

Project Category: Water Quality/Water Capacity

Project Title: Beacon Heights 2nd Addition Stormwater Improvement Project

Total Estimated Cost: \$150,000

BCWMC Project Number: [Staff will assign number]

Description:

This project in the City of Plymouth will add stormwater treatment to an area that has minimal, if any water quality treatment currently. This project would be constructed in conjunction with a street reconstruction project in 2022. The project would propose to install water quality BMP(s) such as a hydrodynamic separator, ponding or rain gardens in the area shown.

Source of Project Funding	2018	2019	2020	2021	2022
CIP Account – BCWMC ad valorem tax levy through Hennepin County					
	Staff will assign funding year.				

Justification:

This project will improve downstream water quality in Medicine Lake. It would remove sediment from storm water runoff and depending on project design, control rates leaving this development to assist in downstream flooding.

As a part of the project, staff will include educational outreach to the neighborhood.

Scheduling and Project Status:

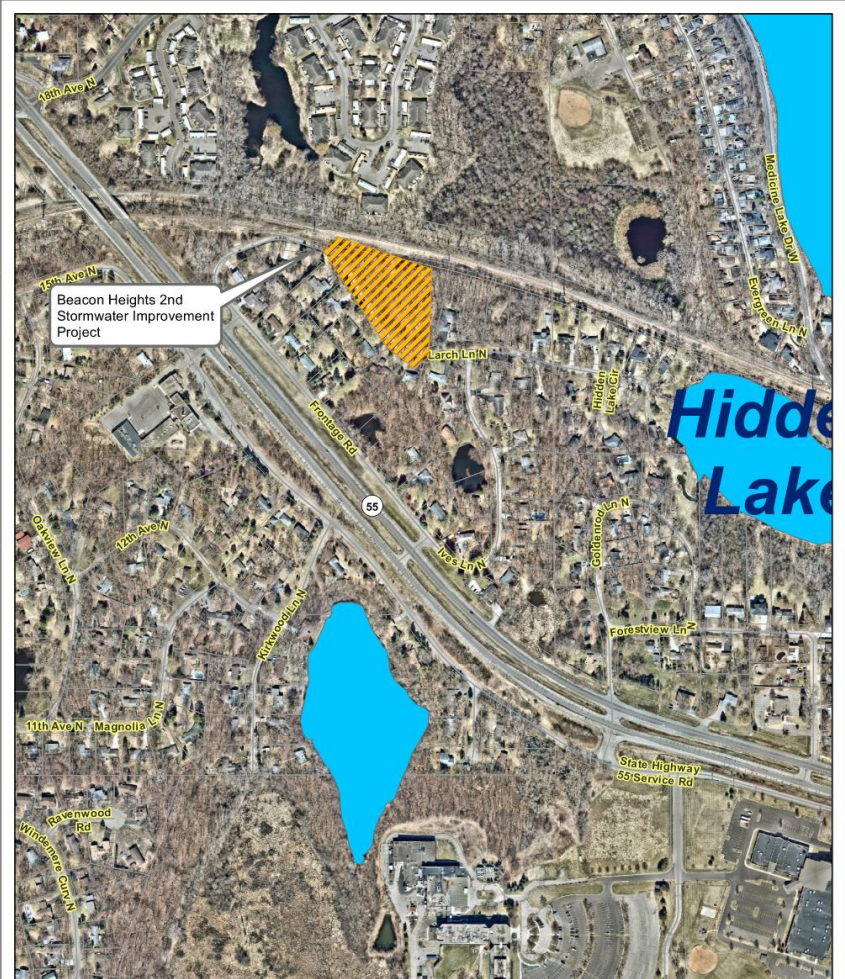
[Staff will provide this information.]

Relationship to BCWMC Plan and Other Projects:

This project is consistent with the goals and policies of the BCWMC Watershed Management Plan. This project would assist in meeting the goals of the Medicine Lake Total Maximum Daily Load project.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Beacon Heights 2nd Stormwater Improvement Project



THIS REPRESENTS A COMPILATION OF INFORMATION AND DATA FROM CITY, COUNTY, STATE AND OTHER SOURCES THAT HAS NOT BEEN FIELD VERIFIED. INFORMATION SHOULD BE FIELD VERIFIED AND COMPARED WITH ORIGINAL SOURCE DOCUMENTS.

