Bassett Creek Watershed Management Commission

Regular Meeting
Thursday, March 17, 2016
8:30 – 11:00 a.m.
Medicine Lake Room, Plymouth City Hall, 3400 Plymouth Blvd., Plymouth MN

AGENDA

1. **CALL TO ORDER and ROLL CALL**

2. **CITIZEN FORUM ON NON-AGENDA ITEMS** - *Citizens may address the Commission 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 Commission will continue with the agenda. The Commission will take no official action on items discussed at the Forum, with the exception of referral to staff or a Commissions Committee for a recommendation to be brought back to the Commission for discussion/action.*

3. **APPROVAL OF AGENDA**

4. **CONSENT AGENDA**
   - A. Approval of Minutes - February 18, 2016 Commission Meeting
   - B. Approval of March 2016 Financial Report
   - C. Approval of Payment of Invoices
     - i. Keystone Waters, LLC – February 2016 Administrator Services
     - ii. Barr Engineering – February 2016 Engineering Services
     - iii. Amy Herbert – February 2016 Secretarial Services
     - iv. ACE Catering – March 2016 Meeting Refreshments
     - v. Wenck – February 2016 WOMP Monitoring
     - vi. MN Pollution Control Agency – VIC application review, 2017 Main Stem project
     - vii. City of Plymouth – Plymouth Home Expo Booth Space
   - D. Set Technical Advisory Committee Meeting for May 5, 2016
   - E. Approval of Reimbursement Request from City of New Hope for Development of Northwood Lake Improvement Project Feasibility Study (NL-1)
   - F. Approval of Three Rivers Park District Regional Trail Improvement Project in New Hope and Crystal
   - G. Receive Final Feasibility Study for Plymouth Creek Restoration Project (2017CR-P)

5. **BUSINESS**
   - A. Receive Presentation on Metro Watershed Partners Clean Water Minnesota Media Campaign
   - B. Receive Overview and Update on Southwest LRT Project
   - C. Consider Request from City of Minneapolis to Allow Southwest LRT Project to Make a New Connection to Bassett Creek Tunnel
   - D. Consider Items Related to City of Golden Valley 2016 Pavement Management Program
     - i. Consider Approval of Variance Request from City of Golden Valley
     - ii. Consider Approval of Project
   - E. Consider Approval of Technical Advisory Committee Recommendations for 5-year Capital Improvement Program
   - F. Discuss BCWMC Education and Outreach Priorities for 2016
   - G. Receive Final Report for Briarwood/Dawnview Water Quality Pond (BC-7)
   - H. Consider Approval of Final Reimbursement Request from City of Golden Valley for Briarwood/Dawnview Water Quality Pond (BC-7)
   - I. Designate Official News Publications of Bassett Creek Watershed Management Commission
   - J. Receive Update on New BCWMC Website
   - K. Receive Responses from MPCA on Commission's Comments on Chloride Total Maximum Daily Load (TMDL) Study
   - L. Receive Update on 2017 Main Stem Erosion Repair Project (2017CR-M)

Bassett Creek Watershed Management Commission

AGENDA MEMO

Date: March 9, 2016
To: BCWMC Commissioners
From: Laura Jester, Administrator
RE: Background Information for 3/17/16 BCWMC Meeting

1. **CALL TO ORDER and ROLL CALL**
2. **CITIZEN FORUM ON NON-AGENDA ITEMS**
3. **APPROVAL OF AGENDA – ACTION ITEM**
4. **CONSENT AGENDA**

   A. Approval of Minutes – February 18, 2016 Commission meeting- **ACTION ITEM with attachment**
   B. Approval of March 2016 Financial Report - **ACTION ITEM with attachment**
   C. Approval of Payment of Invoices - **ACTION ITEM with attachments**
      i. Keystone Waters, LLC – February 2016 Administrator Services
      ii. Barr Engineering – February 2016 Engineering Services
      iii. Amy Herbert – February 2016 Secretarial Services
      iv. ACE Catering – February 2016 Meeting Refreshments
      v. Wenck – February 2016 WOMP Monitoring
      vi. MN Pollution Control Agency – VIC application review, 2017 Main Stem project
      vii. City of Plymouth – Plymouth Home Expo Booth Space

   D. Set Technical Advisory Committee Meeting for May 5, 2016 – **ACTION ITEM no attachment** – *The Technical Advisory Committee should meet in early May to address several topics including application of MIDS for linear projects, a possible shoreland and habitat monitoring program, and long term maintenance of CIP projects.*

   E. Approval of Reimbursement Request from City of New Hope for Development of Northwood Lake Improvement Project Feasibility Study (NL-1) – **ACTION ITEM with attachment –** *At their meeting in May 2014, the Commission approved an agreement with the City of New Hope for the development of a feasibility study for the Northwood Lake Improvement Project for an amount not to exceed $30,000. The City submitted the attached reimbursement request and documentation of expenses. Staff recommends approval of the reimbursement.*

   F. Approval of Three Rivers Park District Regional Trail Improvement Project in New Hope and Crystal – **ACTION ITEM with attachment** – *Three Rivers Park District (TRPD) is proposing a regional trail, extending from French Regional Park through the Cities of Plymouth, New Hope, Crystal, Golden Valley and into Minneapolis ending at Theodore Wirth Park. The current phase of the proposed project includes construction of and improvements to 2.8 miles of off-road, multi-use trail from Boone Avenue in New Hope to Welcome Avenue in Crystal. The trail will cross North Branch Bassett Creek three times. The project is meeting the Commission's floodplain, stormwater management, and erosion control requirements. Staff recommends approval of the proposed project with the comments attached.*

