

Proposed BCWMC Capital Improvement Program 2020 – 2024 (proposed changes to previous 2019 – 2023 CIP shown with underline/strikeout)

Item 5Di.
BCWMC 4-19-18

Project Name	City	Number	2019	2020	2021	2022	2023	2024	2025	Totals
Medicine Lake Rd and Winnetka Ave Long Term Flood Mitigation Plan Project	GV, Crystal, New Hope	BC-2,3,8, 10	\$500,000 \$1,100,000	\$1,100,000 \$500,000		\$300,000	\$1,000,000			\$2,900,000
Water quality improvements in Bryn Mawr Meadows, Main Stem Watershed	MPLS	BC-5	\$500,000	<u>\$100,000</u>	<u>\$400,000</u>					\$500,000
Medley Park Stormwater Treatment Facility	GV	ML-12				\$200,000	\$300,000			\$500,000
Restoration and stabilization of historic Bassett Cr channel, Main Stem Watershed	MPLS	BC-9				\$500,000				\$500,000
Mt. Olivet Stream Restoration Project	PLYM	ML-20			\$400,000					\$400,000
Dredging of accumulated sediment in Main Stem Bassett Creek just north of Hwy 55, Wirth Park	GV/MPLS	BC-7			\$400,000					\$400,000
Westwood Lake Water Quality Improvement Project	St. Louis Park	WST-2	\$300,000							\$300,000
Stormwater Pond in Jevne Park to alleviate flooding/improve water quality	Medicine Lake	ML-21		\$200,000 \$500,000	\$300,000					\$500,000
Crane Lake Improvement Project via Ridgedale Drive*	<u>Minnetonka</u>	<u>Crane Lk-1</u>		<u>\$300,000</u>						<u>\$300,000</u>
Parkers Lake Drainage Improvement Project	Plymouth	PL-7			\$200,000 \$100,000	\$200,000 \$300,000				\$400,000
Bassett Creek Main Stem Restoration - Regent Ave to Golden Valley Rd	Golden Valley	2021-CR-M						\$300,000	\$200,000	\$500,000
Bassett Creek Park Water Quality Improvement Project*	Minneapolis	BC-11						\$500,000		\$500,000
Ponderosa Woods Stream Restoration*	Plymouth	ML-22						\$475,000		\$500,000
TOTAL Estimated Project Cost			\$1,300,000 \$1,400,000	\$1,300,000 \$1,400,000	\$1,300,000	\$1,200,000 \$1,300,000	\$1,300,000	\$1,275,000		

*Requires minor plan amendment

Project Category: Water Quality/Water Capacity

Project Title: Crane Lake Water Quality and Capacity Improvements

Total Estimated Cost: \$300,000

BCWMC Project Number: Crane Lk-1

Description:

The city of Minnetonka is in the planning phase of the reconstruction of Ridgedale Drive from Plymouth Road to I-394. This project will include the installation of water quality best practices to protect and improve the water quality of Crane Lake. Improvements may be located in adjacent park space, boulevards, or upstream basins.

Source of Project Funding	2019	2020	2021	2022	2022
CIP Account –BCWMC ad valorem tax levy through Hennepin County		\$300,000			

Justification:

Storm water runoff from approximately 250 acres south and west of Crane Lake currently flows into Crane Lake via the storm sewer system and a series of ponds adjacent to and south of Ridgedale Drive. The drainage area to Crane Lake is nearly developed and includes the Ridgedale Center shopping mall and associated parking lot. The reconstruction of Ridgedale Drive will include the net reduction of impervious surfaces in the project area and installation of water quality best practices to protect/improve the water quality of Crane Lake.

