00	Total project costs will allow for the installation of 36 practices as outlined in the Lake Waconia SWA, resulting in a total reduction of 705 pounds of phosphorous	
CCWMO (Back-up)	Carver Creek Dahlgren Township Gully Stabilization	Carver Creek Gully Blowout. Stabilize a large gully on Carver Creek in Section 26, Dahlgren Township.	CCWMO Project #22 (Table 4-3)	Carver Creek	2019-2020	\$30,000.00	\$10,000.00	\$40,000.00	Repairing a gully forming along a bluff next to Carver Creek will reduce the amount of total suspended solids by 566 tons.	
CCWMO (Back-up)	Feasibility and Implementation of Internal Load Reductions on Hazeltine Lake	Implement methods to reduce internal loads and improve water quality in Hazeltine Lake as identified in the Feasibility Study.	CCWMO Project #16 (Table 4-3)	Hazeltine Lake	2019-2020	\$100,000.00	\$25,000.00	\$125,000.00	Hazeltine Lake has a high internal load impacting water quality, this project will try to help the lake reach the TMDL Goal of a 100% reduction of internal loading. Exact reductions will be outlined in the feasibility study done for this project.	
CCWMO (Back-up)	Silver Creek Streambank Stabilization	Collaborate with willing Landowners and Carver County SWCD to address bank failure along Silver Creek.	To be included in updated Carver County Water Plan	Silver Creek	2019-2020	\$100,000.00	\$25,000.00	\$125,000.00	Exact reductions have not been modeled and will be estimated when project locations have been identified.	
LMRWD (Back-up)	Seminary Fen Restoration and Ravine stabilization	Collaborate with the city of Chaska to acquire 3.61 acres of wetland for protection and restoration, disable wetland drainage system and restoring vegetation. Stabilize ravines that are discharging sediment into fen complex	Seminary Fen Restoration and Ravine Stabilization at Seminary Fen are in the LMRWD CIP	Seminary Fen	2019-2020	\$25,472.00	\$384,528.00	\$410,000.00	Property acquisition would enable removal of invasive species that threaten previously restored areas of Seminary fen. Removal of drainage system would restore hydrology and may have secondary benefit of reducing the flashy flows to Assumption Creek, a designated trout water. Ravine stabilization would address active erosion and reduce sediment load to the Seminary fen wetland complex.	1) Purchase of property at Engler and Audubon, design and construction = \$75,000; 2) Restore a 17 acre swath of wetland from Falls Curve Road to Old Highway 12 = \$75,000; 3) Area C-2 Ravine study = \$30,000; Design/Construction = \$75,000 - \$100,000; 4) Area C-3 Ravine study = \$30,000; Design/Construction = \$75,000 - \$100,000
MCWD (Back-up)	East Auburn Wetland Restoration	East Auburn is an impaired waterbody requiring a total reduction of 626 lbs phosphorus, 410 of which are from watershed sources. This project will include feasibility, restoration design, and implementation of one (1) wetland restoration targeting nutrient reduction.	"East Auburn Wetland Restoration" MCWD 2017 WMP, pg. 563	East Auburn Lake and tributary wetland complexes	Feasibility 2019; Design construction 2020-2021	\$93,879	\$456,121.00	\$550,000.00	TBD via feasibility. Total load reduction target across three wetlands is approx. 410 lbs/year	Costs are approximate pending feasibility in 2019. Total cost includes: Feasibility: \$50,000; Design: \$100,000; Construction: \$400,000
RPBCWD (Back-up)	Upper Riley Creek Stabilization	Stabilize upper Riley Creek	Section 8.2 (2018), Section 9.2 (2018)	Riley Creek Watershed	2018-2021	\$111,870.00	\$1,625,000.00	\$1,736,870.00	Stabilize streambank which would reduce in sediment and nutrient load reductions into Lake Susan and the lower half of the Riley Creek Watershed, restore habitat, educate the public.	City of Chanhassen is a partner for this project. CCSWCD is a partner on this project.
Totals:						\$561,221.00	\$2,550,649.00	\$3,111,870.00		

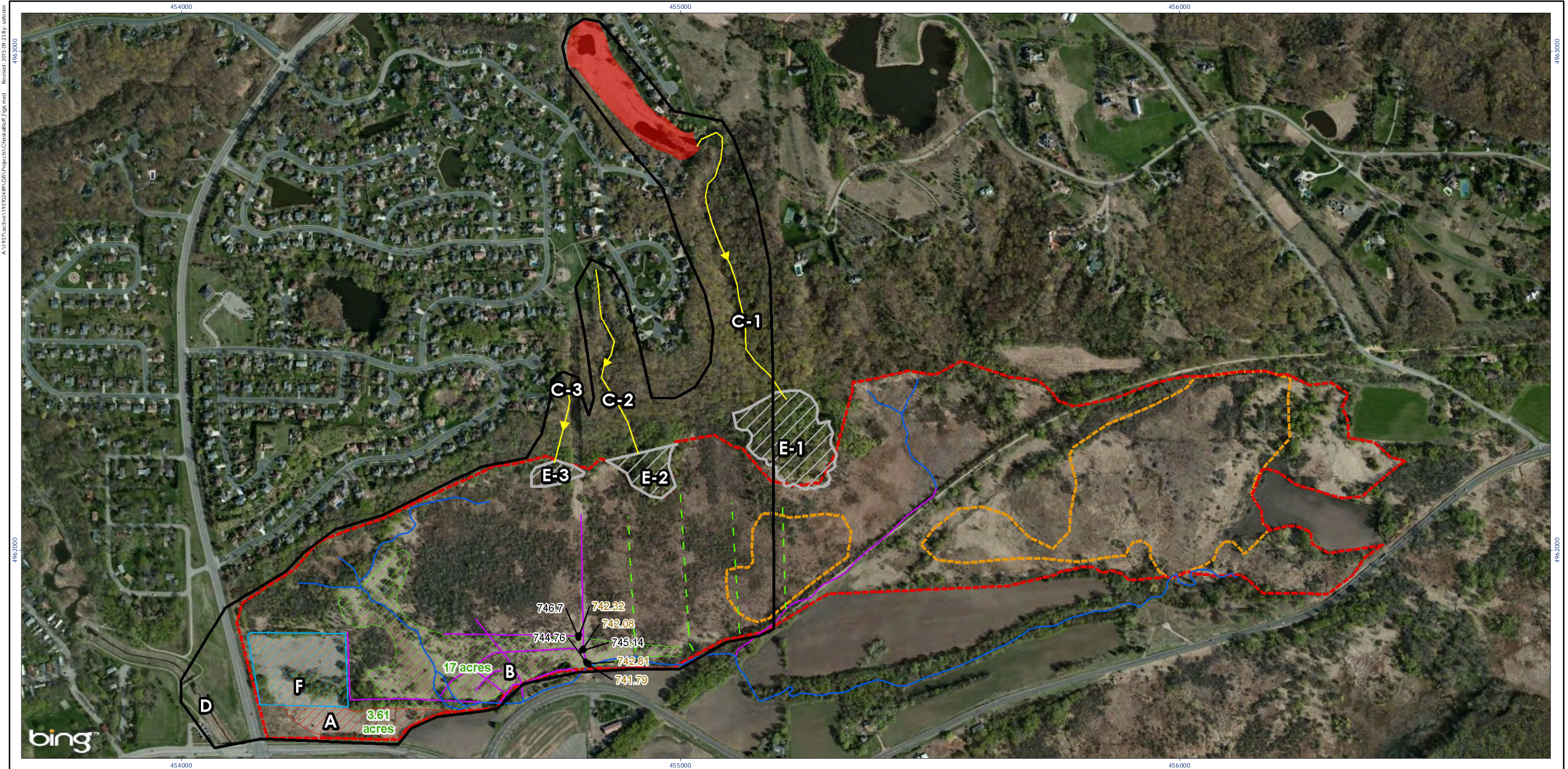
CITY OF CHASKA COMPREHENSIVE PROJECT LIST FOR FINANCIAL ASSISTANCE FROM THE LOWER MN WATERSHED DISTRICT

Map ID*	Project Name	Description	Ranking, Comments	Requested Amount from Lower MN (Schedule)
A	<p>Seminary Fen Restoration Site A</p> <p>Property Purchase and Wetland Restoration (Alternative Options - Easement or Agreement with property owner to restore wetland)</p>	<p>It is recommended that the 3.61 acres of wetland that exist at the intersection of Engler and Audubon are purchased and restored. As an option to purchase easements could be obtained from property owner (First Minnetonka Bank) to allow it to be restored. This is the only privately owned portion of the Seminary Fen Wetland Complex that remains. The site is next to a 6 acre wetland restoration that was completed by the City of Chaska in partnership with the MNDNR. The area that requires restoration is dominated by reed canary grass and thus offers the greatest threat to the rare plants of the Seminary Fen Wetland Community.</p>	<p>High – This ranks as a high priority action because without invasive species control at this location, other efforts to restore vegetation in the wetland will continue to be threatened in the future by the source of reed canary grass at this site. It provides an immediate threat to the wetland restored by the City in 2013 (see location on attached map).</p>	<p>\$75,000 Purchase, Design and Construction (2017 – 2020 dependent on other funding)</p>
B	<p>Seminary Fen Restoration Site B</p>	<p>From Falls Curve Road to Old Highway 12 there is a 17-acre swath of wetland that is predominantly reed canary grass. This appears to be the only area north of the trail that still has a functioning drainage</p>	<p>High – This ranks as a high priority project because the reed canary grass of this area provides the greatest threat to the adjacent unique plant community of the Seminary Fen</p>	<p>\$75,000 Design and Construction (2017 – 2027 date dependent on other funding)</p>

		system within the wetland that is partially draining the wetland complex. Wetland restoration would involve disabling the drainage system and restoring vegetation.	Wetland complex. Ditch blocking will help to restore the hydrology of the wetland and may also have a secondary benefit of reducing the flashy flows to Assumption Creek.	
C-2 and C-3	Seminary Fen Ravines Site C-2 and C-3 Studies	Seminary Fen Ravine Sites C-2 and C-3 on the attached exhibit are actively discharging sediment into the Seminary Fen Wetland Complex. It is recommended that a ravine study be conducted to estimate sediment contribution to the Seminary Fen, provide approaches and cost estimates for correcting the erosion problems, and identify potential funding sources. This information will be utilized to help secure future grants. Priorities of ravine stabilization efforts along the bluff could also result from the study.	C-2, High – This ranks as high because this ravine is actively eroding and contributing sediment loads to the seminary fen wetland complex. C-3, Moderate/High – A review of this ravine and stabilization options should be after C-2 is completed. This site is contributing less sediment to the seminary fen wetland complex than C-2, but still is a contributor.	C-2 Ravine Study: \$30,000 (2017 – 2027 dependent on funding) C-3 Ravine Study: \$30,000 (2017 – 2027 dependent on funding)
C-2 and C-3	Seminary Fen Ravines Site C-2 and C-3 Design and Construction	Ravine Sites C-2 and C-3 on the attached exhibit are actively discharging sediment into the Seminary Fen Wetland Complex. This project will involve completing the final design and construction of these projects.	C-2, High – This ranks as high because this ravine is actively eroding and contributing sediment loads to the wetland. C-3, Moderate/High – Secondary to C-2 due to reduced sediment loads.	C-2 Design/Construction: \$75,000 - \$100,000 (2019 – 2027 dependent on funding) C-3 Design/Construction: \$75,000 - \$100,000 (2019 – 2027 dependent on funding)

D	Assumption Creek Hydrology Restoration Study	It is believed that Assumption Creek at one time had more flow than it currently has today. Assumption Creek is a trout stream, and groundwater discharge is important to maintain temperatures for the trout. It has been reported that portions of the creek dry out periodically. It is unknown exactly what may have reduced the hydrology. It may have been the U.S. Army Corps of Engineers Channel, historic creek rerouting for the brick factory, road construction, or other development impacts. It is recommended that a study be conducted to look at opportunities to resupply groundwater hydrology to the creek.	Moderate – This is moderate priority because the hydrology alteration has already occurred, and there is no immediate threat to additional loss of hydrology to the creek.	Assumption Creek Hydrology Restoration Study: \$30,000 (2019 – 2027 depending on funding)

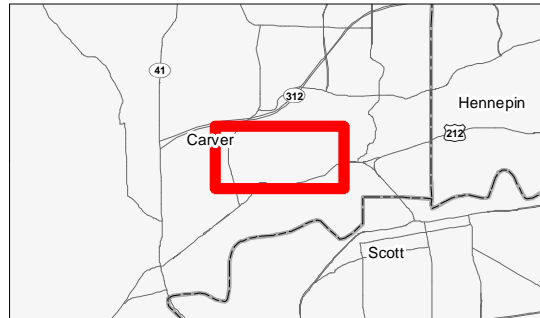
* Map ID numbers refer to Attached Figure