   G. Receive Final Feasibility Study for Plymouth Creek Restoration Project (2017CR-P) – **INFORMATIONAL ITEM with attachment** - *At their February 2016 meeting, the Commission reviewed, discussed, and approved the Draft Feasibility Report for Plymouth Creek Restoration Project with minor suggested revisions. The attached memo summarizes the changes made to the report based on the discussion and comments. The final feasibility report is available on the project page at: http://www.bassettcreekwmo.org/index.php?cID=284.*

5. **BUSINESS**

A. Receive Presentation on Metro Watershed Partners Clean Water Minnesota Media Campaign – **INFORMATIONAL ITEM with attachment** – *The Commission annually contributes $3,500 of its education funds to support the Clean Water Minnesota media campaign produced and implemented by the Metro Watershed Partners (WSP). The BCWMC Education Committee requested a brief presentation regarding the media campaign to better understand the program that the Commission annually supports. Peggy Knapp with Freshwater Society and a WSP Steering Committee member will provide information at the meeting.*

B. Receive Overview and Update on Southwest LRT Project – **INFORMATIONAL ITEM no attachment** – *In light of the next agenda item, staff thought Commissioners might like an update on the Met Council's Southwest Light Rail Transit Project (SWLRT). Metro Transit staff for the SWLRT Project will provide a brief presentation and will be available to help answer questions during the discussion for item 5C.*

C. Consider Request from City of Minneapolis to Allow Southwest LRT Project to Make a New Connection to Bassett Creek Tunnel – **ACTION ITEM with attachments** – *The City of Minneapolis is requesting that the Commission approve a direct connection to the Bassett Creek Tunnel to facilitate storm water management for the SWLRT Project. Tunnel connections are not allowed unless they meet specific hydraulic and hydrologic conditions and must be approved by the Commission. The attached memo from the Commission Engineer provides results of analyses performed to ensure requirements are met. The letter requesting the connection is attached with the Commission Engineer's Memo. A map showing the proposed tunnel connection is also attached. Finally, a resolution approving the proposed connection drafted by the Commission's legal counsel is attached for the Commission's consideration. Staff recommends conditional approval of the request.*

D. Consider Items Related to City of Golden Valley 2016 Pavement Management Program

   i. Consider Approval of Variance Request from City of Golden Valley – **ACTION ITEM with attachments** – *The City of Golden Valley is requesting a variance from the BCWMC water quality standards (MIDS) for their proposed 2016 pavement management program in the attached letter. Although the City is requesting a variance now, storm water management projects to be constructed in the same area in 2018 will provide offsite mitigation for the current pavement management program. Offsite treatment is allowed in the MIDS flexible treatment options. (See Commission Engineer memo in 5Dii for more information.) Staff recommends approval of the attached resolution drafted by BCWMC legal counsel granting a variance from the MIDS performance goal in accordance with Section 3.3 of the Requirements document with the condition that the City provide future offsite treatment.*

   ii. Consider Approval of Project – **ACTION ITEM with attachment** – *If the above variance is granted, the Commission Engineer recommends approval of the overall project with comments included in the attached memo.*

E. Consider Approval of Technical Advisory Committee Recommendations for 5-year Capital Improvement Program – **ACTION ITEM with attachment** – *Each year the TAC considers various projects and makes recommendations for the Commission's 5-year Capital Improvement Program (CIP). The TAC recommends the projects in the attached table and fact sheets be included in the 2018 – 2022 CIP. Years 2016 and 2017 are also included in the table with funding levels reflective of recent changes to the Northwood Lake Improvement Project budget and estimated costs in the Plymouth Creek Feasibility Study. If this 5-year CIP is approved, the feasibility study for the project starting in 2018 (Bassett Creek Park Pond Dredging) would begin later this year. Staff recommends approval of the proposed 5-year CIP.*

F. Discuss BCWMC Education and Outreach Priorities for 2016 – **DISCUSSION ITEM with attachment** - *The BCWMC Education Committee met on March 1st to discuss plans for education and outreach efforts in 2016. They had a good discussion and decided on recommendations for several aspects of the 2016 education work plan and budget. However, they wish to get input from the Commission on additional topics. The committee wishes to know if Commissioners have ideas for specific educational topics for this year. Some topics/tasks they are considering include education on chlorides to residents or commercial applicators; creek identification signs at road crossings; financial support to Metro Blooms for Harrison Neighborhood Project; overhaul of the BCWMC event display (including adding interactive electronic features); and the development of a series or library of presentations to be given by Commissioners at community organizations, events and functions. The Commission should discuss and/or prioritize these items or other ideas so the committee can make an informed recommendation at the April Commission meeting. Additionally, staff would like input on the attached list of events for possible BCWMC participation this year.*

G. Receive Final Report for Briarwood/Dawnview Water Quality Pond (BC-7) – **INFORMATION ITEM with attachment** – *Construction and vegetation establishment was recently completed on the 2014 CIP project – Briarwood Dawnview Water Quality Pond. Golden Valley staff prepared the final report attached here and will be available to describe the project outcomes and answer questions at the meeting.*

