Item 5Di
BCWMC 3-20-14

Bassett Creek Watershed Management Commission
PROPOSED Capital Improvement Program
2016 - 2020

Project Name	Project Location (City)	Project Number	2016	2017	2018	2019	2020	Totals
Water Quality Improvement Site, Main Stem Watershed	Minneapolis	BC-5	$160,000					$160,000
Honeywell Pond Expansion, Main Stem Watershed	Golden Valley	BC-4	$285,000					$285,000
Construct Pond NB 29A,B, and pond west of Northwood Lake, just east of Highway 169, Northwood Lake Watershed	New Hope	NL-1	$555,000	$40,000				$595,000
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		$160,000	$399,000			$559,000
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 Watershed	Golden Valley	BC-2/BC-8				$501,000		$501,000
Medley Park Pond Project	Golden Valley	BC-9					$500,000	$500,000
			$ 1,000,000	**$ 1,000,000**	**$ 1,000,000**	**$ 1,000,000**	**$500,000**	**$ 4,500,000**

Project Category: **Water Quality**

Project Title: **Bryn Mawr Meadows Water Quality Improvement Site, Minneapolis**

Total Estimated Cost: **$160,000**

Project Number: **BC-5**

Description:
This project was described as Option 7 in the Bassett Creek Main Stem Watershed Management Plan (June 2000). The project consists of the construction of a new stormwater Best Management Practice (BMP) in a park near the intersection of Morgan Ave and Laurel Ave, in the City of Minneapolis.

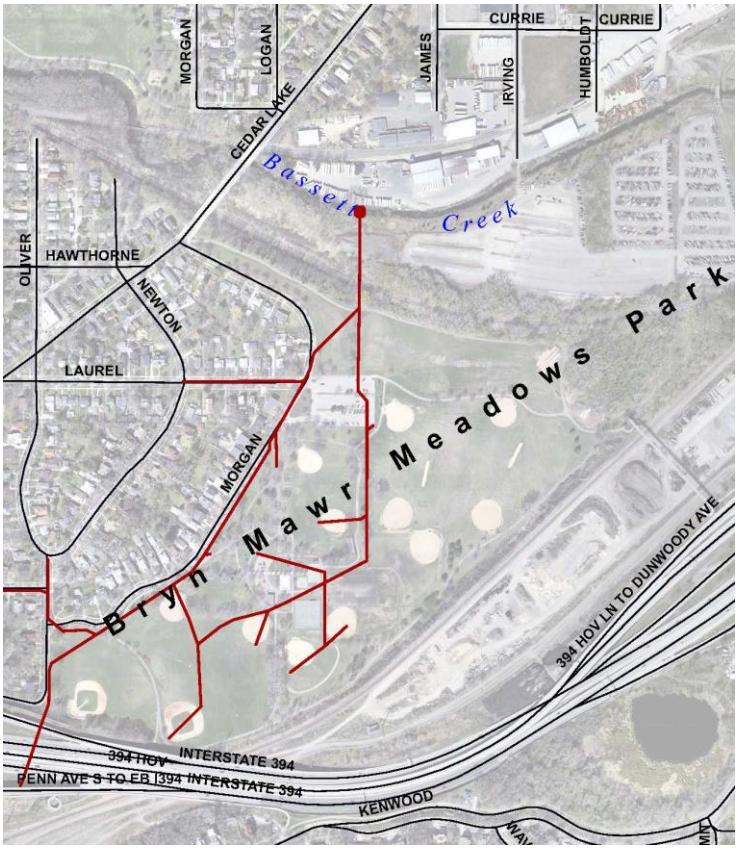
Source of Project Funding	2013	2014	2015	2016	2017
CIP account – BCWMC ad valorem levy through Hennepin County				$160,000	

Justification:
As described in 2000, the BMP would treat runoff from 209 acres of land and would remove an estimated 22 lbs. of phosphorus per year, on average.

Scheduling and Project Status:
A feasibility study will need to be prepared for this project. As the project progresses, additional information will be provided.

Relationship to General Plan and Other Projects:
This project is consistent with the goals and policies of the BCWMC Watershed Management Plan and is included in the BCWMC's Resource Management Plan.

Effect on Annual Operations Costs:
Not known at this time. This will be identified in the Feasibility Study.