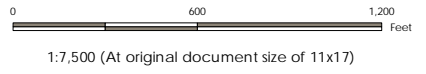
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- Legend**
- Project Site
 - Seminary Fen Wetland Complex (B)
 - Calcareous Fen (Southeastern)
 - Sedimentation Plumes (E-1, E-2, E-3)
 - Barr Restoration and Management Data
 - Natural Drainageway
 - Potential Tile (No tile observed)
 - Surface Ditch
 - 745.14 Ditch Top Elevations
 - 742.32 Ditch Bottom Elevations
 - 2013 Wetland Restored (F)
 - Seminary Fen Restoration Site A - Wetland Purchase and Restoration
 - Seminary Fen Restoration Site B - Wetland Restoration
 - Hazeltine Bluff Wetland
 - Seminary Fen Ravines (C-1(completed), C-2, C-3)



Notes
 1. Coordinate System: NAD 1983 UTM Zone 15N
 2. Data Sources Include: Stantec, USGS, and ESRI
 3. Orthophotography: Microsoft Corporation, with permission

Figure No. **1**
 Title **City of Chaska Project Map for Lower Minnesota Watershed District**
 Client/Project **City of Chaska**
 Project Location **193702489**
 T116, R23, S34
 C. of Chaska
 Carver Co., MN
 Prepared by CS on 2015-03-05
 Technical Review by JS on 2015-09-18



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Dakota Collaborative Implementation Plan - Project List

Major Watershed	Entity	Name of Activity (List in order of Priority)	Description of Activity	Plan Reference(s)	Targeted Water Resource(s)	Timeframe For Implementation	Grant Funds Requested	Local Match Amount (Minimum 10%)	Total Project Cost	Preferred Fiscal Agent (Grantee)	Preferred Grant Reporting (Admin)	Measurable Outcomes	Comments
Cannon R (54)	North Cannon WMO	Structural Erosion Control Practices	Funds will be prioritized for projects in areas where a Subwatershed Analysis(SWA) is complete. Projects will be marketed to landowners and ranked according to their cost to benefit ratio. Projects will be implemented through Dakota SWCD Incentives Payment Practices Program.	North Cannon River Watershed Management Organization - Watershed Management Plan (November 2013) <i>Surface Water Quality Goal 5.1, Strategy 5</i>	Subwatersheds of Pine Creek, Trout Brook and North Byllesby Drainage areas.	2018 - 2020	\$46,000	\$4,600	\$50,600	North Cannon WMO	North Cannon WMO	Cost-pollutant reduction ratio is established in each SWA. Final pollutant reductions calculated per project implemented.	
Cannon R (54)	North Cannon WMO	Non-Structural Erosion Control Practices	Funds will be implemented and prioritized through the SWCD non-structural practices program application process. Ranking includes priority based on location (i.e. groundwater susceptibility) and project details (i.e. other pollutant concerns addressed).	North Cannon River Watershed Management Organization - Watershed Management Plan (November 2013) <i>Surface Water Quality Goal 5.1, Strategy 6</i>	Watershed wide	2018 - 2021	\$40,000	\$4,000	\$44,000	North Cannon WMO	North Cannon WMO	Number of acres implemented as well as pollutant reductions calculated per project.	
Cannon R (54)	North Cannon WMO	Subwatershed Analysis	Complete a subwatershed analysis. Activities include preliminary desktop mapping, landowner outreach, field reconnaissance, pollutant calculations, priority practice ranking and a final report.	North Cannon River Watershed Management Organization - Watershed Management Plan (November 2013) <i>Surface Water Quality Goal 5.1, Strategy 4</i>	North Chub Creek	2018 - 2021	\$35,000	\$3,500	\$38,500	North Cannon WMO	North Cannon WMO	Final report that provides a prioritized list of projects with measureable pollutant reductions.	
Cannon R (54)	North Cannon WMO	Drainage Water Management Outreach	Provide education and outreach on suitable drainage water management(DWM) practices in the NCRWMO area. Activities may include but are not limited to partnering with other agencies or non-profits, hosting field days, installing demonstration sites and creating outreach materials.	North Cannon River Watershed Management Organization - Watershed Management Plan (November 2013) <i>Surface Water Quality Goal 5.2, Strategy 4</i>	Watershed wide with priority on the subwatershed of Chub Creek.	2018 -2021	\$15,520	\$1,552	\$17,072	North Cannon WMO	North Cannon WMO	Number of landowners and operators reached and number of DWM projects initiated as a result of outreach.	
Minn R - East Lower (56)	Black Dog WMO	Apple Valley KL-10 (Redwood Pond) Dakota County Fen Study/Management Plan	Expand existing pond and modify outlet to provide additional water quality treatment	Item #25 in Table 5-1 (implementation plan): implement recommended watershed projects to reduce runoff-borne phosphorus loads, as identified in the TMDL	Keller Lake	2020	\$114,890	\$165,110	\$280,000	Black Dog WMO	Black Dog WMO	Reduce total phosphorus loading to Keller Lake by 10.8 lbs/year	
Minn R - East Lower (56)	Lower MN WD		The purpose of the groundwater and fen evaluation is to develop a comprehensive groundwater model from existing data sets to evaluate long-term trends that can be used as a tool for planning development in the District.	LMRWD Plan Section 1.6.4-Fens; Section2.4.6 - Issue 6-Groundwater; Strategy 2.2.1-Watershed Management Standards-Water Appropriation Standard: Section 3.4, Goal 3-Groundwater Management to Protect and Promote Groundwater Quality and Quantity; Section 4.3.5-Monitoring;	Dakota County Fens - Fort Snelling, Nichols, Quarry Island & Black Dog	2018/2019	\$65,450	\$54,550	\$120,000	Lower MN WD	Lower MN WD	The measurable outcome would be a model that could be used to determine impacts of proposed groundwater appropriation within fens subwatershed	Since 2007, District has monitored fen wells in cooperation with Dakota County SWCD. Monitoring has indicated declining water levels in at least one fen, Quarry Island Fen. This project was the LMRWD first looked at in 2015. When the District conducted a Groundwater and Fen Evaluation. Since receipt of the final report dated December 2015, the District has engaged the MN DNR to develop a strategy to define the approximate horizontal extent of the recharge zones for each of the four fens and provide a method of identifying proposed groundwater withdrawals that could induce a one foot or greater decline in the hydrologic head at one or more of the four fens.
Minn R - East Lower (56)	Eagan IGH WMO	LeMay Lake TMDL Improvement Project	Iron enhanced filtration system at City Pond DP-3 to reduce external TP to LeMay Lake.	Eagan Neighborhood Lakes TMDL and Management Plans Report (Wenck 2015), E-IGHWMO Watershed Management Plan (June 2016) Goal B.1 and Section 5.1.4 Capital Improvement Projects-Lake TMDLs Load Reduction Projects	LeMay Lake (DNR#19-005500)	Apr.-Oct. 2019	\$31,040	\$558,960	\$590,000	Eagan IGH WMO	Eagan IGH WMO	Modeled reduction: 28.0 lbs external TP/yr. (est.)	
Minn R - East Lower (56)	Eagan IGH WMO	Holland Lake Channel Stabilization	Repair an approximately 75ft length, 5ft wide and 4ft deep gully that drains to Holland Lake.	Lebanon Hills Regional Park Subwatershed Assessment Report (Wenck 2017) and E-IGHWMO Watershed Management Plan (June 2016) Goal B.1	Holland Lake (DNR#19-006500)	Aug.-Oct. 2019	\$31,040	\$4,120	\$35,160	Eagan IGH WMO	Eagan IGH WMO	Modeled reduction: 1.0 lbs external TP/yr (est.)	Other external projects identified in Subwatershed Assessment (2017) to be prioritized based on stormwater monitoring in 2018. Could potentially be constructed as early as 2020

Minn R - East Lower (56)	Eagan IGH WMO	Carlson Lake TMDL Alum Application	Alum application to reduce internal TP in Carlson Lake.	Eagan Neighborhood Lakes TMDL and Management Plans Report (Wenck 2015), E-IGHWMO Watershed Management Plan (June 2016) Goal B.1 and Section 5.1.4 Capital Improvement Projects-Lake TMDLs Load Reduction Projects	Carlson Lake (DNR#19-006600)	Aug.-Oct. 2020	\$31,040	\$41,960	\$73,000	Eagan IGH WMO	Eagan IGH WMO	Modeled reduction: 5.7 lbs internal TP/yr. (est.)	
Minn R - East Lower (56)	Eagan IGH WMO	Schulze Lake Alum Treatment	Alum application to reduce internal TP in Schulze Lake.	Lebanon Hills Regional Park Subwatershed Assessment Report (Wenck 2017) and E-IGHWMO Watershed Management Plan (June 2016) Goal B.1	Schultz Lake (DNR#19-007500)	Aug.-Oct. 2019	\$31,040	\$28,960	\$60,000	Eagan IGH WMO	Eagan IGH WMO	Modeled reduction: 10.9 lbs internal TP/yr (est.)	
Miss R - Twin Cites (14)	Dakota SWCD	Stormwater BMPs	Retrofit stormwater Best Management Practices (BMPs) on public land to assist partnering Local Government Units (LGUs) to achieve water quality goals identified in their local stormwater plans, TMDLs and WRAPS reports.	LMRWMO Plan Table 6.2 Item #15 and #22 (Implementation Pan). Assist cities in pursuing grants and addressing South Metro Mississippi River TMDL	Watershed Wide	2019-2021	\$50,000	\$5,000	\$55,000	Dakota SWCD	Dakota SWCD	Reduce TSS loading by 5 tons/year and volume by 3.0 ac-ft/year	Activity is within Dakota SWCD Comprehensive Plan under Objective 1, Strategy A (b) (g) and Objective 1 Strategy C (a) (b)
Miss R - Twin Cites (14)	Lower Miss WMO	Develop a Storm Drain Stenciling Program	Create a stenciling program to engage community organizations and increase awareness of their impact on water resources	Implementation Table 6-2, Item 12.a, 12.d,	Mississippi River and other area water bodies.	2018-2020	\$11,430	\$1,200	\$12,630	Lower Miss WMO	Lower Miss WMO	Number groups participating in program.	
Miss R - Twin Cites (14)	Lower Miss WMO	Pesticide, Herbicide and Fertilizer Education Program for Public and Private entities.	Develop multi-lingual educational material regarding Pesticides, Herbicides, and Fertilizer application for dispersal by Member Cities.	Implementation Table 6-2, Items 12.b, 12.e, 18	Mississippi River and other area water bodies.	2018-2020	\$11,000	\$1,100	\$12,100	Lower Miss WMO	Lower Miss WMO	Number of educational materials generated and distributed by Member Cities.	Potentially run advertisements in local papers, City/neighborhood newsletters, etc.
Miss R - Twin Cites (14)	Lower Miss WMO	Impaired Waters/TMDL Education	Develop public educational materials regarding impaired waters and the TMDL programs developed to address the impairments. Mississippi River, Augusta, etc.	Implementation Table 6-2, Items 15, 18	Mississippi River and other area water bodies.	2018-2020	\$11,000	\$1,100	\$12,100	Lower Miss WMO	Lower Miss WMO	Number of educational materials generated and distributed by Member Cities.	Potentially run advertisements in local papers, City/neighborhood newsletters, etc.
Miss R - Twin Cites (14)	Lower Miss WMO	Lake Augusta Shoreline Protection	Feasibility Study for Shoreland/Streambank Protection, Construction of two outlet control structures	Implementation Table 6-1, item 12	Lake Augusta	2018-2020	\$25,000	\$15,000	\$40,000	Lower Miss WMO	Lower Miss WMO	Creation of report to determine feasibility of project implementation and potential pollutant reductions.	
Miss R - Twin Cites (14)	Lower Miss WMO	Interstate Valley Creek Streambank Stabilization	Feasibility study for Streambank protection, weir replacement and volume reduction in watershed	Implementation Table 6-1, Item 3. Implementation Table 6-3, Item 5	Interstate Valley Creek, Mississippi River	2018-2020	\$50,000	\$25,000	\$75,000	Lower Miss WMO	Lower Miss WMO	Creation of report to determine feasibility of project implementation and potential pollutant reductions.	
Miss R - Twin Cites (14)	Lower Miss WMO	Lake Augusta Lift Station	Feasibility Study for construction of a lake outlet	Implementation table 6-1, item 12. Implementation Table 6-3, Item 7	Lake Augusta	2018-2020	\$25,000	\$15,000	\$40,000	Lower Miss WMO	Lower Miss WMO	Creation of report to determine feasibility of project implementation and potential pollutant reductions.	
Miss R - Upper Lake Pepin (62)	Dakota SWCD	Stormwater BMPs	Retrofit stormwater Best Management Practices (BMPs) on public land to assist partnering Local Government Units (LGUs) to achieve water quality goals identified in their local stormwater plans, TMDLs and WRAPS reports.	VRWJPO Plan Figure 7.10.1 under Land and Water Treatment, Goal A and D; Research and Planning Goal A; 7.15 Incentive Programs	Watershed Wide	2019-2021	\$10,000	\$1,000	\$11,000	Dakota SWCD	Dakota SWCD	Reduce total phosphorus loading by 0.7 lbs/year and volume by 0.7 ac-ft/year	Activity is within Dakota SWCD Comprehensive Plan under Objective 1, Strategy A (b) (g) and Objective 1 Strategy C (a) (b)
Miss R - Upper Lake Pepin (62)	Dakota SWCD	Irrigation/Ag Weather Network	Establish an Ag. Weather Network that mesures rainfall and parameters used to determine evapotranspiration which are necessary for irrigation water management (IWM). IWM manages water at the crop root zone, which leads to fewer nitrate leaching events during the growing season	VRWJPO Plan Figure 7.10.1 under Public Communication and Outreach, Goal B	Watershed Wide with focus on high nitrate areas	2019-2021	\$15,000	\$1,500	\$16,500	Dakota SWCD	Dakota SWCD	Establish one monitoring station with data access	Activity is within Dakota SWCD Comprehensive Plan under Objective 2, Strategy B (a) (b) (c) (d).
Miss R - Upper Lake Pepin (62)	Dakota SWCD	South Branch Subwatershed Analysis	Complete a subwatershed analysis within South Branch drainage area of Vermillion River. Activities include preliminary desktop mapping, landowner outreach, field reconnaissance, pollutant calculations, priority practice ranking and a final report.	VRWJPO Plan Figure 7.10.1 under Land and Water Treatment, Goal A; and under Research and Planning Goal A	South Branch - Vermillion River Watershed	2019-2021	\$25,000	\$10,000	\$35,000	Dakota SWCD	Dakota SWCD	A final report with prioritization of projects based on estimated cost benefit ratio.	Activity is within Dakota SWCD Comprehensive Plan under Objective 1, Strategy A (c)