H. Consider Approval of Final Reimbursement Request from City of Golden Valley for Briarwood/Dawnview Water Quality Pond (BC-7) – **ACTION ITEM with attachment** – *Staff recommends approval of the first and final reimbursement for the Briarwood Dawnview Project. The request includes reimbursements for the development of the feasibility study under a 2012 cooperative agreement with the City as well as design and construction under a 2013 cooperative agreement.*

I. Designate Official News Publications of Bassett Creek Watershed Management Commission – **ACTION ITEM with attachment** – *At its February meeting, the Commission did not designate an official publication. It was noted that although Finance & Commerce's circulation reaches all nine member cities, it is not a publication read by a typical resident. Staff was asked to research options including the Star Tribune. The attached table includes options and costs for consideration along with a staff recommendation for an official publications and additional publications.*

J. Receive Update on New BCWMC Website – **INFORMATIONAL ITEM no attachment** – *The new website is live! Staff will update the Commission on communications about the site and is happy to take comments if glitches or inaccuracies are noted by Commissioners. (Please note that links embedded within previous meeting materials will no longer function.)*

K. Receive Responses from MPCA on Commission's Comments on Chloride Total Maximum Daily Load (TMDL) Study - **INFORMATIONAL ITEM with attachment** – *In August 2015, the Commission submitted comments on the MPCA's draft Twin Cities Metropolitan Area Chloride Management Plan and TMDL. Responses to those comments were recently received and are attached here. The TMDL was finalized by the MPCA and submitted to the U.S. EPA for approval. The Commission should continue to monitor chloride levels in waterbodies and find ways to reduce chloride inputs to surface and groundwater.*

L. Receive Update on 2017 Main Stem Erosion Repair Project (2017CR-M) – **INFORMATIONAL ITEM no attachment** – *The draft feasibility study for this project is near completion and will be forwarded to Minneapolis city staff and me in the coming week. City staff, the Commission Engineer and I will meet at the end of March to discuss the study and make revisions, as needed. The draft study will be presented to the Commission at their April meeting.*

6. COMMUNICATIONS

A. Administrator's Report – **INFORMATION ITEM with attachment**
   a. Biennial Budget Request (BBR) Submittal to MN Board of Water and Soil Resources
B. Chair
C. Commissioners
D. TAC Members
E. Committees
   a. Education Committee (see agenda item 5F)
F. Legal Counsel
G. Engineer

7. INFORMATION ONLY (Information online only)

A. CIP Project Updates: Now Available Online http://www.bassettcreekwmo.org/projects
B. Grant Tracking Summary and Spreadsheet
C. WMWA February 2016 Minutes
D. 2016 Urban Waters Forum http://www.arboretum.umn.edu/2016UrbanWaters.aspx
E. Bassett Creek Clean Up @ Bassett Creek Park, MPLS
   https://www.minneapolisparks.org/activities__events/events/earth_day_cleanup/#group_1_219258
F. Raingarden Workshops by Metro Blooms
G. 2015 WMWA Annual Report

8. ADJOURNMENT

Upcoming Meetings & Events

- Plymouth Home Expo: Friday April 8th, 6:00 – 9:00 p.m. and Saturday April 9th, 9:00 a.m. – 1:00 p.m., Plymouth Creek Center Fieldhouse, http://www.plymouthmn.gov/index.aspx?page=18&recordid=6045
- Organic Living Workshop: Saturday April 16th, 9:00 a.m. – 3:00 p.m., The Rec Center in St. Louis Park http://www.stlouispark.org/events/organic-living-workshop.html
- BCWMC Regular Meeting: Thursday April 21st , 8:30 a.m., Medicine Lake Room, Plymouth City Hall
- Bassett Creek Clean Up: Saturday April 23rd, 9:30 – 12:00 a.m., Bassett Creek Park, (SE corner of Penn Ave. N. and 1 ½ Ave. N.),
  https://www.minneapolisparks.org/activities__events/events/earth_day_cleanup/#group_1_219258
- Urban Waters Forum: Saturday April 23, 2016, 8:30 a.m. – 12:30 p.m., MN Landscape Arboretum, register at http://www.arboretum.umn.edu/2016UrbanWaters.aspx

Item 4A
BCWMC 3-17-16

Bassett Creek Watershed Management Commission

Minutes of Regular Meeting
February 18, 2016
Plymouth City Hall, 8:30 a.m.

Commissioners and Staff Present:

Crystal	Commissioner Guy Mueller, Vice Chair	Plymouth	Alternate Commissioner David Tobelmann
Golden Valley	Commissioner Stacy Hoschka, Treasurer	Robbinsdale	Alternate Commissioner Michael Scanlan
Medicine Lake	Alternate Commissioner Gary Holter	St. Louis Park	*Not represented*
Minneapolis	Commissioner Michael Welch	Administrator	Laura Jester
Minnetonka	Commissioner Jacob Millner	Attorney	Troy Gilchrist, Kennedy & Graven
New Hope	Commissioner John Elder	Engineer	Karen Chandler and Jeff Weiss, Barr Engineering

Technical Advisory Committee (TAC) Members/ Other Attendees Present:

Derek Asche, TAC, City of Plymouth	Jane McDonald Black, Alternate Commissioner, City of Golden Valley
Erick Francis, TAC, City of St. Louis Park	Pat Crough, Alternate Commissioner, City of New Hope
Jeff Oliver, TAC, City of Golden Valley	Bob Paschke and Chris Long, TAC, City of New Hope
Richard McCoy, TAC, City of Robbinsdale	Tom Mathisen, Resident, City of Minnetonka
Tom Dietrich, TAC, City of Minnetonka	Robert White, Jere and Mary Gwen Lenth, Friends of Northwood Lake

1. CALL TO ORDER AND ROLL CALL

On Thursday, February 18, 2016, at 8:35 a.m. in the Medicine Lake Room at Plymouth City Hall, 3400 Plymouth Boulevard, Vice Chair Mueller (in Chair de Lambert's absence) called to order the meeting of the Bassett Creek Watershed Management Commission (BCWMC) and asked for roll call to be taken [City of St. Louis Park absent from roll call].

2. CITIZEN FORUM ON NON-AGENDA ITEMS

There were no comments from citizens attending the meeting. Vice Chair Mueller noted that since the Commission had last met, former legal counsel to the Commission, Charlie LeFevere, had passed away. Several Commissioners and staff offered remembrances about Mr. LeFevere.

3. AGENDA

MOTION: Commissioner Elder moved to approve the agenda. Alt. Commissioner Scanlan seconded the motion. Upon a vote, the motion carried 8-0 [City of St. Louis Park absent from vote].

4. CONSENT AGENDA

Commissioner Welch asked that item 4F *Approval to Designate Finance and Commerce as the Official News Publication of the BCWMC* be removed from the consent agenda.

MOTION: Commissioner Welch moved to approve the consent agenda as amended. Commissioner Elder seconded the motion. Upon a vote, the motion carried 8-0 [City of St. Louis Park absent from vote].

[The following items were approved as part of the consent agenda: the January 21, 2016, Commission Meeting Minutes, the FY2015 Year End Financial Report, the February 2016 Financial Report, the payment of invoices, Resolution 16-03 Designating Depositories for Bassett Creek Watershed Management Commission Funds, Request for Reimbursement from City of New Hope for Northwood Lake Water Quality Improvement Project (NL-1), Agreement with Metropolitan Council for 2016- 2017 Watershed Outlet Monitoring Program, 2016 Northwood Lake Improvements, New Hope, Agreement with Hennepin County for 2016 River Watch Program].

The general and construction account balances reported in the Fiscal Year 2015 Year End Financial Report are as follows:

Checking Account Balance	$629,992.43
TOTAL GENERAL FUND BALANCE	$629,992.43
TOTAL CASH & INVESTMENTS ON-HAND (2/10/16)	$3,493,496.41
CIP Projects Levied – Budget Remaining	($3,335,710.58)
Closed Projects Remaining Balance	$157,785.83
2012-2014 Anticipated Tax Levy Revenue	$6,668.33
2015 Anticipated Tax Levy Revenue	$1,499.07
Anticipated Closed Project Balance	$165,953.23

5. ORGANIZATIONAL MEETING

A. Appoint Officers

Vice Chair Mueller asked if any Commissioners were interested in holding a Commission office. He noted that he was willing to remain as Vice Chair and that at the January meeting, Chair de Lambert expressed interest in remaining as Chair (if there were no other Commissioners interested in the position). Commissioner Hoschka noted she was willing to remain as Treasurer. Commissioner Millner advised the group that he would be leaving the Commission when the City of Minnetonka can find a replacement for him.

He noted given that information, he should not be elected as Secretary. Administrator Jester reminded the group that the positions of Secretary and Treasurer can be combined into one position per the Commission bylaws.

Commissioner Welch nominated Commissioner Hoschka as Secretary/Treasurer. Commissioner Hoschka accepted the nomination. Vice Chair Mueller called for additional nominations of officers.

MOTION: Commissioner Welch moved to elect the slate of officers including de Lambert as Chair, Mueller as Vice Chair, and Hoschka as Secretary/Treasurer. Alt. Commissioner Scanlan seconded the motion. Upon a vote, the motion carried 7-0. [City of St. Louis Park absent from vote]

B. Review 2016 Commission Calendar and Areas of Work

Administrator Jester reviewed the Commission calendar, noting that it was not an exhaustive list of items the Commission will be considering this year, but included items that would come before the Commission over the course of the year. She also reviewed the various Commission committees and the work they would be concentrating on this year and approximate timing of meetings. There was some discussion about if a certain committee should discuss water quality monitoring activities of the Commission. It was noted that would be included as a discussion item during the presentation of 2015 monitoring results at the March meeting and would also be considered by the budget committee.

C. Appoint Committee Members

The following Commissioners and others volunteered for the various Commission committees (noted below). Administrator Jester noted that committees could add and subtract members over the course of the year. She noted the Aquatic Plant Management/Aquatic Invasive Species (APM/AIS) committee would likely meet monthly during the year.