Scheduling and Project Status:

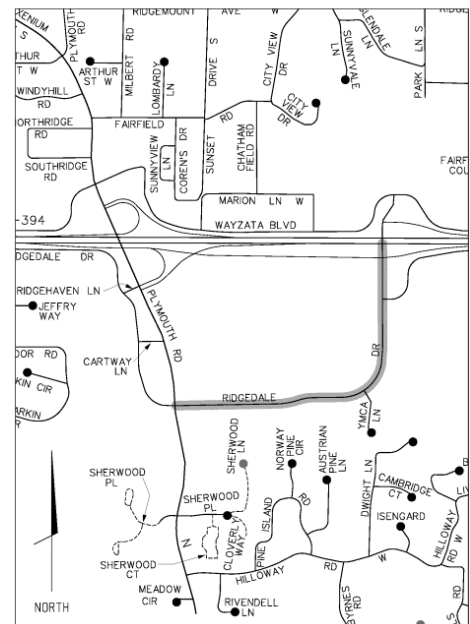
A concept plan should be completed in May 2018. The project is scheduled for construction in 2019 – 2020.

Relationship to BCWMC Plan and Other Projects:

Crane Lake is a shallow 30-acre lake in the Bassett Creek Watershed that drains northerly into Medicine Lake. Crane Lake is designated as a Priority 2 lake. This project meets the gatekeeper criteria of improving/protecting water quality in a priority water body and is likely to address additional Commission goals including improved wildlife habitat. Education components are also being evaluated and may be included in the project. The project is also included in the city of Minnetonka CIP but would require a minor amendment to the Bassett Creek Watershed Management Plan.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Project Category: Water Quality

Project Title: **Bassett Creek Main Stem Restoration - Regent Ave to Golden Valley Rd**

Total Estimated Cost: \$500,000

BCWMC Project Number: 2021 CR-M

Description:

This project in the City of Golden Valley will include bank stabilization measures and erosion repair methods. Consideration will be given to a variety of best management practices. Per BCWMC policy, the Commission will strive to utilize soft armoring techniques as much as possible and where feasible, including bio-logs, erosion control blanket, live stakes and fascines, and native vegetation buffers.

Source of Project Funding	2021	2022	2023	2024	2025
CIP Account – BCWMC ad valorem tax levy through Hennepin County				\$100,000	\$400,000

Justification:

The City of Golden Valley's annual creek inventory identified significant erosion in this reach of the creek. Continued erosion along the stream will result in increased sediment and pollutant loading downstream. Restoration and repair of the Main Stem in this area will reduce phosphorus and is consistent with BCWMC goals regarding water quality.

Scheduling and Project Status:

A Feasibility Study should be completed in 2024. The project is anticipated for construction during the winter of 2025-2026.