Miss R - Upper Lake Pepin (62)	Vermillion JPO	Erickson Park Stormwater Improvements	EVR-P27 in Erickson Park is serving as a flood relief basin in the City's stormwater system. Stormwater was first directed to this area in the late 1970's and largely soaks away. As an improved basin was not constructed at the time that stormwater was first directed to the area, it currently does not meet its full potential for stormwater treatment and volume reduction. The project will excavate an improved basin and modify stormwater infrastructure, including the outlet, to promote stormwater infiltration. The City will also incorporate native plants into the final stabilization. The project is anticipated to be able to retain 100% of the runoff from an average year.	6.2, Goal A, 2.a. Identify and prioritize projects using the Watershed Restoration and Protection Strategy (WRAPS), geomorphic assessments, restorable wetlands inventory, and the Vermillion River Monitoring Network. 6.2, Goal A, 2.c. Fund high-priority projects using CIP dollars, cost-sharing with partners, grant funding or a combination of strategies. 6.2, Goal A, 4.a. Apply (solely or in partnership) for grants to conduct special projects, studies, and demonstrations, as well as fund best management practices. 6.2, Goal A, 14.a. Integrate WRAPS recommendations for high-priority restoration and protection projects into the VRWJPO's CIP. 6.2, Goal C, 3.a. Promote and cost-share bio-infiltration BMPs for new development, redevelopment, and stormwater retrofits. 6.2 Goal C, 4.a. Promote and cost-share BMPs that infiltrate stormwater and replenish groundwater, where feasible and not a threat to groundwater quality.	Farquar Lake (19-002300)	2019 or 2020	\$100,000	\$160,000	\$260,000	Vermillion JPO	Vermillion JPO	>6.1 lbs TP reuction, reduced stormwater volume	Project is in Apple Valley. TMDL Impelemntation Plan, page 27 https://www.pca.state.mn.us/sites/default/files/wq-iw9-06c.pdf
Miss R - Upper Lake Pepin (62)	Vermillion JPO	Records Trail/Morris Jones grade control structure(s)/sediment basin cleanouts	Install grade control structure(s) to eliminate erosion along Records Trail. Clean out two or three existing sediment basins on the Morris Jones property to reduce sedimentation downstream and reduce flow rate at grade control structures	6.2, Goal A, 2.a. Identify and prioritize projects using the Watershed Restoration and Protection Strategy (WRAPS), geomorphic assessments, restorable wetlands inventory, and the Vermillion River Monitoring Network. 6.2, Goal A, 2.c. Fund high-priority projects using CIP dollars, cost-sharing with partners, grant funding or a combination of strategies. 6.2, Goal A, 4.a. Apply (solely or in partnership) for grants to conduct special projects, studies, and demonstrations, as well as fund best management practices. 6.2, Goal A, 14.a. Integrate WRAPS recommendations for high-priority restoration and protection projects into the VRWJPO's CIP. 6.2, Goal A, 20. b. Target projects to water resources that have problems that are urgent, pose potential health risks, threaten public infrastructure, or adversely affect people, property, or natural resources.	Etter Creek	2020	\$40,000	\$10,000	\$50,000	Vermillion JPO	Vermillion JPO	160 tons/year of soil loss, maybe more. Phosphorus is predicted to be between 70-80 lbs/year, but seems very high compared to other practices we've implemented	It's possible Mr Jones will provide sediment basin cleanout as part of the match. That amount is not included in the local match portion of this request.

Miss R - Upper Lake Pepin (62)	Vermillion JPO	Farmington Street Reconstruction Feasibility Study	Feasibility study to determine practice opportunities, types of practices, pollutant reduction, and costs for inclusion in City's street reconstruction project	<p>6.2, Goal A, 2.a. Identify and prioritize projects using the Watershed Restoration and Protection Strategy (WRAPS), geomorphic assessments, restorable wetlands inventory, and the Vermillion River Monitoring Network.</p> <p>6.2, Goal A, 2.c. Fund high-priority projects using CIP dollars, cost-sharing with partners, grant funding or a combination of strategies. 6.2, Goal A, 4.a. Apply (solely or in partnership) for grants to conduct special projects, studies, and demonstrations, as well as fund best management practices. 6.2, Goal A, 14.a. Integrate WRAPS recommendations for high-priority restoration and protection projects into the VRWJPO's CIP. 6.2, Goal A, 20.a. Prioritize projects that provide multiple benefits, multiple pollutant reductions, system-wide improvement, or synergy with other projects.</p> <p>6.2, Goal A, 20.b. Target projects to water resources that have problems that are urgent, pose potential health risks, threaten public infrastructure, or adversely affect people, property, or natural resources. 6.3 Goal G, 4.b. Target locations where implementing BMPs would effectively reduce sediment loading. 6.3 Goal G, 4.c. Incorporate potential BMPs for sediment-load reduction in the CIP.</p>	Vermillion river	2019	\$20,000	\$0	\$20,000	Vermillion JPO	Vermillion JPO	NA	This study will lead to projects that have pollutant reduction benefits.
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Miss R - Upper Lake Pepin (62)	Vermillion JPO	Farmington Street Reconstruction Stormwater Improvement Project	Stormwater improvement project as a result of the feasibility study	<p>6.2, Goal A, 2.a. Identify and prioritize projects using the Watershed Restoration and Protection Strategy (WRAPS), geomorphic assessments, restorable wetlands inventory, and the Vermillion River Monitoring Network.</p> <p>6.2, Goal A, 2.c. Fund high-priority projects using CIP dollars, cost-sharing with partners, grant funding or a combination of strategies. 6.2, Goal A, 4.a. Apply (solely or in partnership) for grants to conduct special projects, studies, and demonstrations, as well as fund best management practices. 6.2, Goal A, 14.a. Integrate WRAPS recommendations for high-priority restoration and protection projects into the VRWJPO's CIP. 6.2, Goal A, 20.a. Prioritize projects that provide multiple benefits, multiple pollutant reductions, system-wide improvement, or synergy with other projects.</p> <p>6.2, Goal A, 20.b. Target projects to water resources that have problems that are urgent, pose potential health risks, threaten public infrastructure, or adversely affect people, property, or natural resources. 6.3 Goal G, 4.b. Target locations where implementing BMPs would effectively reduce sediment loading. 6.3 Goal G, 4.c. Incorporate potential BMPs for sediment-load reduction in the CIP.</p>	Vermillion river	2019	\$24,250	\$75,000	\$99,250	Vermillion JPO	Vermillion JPO	<p>This will be determined when a project is designed. However, in running a couple MIDS calculator scenarios to treat the first 0.5" and 1" of runoff volume from the drainage area, a pollutant reduction estimate of 1.4-1.7 tons of TSS and 10-14 lbs of phosphorus reduction could be expected.</p>	This will be determined upon design of the project found in the feasibility study.
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Miss R - Upper Lake Pepin (62)	Vermillion JPO	21st Street Ravine	Construct new outlet from ravine. Remove accumulated sediment and debris from upstream of existing outlet.	<p>6.2, Goal A, 2.a. Identify and prioritize projects using the Watershed Restoration and Protection Strategy (WRAPS), geomorphic assessments, restorable wetlands inventory, and the Vermillion River Monitoring Network.</p> <p>6.2, Goal A, 2.c. Fund high-priority projects using CIP dollars, cost-sharing with partners, grant funding or a combination of strategies. 6.2, Goal A, 4. a. Apply (solely or in partnership) for grants to conduct special projects, studies, and demonstrations, as well as fund best management practices. 6.2, Goal A, 14. a. Integrate WRAPS recommendations for high-priority restoration and protection projects into the VRWJPO's CIP. 6.2, Goal A, 20. a. Prioritize projects that provide multiple benefits, multiple pollutant reductions, system-wide improvement, or synergy with other projects. 6.2, Goal A, 20.b. Target projects to water resources that have problems that are urgent, pose potential health risks, threaten public infrastructure, or adversely affect people, property, or natural resources. 6.2, Goal C, 3.a. Promote and cost-share bio-infiltration BMPs for new development, redevelopment, and stormwater retrofits. 6.2 Goal C, 4. a. Promote and cost-share BMPs that infiltrate stormwater and replenish groundwater, where feasible and not a threat to groundwater quality. 6.3 Goal G, 4. b. Target locations where implementing BMPs would effectively reduce sediment loading. 6.3 Goal G, 4. c. Incorporate potential BMPs for sediment-load reduction in the CIP.</p>	Vermillion River	2020	\$73,800	\$90,200	\$164,000	Vermillion JPO	Vermillion JPO	<p>Infiltration Volume: 19,600 CF</p> <p>Net Reduction for Average Water Year TSS Reduction leaving pond: 19,736 lbs TP Reduction Leaving Pond: 43.1 lbs Outflow Volume: 43.5 acre-feet</p>	<p>Net reductions for average water year are estimated using the City of Hasting's P8 model. For model documentation see Section 4.4 of the City's Watershed Management Plan (2009).</p> <p>The net reduction is estimated individually for each activity, the net reduction at the Vermillion River will vary from the reported values if multiple Activities are completed.</p> <p>Total Project Cost is estimated based on conceptual design for outlet modifications at each location.</p> <p>Infiltration Volume is estimated as the volume stored below the modified outlet of the basin. The modified outlet for each basin was assumed to be raised 18-inches, which will drawdown within 48-hours assuming type B soils. Infiltration volume provided as well as annual average TP, TSS, and infiltration volume will vary depending on the infiltration capacity.</p>
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Miss R - Upper Lake Pepin (62)	Vermillion JPO	Vermillion Falls Park rainwater gardens	Construct two rainwater gardens in Vermillion Falls Park.	<p>6.2, Goal A, 2.a. Identify and prioritize projects using the Watershed Restoration and Protection Strategy (WRAPS), geomorphic assessments, restorable wetlands inventory, and the Vermillion River Monitoring Network.</p> <p>6.2, Goal A, 2.c. Fund high-priority projects using CIP dollars, cost-sharing with partners, grant funding or a combination of strategies. 6.2, Goal A, 4. a. Apply (solely or in partnership) for grants to conduct special projects, studies, and demonstrations, as well as fund best management practices. 6.2, Goal A, 14. a. Integrate WRAPS recommendations for high-priority restoration and protection projects into the VRWJPO's CIP. 6.2, Goal A, 20. a. Prioritize projects that provide multiple benefits, multiple pollutant reductions, system-wide improvement, or synergy with other projects. 6.2, Goal A, 20.b. Target projects to water resources that have problems that are urgent, pose potential health risks, threaten public infrastructure, or adversely affect people, property, or natural resources. 6.2, Goal C, 3.a. Promote and cost-share bio-infiltration BMPs for new development, redevelopment, and stormwater retrofits. 6.2 Goal C, 4. a. Promote and cost-share BMPs that infiltrate stormwater and replenish groundwater, where feasible and not a threat to groundwater quality. 6.3 Goal G, 4. b. Target locations where implementing BMPs would effectively reduce sediment loading. 6.3 Goal G, 4. c. Incorporate potential BMPs for sediment-load reduction in the CIP.</p>	Vermillion River	2020	\$14,950	\$59,050	\$74,000	Vermillion JPO	Vermillion JPO	<p>Infiltration Volume: 16,000 CF</p> <p>Net Reduction for Average Water Year TSS Reduction leaving pond: 2,515 lbs TP Reduction Leaving Pond: 11.9 lbs Outflow Volume: 13 acre-feet</p>	<p>Net reductions for average water year are estimated using the City of Hasting's P8 model. For model documentation see Section 4.4 of the City's Watershed Management Plan (2009).</p> <p>The net reduction is estimated individually for each activity, the net reduction at the Vermillion River will vary from the reported values if multiple Activities are completed.</p> <p>Total Project Cost is estimated based on conceptual design for outlet modifications at each location.</p> <p>Infiltration Volume is estimated as the volume stored below the modified outlet of the basin. The modified outlet for each basin was assumed to be raised 18-inches, which will drawdown within 48-hours assuming type B soils. Infiltration volume provided as well as annual average TP, TSS, and infiltration volume will vary depending on the infiltration capacity.</p>
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Miss R - Upper Lake Pepin (62)	Vermillion JPO	Aronson Park Stormwater Reuse System	<p>The City of Lakeville is proposing to utilize Clean Water Fund Watershed-based Funding to enhance volume control and pollutant reductions through a water reuse project located at Aronson Park.</p> <p>The proposed project is a collaborative effort between the Vermillion River Watershed JPO, Dakota County Transportation, the City of Lakeville, and an adjacent Land Developer. With the improvements to County Road 50 and Aronson Park scheduled for 2019, the opportunity arose to improve water quality above design requirements, as well as reduce groundwater demand through installation of a reuse system. Improvements will be achieved through the transformation of two smaller stormwater treatment basins into a single wet sedimentation basin coupled with a wet well and pump house. The basin will provide irrigation to 5.30 acres of soccer field and 6.59 acres of ballfield at Aronson Park. The proposed project will provide water quality benefit to downstream South Creek (impaired for aquatic life and bacteria).</p>	<p>6.2, Goal A, 2.c. Fund high-priority projects using CIP dollars, cost-sharing with partners, grant funding or a combination of strategies. 6.2, Goal A, 4.a. Apply (solely or in partnership) for grants to conduct special projects, studies, and demonstrations, as well as fund best management practices. 6.2, Goal A, 19.c. Cost-share or stack incentives for demonstrations of new or innovative BMPs that are potentially more effective at reducing impacts to surface waters, less expensive, or easier to maintain. 6.2, Goal A, 20.a. Prioritize projects that provide multiple benefits, multiple pollutant reductions, system-wide improvement, or synergy with other projects. 6.2, Goal B, 1.c. Seek partnerships to develop and implement collaborative groundwater projects and programs</p>	South Creek	2019	\$70,550	\$304,450	\$375,000	Vermillion JPO	Vermillion JPO	<p>Reduced stormwater volume: 3.81 million gallons Total phosphorus: 7.82 lbs Dissolved phosphorus: 4.30 lbs</p>
						Totals:	\$1,018,000	\$1,641,912	\$2,659,912			