Project Category: Water Quality/Water Capacity

Project Title: **Gleason Lake Road Stormwater Improvement Project**

Total Estimated Cost: \$250,000

BCWMC Project Number: [Staff will assign number]

Description:

This project in the City of Plymouth will add stormwater treatment and water quantity capacity to this part of the city. The project is proposed to install water quality BMP(s) such as a hydrodynamic separator, underground ponding or rain gardens in the area shown to achieve the project goals. This project is proposed to be constructed in conjunction with a street reconstruction project in 2023.

Source of Project Funding	2018	2019	2020	2021	2022
CIP Account – BCWMC ad valorem tax levy through Hennepin County					
	Staff will assign funding year.				

Justification:

This project will improve downstream water quality in Parkers Lake as well as improve drainage and water quantity capacity of the area, which has historic drainage issues.

The project is located in the Bassett Creek and Minnehaha Creek watersheds and coordination on improvements will be done during the design phase. Improvements could cross over the jurisdictional boundary of the two watersheds, however funds from the BCWMC would be used for improvements in the Parkers Lake subwatershed.

As a part of the project, staff will include educational outreach to the neighborhood.

Scheduling and Project Status:

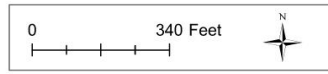
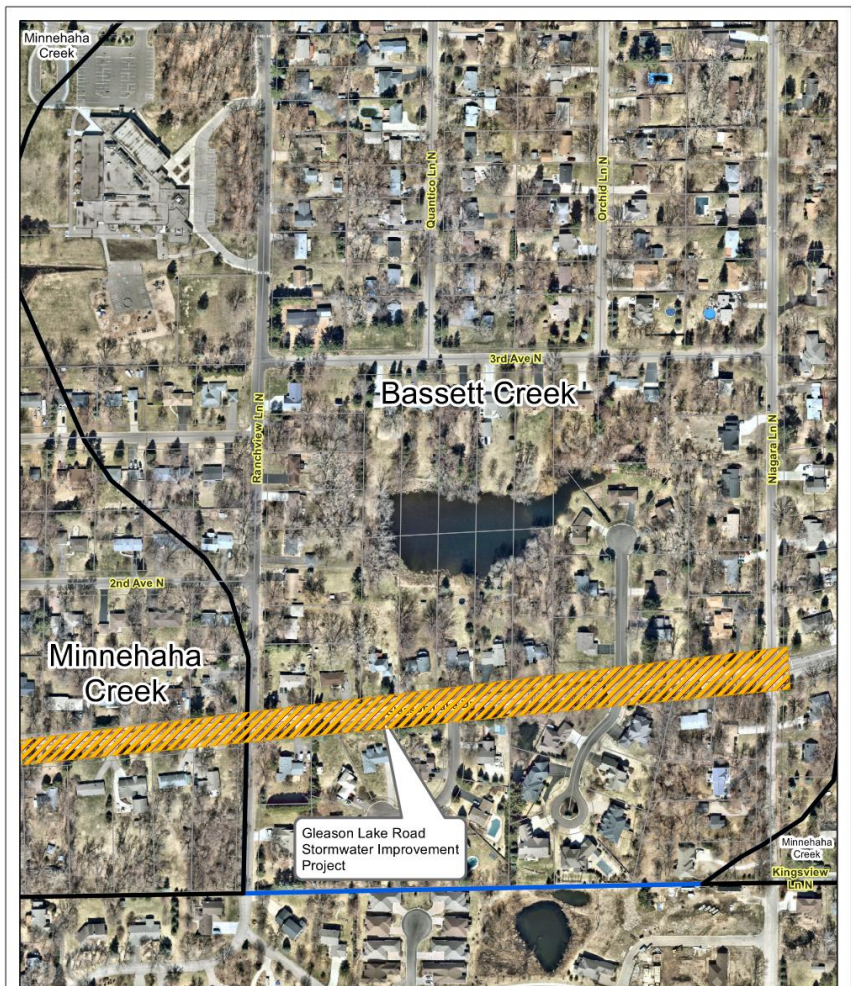
[Staff will provide this information.]

Relationship to BCWMC Plan and Other Projects:

This project is consistent with the goals and policies of the BCWMC Watershed Management Plan.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Gleason Lake Road Stormwater Improvement Project



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Project Category: Water Quality/Water Capacity

Project Title: **Plymouth Creek Stream Restoration – Dunkirk Lane to Yuma Lane**

Total Estimated Cost: \$350,000

BCWMC Project Number: [Staff will assign number]

Description:

This project in the city of Plymouth will repair erosion and sedimentation that is occurring in Plymouth Creek from Dunkirk Lane to Yuma Lane. Various methods of repairing erosion will be investigated including installing of storm sewer pipe, bioengineering techniques, rip rap and gabion installation.