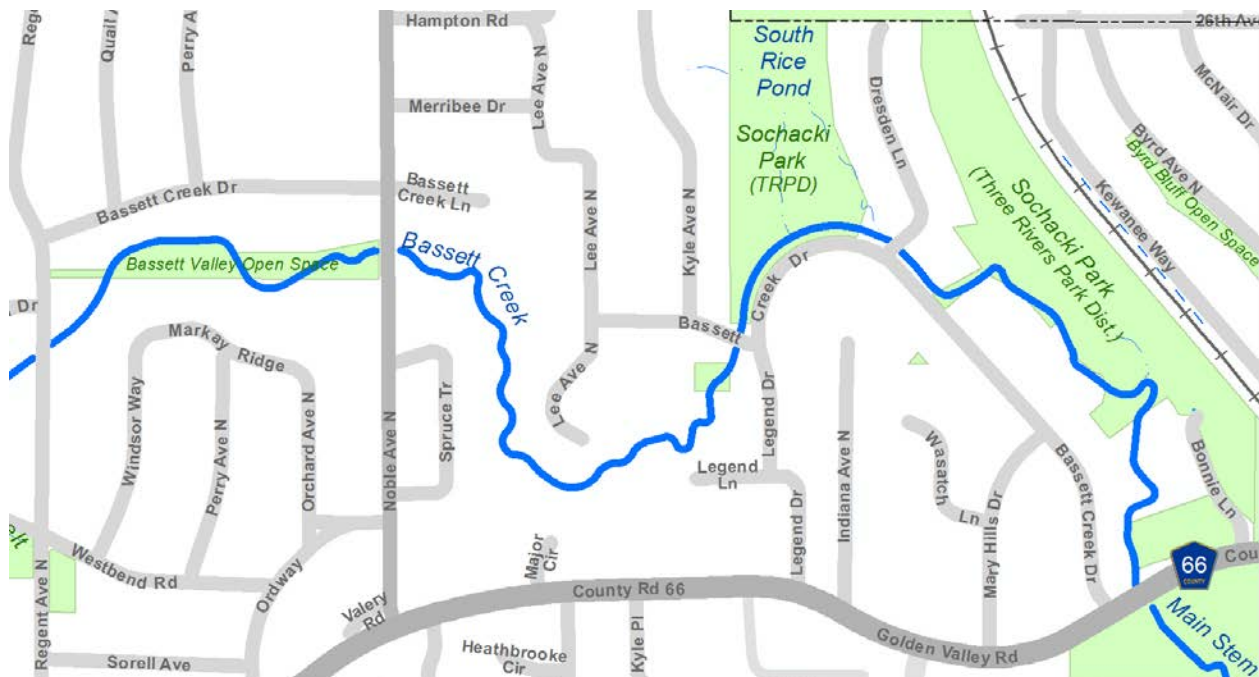
Relationship to BCWMC Plan and Other Projects:

This project is consistent with the goals and policies of the BCWMC Watershed Management Plan. It meets the criteria (policy 111) of protecting and improving water quality in a priority waterbody (Bassett Creek) and addressing erosion and sedimentation issues.

Three Rivers Park District has an interest in Sochacki Park and has been identified as a potential funding partner in this project.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Project Category: Water Quality

Project Title: Bassett Creek Park Water Quality Improvement Project

Total Estimated Cost: \$500,000

BCWMC Project Number: BC-11

Description:

This project will include construction of water quality treatment facilities benefitting the main stem of Bassett Creek in cooperation with the MPRB park renovation. There is an opportunity for a wetland restoration component on the south side of Bassett Creek. Providing a better neighborhood connection to the creek and educational signage will also be considered as components of this project.

Source of Project Funding	2020	2021	2022	2023	2024
CIP Account – BWCMC ad valorem tax levy through Hennepin County					\$500,000

Justification:

This water quality improvement project will remove sediment and pollutants from storm water runoff in the residential and park areas that discharge into Bassett Creek through Bassett Creek Park. The project meets gatekeeper criteria by improving water quality in a priority waterbody and is consistent with BCWMC goals.

Scheduling and Project Status:

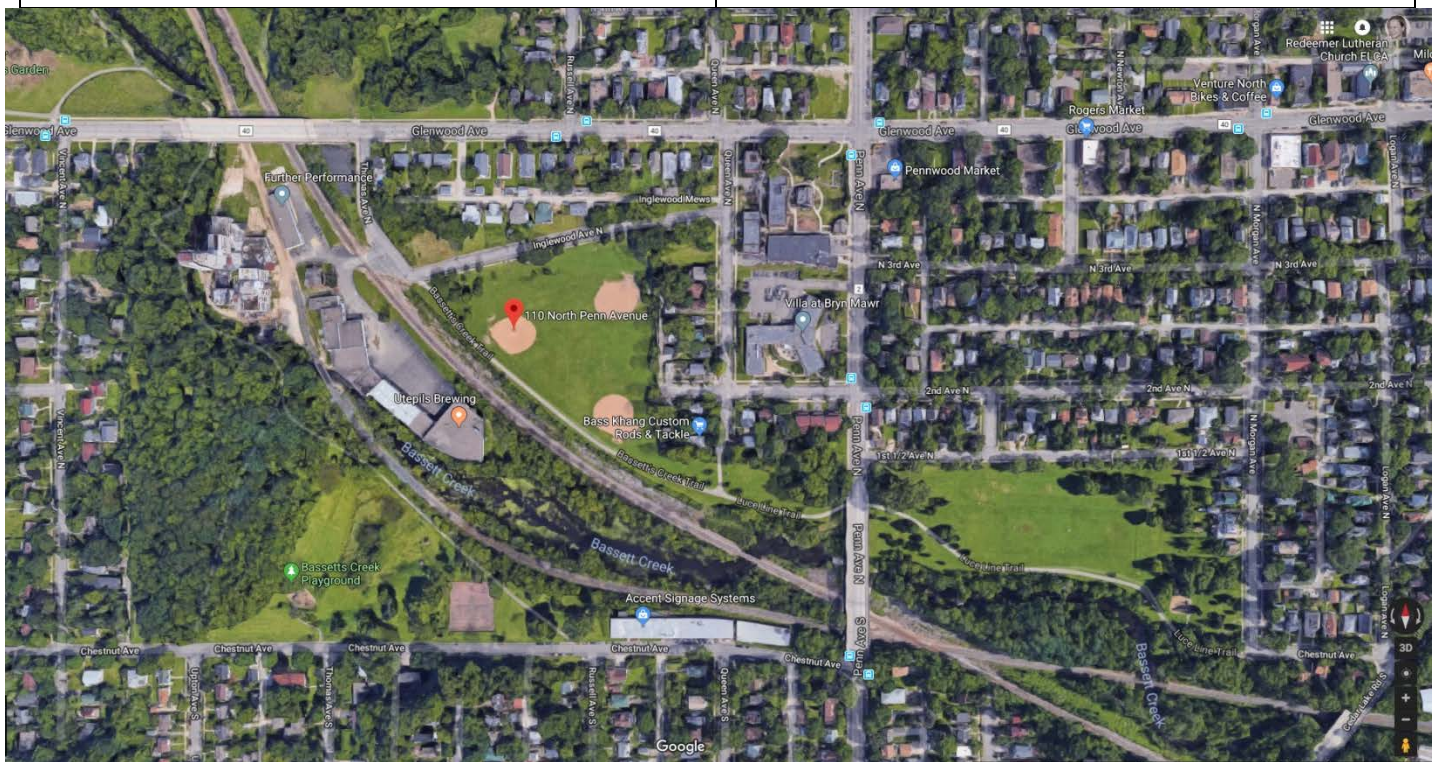
A feasibility study will need to be prepared for this project. A minor plan amendment will also be required. Construction of the project is anticipated for 2024.

Relationship to General Plan and Other Projects:

While this project is consistent with the goals and policies of the BWCMC Watershed Management Plan it is not included in the current BCWMC CIP. A minor plan amendment will be required to add this project to the CIP. This project would be phased to take advantage of the MPRB park reconstruction. The overall project will improve water quality within Bassett Creek and will provide improved wildlife habitat and access to recreation in the creek.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Project Category: Water Quality

Project Title: Ponderosa Woods Stream Restoration

Total Estimated Cost: \$475,000

BCWMC Project Number: ML-22

Description:

This project will restore a stream near Medicine Lake and which drains directly into the Plymouth Creek Water Quality ponds.

Source of Project Funding	2021	2022	2023	2024	2025
CIP Account – BWCMC ad valorem tax levy through Hennepin County				\$475,000	

Justification:

This stream restoration project will remove sediment from storm water runoff in the residential and park areas. Improving water quality in the Medicine Lake watershed is consistent with BCWMC goals.

Scheduling and Project Status:

A feasibility study will need to be prepared for this project. A minor plan amendment will also be required. Construction of the project is anticipated to begin in 2022 or 2024.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BWCMC Watershed Management Plan. This project would assist in meeting the goals of the Medicine Lake Total Maximum Daily Load project. A minor plan amendment will be required to add this project to the BCWMC CIP.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.