Project Category: **Water Quality**

Project Title: **Honeywell Pond Expansion – Douglas Dr and Duluth St**

Total Estimated Cost: $285,000

BCWMC Project Number: BC-4

Description:

This project will be constructed in conjunction with the City of Golden Valley's Douglas Drive Reconstruction project and includes expansion of the existing pond to provide storm water quantity and water quality improvements for the street reconstruction project.

Source of Project Funding	2015	2016	2017	2018	2019
CIP Account – BWCMC ad valorem tax levy through Hennepin County		$285,000			

Justification:

This project will coincide with the city's reconstruction of Douglas Drive. The project will include storm water quantity and water quality improvements that will maximize the rate control and water quality benefits provided by the existing ponding area. Improving rate control and water quality in ponding areas tributary to Bassett Creek 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 2016.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BCWMC Watershed Management Plan and is included in the plan as a "potential future" CIP project (Table 12-3). Per the Bassett Creek Main Stem Watershed Management Plan (2000), this project would remove an estimated 36 pounds of phosphorus per year. A minor plan amendment will be required to add this project to the BCWMC CIP.

The $285,000 is a placeholder cost estimate. A new project cost estimate is expected in 2013.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Project Category: **Water Quantity/Quality**

Project Title: **Jordan Outlot Pond and Pond NB 29A,B**

Total Estimated Cost: $595,000

BCWMC Project Number: NL-1

Description:

This project includes the construction of two ponds for water quantity and quality improvements prior to storm water outlet into Northwood Lake.

Source of Project Funding	2015	2016	2017	2018	2019
CIP Account – BWCMC ad valorem tax levy through Hennepin County		$555,000	$40,000		

Justification:

Northwood Lake is listed as impaired by the MPCA.

The proposed pond known as NB 29A,B will collect storm water from a drainage area of approximately 121 acres prior to outlet into Northwood Lake.

The proposed Jordan Outlot Pond will collect storm water from approximately 43 acres of the TH169 drainage ditch and Jordan Avenue area prior to outlet into Northwood Lake.

Scheduling and Project Status:

This project is anticipated for construction during the winter of 2016-2017. Prior to construction a feasibility study should be completed to better understand options and project costs.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BWCMC Watershed Management Plan and is included in the city of New Hope CIP.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.





Jordan Outlot Pond



NB 29A,B

Project Category: **Water Quality**

Project Title: **Main Stem Channel Restoration, Cedar Lake Road to Irving Avenue, Minneapolis**

Total Estimated Cost: **$800,000**

Project Number: **2017CR-M**

Description:
This project is one of the BCWMC's recommended stream channel restoration projects to restore stream reaches damaged by erosion or affected by sedimentation. The identified measures include installing stream stabilization measures to address erosion problems, grading reaches of streambank, stabilizing storm sewer outfalls that discharge into the channel, and establishing new vegetation on areas disturbed by construction.