Administrative Services Committee: Commissioners/Alt. Commissioners de Lambert, Mueller, Hoschka, Crough, Black, Tobelmann

Budget Committee: Commissioners/Alt. Commissioners de Lambert, Mueller, McDonald Black, Black

Education Committee: Commissioners/Alt. Commissioners Hoschka, Black, Tobelmann, and former Commissioner Dan Johnson

APM/AIS Committee: Commissioners/Alt. Commissioners Hoschka, Carlson, Welch, Black, Tobelmann, TAC members Tom Hoffman (Golden Valley), Derek Asche (Plymouth), Commission Engineers

D. Review Year End Financial Status (Fiscal Year 2015)

Administrator Jester reported that the year-end financial statement (found in Item 4B) shows some areas to be over budget and others to be under budget. She noted that in addition to the $5,114 remaining in the operating budget account, another approximately $18,000 will be reimbursed to the Commission for work done in 2015 with regards to the Blue Line and Southwest Light Rail Transit lines and the modeling of the tunnel (to be partially paid by the City of Minneapolis). Administrator Jester listed some items and issues that pushed the water quality monitoring budget well over budget including unanticipated meetings and review of the bacteria and chloride TMDLs, the new species of plant found in Westwood Lake, and the development of water quality content and graphs for the new website.

There was some discussion about why the Commission does not include a contingency line item and how the "surveys and studies" line item is used for unanticipated tasks similarly to a contingency fund.

E. Review Open Meeting Law

Administrator Jester and Legal Counsel Gilchrist briefly reviewed the general provisions of the open meeting law, reminding Commissioners, in particular, not to get involved in a discussion via email. Legal Counsel Gilchrist recommended that Commission committees follow the open meeting law including being properly noticed. He also noted that comments via social media are not considered to be covered by open meeting law, unless a discussion is occurring via private messaging.

6. BUSINESS

4F. (from consent agenda) Approval to Designate *Finance and Commerce* as the Official News Publication of the Bassett Creek Watershed Management Commission

Commissioner Welch noted that the Finance and Commerce publication is not used by regular citizens to find information about upcoming meetings or other items. He suggested that the Commission research alternatives including the Star Tribune which is expensive but covers the entire watershed. Staff was directed to bring options back to the March Commission meeting.

A. **Review Draft Feasibility Study for Plymouth Creek Restoration Project (2017CR-P)**

Commission Engineer Weiss provided an overview of the feasibility study for this project through a PowerPoint presentation. He reported that several site visits had been conducted, resulting in the identification of 21 sites in need of repair or restoration. He noted that many different groups provided input to the study including residents, Plymouth Water Resources and Parks staff, the MDNR, the U.S. Army Corps of Engineers, and the Commission Administrator. Commission Engineer Weiss described the three different reaches within the project area, reported on the recommended restoration techniques within each reach, and noted the estimated pollutant load reductions of 52.2 lbs of total phosphorus and 90,800 lb of total suspended sediment per year. He reported the estimated design and construction cost (including contingencies) is $766,000. He noted the cost estimate is about $275/linear foot which is within the range of recent past projects.

There was much discussion about how to improve conditions within the disc golf course in Reach 1. Commission Engineer Weiss and Commissioners noted it would be advantageous if a vegetated buffer could be established along the creek but they also recognized the difficulty in keeping disc golfers from trampling newly planted areas. Mr. Asche noted that the Plymouth Parks Department is open to realigning some golf fairways or pins to help keep players away from the stream. There was further discussion about whether or not Commission funding should be used for buffers that ultimately won't stay in place. It was noted the high potential for education of citizens in the park due to high park user numbers. It was suggested that perhaps one location along the stream could include a buffer as a demonstration area to see if the buffer strategy works over time. There was also a suggestion to work with the disc golf association and scouts or other groups for building and maintaining structures to keep golfers out of vegetation. There was also discussion about reducing the amount of runoff from the park parking lot to the stream, which Mr. Asche said might be accomplished in the future with park redevelopment.

There was consensus that the feasibility study should include a vegetated buffer within the golf course in order to budget an appropriate amount, acknowledging that as the project moves into the design phase, more conversations can be had with the Plymouth Parks Department and others about the true feasibility and placement of buffers.

There was some discussion about the use of toe wood as a restoration technique and its benefits to stream biological life. There was consensus that information should be included in the feasibility study.

MOTION: Commissioner Welch moved to approve the Feasibility Study for the Plymouth Creek Restoration Project with minor revisions noted during the discussion and direction to staff to bring a memo back to the Commission noting revisions made to the Study and access to the full and final Study online. Alternate Commissioner Scanlan seconded the motion. Upon a vote, motion carried passed 8-0. [City of St. Louis Park absent from vote]

B. **Consider Approval of Northwood South Area Infrastructure Improvements, New Hope**

i. Commission Engineer Project Review Memo and Project Map
ii. Letter from City of New Hope Regarding Treatment Options for Linear Projects

Commission Engineer Chandler described the proposed project in New Hope, noting that it is a street reconstruction project that also involves improvements to water, sanitary sewer, and storm sewer in an area that drains to Northwood Lake from the south. She reported that it is a linear project that proposes to reconstruct more than one acre of impervious surface, so the Commission's new water quality requirements (MIDS) need to be met. Commission Engineer Chandler reported that due to the lack of space and clay soils, the infiltration requirement could not be met, leading the city to follow the MIDS flexible treatment options to improve water quality. The City is proposing to construct underground filtration trenches with iron enhanced media to provide water quality treatment. This practice will meet most of the MIDS flexible treatment option #2. She noted the City is requesting to use a portion of the pollutant removal capacity of the nearby Jordan Pond, part of the Commission's Northwood Lake CIP project. She reminded the Commission that at the December meeting, a similar request came from the City of Golden Valley with regards to the Douglas Drive Project. Commission Engineer Chandler recommended approval of the Northwood South Area Infrastructure Improvement Project, with conditions noted in the Engineer's memo and recommended the Commission allow the City to take credit for up to 21.1% of the pollutant removal capacity in Jordan Pond, the same percentage the City is contributing in funding to the CIP project.