Black Dog WMO
Dakota SWCD
Eagan IGH WMO
Lower Miss WMO
Lower MN WD
North Cannon WMO
Vermillion JPO

Cannon R (54)
Miss R - Twin Cities (14)
Miss R - Upper Lake Pepin (62)
Minn R - East Lower (56)

Black Dog WMO
Dakota SWCD
Eagan IGH WMO
Lower Miss WMO
Lower MN WD
North Cannon WMO
Other
Vermillion JPO

Linda:

I would like to submit a grant to convert Schroeder's Acres Park to a stormwater wetland design and irrigation reuse system. For the grant I would say look to the following funding sources:

1. 1W/1P Grant (Study)
2. BBR/BWSR Clean Water Funds (Design and Construction)
3. LMRWD (Study/Design)
4. Trout Unlimited (temperature issue)
5. City (storm funds and City BMP in lieu of streets BMP credits, etc.)

Here are the steps:

1. Subwatershed assessment (2018)
2. Develop concept designs (2019)
3. Complete design (2019)
4. Construction (2020)

Pollutants:

1. Phosphorus
2. Temperature
3. Metals
4. Volume (Eagle Creek)
5. E. Coli

Resource:

1. Eagle Creek

Cost:

1. Study: \$25,000
2. Design: \$40,000
3. Irrigation Reuse: \$70,000
4. Pond Modifications: \$300,000
5. Total: \$435,000

The Purpose:

1. Improve the overall health of Eagle Creek a designated Trout Stream.

Goals:

1. Reduce bacteria from discharging to Eagle Creek (Huge Goose and Duck population)
2. Reduce nutrients
3. Manage temperatures

4. Reduce volumes
5. Chlorides??? Monitor, implement changes in-deicing practices, monitor, implement additional changes, adapt, etc.

The first phase would be to do the study we previously discussed so we can better understand the key issues. This should help us better to define the parameters we should focus on. We know temperatures are an issue.

Schroeders's Acres Park



1 in = 200 ft



- | | | | |
|-----------------------|---------|-----------------------|---------------------------------------|
| Contours 2ft | ● CEPT | ■ SKIM | ➔ Commercial & Industrial Storm Sewer |
| — 2-Foot Intermediate | ● Drain | ● SUMP | |
| — 10-Foot Index | ▲ E_AP | ■ WEIR | |
| Storm Points | ■ LS | ○ Other | |
| ▲ B_AP | ● MH | ➔ Storm Lines | |
| ■ CB | ● OCS | ➔ Private Storm Lines | |
| ■ CBMH | | | |

Notes:
 1. Shallow Marsh Fringes - 6 to 8 inch depth.
 2. Integrate Iron-Enhanced System - Underground Vault with Replaceable Media





MEMORANDUM

TO: Watershed Based Funding Group
FROM: Kirby Templin, City of Shakopee
SUBJECT: Shakopee Projects Identified for Watershed Based Funding
DATE: April 20, 2018

This memo summarizes project opportunities within the City of Shakopee to consider for funding with the Watershed Based Funds. The total funding available for these project opportunities includes:

- LMRWD Funds – \$146,550
- PLSLWD Funds - \$150,361
- Scott WMO Funds - \$210,459
- General Funds - \$149,000

A. Project Opportunities Identified for PLSLWD Funds

1. PLSL Channel Improvements – CIP#19-004. CIP Summary attached. This could be considered for PLSLWD, or LMRWD, or both. Attached is also additional information including a previous concept and draft answers to BWSR projects and practices questions. The intent of the project is similar, however there may be some adjustments to the project through the next concept and design phase.
 - a. Eligibility
 - i. CIP Project.
 - ii. One of the primary goals of the project is to implement features to improve water quality.
 - b. Description
 - i. Additional capacity and control structures in the Prior Lake/Spring Lake channel to handle increased run-off due to development.
 - c. Estimated Project Cost
 - i. \$800,000 identified in CIP. The project scope has expanded recently, and cost is expected to be substantially more due to expanded scope.
 - ii. Seeking project support and consideration for funds. Water quality project components will may exceed total funding available.
2. Targeted BMP study for regional BMPs identified in Shakopee CIP. The project locations are identified as CIP projects CIP#18-003, 19-003, 22-002. The CIP project descriptions area attached.
 - a. Estimated Project Cost
 - i. ~\$25,000 for feasibility study. These projects are located within multiple watershed boundaries. Possibility for shared funding between the different watershed funds.

- (1) Proposed LMRWD Funds Share. Half of a project (CIP#18-003) falls within the LMRWD boundary. Funding share of study of 1/6 cost for approximately 17%.
- (2) Proposed Scott WMO Funds Share – One and a half projects (CIP#18-003 and CIP#22-002) fall within the Scott WMO boundary. Funding share of study of 1/2 cost for approximately 50%.
- (3) Proposed PLSLWD Funds Share – One project (CIP#19-003) falls within PLSLWD boundary. Funding share of study of 1/3 cost for approximately 33%.

B. Project Opportunities Identified for LMRWD Funds

3. Targeted BMP study for downtown Shakopee area. This is a high priority study for Shakopee.
 - a. Estimated Project Cost
 - i. ~\$25,000 for feasibility study.
4. PLSL Channel Improvements – CIP#19-004.
 - a. Additional details are summarized for this project in Project 1.
5. Targeted BMP study for regional BMPs identified in Shakopee CIP.
 - a. Additional details and funding share are summarized for this project in Project 2.

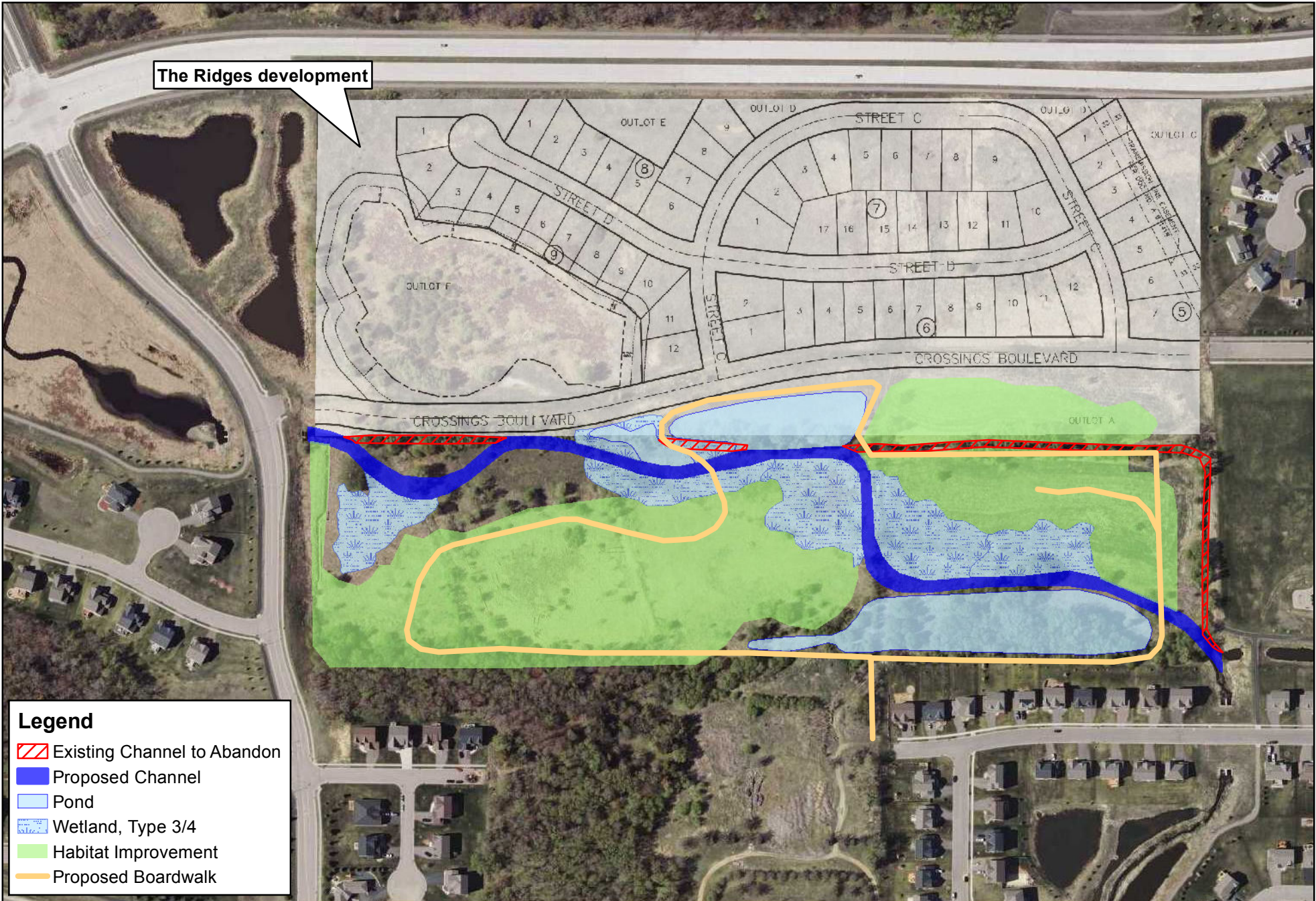
C. Project Opportunities Identified for Scott WMO Funds

6. Targeted BMP study for regional BMPs identified in Shakopee CIP.
 - a. Additional details and funding share are summarized for this project in Project 2.







D. Project Opportunities Identified for General Funds

7. Chloride Assessment/Evaluation/Study
 - a. An assessment to review current plan, identify opportunities to reduce and improve chloride application, and create an implementation plan. This assessment would identify goals, reduction potentials, benefits (environmental and cost savings), and the needs to execute a plan to reduce chloride application.