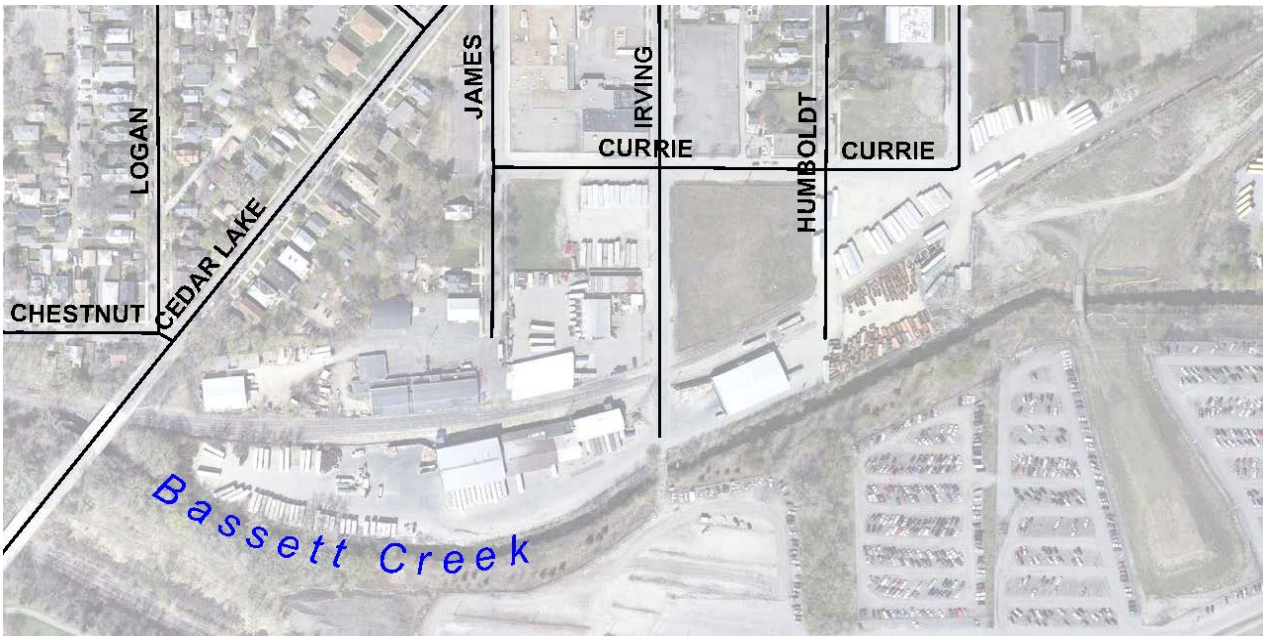
Source of Project Funding	2013	2014	2015	2016	2017
CIP account – BCWMC ad valorem levy through Hennepin County					$800,000

Justification:
This project will provide water quality improvements by repairing actively eroding sites, and preventing erosion at other sites by installing preemptive measures to protect existing streambanks.

Scheduling and Project Status:
A Feasibility Report was completed in 2011 for the 2012/2013 project upstream of this one (BCWMC Account Number 2012CR, Main Stem Restoration for sites between Golden Valley Road and Cedar Lake Road). That Feasibility Report provides preliminary analysis and information for the 2017 project (for sites between Cedar Lake Road and Irving Avenue). A new or revised Feasibility Report will be needed with greater detail about the 2017 project sites.

Relationship to General Plan and Other Projects:
This project is consistent with the goals and policies of the BCWMC Watershed Management Plan. Although this reach is not included in the BCWMC Resource management Plan, it fits with the intent of it due to its proximity and similarity to the other stream projects included in the RMP.

Effect on Annual Operations Costs:
No effect.



Project Category: **Water Quality**

Project Title: **Plymouth Creek Stream Restoration – Annapolis Lane through Plymouth Creek Park**

Total Estimated Cost: $559,000

BCWMC Project Number: 2017CR-P

Description:

This project in the city of Plymouth will include bank stabilization and erosion repair methods and will remove obstructions as necessary. Consideration should be given to a variety of best management practices including coir logs, erosion control blanket, live staking, cross veins, riffles, rip-rap, and buffers.

Source of Project Funding	2015	2016	2017	2018	2019
CIP Account – BWCMC ad valorem tax levy through Hennepin County			$160,000	$399,000	

Justification:
The City of Plymouth erosion inventory along Plymouth Creek, includes erosion and obstructions from Annapolis Lane, 2,500 feet upstream through Plymouth Creek Park. Rehabilitation and repair of Plymouth Creek in this area is consistent with BCWMC goals regarding water quality.

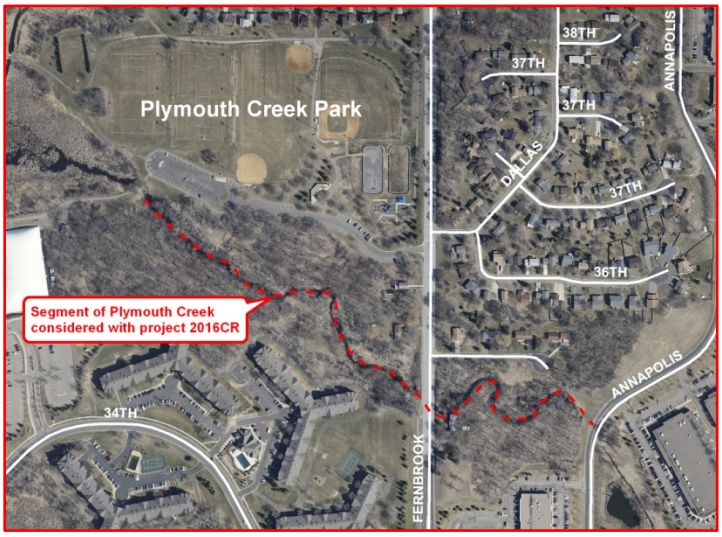
Scheduling and Project Status:
A Feasibility Study should begin on or about April 1, 2015. This project is anticipated for construction during the winter of 2016-2017.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BWCMC Watershed Management Plan and is included in the City of Plymouth CIP.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.