Mr. Paschke reported that the City of New Hope recently purchased a new street sweeper and is increasing its frequency of sweeping in the neighborhood adjacent to Northwood Lake. He noted this activity is not captured in the pollutant removal calculations for the project. Commissioner Welch expressed his strong opposition to a change in the premise under which cities and the Commission partner on CIP projects. He indicated that, in his opinion, it is a mistake to use watershed-wide CIP funding to help cities meet water quality requirements. He noted that he would rather consider a variance to the requirements than approve this request.

Mr. Long described the burden that fully developed cities (with clay soils) have to meet MIDS on linear projects with little or no space. Mr. Oliver concurred. Mr. Long noted the letter provided in 6Bii lays out the issues and requested that the TAC discuss this issue at a future meeting.

There was further discussion between Administrator Jester and Commissioner Welch regarding the current precedent of allowing cities to take partial credit for CIP projects. They agreed to discuss the item further in the future.

MOTION: Commissioner Hoschka moved to approve the Northwood South Area Infrastructure Improvement Project with Commission Engineer's comments. Commissioner Elder seconded the motion. A roll vote was taken.

Crystal	Aye
Golden Valley	Aye
Medicine Lake	Aye
Minneapolis	No
Minnetonka	Aye

New Hope	Aye
Plymouth	Aye
Robbinsdale	Aye
St. Louis Park	Absent

Upon the vote, the motion carried 7-1. [City of St. Louis Park absent from vote]

C. **Items Related to Northwood Lake Water Quality Improvement Project (NL-1)**

i. **Consider Approval of Clean Water Fund Grant Agreement for Northwood Lake Water Quality Improvement Project**

MOTION: Alternate Commissioner Scanlan moved to approve the Clean Water Fund grant agreement with the Minnesota Board of Water and Soil Resources for the Northwood Lake Water Quality Improvement Project. Alternate Commissioner Tobelmann seconded the motion. Upon a vote, the motion carried 8-0. [City of St. Louis Park absent from vote]

ii. **Direct Staff to Develop Subgrant Agreement with City of New Hope to Implement Clean Water Fund Grant**

Administrator Jester reported the Commission should enter into a subgrant agreement with the City of New Hope to implement the provisions of the Clean Water Fund grant (similar to the subgrant agreement approved for implementation of the 2015 Clean Water Partnership grant.)

MOTION: Alternate Commissioner Scanlan moved to direct Commission staff to develop a subgrant agreement with the City of New Hope and to approve the execution of the agreement by Commission officers. Commissioner Welch seconded the motion. Upon a vote, the motion carried 8-0. [City of St. Louis Park absent from vote]

iii. **Consider Amendment to Agreement with City of New Hope for Design and Construction of Project**

Administrator Jester reported that the City of New Hope had received bids for the Northwood Lake Improvement Project that were considerably higher than budgeted. She reported that since the meeting materials had gone out, she had revised her recommendation regarding this item and directed Commissioners to the materials distributed at the meeting. She walked through a table of figures showing the estimated costs and contributions for the Northwood Lake CIP project as they existed in August 2015 when the initial agreement with the City was approved compared to project costs and contributions as they exist now. (She noted the higher construction costs and the addition of the Clean Water Fund grant.) Administrator Jester recommended that the City and the Commission contribute additional funding to the project at the same pro-rated amount as initially approved, and that the City's contribution be lowered by the same percentage due to the Clean Water Fund grant (as was a provision in the initial agreement). She reported the city contribution would total $276,400 rather than the $300,000 initially approved. She recommended an amendment to the agreement with the City of New Hope to reflect these changes.

MOTION: Alternate Commissioner Scanlan moved to approve the amendment to the cooperative agreement with the City of New Hope for the Northwood Lake Improvement Project. Commissioner Millner seconded the motion. There was discussion (below). Following discussion and upon a vote, the motion carried 7-1. [City of St. Louis Park absent from vote]

DISCUSSION: Commissioner Mueller suggested that the Administrative Services Committee

consider a policy to determine a consistent approach to handling CIP projects that are over budget. Mr. Long expressed concern that as written, the agreement doesn't allow the City to realize any financial benefit if the project ends up coming in under budget. Commissioner Welch indicated that future cooperative agreements should not allow cities to take credit for pollutant removals.

[Commissioners Elder, Hoschka, Millner depart the meeting. Alternate Commissioners Crough and McDonald Black assume voting positions for New Hope and Golden Valley, respectively.]

D. **Consider Approval of Resolution Delegating Wetland Conservation Act Decisions**

Commission Engineer Chandler reminded the Commission that at their meeting in January, the Commission reviewed options for Wetland Conservation Act (WCA) decisions for cities where the Commission has WCA authority. She reported that at that meeting, there was consensus that the Commission would delegate WCA authority for certain decisions to Commission staff and retain other authority for other decisions. She noted the resolution included with meeting materials formalizes that decision. Commissioner Welch requested that the phrase "or their respective designees" be removed from the resolution. Commission Legal Counsel Gilchrist agreed that was fine. The Commission Engineer noted two grammatical edits needed in the resolution.