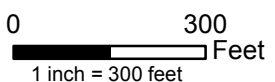
The Ridges development



Legend

-  Existing Channel to Abandon
-  Proposed Channel
-  Pond
-  Wetland, Type 3/4
-  Habitat Improvement
-  Proposed Boardwalk

Proposed Improvements
 PLOC Realignment
 City of Shakopee



2017 BWSR Projects and Practices Questions

Project Abstract: *Project Abstract: Succinctly describe what you are trying to achieve and how you intend to achieve those results, including the type and quantity of projects and/or practices included in the application budget and anticipated outcomes.*

Increase storage to reduce TSS load to LMR. Improve habitat (pollinators) and MNRAM score. Increase wetland diversity and complexity. Reduce TP.

Does your organization have any active CWF grants? 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.

Water Resource: *Identify the water resource the application is targeting for water quality protection or restoration.*

Deans Lake/Lower MN

Proposed Measurable Outcomes: *Succinctly describe the proposed measurable outcomes of this grant application.*

- *Flow Reduction*
- *Reduction in TSS*
- *Improve MNRAM Score*
- *Increased storage*
- *Increase wetland Acreage*

Overall Project Description 1. (5 points) *A) What nonpoint pollution concerns will be the focus of this application and how do you intend to address those concerns? B) Describe how the resource of concern aligns with at least one of the statewide priorities referenced in the "Projects and Practices" section of the RFP. C) Describe the public benefits resulting from this proposal from both a local and state perspective.*

Local- City of Prior Lake, SMSC and Shakopee use channel for drainage.

State- Reduce YTSS to LMR to improve IBI and clarity. This will also eventually impact Mississippi.

Relationship to Plan: 2a. (15 points) *Describe why the water resource was identified in the plan as a priority resource. For the proposed project, identify the specific water management plan reference by plan organization plan title, section, and page number. In addition to the plan citation, provide a brief narrative description that explains whether this application fully or partially accomplishes the referenced activity.*

- **Shakopee SWMP**
- **Shakopee CIP**
- **LMRWD Third Generation Plan**

Relationship to Plan: 2b. Provide web links to all referenced plans.

Targeting Procedure: 3. (15 points) Describe the methods used to identify, inventory, and target the most critical pollution sources or threats (root cause) and describe any additional efforts that will be completed prior to installing the projects or practices identified in this proposal.

- **USGS Report on Lower MN**
- **HDR Model in Dean Lake WQ Report**
- **City Inventory?**
- **Met Council Report**
- **LMR TMDL**
- **Mention previous channel work in the portion of the channel to the west of the proposed project.**

Targeting: 4. (10 points) A) How does this proposal make progress toward an overall groundwater, watershed protection, and/or restoration strategy being implemented by your organization and your partners? Listing an activity in a plan does not necessarily constitute an overall strategy. B) Describe activities other than those in this proposal that you and other partners have or will implement that affect the same water resource including but not limited to: other financial assistance or incentive programs, easements, regulatory enforcement, or community engagement activities that are indirectly related to this proposal.

LMRWD is prioritizing flow volume reduction within the watershed to reduce TSS to LMR. The PLOC brings in a lot of TSS.

Measurable Outcomes: 5. (10 points) A) What pollutant(s) (For groundwater: bacteria, untreated sewage, nitrate, pesticides, etc.; For surface water: dissolved phosphorus, nitrogen, sediment, etc.) does this application specifically address? B) Has there been a pollutant reduction goal set (via TMDL or other study) in relation to that pollutant or the water resource that is the subject of this application? If so, please state that goal (as both an annual pollution reduction AND overall percentage reduction, not as an in-stream or in-lake concentration number). If no pollutant reduction goal has been set, describe the water quality trends associated with the water resource or other management goals that have been established. D) For protection projects, indicate measurable outputs such as acres of protected land, number of potential contaminant sources removed or managed, etc.

Measurable Outcomes: 6. (10 points) A) Describe the effects this proposed project will have on the root cause of the most critical pollution problems or threats. B) Please quantify the water quality

benefits that would result from this proposal. Where applicable, identify the annual reduction in pollutant(s) that will be achieved or avoided for the water resource after this project is completed.

Measureable Outcomes: 7. (10 points) Will the overall project have additional specific secondary benefits, including but not limited to measured or estimated hydrologic benefits, enhancement of aquatic and terrestrial wildlife species, drinking water protection, enhancement of pollinator populations, or protection of rare and/or native species? If so, specifically describe, (quantify if possible), what those benefits will be.

MNRAM score, pollinator, T & E habitat, increased wetland acreage. Potential to create rare wetland habitat.

Cost Effectiveness: 8. (15 points) Describe why the proposed project(s) in this application are considered to be the most cost effective and reasonable means to attain water quality improvement or protection benefits within the proposed project area. Has any analysis been conducted to help substantiate this determination? Factors to consider include, but are not limited to: BMP effectiveness, timing, site feasibility, practicality, and public acceptance. If your application is proposing to use incentives, please include incentive rates and the rationale why this approach is seen to have a high cost-benefit.

Look at other projects in the plan or alternative designs.

Project Readiness: 9. (8 points) Describe steps and actions already taken to ensure that project implementation can begin soon after grant award. This may include: preliminary discussions with permitting authorities (if applicable) and the status of any state, federal or local permits that may be required for the project (Conditional use, NPDES, WCA, EAW, USACE, Public Waters, archeological surveys, etc.). Also, describe any preliminary discussions with landowners/occupiers, status of agreements/contracts, contingency plans, and other project development activities to date that will ensure a smooth start to the project and minimize administrative or other critical delays.

- **Easements?***
- **Permitting***
- **Partner Meetings***

Project Readiness: 10. (2 points) Newsletters, signs and press releases are standard communication tools. In addition to these basics, describe additional project activities that would be added to the grant work plan aimed at engaging your local community on the need, benefits, and long term impacts of this project.

Boardwalk and interpretive signs.

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.

Capital Improvement Plan
City of Shakopee, Minnesota

2018 *thru* 2022

Department Storm Drainage Fund
Contact Public Works Director
Type Improvement
Useful Life
Category Storm Sewer/Drainage
Priority 2 Important-Provide Efficiency

Project # STORM-18-003
Project Name West End Regional Pond & Trunk Oversizing

Accounting Code
Fund Surface Water Fund

Total Project Cost: \$300,000

Description
 Additional capacity of ponding and better rate control of drainage entering into the Upper Valley Drainage system.

Justification
 Control of water rates are important to manage the system and reducing the potential of flooding downstream.

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	240,000					240,000
Engineering/Administration	60,000					60,000
Total	300,000					300,000

Funding Sources	2018	2019	2020	2021	2022	Total
Storm Drainage Fund	300,000					300,000
Total	300,000					300,000



PROJECT LOCATION

Capital Improvement Plan
City of Shakopee, Minnesota

2018 *thru* 2022

Department Storm Drainage Fund
Contact Public Works Director
Type Improvement
Useful Life
Category Storm Sewer/Drainage
Priority 2 Important-Provide Efficiency

Project # Storm-19-003
Project Name Blue Lake Channel Cooperative Regional Storm Pond

Accounting Code
Fund Surface Water Fund

Total Project Cost: \$100,000

Description
 To construct a Joint Regional Pond with the SMSC on the Blue Lake Channel prior to outletting to the Prior Lake Channel.

Justification
 Control of storm water by ponding and infiltration prior to the Prior Lake Channel is good management of storm water and can reduce cost of channel construction and cost share in PLSLWD Agreement.

Expenditures	2018	2019	2020	2021	2022	Total
Improvements		100,000				100,000
Total		100,000				100,000

Funding Sources	2018	2019	2020	2021	2022	Total
Storm Drainage Fund		100,000				100,000
Total		100,000				100,000



PROJECT LOCATION

Capital Improvement Plan
City of Shakopee, Minnesota

2018 *thru* 2022

Department Storm Drainage Fund
Contact Public Works Director
Type Improvement
Useful Life
Category Storm Sewer/Drainage
Priority 1 Critical for Safety/Preservat

Project # Storm-19-004
Project Name PLSL Channel Improvements

Accounting Code
Fund Surface Water Fund

Total Project Cost: \$800,000

Description
 Additional capacity and control structures in the Prior Lake/Spring Lake Channel to handle increased run-off due to development.

Justification
 Existing agreement with Prior Lake/Spring Lake Watershed District (PLSLWD) requires the City to maintain the channel upon the City utilizing the channel for urban development. Increased runoff from development will require a larger channel.

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		700,000				700,000
Engineering/Administration		100,000				100,000
Total		800,000				800,000

Funding Sources	2018	2019	2020	2021	2022	Total
Park Reserve Fund		500,000				500,000
Storm Drainage Fund		300,000				300,000
Total		800,000				800,000



PROJECT LOCATION

Capital Improvement Plan
City of Shakopee, Minnesota

2018 *thru* 2022

Department Storm Drainage Fund
Contact Public Works Director
Type Improvement
Useful Life
Category Storm Sewer/Drainage
Priority 1 Critical for Safety/Preservat

Project # Storm-22-002
Project Name Blue Lake Channel Regional Storm Pond

Accounting Code
Fund Surface Water Fund

Total Project Cost: \$100,000

Description
 Regional ponding of storm water, west of CSAH 83 to control storm water rate and quality.

Justification
 Management of storm water in this area is necessary to prevent flooding and management of water from areas south of the pond.

Expenditures	2018	2019	2020	2021	2022	Total
Improvements					100,000	100,000
Total					100,000	100,000

Funding Sources	2018	2019	2020	2021	2022	Total
Storm Drainage Fund					100,000	100,000
Total					100,000	100,000



PROJECT LOCATION



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 6. C. - MAWD Summer Tour

Prepared By

Linda Loomis, Administrator

Summary

MAWD's Summer Tour will feature the Minnesota River and the Southwest Metro Area. LMRWD and RPBCWD are working with MAWD to plan the tour and one feature of the event will be a tour of the Minnesota River on Wednesday evening. LMRWD and RPBCWD wanted to invite local leaders and legislators to the tour. MAWD wanted to charge all participants including the local leaders and legislators. RPBCWD and the LMRWD did not want to charge legislators and local leaders as we thought it was unlikely they would come if we charged them for participation.

The arrangement that we agreed to was that the LMRWD would host the Minnesota River Tour and MAWD would be a co-sponsor, along with RPBCWD and Nine Mile Creek Watershed District (NMCWD). RPBCWD would host the Thursday bus tour and MAWD, NMCWD, LMRWD and Carver County WMO would co-sponsor. RPBCWD, LMRWD, NMCWD and MAWD would host the Friday morning training session. There is a possibility that the Metro Area Soil & Water Conservation Districts and the St. Paul Port Authority will also become sponsors.

All MAWD participants will pay the registration fee to MAWD and then provide funding to each event as its sponsorship contribution.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 6. D. - Dredge Management

Prepared By

Linda Loomis, Administrator

Summary

i. Review process for funding of maintenance of Navigation Channel

Staff is working on the necessary actions to make the channel a permanent project in the LMRWD CIP.

ii. Vernon Avenue Dredge Material Management site

Barr Engineering is still working on the no-rise evaluation and is close to completing this project.

Rachel Contracting has contacted the District and is interested in taking 20,000 CY of material. The District has not heard anything more from the initial contact received earlier this year, so we will be selling the material to Rachel. Rachel has agreed to \$2/yd and will coordinate removal with LS Marine.

The recent high water level of the river did over top the entry into the site, so no material has been removed from the site so far this year, but it is expected that the site will be accessible soon.

iii. Private Dredge Material Placement

Because of the April snow event and high water levels afterward, private dredge material was not removed in April as planned. Once the site is accessible the private dredge material will be removed.

On May 2nd, I met with Greg Oberle, of CHS and Tim Koch, of Savage Riverport, LLC. They wanted to meet because they received a quote from LS Marine to remove and dispose of material dredged from the private barge terminals that was double the cost of previous years. They said they were told the increase in cost is due to the fact that the landfill where previous years material was disposed of will no longer take the material. The material will have to be taken to a landfill farther away, so the cost to transport the material has increased. They asked to meet with me to discuss their options.

They asked if someone besides LS Marine could dredge the terminals and place material on the LMRWD site. I told them that the agreement to place material on the site is between District and them, so they could choose another contractor, but we would have to have that contractor work with LS Marine who manages the Vernon Avenue site.