Project Category: **Water Quality**

Project Title: **Main Stem Water Quality Improvement Sites – Wirth Park (north of Plymouth Ave, east of Wirth Pkwy)**

Total Estimated Cost: $1,100,000

BCWMC Project Number: BC-3

Description:

This project will include construction of a water quality pond or similar storm water treatment facility benefitting the main stem of Bassett Creek.

Source of Project Funding	2015	2016	2017	2018	2019
CIP Account – BWCMC ad valorem tax levy through Hennepin County				$601,000	$499,000

Justification:

This water quality improvement project will remove sediment and pollutants from storm water runoff in the residential and park areas generally located north of Plymouth Ave and east of Theodore Wirth Pkwy. Improving water quality in Bassett Creek 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 2018.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BWCMC Watershed Management Plan and is included in the plan as a "potential future" CIP project (Table 12-3). Per the Bassett Creek Main Stem Watershed Management Plan (2000), this project would treat the storm water runoff from a 115-acre area and remove an estimated 131 pounds of phosphorus per year. The project is included in the BCWMC Resource Management Plan. 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.



Project Category:	**Water Quality & Flood Control**
Project Title:	**Sandburg & Louisiana Water Quality Improvement and Flood Reduction Project**
Total Estimated Cost:	$501,000
BCWMC Project Number:	BC-2 / BC-8

Description:

This project will include construction of improvements to improve water quality and reduce flooding in the DeCola Ponds area. The improvements will be made in the area south of the intersection of Sandburg Rd and Louisiana Ave.

Source of Project Funding	2015	2016	2017	2018	2019
CIP Account – BWCMC ad valorem tax levy through Hennepin County					$501,000

Justification:

This flood reduction and water quality improvement project in the area south of the intersection of Sandburg Rd and Louisiana Ave will help protect nearby residences from flooding and remove sediment and pollutants from storm water runoff generated by the surrounding industrial area. Reducing flooding impacts and improving water quality in Bassett Creek 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 2019.

Relationship to General Plan and Other Projects:
This project has been added back in to replace projects BC-2 and BC-8 and will be constructed as one project west of original BC-2 location.

This project is consistent with the goals and policies of the BWCMC Watershed Management Plan. Projects BC-2 and BC-8 are included in the plan as "potential future" CIP projects (Table 12-3). Per the Bassett Creek Main Stem Watershed Management Plan (2000), project BC-2 would remove an estimated 67 pounds of phosphorus per year. Projects BC-2 and BC-8 were included in the BCWMC Resource Management Plan. A minor plan amendment will be required to add this project to the BCWMC CIP. The cost is a placeholder cost estimate. Project cost estimate expected in 2013.

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



Project Category: **Water Quality**

Project Title: **Medley Park Pond – Medicine Lake Watershed**

Total Estimated Cost: $500,000

BCWMC Project Number: BC-9

Description:

This project in the City of Golden Valley will include construction of a storm water treatment pond. Built in the City's Medley Park, the pond will remove phosphorous and sediment from runoff. The park currently has poor soils which are not conducive to recreational programming.

Source of Project Funding	2016	2017	2018	2019	2020
CIP Account – BWCMC ad valorem tax levy through Hennepin County					$500,000

Justification:
Stormwater runoff from the roughly 100 acre watershed in the northwest section of the City of Golden Valley currently flows into ponds on the western side of Medley Park. The proposed stormwater pond would add storage and treatment capabilities to the existing ponds and would remove solids and phosphorous upstream of Medicine Lake.

Scheduling and Project Status:
The project is currently in the very early stages. Design and construction has not yet been scheduled.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BWCMC Watershed Management Plan and will be included in the City of Golden Valley CIP.

Effect on Annual Operations Costs:

This project will have no effect on BCWMC Annual Operations Costs.