MOTION: Commissioner Welch moved to approve Resolution 16-04 with revisions. Alternate Commissioner McDonald Black seconded the motion. Upon a vote, the motion carried 7-0. [Cities of St. Louis Park and Minnetonka absent from vote.]

E. **Receive Update on 2017 Main Stem Erosion Repair Project (2017CR-M)**

Administrator Jester reported that all four of the right of entry agreements needed to complete the Phase II environmental assessment were acquired. She also noted she would be giving a presentation on the project to the Redevelopment Oversight Committee on February 2nd. She indicated the draft feasibility report would likely come to the Commission at their April meeting.

7. COMMUNICATIONS

A. Administrator: No comments aside from written report in meeting packet.

B. Chair: No comments

C. Commissioners:

i. Alternate Commissioner Scanlan reported on his attendance at the Road Salt Symposium.

D. TAC Members:

i. Mr. Francis reported that the TAC met on February 5th to continue developing draft policies for the responsibilities and funding options for long term maintenance of the Flood Control Project and the 5-year CIP. He said that the TAC will continue to discuss this at its March 3 meeting.

E. Committees: No Committee Communications

F. Legal Counsel: Legal Counsel Gilchrist reported that Charlie LeFevere enjoyed working with the Commission.

G. Engineer:

i. Engineer Chandler reported that work continues on the XP-SWMM model.

7. INFORMATION ONLY (Available at http://www.bassettcreekwmo.org/Meetings/2016/2016-February/2016FebruaryMeetingPacket.htm)

A. **CIP Project Update Chart**
B. **Grant Tracking Summary and Spreadsheet**
C. **Clean Water Partnership Grant – Interim Grant Report**
D. **Hennepin County All-Hazard Mitigation Plan – BCWMC Input**
E. **WMWA December 2015 Minutes**
F. **2014 Report on Citizen Assisted Monitoring Program (available on Met Council website)**
G. **2015 River Watch Report**
H. **Wetland Conservation Act Notice of Application – Plymouth City Flats, Plymouth**

8. ADJOURNMENT

Vice Chair Mueller adjourned the meeting at 11:15 a.m.

_____

Signature/Title Date

_____

Signature/Title Date

Bassett Creek Watershed Management Commission General Account
General Fund (Administration) Financial Report **(UNAUDITED)**
Fiscal Year: February 1, 2016 through January 31, 2017
MEETING DATE: March 17, 2016

BEGINNING BALANCE		**10-Feb-16**			**620,097.81**
ADD:					
	General Fund Revenue:				
		Interest less Bank Fees		(17.84)	
		2016-17 Assessments			
		City of Plymouth		220,974.00	
		Permits:			
		Mpls Park & Rec Board	BCWMC 2016-01	1,100.00	
		City of New Hope	BCWMC 2016-02	1,100.00	
		City of New Hope	BCWMC 2016-03	1,100.00	
		City of New Hope	BCWMC 2016-02	300.00	
		Melrose Company	BCWMC 2016-05	1,700.00	
		Three River Parks	BCWMC 2016-04	1,400.00	
		S E H	BCWMC 2016-06	1,100.00	
		Reimbursed Construction Costs		305,407.80	
			Total Revenue and Transfers In		**534,163.96**
DEDUCT:					
	Checks:				
		2830 Barr Engineering	February Engineering	70,834.14	
		2831 D'Amico Catering	March Meeting	144.62	
		2832 Amy Herbert LLC	February Secretarial	3,084.50	
		2833 Keystone Waters LLC	February Administrator	5,150.00	
		2834 Wenck Associates	Feb Outlet Monitoring	325.50	
		2835 MPCA	2017 Main Stem	937.50	
		2836 City of Plymouth	Home Expo Booth	60.00	
		2837 City of New Hope	Northwood Lake Feasibilit	30,000.00	
		2838 City of Golden Valley	Briarwood Proj	230,401.91	
			Total Checks		**340,938.17**
ENDING BALANCE		**9-Mar-16**			**813,323.60**

Bassett Creek Watershed Management Commission General Account
General Fund (Administration) Financial Report
Fiscal Year: February 1, 2016 through January 31, 2017
MEETING DATE: March 17, 2016

(UNAUDITED)