We discussed alternatives to dispose of the material, such as asking the Shakopee Mdewakanton Sioux Tribe or Minnesota Mulch to take the material to compost. We also discussed working with the farmers whose grain they ship to better manage the flow of water coming from upstream, to reduce sediment transport to the lower river. They were planning to get a quote from another contractor for dredging and the look for alternatives for final disposal of

the material. They said that they are finding they have to dredge more than once a season and the cost of keeping the terminals free from silt may become an obstacle to shipping by river. The cost of dredging may become the deciding factor in whether to ship by barge down the river or rail to the west coast. If commodities are shipped by rail to the west coast, there is no reason for the terminals to be located on the river. I suggested that they should speak with the state about this. We are planning to have someone speak to this topic on the barge tour in June.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 6. E. - Watershed Management Plan

Prepared By

Linda Loomis, Administrator

Summary

Two sections of the plan contain the majority of significant changes to the LMRWD Watershed Management Plan (Plan). These are Section 3 and 4. Given that the major policy changes to the Plan are contained in these two Sections the meeting will focus on these two sections. Changes to other sections of the plan are mostly updates to tables, studies and other information that have changed since the last update and amendments.

Section 3 changes impact the standards which are distilled into Appendix K, which was released May 9th to the Board and stakeholders.

The other section with major changes is Section 4, the implementation plan. Staff has prepared the implementation plan with input from the cities. The implementation plan is not yet ready for review, but will be posted on the website as soon as it is available. Notification will be sent when it is posted to the website. Staff plans to walk through the implementation plan with the Board at the meeting.

Attachments

No attachments

Recommended Action

Motion to approve draft Watershed Management Plan Amendment and authorize submittal to BWSR for 90 review.



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 6. F. - 2018 Legislative Action

Prepared By

Linda Loomis, Administrator

Summary

While the LMRWD did not have a specific goal at the Capitol this session Lisa Frenette and I have spent time meeting with Legislators to keep our issues - management of flow in the basin and funding for dredge management - in front of them. On April 25th, we met with Representatives Hamilton, Masin, Torkelson, Fabian and Senators Westrom, and Ingebritsen. On May 3rd, Lisa and I spoke with Representatives Loon, Andrew Carlson, Rosenthal, and Torkelson and Senators Dahm and Wicklund. Both houses were in session that day, so we asked Legislators to step off the floor. Several of them had previously contacted the District about the Plan amendment and had heard from constituents, so we updated them on the process.

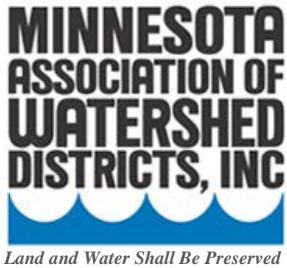
As for legislation that was introduced, several of the bills were in response to the LMRWD plan amendment. These bills and others are included in the update provided by MAWD that is attached. There is one bill in particular that although the update from MAWD says they are dead for the session, Lisa has concerns that one bill in particular, HF3805/SF3379, may turn up as an amendment. That concern was shared with Legislators when we spoke with them.

Attachments

MAWD Legislative update

Recommended Action

No action recommended



MN Association of Watershed Districts
18681 Lake Drive East
Chanhassen MN 55317
(612) 790-0700
www.mnwatershed.org
Executive Director Emily Javens
exec.mawd@gmail.com

2018 Board of Directors
President Ruth Schaefer
Vice President Duane Willenbring
Secretary Mary Texer
Treasurers Craig Leiser, Sherry Davis White
Directors Tim Dritz, Peter Fjestad,
Gene Tiedemann, and Linda Vavra

MN Association of Watershed Districts LEGISLATIVE UPDATE: April 23, 2018

All committee deadlines have now come and gone. Bills are now being grouped together in larger omnibus bills. We have made progress on several initiatives but as Yogi Berra said, "It ain't over till it's over." Here are a few highlights:

Watershed Planning and Management. We have made significant progress on legislation that will reduce the duplicative efforts between the Total Maximum Daily Load (TMDL) studies, the Watershed Restoration and Protection Strategy (WRAPS) reports and One Watershed One Plan (1W1P) efforts. This is a joint effort between the Association of MN Counties (AMC), the MN Association of Soil and Water Conservation Districts (MASWCD), and the state agencies. Several other bills have been introduced by others with varying potential impacts to authorities of watershed districts, but those bills failed to get hearings and are now considered dead.

Levy Authorities. Although there has been little interest from legislators to sponsor a bill that would increase the general levy cap for rural watershed districts, there is movement on improving the flexibility of how the project tax levy authority can be used to match more types of grants, such as from the Clean Water Fund.

Drainage. We introduced two pieces of legislation this session. The first piece of legislation would remove impediments, identified by the drainage work group, that are standing in the way of getting buffers established on public ditches. The second piece of legislation would allow drainage authorities to use an optional "Runoff and Sediment Delivery" method to calculate how repair costs could be apportioned without doing a full redetermination of benefits. This second piece of legislation ran into political problems and will likely be revisited this summer by the drainage work group. If it moves ahead, outreach will be needed to correct misinformation that has spread about the bill.

Appropriations. Funding recommendations for the Clean Water Fund and the Lessard Sams Outdoor Heritage Council are moving through the legislature with money being allocated to several watershed district programs and projects.

Bonding. We are still waiting for some word on the progress of development of a capital investment (bonding) bill in both bodies. The Senate began hearing some bonding proposals last week and we view that as a good sign. There is much work yet to be done with these bills as they move through the process once they are laid on the table for all to see.

Water Resource Programs. Legislation providing limited liability protection to certified commercial salt applicators is still moving through the House and our efforts to be included in the stakeholder process on stormwater reuse was heard.

Electronic Meeting Attendance. Although we decided to pull our legislation that brought more clarification for allowing managers to attend meetings electronically, we will continue to provide the needed clarification administratively now rather than legislatively.

Lastly, although we have made every effort to provide the most accurate information as possible, this legislative update may already be out-of-date by the time you read this. Please give us a call if you have questions or concerns. And a big thanks to everyone who has helped advance our legislative priorities this session!

Watershed Planning and Management

COORDINATED WATERSHED MANAGEMENT

LEADING THIS EFFORT with AMC, MASWCD, BWSR, MPCA

MAWD Resolution 2017-01: Advocate for coordination and integration of state watershed programs with local watershed implementation.

- [HF 3908 Clean Water Legacy Act modified, and coordinated watershed management provided](#) (Fischer, Torkelson)
 - 4/17/18 – HF3908 was included in the **Environment & Natural Resources Policy & Finance Committee’s** Omnibus bill ([HF3502DE2](#) Article 2 Sections 28, 29, 31-32, 39-52, and 103)
 - 4/19/18 – Section 29 was **amended** and sent to the **Ways and Means** Committee.
- [SF 3647 Clean Water Legacy Act modified, and coordinated watershed management provided](#) (M. Johnson, Ruud)
 - 4/17/18 – SF3647 was included in the **Environment & Natural Resources Finance Committee’s** Omnibus bill
 - 4/18/18 – [SF3141 2nd Engrossment](#) (Article 2 Sections 33-34, 36-37, 49-62, and 105) was sent to the **Finance** Committee

METRO “SLOW THE FLOW”

PROPOSED BY OTHERS → MONITOR & ACT WHEN NECESSARY

MAWD Board Direction: Monitor and act on proposed changes to 103B.

Description: This bill would **require** metro watershed management programs to slow the movement of water to improve water quality and increase groundwater recharge, as well as protect and enhance surface water and groundwater used for drinking water.

- [HF 2989 Watershed management organization planning requirements modified, and WD purpose modified](#) (Wagenius, Hoppe, Hansen, Gunther, Bly, Anselmo)
 - 2/22/18 – Referred to **Environment and Natural Resources Policy and Finance** committee
 - No action, bill is dead for this session.
- [SF 3407 Watershed management organization planning requirements and district purposes modifications](#) (Dibble, Carlson, Cwodzinki, Hawj)
 - 3/15/18 – Referred to **Environment and Natural Resources Policy and Legacy Finance** committee
 - No action, bill is dead for this session.

DISTRICT PROVISIONS MODIFIED

PROPOSED BY OTHERS → MONITOR & ACT WHEN NECESSARY

MAWD Board Direction: Monitor and act on proposed changes to 103D.

Description: This bill would make significant changes to the rule-making procedures and authorities of WDs.

- [HF 3805 Watershed district provisions modified](#) (Heintzeman)
 - 3/14/18 – referred to **Environment and Natural Resources Policy and Finance** committee
 - No action, bill is dead for this session.
- [SF 3379 Watershed districts provisions modification](#) (Draheim)
 - 3/15/18 – referred to **Environment and Natural Resources Policy and Legacy Finance** committee
 - No action, bill is dead for this session.

UPDATE: These bills did not meet committee deadlines, so they should be dead for this session. MAWD has met with the developer pushing this legislation and have agreed to continue discussions to see if any resolutions can be found.

DISTRICT PLANNING REQUIREMENTS MODIFIED

PROPOSED BY OTHERS → MONITOR & ACT WHEN NECESSARY

MAWD Board Direction: Monitor and act on proposed changes to 103D.

Description: This bill recognizes that municipalities and counties affected by watershed management plans may make recommendations on the plan to the WD and notify affected property owners.

- [HF3603 Watershed district planning requirements modified](#) (Loon)
 - 3/12/18 - referred to **Environment and Natural Resources Policy and Finance** committee
 - Not heard in committee... bill is dead for this session (and no senate file was ever introduced.)

WATERSHED MANAGEMENT IN MN RIVER BASIN**PROPOSED BY OTHERS → MONITOR & ACT WHEN NECESSARY**

2015 MAWD Resolution: Support establishment of watershed-based water management organizations in the MN River basin

Description: This bill would convene a technical stakeholder group to design a comprehensive nutrient reduction strategy for point and nonpoint sources in the MN River basin.

- [HF 3940 Funding to reduce nutrients in the MN River basin, money appropriated](#) (C. Johnson, Considine)
 - 3/15/18 – referred to **Environment and Natural Resources Policy and Finance** committee
 - No action, bill dead for session
- [SF 3620 Minnesota River basin nutrient reduction strategy appropriation](#) (Frentz, Marty, Eaton)
 - 3/19/18 – referred to **Environment and Natural Resources Policy and Legacy Finance** committee
 - No action, bill dead for session

District Levy Authorities

PROJECT LEVY STATUTE MODIFICATION**LEADING THIS EFFORT**

2016 MAWD Resolution: Advocate for a statutory clarification to allow broader use of levy funds with new state sources of project funding. (Modify 103D.905, subd. 9 to allow the project tax levy to be used as match for more types of grants.)

- [HF 2456 Watershed district levy authority modified](#) (Baker, Marquart, Kunesh-Podein)
 - 2/21/18 – Referred to **Property Tax and Local Government Finance Division** committee
 - Committee hearing requested. Tax committee has no deadlines.
- [SF 3077 Watershed districts levy authority modification](#) (Lang, Sparks, Weber, Eken, Johnson)
 - 3/08/18 – Referred to **Taxes** committee
 - 4/25/18 – Bill will be heard in the **Taxes** Committee. Margaret Johnson, Middle Fork Crow River WD will testify on behalf of watershed districts. Thank you, Margaret!

GENERAL LEVY INCREASE**LEADING THIS EFFORT**

MAWD Resolutions: Modify/increase the general fund levy limit for all non-metro watershed districts to \$500,000 (2016) Support increasing the general fund levy limit for the Middle Fork Crow River Watershed District. (2017-05)

UPDATE: We discussed the general levy increase with several legislators. One suggested an inflationary increase to \$350k, but there was no real interest in authoring the tax increase legislation this year.

Drainage (MN Statute 103E)

DRAINAGE WORK GROUP LEGISLATION

MAWD Board Direction: Promote consensus legislation put forth by the drainage work group (DWG).

Description: There were two pieces of legislation brought forward this year – see details below.

DWG 1 – RECOMMENDATIONS FOR ASSISTING WITH DITCH BUFFER IMPLEMENTATION**LEAD w/ AMC, MASWCD**

Description: The legislation introduced was directly related to the [report](#) the drainage work group sent to the legislature on February 1, 2018: “Recommendations for Accelerating Public Drainage System Acquisition and Establishment of Buffer Strips and Alternative Practices” (See Recommendations F1, S1, S2, S3, S6, and P4.)

