



Item 5E.
BCWMC 4-16-15

Memorandum

To: Bassett Creek Watershed Management Commission
From: Technical Advisory Committee
Subject: April 2, 2015 Technical Advisory Committee Meeting
Date: April 6, 2015

The Technical Advisory Committee (TAC) met on April 2, 2015. The following TAC members, city representatives, BCWMC commissioners, and BCWMC staff attended the meeting:

City	TAC Members/Alternates	Other City Representatives
Crystal		
Golden Valley	Jeff Oliver	Eric Eckman
Medicine Lake		
Minneapolis	Lois Eberhart	
Minnnetonka	Liz Stout	
New Hope	Bob Paschke	
Plymouth	Derek Asche	
Robbinsdale		
St. Louis Park		
BCWMC Staff & Others	Karen Chandler (Barr Engineering), Laura Jester (Administrator), Jim Prom (Plymouth City Council member)	

The meeting opened at approximately 1:35 p.m. As committee chair Francis was not in attendance, Administrator Jester facilitated the meeting. There were no communications from TAC members. The Technical Advisory Committee (TAC) forwards the following recommendations and information to the Commission.

1. Develop Options for 2017 – 2021 CIP List

Administrator Jester reminded the committee that Commissioners asked the TAC to revisit the 2017 – 2021 CIP list and to bring options back to the Commission at their April meeting showing a table with correct totals and a total levy more evenly distributed across years, if possible. The TAC reviewed three options for the 2017 – 2021 CIP list. The first option was the same list as presented to the Commission at their 3/19/2015 meeting, the second option showed levy funding split over two years for several projects, and a third option moved project 2017CR-M to start in 2018 rather than 2017. Ms. Eberhart noted that she would like to see the 2017CR-M start in 2017 rather than delaying until 2018. She indicated the feasibility study for this project could start later in 2015 or early in 2016. The group also noted that project funding split over two years

doesn't have negative impacts on the project. There was consensus to recommend option two to the Commission.

Recommendation

The TAC forwards three options for the 2017 – 2021 CIP list (Attachment 1) to the Commission and recommends that the Commission approve Option 2 which adjusts the total levy to be more uniform over years but also maintains the original start date of projects.

2. Review Proposed Changes to Requirements Document

Engineer Chandler noted that the Commission's Requirements for Proposals Document (Requirements Document) must be revised to reflect new policies in the draft Watershed Management Plan and that the revised document will be submitted with the 90-day review draft of the Plan. The group wondered when the document would be finalized and how much time there is for TAC review and input. Engineer Chandler reported that the TAC has two meetings (this one and another likely in early May) to review and comment on the revised document. She said she expects the 90-day review draft of the Plan to be submitted to review agencies at the end of May or early June. She noted that she and other Commission Engineers revised Sections 1- 5 of the document thus far, mostly in order to incorporate the MIDS standards as the new Commission water quality standards. The group reviewed changes to the document, asked clarifying questions, and suggested changes to some areas. The group discussed the possibility of changing the order of document sections. Administrator Jester noted that could be done at a later date and/or might be incorporated into the redesigned website. She noted it was most important to first get the content, standards, and requirements revised.

The TAC recommended allowing for water quality models (i.e., P8 and WinSLAMM) other than simply the MIDS calculator, changing the term "grading" to "land disturbance," and exempting single family lots from the requirement to have an erosion and sediment control plan. The group also noted that the document should be very clear on which types of projects triggers which requirements. The group made several other recommendations for changes to the document through Section 5. The committee will review revisions to Sections 6 – 10 at their next meeting, which will include a discussion on what activities are allowed in buffer areas. It was noted that some cities already have requirements for activities within buffers. Ms. Stout, Mr. Ashe, and Mr. Eckman agreed to send their city's buffer requirements to the Commission Engineer so that they might be used or incorporated into the Commission's buffer requirements.

Recommendation

There are no recommendations at this time. The TAC will finalize recommended changes to the Requirements Document at their meeting in early May.