Source of Project Funding	2018	2019	2020	2021	2022
CIP Account – BCWMC ad valorem tax levy through Hennepin County					

Staff will assign funding year.

Justification:

This stream restoration project will remove sediment from storm water runoff and repair erosion and sedimentation within this segment of Plymouth Creek.

As a part of the stream restoration project, educational efforts including outreach and signage along the trail will be included

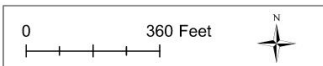
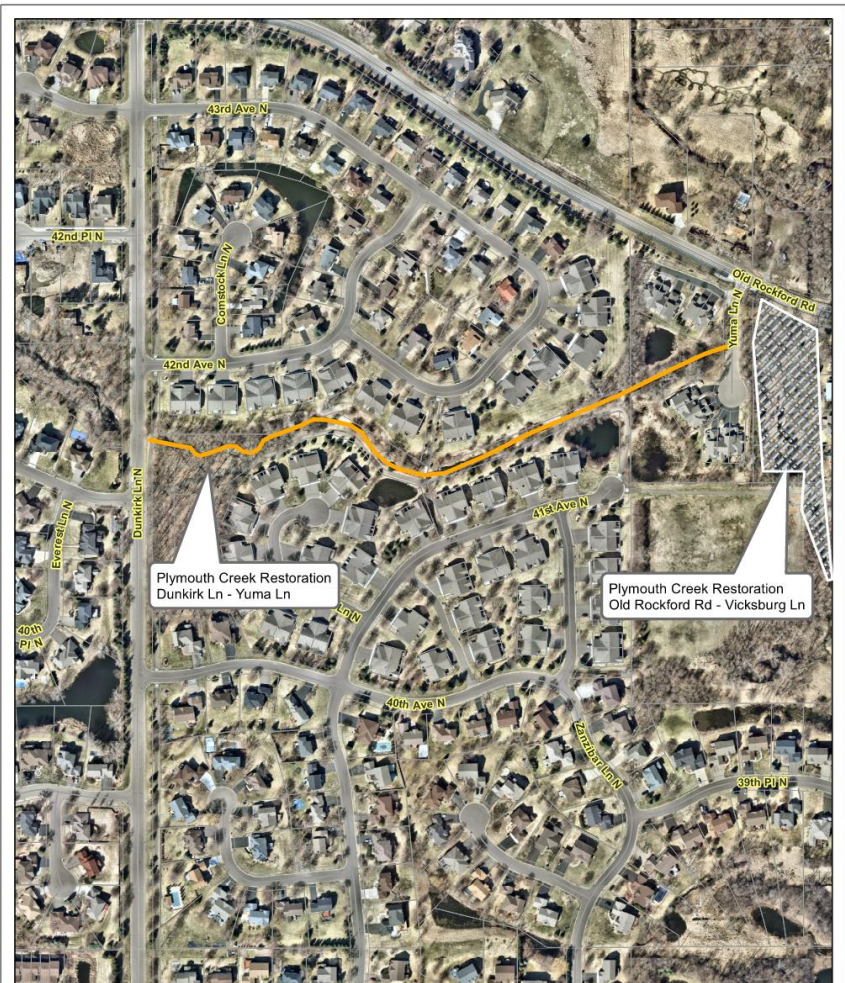
Scheduling and Project Status:
[Staff will provide this information.]

Relationship to BCWMC Plan and Other Projects:

This project is consistent with the goals and policies of the BCWMC Watershed Management Plan. This project would assist in meeting the goals of the Medicine Lake Total Maximum Daily Load project.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



**Plymouth Creek Restoration
Dunkirk Lane to Yuma Lane**



THIS REPRESENTS A COMPILATION OF INFORMATION AND DATA FROM CITY, COUNTY, STATE AND OTHER SOURCES THAT HAS NOT BEEN FIELD VERIFIED. INFORMATION SHOULD BE FIELD VERIFIED AND COMPARED WITH ORIGINAL SOURCE DOCUMENTS.

Project Category: Water Quality/Water Capacity

Project Title: **Plymouth Creek Stream Restoration – Vicksburg Lane to County Road 9**

Total Estimated Cost: \$250,000

BCWMC Project Number: [Staff will assign number]

Description:

This project in the city of Plymouth will repair erosion and sedimentation that is occurring in Plymouth Creek from Vicksburg Lane to County Road 9. Various methods of repairing erosion will be investigated including installing of storm sewer pipe, bioengineering techniques, rip rap and gabion installation.