- [HF 3835 Cost-sharing funding provided to implement riparian buffer strips or alternative practices along public drainage ditches and outreach to landowners, drainage authorities, and their advisors; and money appropriated](#) (Torkelson)
 - Additional funding placed in legislation through the Clean Water Fund (\$5M)
- [HF 3836 \(Article 1\) Agricultural best management practice loan conditions modified to include environmental service providers, and drainage law modified to accelerate ditch buffer implementation](#) (Torkelson)
 - 4/17/18 – 3 provisions from HF3838 Article 1 were included in the **Environment & Natural Resources Policy & Finance Committee’s** Omnibus bill ([HF3502DE2](#) Sections 33, 34, 106) and sent to the **Ways and Means** Committee on 4/19/18

- Three sections of Article 1 that would allow drainage authorities to access larger loans from the Ag BMP Loan Program on behalf of multiple landowners was not included but may show up in another omnibus bill.
- [SF 3410 \(Article 1\) Agricultural best management practice loan conditions modifications to include environmental service providers; drainage law modification to accelerate ditch buffer strip implementation](#) (Weber, Sparks)
 - 4/17/18 – SF3410 was included in the **Environment & Natural Resources Finance Committee's** Omnibus bill
 - 4/18/18 – [SF3141 2nd Engrossment](#) (Article 3) was sent to the **Finance Committee**

DWG 2 – RUNOFF AND SEDIMENT DELIVERY OPTION (FOR REPAIR COST APPORTIONMENT) LEADING w/ AMC

Consensus was reached after the session began and the language was placed on HF3836 & SF3410 as Article 2 of both bills. This legislation has typically been noncontroversial, but due to the lingering controversy surrounding the buffer law, it has become a point of contention politically with some misinformation being spread about any bill dealing with water and especially drainage. The drainage work group will likely revisit over the summer and make sure everyone is on the same page before moving forward again.

- [HF 3836 \(Article 2\) Agricultural best management practice loan conditions modified to include environmental service providers, and drainage law modified to accelerate ditch buffer implementation](#) (Torkelson)
 - 3/15/18 – referred to **Agriculture Policy** committee
 - 3/20/18 – Heard in committee and passed on to the ENR Finance & Policy Committee. Agreed to work with author and several legislators on language.
 - Article 2 was dropped and did not move forward to the **Environment and Natural Resources Policy and Finance Committee's** Omnibus bill
- [SF 3410 \(Article 2\) Agricultural best management practice loan conditions modifications to include environmental service providers; drainage law modification to accelerate ditch buffer strip implementation](#) (Weber, Sparks)
 - 4/17/18 – SF3410 was included in the **Environment & Natural Resources Finance Committee's** Omnibus bill
 - 4/18/18 – SF3141 2nd Engrossment (Article 4) was sent to the **Finance Committee**, but we have been told it will be taken out

DNR PERMITS FOR 103E PROJECTS

PROPOSED BY OTHERS → MONITOR & ACT WHEN NECESSARY

MAWD Board Direction: Monitor and act on any changes to the 103E.

Description: This bill would clarify when DNR permits are required for ditch system repair projects.

- [HF 2687 Public waters and public drainage system laws clarified](#) (Fabian, Hamilton, Poppe, Green, P. Anderson, Grossell, Torkelson, Dettmer)
 - 5/18/17 – Referred to **Environment and Natural Resources Policy and Finance** committee
 - No action in committee, bill is dead for the session
- [SF 2419 Public waters and public drainage system laws clarification](#) (Westrom, Weber, Eken, Sparks, Ingebrigtsen)
 - 5/21/17 Referred to **Environment and Natural Resources Policy and Legacy Finance** committee
 - No action in committee, bill is dead for the session

NOTE: The DNR has issued a Guidance Memo on this topic. See March 23rd Leg update for more details.

DRAINAGE LIEN PRINCIPAL INTEREST RATE MODIFICATION

PROPOSED BY OTHERS → MONITOR / ACT

MAWD Board Direction: Monitor and act on any changes to the 103E.

Description: This bill would remove the interest rate cap set by the state court.

- [HF 3512 Drainage lien principal interest rate modified, definitions modified, and code references updated](#) (Davids)
 - 3/08/18 – referred to **Environment and Natural Resources Policy and Finance** committee
 - 3/15/18 – removed from hearing agenda

- [SF 3097 Drainage lien principle interest rate modification](#) (Chamberlain)
 - 3/08/18 – referred to **Taxes** committee
 - 3/15/18 – withdrawn and re-referred to **Judiciary and Public Safety Finance and Policy** committee
 - 3/20/18 – Heard by committee and amended and re-referred to **Taxes**

ALLOW BENEFITS TO BE UPDATED BASED ON MARKET VALUES FOR REPAIR PROJECTS

MONITOR/ACT

MAWD Board Direction: Monitor and act on any changes to the 103E.

- [HF 2876 Drainage system repair procedures modified](#) (Backer)
 - 2/20/18 – referred to **Environment and Natural Resources Policy and Finance** committee
 - No action, bill dead for session
- [SF 3181 Drain System repair procedures modification](#)
 - 3/12/18 – referred to **Agriculture, Rural Development, and Housing Policy** committee
 - 3/20/18 – Heard in committee, amended and re-referred to **ENR Policy & Legacy Finance** Committee
 - No further action on this bill

NOTE: BWSR sent a letter to Bois de Sioux WD on 3/16/18 explaining how they can do this without any changes to law.

Appropriations

CLEAN WATER FUND

SUPPORT/MONITOR/ACT

This bill specifies how the nearly \$26M extra Clean Water Funds are to be spent in FY 2019. There is currently \$3.67M for additional One Watershed One Plan “Fund the Plan” grants and \$3.5M for competitive grants.

- [HF 4269 Clean water fund money appropriated](#) (Torkelson)
 - 4/19/18 – Bill was included in the Legacy Funding Finance omnibus bill ([HF4167DE1_1](#) Article 2)
- There is currently no senate file with language for Clean Water Fund appropriations.

UPDATE: MAWD sent a letter to legislators and the Governor in support of the recommendations of the Clean Water Council and although this legislation differs from what was proposed, the new appropriations are in line with general watershed priorities.

OUTDOOR HERITAGE FUND

SUPPORT/MONITOR/ACT

Description: These bills specify how \$113.9M is to be spent in FY 2019 with projects identified in the Shell Rock River, Buffalo-Red River, and Minnehaha Creek WDs.

- [HF2789 Outdoor heritage fund appropriations, and notice to local government required before acquiring land in fee](#) (Fabian, Hansen, Gunther, Lillie)
 - 4/19/18 – Bill was included in the Legacy Funding Finance omnibus bill ([HF4167DE1_1](#) Article 2)
- [SF 2688 Outdoor heritage fund appropriations](#) (Lang, Tomassoni, Ingebrigtsen)
 - 4/19/18 – Last action was a second reading in the **Finance** Committee

Bonding

FLOOD HAZARD PROGRAMS / BONDING

SUPPORT/MONITOR/ACT

MAWD Resolution 2017-06: Support stable funding for the DNR's Flood Damage Reduction Grant Program.

Support bonding requests from watershed districts for the Flood Hazard Mitigation Program (2016)

Support a \$500,000 request for flood water retention engineering in the Lac qui Parle Yellow Bank watershed (2013)

- [HF 3742 Cedar River WD funding provided, bonds issues, and money appropriated](#) (Pope)
 - 3/14/18 – referred to **Environment and Natural Resources Policy and Finance** committee
- [SF 3347 Cedar River WD bond issue and appropriation](#) (Sparks)
 - 3/14/18 – referred to **Capital Investment** committee
- [HF 2818 Buffalo-Red River WD flood hazard mitigation funding provided, bonds issued, \\$ appropriated](#) (Backer)
 - 2/20/18 – referred to **Environment and Natural Resources Policy and Finance** committee

- [SF 2509 Buffalo-Red River WD flood hazard mitigation bond issue and appropriation](#) (Westrom)
 - 2/20/18 – referred to **Capital Investment** committee
- [HF 1230 Lac qui Parle Yellow Bank WD funding provided, bonds issues, and money appropriated](#) (Swedzinski)
 - 2/15/17 – referred to **Environment and Natural Resources Policy and Finance** committee
- [SF 761 Lac qui Parle Yellow Bank WD grant bond issue and appropriation](#) (Dahms)
 - 2/09/17 – referred to **Capital Investment** committee

UPDATE: All capital investment bills will be sent directly to the bonding committees for their consideration. The Capital Investment committee in the House has begun to hear bills, the Senate side has not. We really don't know when to expect this bill to be made public.

Water Resource Programs

LIMITED LIABILITY FOR COMMERCIAL SALT APPLICATION

SUPPORT/MONITOR/ACT

MAWD Resolution 2017-04: Support limited liability protections for certified commercial salt applicators (17)

- [HF 3577 Certified salt applicator program established, and liability limited](#) (Anselmo, R. Barr, Haley, Smith, Fenton, Loon, Jurgens, Pugh, Metsa, Fischer, Poston, Heintzeman)
 - 4/17/18 – HF3908 was included in the **Environment & Natural Resources Policy & Finance** Committee's Omnibus bill (HF3502DE2: Article 1 Section 2 appropriates \$199k to the MPCA to administer the program and Article 2 Section 80 contains the policy language.)
 - 4/19/18 – Section 80 subdivision 3 was [amended](#) and sent to the **Ways and Means** Committee.
- [SF 3199 Certified salt applicator program establishment](#) (Ruud, Ingebrigtsen, P. Anderson, Hall, Tomassoni)
 - 3/22/18 – Last action was to refer this to the **Judiciary and Public Safety Finance and Policy** Committee

STORMWATER REUSE TASK FORCE

LEADING THIS EFFORT

MAWD Resolution 2017-07: Create a Stormwater Reuse Task Force that consists of local and state officials involved in water management.

UPDATE: The MN Department of Health released a report that have led us to conclude that our concerns have been heard to the degree we will continue to work with them in an administrative capacity instead of using legislative action at this time.

CRP in FARM BILL

SUPPORT/MONITOR/ACT

MAWD Resolution 2017-03: Support a strong Conservation Reserve Program (CRP) in the 2018 Federal Farm Bill

- Senator Tina Smith is holding listening sessions and asking for feedback on what Minnesotans want to see in the next Farm Bill. Contact your administrator for more information on how you can send feedback to the Senator. MAWD provided details through an email on how to submit comments.

Board Meetings and Manager Per Diems

ELECTRONIC MEETING ATTENDANCE

LEADING THIS EFFORT

MAWD Resolution: Amend the Open Meeting Law to allow electronic meeting participation by WD managers & outside of WD boundaries. (16)

- [HF 3834 WD board meeting requirements clarified for meetings conducted by interactive television](#) (Dettmer, Fischer, Torkelson)
 - 3/15/18 – referred to **Environment and Natural Resources Policy and Finance** committee
- [SF 3499 WD board meeting requirements for meetings conducted by interactive television](#) (Johnson, Sparks, Lang)
 - 3/15/18 – referred to **Environment and Natural Resources Policy and Legacy Finance** committee

NOTE: This legislative effort has been somewhat confusing because the League of MN Cities and some LGU's are presently interpreting the law that they can conduct meetings via interactive TV outside of their geographical boundary legally already. Those groups have asked us not to pursue the legislation and work with them to get the law clarified administratively over the summer and fall. We were scheduled to have a hearing on Monday, March 26th but have decided to pull the legislation at this time to work with LGUs to attain guidance from BWSR and the Attorney General's office on this law (13D).

MANAGER PER DIEMS

LEADING THIS EFFORT

2015 MAWD Resolution: Increase per diems for managers to \$100 per day.

- No action taken on this initiative. MASWCD has a similar resolution to increase per diems to \$150 per day. They have also elected not to pursue the issue this year.

Miscellaneous

AGENCY PERMITTING, WATERSHED TRADING CREDIT

MONITOR/ACT

- [HF 3120 Environmental agency permitting, rulemaking, and fees modified; watershed credit exchange program provided; compliance requirements modified; and money appropriated](#) (Fabian, Heintzeman, Lueck, Ecklund)
 - 2/26/19 – Referred to House ENR Policy & Finance Committee
 - 3/27/18 – Heard in committee and referred to the floor.
- [SF 2705 Environmental agencies permitting, rulemaking, and fees modifications; watershed credit exchange program establishment; effluent limitation compliance, appropriation](#) (Ingebrigtsen, Tomassoni, Ruud, Weber, Mathews)
 - 2/26/18 – Referred to Environmental and Natural Resources (ENR) Policy & Legacy Finance committee
 - 3/15/18 – Committee passed and re-referred to ENR Finance committee
 - Language placed in ENR Omnibus Bill SF3141

CONSERVATION EASEMENT TAX RELIEF

MONITOR/ACT

MAWD Resolution: Advocate for allowing more favorable tax treatment of conservations easements (2016)

- [HF 3512 Agricultural classification of land converted from agricultural use for environmental purposes allowed](#) (Davids)
 - 3/16/18 - Referred by Chair to **Property Tax and Local Government Finance Division** committee
 - No action, AMC opposes legislation
- [SF 3097 Agricultural classification of land converted from agricultural use to environmental purposes authorization](#) (Chamberlain)
 - 3/15/18 – referred to **Taxes** committee, re-referred to ENR Finance, amended, re-referred back to Taxes.
 - No action, AMC opposes legislation

AQUATIC INVASIVE SPECIES QUARANTINE

MAWD Resolution 2017-02: Support temporary quarantine authority to control the spread of aquatic invasive species.