3. Discuss Timing for Flood Control Project Rehab and Replacement Responsibilities study

Administrator Jester reminded the committee that in the fall of 2013, the Commission directed the Commission Engineer to evaluate the costs associated with long term maintenance and replacement needs for the Bassett Creek Flood Control Project, and to review historic documents and agreements for the flood control project. She reported that the potential costs were calculated and presented at the 3/20/14 Commission meeting (staff memos from March 2014 located here under item 6C:

<http://www.bassettcreekwmo.org/Meetings/2014/2014-March/2014MarchMeetingPacket.htm>), but that

responsible parties for completing major rehabilitation or replacement were not identified due to the complexity of the issue. Per the TAC's recommendations at the time, the draft Watershed Management Plan includes policy #22: "During the first five years of Plan implementation, the BCWMC will work with the member cities to determine responsibilities for major rehabilitation and replacement of the Flood Control Project features and establish the associated funding mechanisms." Administrator Jester asked the TAC for input on the appropriate timing and funding for such a study, noting that the retirements of several people with crucial knowledge of the project may happen soon. The TAC briefly discussed the matter, noting the importance of the study and implications of its outcomes. The group even noted that perhaps it would be an opportunity for the Commission to revisit the possibility of acquiring direct taxing authority. The TAC recommended a study get underway in 2015 with use of Long Term Maintenance Funds.

Recommendation

The TAC recommends that the Commission order the Commission Engineer and other staff to complete a study of the BCWMC Flood Control Project's long term maintenance and replacement needs and corresponding responsibilities among cities, agencies, and the Commission. Further, the TAC recommends that this study get started in 2015 with funding from the BCWMC Long-term Maintenance Fund.

The TAC meeting adjourned at approximately 3:25 p.m.

Future TAC Meeting agenda items:

1. Developing guidelines for annualized costs per pound pollutant removal for future CIP projects
2. Agreements with cities to get credit for Commission education programs in MS4 permits
3. Revisions needed for Requirements Document
4. Stream identification signs at road crossings
5. Look into implementing "phosphorus-budgeting" in the watershed – allow "x" pounds of TP/acre.

ATTACHMENT 1

OPTION ONE BCWMC Proposed Capital Improvement Program 2017 – 2021 (As presented at 3/19/15 BCWMC Meeting)

Project Name	Project Location (City)	Project Number	2016 ^a	2017	2018	2019	2020	2021	Totals
Honeywell Pond Expansion, Main Stem Watershed	Golden Valley	BC-4	\$1,202,000						\$1,202,000
Northwood Lake Improvement Project: Construct pond upstream of lake & install underground stormwater treatment and reuse system and bioinfiltration cells	New Hope	NL-1	\$676,000	\$676,000					\$1,352,000
Main Stem Channel Restoration, Cedar Lake Road to Irving Ave	Minneapolis	2017CR-M		\$800,000					\$800,000
Plymouth Creek Restoration, from Annapolis Lane to 2,500 feet upstream (west) of Annapolis Lane	Plymouth	2017CR-P		\$200,000	\$400,000				\$600,000
Water Quality Improvement Site, Main Stem Watershed	Golden Valley	BC-3			\$601,000	\$499,000			\$1,100,000
Sandburg Rd and Louisiana Ave. Water Quality Improvement and Flood Reduction Project, Main Stem	Golden Valley	BC-2/BC-8				\$501,000			\$501,000
Water quality improvements in Bryn Mawr Meadows, Main Stem Watershed	Minneapolis	BC-5				\$500,000			\$500,000
Medley Park Stormwater Treatment Facility	Golden Valley	ML-12					\$500,000		\$500,000
Restoration and stabilization of historic Bassett Creek channel, Main Stem Watershed	Minneapolis	BC-9					\$500,000		\$500,000
Main Stem Channel Restoration, Bassett Creek Dr. to Golden Valley Rd.	Golden Valley	2021CR-M						\$500,000	\$500,000
Stormwater treatment system for dissolved phosphorus removal, Sweeney Lake watershed	Golden Valley	SL-11						\$400,000	\$400,000
Dredging of accumulated sediment in Main Stem Bassett Creek just north of Hwy 55, Wirth Park	Golden Valley	BC-7						\$400,000	\$400,000
TOTAL Estimated Project Cost			\$1,878,000	\$1,676,000	\$1,001,000	\$1,500,000	\$1,000,000	\$1,300,000	\$8,355,000
City Contributions (\$450,000 for BC-4 + \$206,000 for NL-1)			-\$656,000	-\$0	-\$0	-\$0	-\$0	-\$0	-\$656,000
Estimated Levy (without grants)			\$1,222,000	\$1,676,000	\$1,001,000	\$1,500,000	\$1,000,000	\$1,300,000	\$7,699,000