Source of Project Funding	2018	2019	2020	2021	2022
CIP Account – BCWMC ad valorem tax levy through Hennepin County	Staff will assign funding year.				

Justification:

This stream restoration project will remove sediment from storm water runoff and repair erosion and sedimentation within this segment of Plymouth Creek.

As a part of the stream restoration project, educational efforts including outreach and signage along the trail will be included

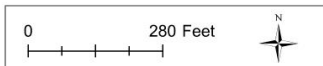
Scheduling and Project Status:
[Staff will provide this information.]

Relationship to BCWMC Plan and Other Projects:

This project is consistent with the goals and policies of the BCWMC Watershed Management Plan. This project would assist in meeting the goals of the Medicine Lake Total Maximum Daily Load project.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



**Plymouth Creek Restoration
Vicksburg Lane to County Road 9**



THIS REPRESENTS A COMPILATION OF INFORMATION AND DATA FROM CITY, COUNTY, STATE AND OTHER SOURCES THAT HAS NOT BEEN FIELD VERIFIED. INFORMATION SHOULD BE FIELD VERIFIED AND COMPARED WITH ORIGINAL SOURCE DOCUMENTS.

Project Category: Water Quality/Flood Reduction

Project Title: Toledo Avenue/Minnaqua Pond Stormwater Improvements

Total Estimated Cost: \$4,000,000
(BCWMC portion \$700,000; HSEM 2,250,000; City 750,000, TRPD 300,000)

BCWMC Project Number: BC-xx

Description:

This project in the City of Golden Valley will include water quality and flood reduction improvements in the Minnaqua Pond area. Key partnerships and funding sources will be utilized to lower flood risk, relocate infrastructure out of the floodplain and improve water quality in Bassett Creek. A redesigned Minnaqua Pond & Bassett Creek will include stormwater treatment, expanded native vegetation buffers, and additional flood storage.

Source of Project Funding	2023	2024	2025	2026	2027
CIP Account – BCWMC ad valorem tax levy through Hennepin County					\$350,000

Justification:

Streets, driveways, and regional trail near Minnaqua Pond are impassable for residents and emergency response vehicles due to frequent flooding. In addition, Bassett Creek flows through Minnaqua Pond depositing sediment and phosphorus at a rate that requires more frequent maintenance and creates a nuisance condition. Bassett Creek is an impaired water.

Relocating infrastructure, creating flood storage, and redesigning the pond/stream interface will lower flood risk and damage, improve water quality of Bassett Creek and downstream waters, improve maintenance, and enhance vegetation and wildlife habitat.

Scheduling and Project Status:

A Feasibility Study will need to be prepared for this project.

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 “gatekeeper” criteria (policy 111) of addressing flooding concerns, and would also improve water quality in a priority waterbody (Bassett Creek). The project is also included in the City of Golden Valley CIP.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.

Project Category: Water Quality

Project Title: Enhanced Street Sweeper

Total Estimated Cost: \$300,000-\$350,000
BCWMC portion \$ _____

BCWMC Project Number: [Staff will assign number]

Description: This project is in the city of Golden Valley. Street sweeping is one of the most cost-effective best management practices for improving water quality and reducing pollutant loading to impaired waters. Utilizing an enhanced street sweeper in Golden Valley will improve the City’s street sweeping program and provide direct benefits to the Bassett Creek watershed and all surface waters within the City.

Source of Project Funding	2018	2019	2020	2021	2022
CIP Account – BCWMC ad valorem tax levy through Hennepin County					

Staff will assign funding year.

Justification:
The City is seeking to purchase a high-efficiency street sweeper to improve program effectiveness and reduce pollutant loading to waterbodies within the Bassett Creek Watershed. Street sweeping is one of the most cost-effective best management practices for improving water quality and reducing pollutant loading to impaired waters. Almost all land in the City of Golden Valley is located within the Bassett Creek Watershed.

Scheduling and Project Status:
For purchase within the next 5 years.

Relationship to BCWMC Plan and Other Projects:
This request meets the CIP “gatekeeper questions” in Policy 110 and the equipment purchase policy. There are impaired waters located within and downstream of Golden Valley. The City is fully developed leaving few opportunities for BMPs, including chloride reduction. Increased or enhanced street sweeping is listed in the BCWMC Plan and TMDL Implementation Plans as a BMP that can improve impaired waters.

Street sweeping is included in the City’s Surface Water Management Plan as a BMP to address water quality impairments.

Effect on Annual Operations Costs:
This project has no effect on BCWMC Annual Operations Costs.

Insert map, photo, and/or aerial view of site. Additional photos or maps can go on next page.