- No action taken on this initiative

CLEAN WATER COUNCIL APPOINTMENTS

2015 MAWD Resolution: Protect the integrity of Clean Water Council appointments from undue influence by state agencies

- No action taken on this initiative



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 6. H. - LMRWD Projects

Prepared By

Linda Loomis, Administrator

Summary

i. Eden Prairie Area #3 Stabilization

No new information to report.

ii. Riley Creek Cooperative project Hennepin County Flying Cloud Drive/CSAH 61 reconstruction project

At the last meeting the Board authorized an agreement with Ames Construction for the Riley Creek Project, subject to staff confirming the budget for the project. The amount of the quote received from Ames was \$73,846.49.

The LMRWD levied for the Riley Creek Project in 2016, 2017 and 2018 and expended funds as follows:

2016	\$45,000
2017	\$100,000
2018	\$50,000
TOTAL Revenue	\$195,000
Project expenses to date	\$36,345.20
Total funds remaining	\$158,654.80
Project cost	\$73,846.49
TOTAL Remaining	\$84,808.31

\$84,808.31 remains after paying for the project. This project was proposed as a cooperative project with the Riley/Purgatory/Bluff Creek Watershed District (RPBCWD) with restoration projects on two reaches of the creek: one reach in the LMRWD and one reach in RPBCWD. The LMRWD committed to share in the cost of the restoration of the reach in RPBCWD. The commitment was \$150,000. The amount of funds remaining after completion of the restoration of the reach in the LMRWD would be used to fund the project in the RPBCWD. The difference between the remaining funds and the commitment made to RPBCWD will come from LMRWD fund balance or levy in 2019.

iii. Floodplain Lake Coring Project with Freshwater Society

Carrie Jennings has informed me that the report for this project will be ready by the end of June. She has submitted an abstract to the Water Resource Conference to present the report and findings at the conference.

iv. Seminary Fen ravine stabilization project

No new information to report.

v. Analysis of Dakota County Monitoring

No new information to report.

vi. East Chaska Creek - CSAH 61 & TH 41 Transportation improvements

No new information to report.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, May 16, 2018

Agenda Item

Item 6. I. - Project Reviews

Prepared By

Linda Loomis, Administrator

Summary

i. City of Burnsville - Dodge of Burnsville

Staff received this project which proposes to increase the amount of impervious service in the floodplain. Staff is reviewing the project.

ii. City of Chaska - MCES L-71 lift station project

Staff received notice of an application for a temporary dewatering permit for this project.

iii. City of Burnsville - Xcel Energy Black Dog Plant

No new information to report

iv. MNDOT - I35W Bridge replacement

Staff received notice of that a permit has been granted to this project for work in the public waters.

Attachments

No attachments

Recommended Action

No action recommended



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, May 16, 2018

Agenda Item

Item 6. J. - Boundary Change - Riley/Purgatory/Bluff Creek, Nine Mile Creek, Minnehaha Creek and Lower Minnesota River Watershed Districts

Prepared By

Linda Loomis, Administrator

Summary

The Board of Water Soil Resources approved the petition adjusting the boundaries between Riley/Purgatory/Bluff Creek, Nine Mile Creek, Minnehaha Creek and Lower Minnesota River Watershed Districts. The order approving the petition is attached.

Attachments

Notice from BWSR to Secretary of State, Steve Simon
Affidavit of Service
Findings of Fact, Conclusions and Order, dated March 28, 2018
Map

Recommended Action

No action recommended

Date: 4/25/2018

To: Steve Simon, Secretary of State (hand delivered)

From: Annie Felix-Gerth, Water Programs Coordinator

RE: Order Riley Purgatory Bluff Creek Watershed District, Minnehaha Creek Watershed District, Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District Boundary Change

Pursuant to Minn. Stat. § 103B.205 to 103B.255, hereby enclosed for filing is a certified copy of the Minnesota Board of Water and Soil Resources Findings of Fact, Conclusions, and Order dated March 28, 2018, including attachment of a map, five pages total, changing the boundaries of the Riley Purgatory Bluff Creek Watershed District, Minnehaha Creek Watershed District, Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District.

Please contact me at 651-238-0677 or annie.felix-gerth@state.mn.us if you have any questions.

Attachments (Affidavit of Service, Order, Map)

c: Riley Purgatory Bluff Creek Watershed District, Claire Bleser
Lower Minnesota River Watershed District, Linda Loomis
Nine Mile Creek Watershed District, Randy Anhorn
Minnehaha Creek Watershed District, Lars Erdahl
City of Minnetonka, Geralyn Barone
City of Deephaven, Dana Young
City of Shorewood, Greg Lerud
City of Chanhassen, Todd Gerhardt
City of Eden Prairie, Rick Getschow
City of Bloomington, Jamie Verbrugge
City of Chaska, Matt Podhradsky
Carver County Auditor, Laurie Davies
Hennepin County Auditor
BWSR: Kevin Bigalke, Steve Christopher, Aaron Spence (email)

AFFIDAVIT OF SERVICE

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

Minnesota Board of Water and Soil Resources

I, Annie Felix-Gerth, Water Programs Coordinator with the Minnesota Board of Water and Soil Resources, County of Ramsey, State of Minnesota, being first duly sworn, on oath says that on April 25, 2018 at 1:00 PM she served the Minnesota Board of Water and Soil Resources Order dated March 28, 2018, relating to the boundary change of the Riley Purgatory Bluff Creek Watershed District, Minnehaha Creek Watershed District, Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District, to Steve Simon, Secretary of State, therein named, personally at the State Office Building, 100 Rev. Dr. Martin Luther King Jr. Blvd, Saint Paul, County of Ramsey, State of Minnesota, by depositing with support staff at the front desk in the Office of the Secretary of State, a certified true and correct copy thereof.

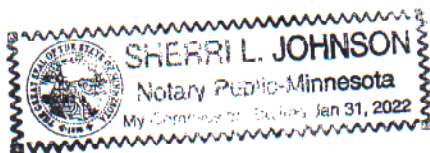
Annie Felix-Gerth

Annie Felix-Gerth

Subscribed and sworn to before me
this 25th day of April, 2018.

Sherril Johnson

Notary Public



Minnesota Board of Water and Soil Resources
520 Lafayette Road North
Saint Paul, Minnesota 55155

In the Matter of the Boundary Change for the Riley Purgatory Bluff Creek Watershed District Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District in Carver and Hennepin Counties pursuant to Minnesota Statutes § 103B.215.

**ORDER
BOUNDARY CHANGE**

Whereas, the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District filed a Petition dated September 18, 2017 with the Board of Water and Soil Resources (Board) to change the boundary of the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District pursuant to Minn. Stat. § 103B.215, and;

Whereas, the Board has completed its review of the Petition;

Now Therefore, the Board hereby makes the following Findings of Fact, Conclusions, and Order.

FINDINGS OF FACT

1. **Petition.** The Petition to change the boundaries of the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District was filed by the Riley Purgatory Bluff Creek Watershed District Board of Managers with the Board on September 18, 2017.
2. **Property Description.** The territory included in the boundary change, the Petitioned Area, is located in Carver and Hennepin Counties entirely within the metropolitan area and totals approximately 2,171.32 acres of land. The transfer of acres is summarized in the table below. The Petitioned Area is depicted on a map attached to the Petition and further identified in property identification tables attached to the Petition.

Table 1. Summary of transfer acres

Current District/WMO	Proposed District/WMO	Area (Ac)
Carver County	Riley Purgatory Bluff	50.88
Lower Minnesota	Riley Purgatory Bluff	136.88
Minnehaha Creek	Carver County	76.70
Minnehaha Creek	Riley Purgatory Bluff	463.01
Nine Mile Creek	Riley Purgatory Bluff	690.37
N/A	Minnehaha Creek	1.61
N/A	Riley Purgatory Bluff	2.48
Riley Purgatory Bluff	Carver County	154.62
Riley Purgatory Bluff	Lower Minnesota	190.88
Riley Purgatory Bluff	Minnehaha Creek	139.79
Riley Purgatory Bluff	Nine Mile Creek	264.09

3. **Reasons for Boundary Change.** The proposed boundary change would achieve a more accurate alignment between the hydrologic and legal boundaries of the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District. The requested boundary change is consistent with the purposes and requirements of Minn. Stat. §§ 103B.205 to 103B.255.
4. **Statements of Concurrence.** The required statements of concurrence pursuant to Minn. Stat. §103B.215, Subd. 2 (c) from the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District were submitted with the Petition.
5. **Effect on Benefits and Damages.** The Petition states the proposed boundary change will not affect the benefits or damages for any improvements previously constructed by the Riley Purgatory Bluff Creek Watershed District, or the Minnehaha Creek Watershed District, or the Nine Mile Creek Watershed District, or the Lower Minnesota River Watershed District pursuant to Minn. Stat. § 103B.225.
6. **Notice of Filing.** Legal Notice of Filing of the proposed boundary change, pursuant to Minn. Stat. § 103B.215, Subd. 3, was published in the Chaska Herald, the Chanhassen Villager, the Eden Prairie News, the Sun Sailor, and the Bloomington Sun Current on February 12th and 19th, 2018, and mailed to the Carver County and Hennepin County Auditors, the Cities of Minnetonka, Deephaven, Shorewood, Chanhassen, Eden Prairie, Bloomington, and Chaska, and all of the watershed districts involved.

7. **Public Hearing.** The Legal Notice of Filing was published pursuant to Minn. Stat. § 103B.215, Subd.3, which requires within 20 days of the last date of publication of the Notice of Filing of the Petition that at least one request for hearing be received by the Board before a hearing will be held. No requests for hearing and no comments were received during the specified period of time and no hearing was held.
8. **Central Region Committee.** On March 8, 2018, the Board's Central Region Committee and staff met in St. Paul to review and discuss the boundary change Petition. Those in attendance from the Board's Committee were Joe Collins – chair, Paige Winebarger, Teresa McDill, Jack Ditmore, Duane Willenbring, and Jill Crafton and Patty Acomb – by telephone. Board staff in attendance were Central Region Manager Kevin Bigalke, and Board Conservationists Steve Christopher & Jason Weirnerman. Board staff recommended approval of the boundary change. After discussion, the Committee unanimously voted to recommend approval of the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District boundary change to the full Board contingent on there being no request for a public hearing.

CONCLUSIONS

1. The Petition for boundary change of the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District is valid in accordance with Minn. Stat. § 103B.215.
2. All relevant substantive and procedural requirements of law and rule have been fulfilled.
3. The Board has proper jurisdiction in the matter of ordering a watershed district boundary change.
4. The territory included in the requested boundary change is within the hydrologic boundaries of the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District.
5. The governing bodies of the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District concur with the requested boundary change.
6. The requested boundary change is consistent with the purpose and requirements of Minn. Stat. §§ 103B.205 to 103B.255.

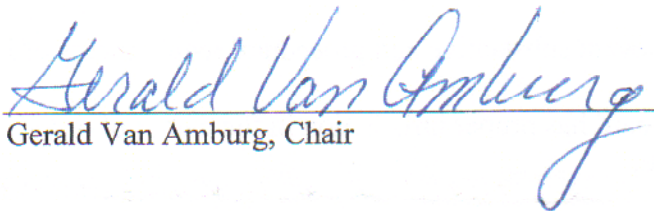
7. The requested boundary change can be accomplished in conformance with Minn. Stat. § 103B.225 regarding benefits and damages.
8. The proposed boundary change should be approved per the Petition for the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District should be encouraged to change their organizational boundaries consistent with this Order.





ORDER

The Board hereby orders that the boundaries of the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District are changed per the Petition as depicted on the map attached to this Order and made a part hereof, including the data sets the map was created from. The Board recommends that the Riley Purgatory Bluff Creek Watershed District, the Minnehaha Creek Watershed District, the Nine Mile Creek Watershed District, and the Lower Minnesota River Watershed District take immediate action to change its organizational boundary consistent with this Order.

Dated at Saint Paul, Minnesota this 28th day of March, 2018.

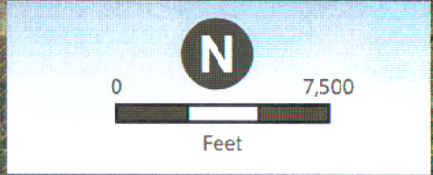
MINNESOTA BOARD OF WATER AND SOIL RESOURCES

By: 
Gerald Van Amburg, Chair

 Proposed RPBCWD Legal Boundary
 Previous/Existing Watershed Boundary
Proposed Parcel Changes
 Leaving RPBCWD
 Joining RPBCWD

PROPOSED LEGAL BOUNDARY UPDATES
 Riley-Purgatory-Bluff Creek Watershed District

Figure 1



Sarr Footer: ArcGIS 10.4.1, 2017-07-03 12:18 File: I:\Client\RPBC_WD\Work_Orders\Out_of_Scope\2016\Legal_Boundary_Updates\Submittals\July_2017\Overview_Letter_Size.mxd User: mbs2