^a Projects already approved for CIP; included in current proposed Plan Amendment; total levy amount to be finalized by June 2015

OPTION TWO BCWMC Proposed Capital Improvement Program 2017 – 2021 (Maintains start years but spreads more projects over two years)

Project Name	Project Location (City)	Project Number	2016 ^a	2017	2018	2019	2020	2021	Totals
Honeywell Pond Expansion, Main Stem Watershed	Golden Valley	BC-4	\$1,202,000						\$1,202,000
Northwood Lake Improvement Project: Construct pond upstream of lake & install underground stormwater treatment and reuse system and bioinfiltration cells	New Hope	NL-1	\$676,000	\$676,000					\$1,352,000
Main Stem Channel Restoration, Cedar Lake Road to Irving Ave	Minneapolis	2017CR-M		\$400,000 \$800,000	\$400,000				\$800,000
Plymouth Creek Restoration, from Annapolis Lane to 2,500 feet upstream (west) of Annapolis Lane	Plymouth	2017CR-P		\$200,000	\$400,000				\$600,000
Water Quality Improvement Site, Main Stem Watershed	Golden Valley	BC-3			\$501,000 \$601,000	\$599,000 \$499,000			\$1,100,000
Sandburg Rd and Louisiana Ave. Water Quality Improvement and Flood Reduction Project, Main Stem	Golden Valley	BC-2/BC-8				\$201,000 \$501,000	\$300,000		\$501,000
Water quality improvements in Bryn Mawr Meadows, Main Stem Watershed	Minneapolis	BC-5				\$500,000			\$500,000
Medley Park Stormwater Treatment Facility	Golden Valley	ML-12					\$500,000		\$500,000
Restoration and stabilization of historic Bassett Creek channel, Main Stem Watershed	Minneapolis	BC-9					\$500,000		\$500,000
Main Stem Channel Restoration, Bassett Creek Dr. to Golden Valley Rd.	Golden Valley	2021CR-M						\$500,000	\$500,000
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TOTAL Estimated Project Cost			\$1,878,000	\$1,276,000	\$1,301,000	\$1,300,000	\$1,300,000	\$1,300,000	\$8,355,000
City Contributions (\$450,000 for BC-4 + \$206,000 for NL-1)			-\$656,000	-\$0	-\$0	-\$0	-\$0	-\$0	-\$656,000
Estimated Levy (without grants)			\$1,222,000	\$1,276,000	\$1,301,000	\$1,300,000	\$1,300,000	\$1,300,000	\$7,699,000

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OPTION THREE BCWMC Proposed Capital Improvement Program 2017 – 2021 (Shifts start date of 2017CR-M to 2018 but eliminates need for split years for 2017CR-M and 2017CR-P)

Project Name	Project Location (City)	Project Number	2016 ^a	2017	2018	2019	2020	2021	Totals
Honeywell Pond Expansion, Main Stem Watershed	Golden Valley	BC-4	\$1,202,000						\$1,202,000
Northwood Lake Improvement Project: Construct pond upstream of lake & install underground stormwater treatment and reuse system and bioinfiltration cells	New Hope	NL-1	\$676,000	\$676,000					\$1,352,000
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