	2016 / 2017 BUDGET	CURRENT MONTH	YTD 2016 / 2017	BALANCE
OTHER GENERAL FUND REVENUE				
ASSESSEMENTS TO CITIES-PREPAID			0.00	
ASSESSEMENTS TO CITIES	490,345	220,974.00	444,375.00	45,970.00
PERMIT REVENUE	0	7,800.00	7,800.00	(7,800.00)
WOMP REIMBURSEMENT	0	0.00	0.00	0.00
TRANSFERS FROM LONG TERM FUND & CIP	0	0.00	0.00	0.00
REVENUE TOTAL	**490,345**	**228,774.00**	**452,175.00**	**38,170.00**
EXPENDITURES				
ENGINEERING & MONITORING				
TECHNICAL SERVICES	120,000	9,293.22	9,293.22	110,706.78
DEV/PROJECT REVIEWS	65,000	6,349.50	6,349.50	58,650.50
NON-FEE/PRELIM REVIEWS	15,000	3,145.00	3,145.00	11,855.00
COMMISSION AND TAC MEETINGS	13,000	1,730.58	1,730.58	11,269.42
SURVEYS & STUDIES	25,000	0.00	0.00	25,000.00
WATER QUALITY/MONITORING	76,000	4,128.50	4,128.50	71,871.50
SHORELAND HABITAT MONITORING	6,000	0.00	0.00	6,000.00
WATER QUANTITY	11,500	413.62	413.62	11,086.38
WATERSHED INSPECTIONS -EROSION CONTROL	1,000	0.00	0.00	1,000.00
ANNUAL FLOOD CONTROL INSPECTIONS	10,000	0.00	0.00	10,000.00
REVIEW MUNICIPAL PLANS	2,000	0.00	0.00	2,000.00
WOMP	17,000	445.50	445.50	16,554.50
ENGINEERING & MONITORING TOTAL	**361,500**	**25,505.92**	**25,505.92**	**335,994.08**
ADMINISTRATION				
ADMINISTRATOR	62,000	5,150.00	5,150.00	56,850.00
LEGAL COSTS	18,500	0.00	0.00	18,500.00
AUDIT, INSURANCE & BONDING	15,500	0.00	100.00	15,400.00
FINANCIAL MANAGEMENT	3,200	0.00	0.00	3,200.00
DIGITIZE HISTORIC PAPER FILES	5,000	0.00	0.00	5,000.00
MEETING EXPENSES	2,200	144.62	289.24	1,910.76
ADMINISTRATIVE SERVICES	25,000	3,184.33	3,184.33	21,815.67
ADMINISTRATION TOTAL	**131,400**	**8,478.95**	**8,723.57**	**122,676.43**
OUTREACH & EDUCATION				
PUBLICATIONS/ANNUAL REPORT	2,500	0.00	0.00	2,500.00
WEBSITE	3,500	195.00	195.00	3,305.00
PUBLIC COMMUNICATIONS	2,500	0.00	0.00	2,500.00
EDUCATION AND PUBLIC OUTREACH	22,500	60.00	9,810.00	12,690.00
WATERSHED EDUCATION PARTNERSHIPS	15,500	0.00	0.00	15,500.00
OUTREACH & EDUCATION TOTAL	**46,500**	**255.00**	**10,005.00**	**36,495.00**
MAINTENANCE FUNDS				
EROSION/SEDIMENT (CHANNEL MAINT)	25,000	0.00	0.00	25,000.00
LONG TERM MAINTENANCE (moved to CF)	25,000	0.00	0.00	25,000.00
MAINTENANCE FUNDS TOTAL	**50,000**	**0.00**	**0.00**	**50,000.00**
TMDL WORK				
TMDL IMPLEMENTATION REPORTING	20,000	1,290.50	1,290.50	18,709.50
TMDL WORK TOTAL	**20,000**	**1,290.50**	**1,290.50**	**18,709.50**
TOTAL EXPENSES	**609,400**	**35,530.37**	**45,524.99**	**563,875.01**

BCWMC Construction Account
Fiscal Year: February 1, 2015 through January 31, 2016 **(UNAUDITED)**
March 2016 Financial Report

Cash Balance 2/10/2016				
Cash		2,501,496.41		
	Total Cash		2,501,496.41	
	Ally Bk Midvale Utah C/D (9/25/2017 1.25%)	248,000.00		
	Capital One Bk-McLean VA C/D (9/25/2017 1.15%)	248,000.00		
	Capital One Bk-Glen Allen VA C/D (9/25/2017 1.15%)	248,000.00		
	Key Bk Natl Assn Ohio C/D (10/02/2017 1.15%)	248,000.00		
	Total Investments		992,000.00	
	Total Cash & Investments			3,493,496.41
Add:				
	Interest Revenue (Bank Charges)	(104.32)		
	Total Revenue			(104.32)
Less:	CIP Projects Levied - Current Expenses - TABLE A	(261,356.91)		
	Proposed & Future CIP Projects to Be Levied - Current Expenses - TABLE B	(30,212.89)		
	Total Current Expenses			(291,569.80)
	Total Cash & Investments On Hand 03/09/16			**3,201,822.29**

Total Cash & Investments On Hand	3,201,822.29
CIP Projects Levied - Budget Remaining - **TABLE A**	(4,593,577.00)
Closed Projects Remaining Balance	(1,391,754.71)
2012 - 2014 Anticipated Tax Levy Revenue - **TABLE C**	6,668.33
2015 Anticipated Tax Levy Revenue - TABLE C	1,499.07
Anticipated Closed Project Balance	(1,383,587.31)
Proposed & Future CIP Project Amount to be Levied - **TABLE B**	0.00

TABLE A - CIP PROJECTS LEVIED

	Approved Budget	Current Expenses	2015 YTD Expenses	**INCEPTION** To Date Expenses	Remaining Budget
Plymouth Creek Channel Restoration (2010 CR)	965,200.00	0.00	0.00	939,039.17	26,160.83
CLOSED JUNE 2015					(26,160.83)
Wisc Ave/Duluth Street-Crystal (2011 CR)	580,200.00	0.00	0.00	580,200.00	0.00
Wirth Lake Outlet Modification (WTH-4)(2012)	202,500.00	0.00	0.00	201,513.94	986.06
5/13 Increase Budget - $22,500					
Main Stem Irving Ave to GV Road (2012 CR)	856,000.00	0.00	0.00	857,723.50	(1,723.50)
Lakeview Park Pond (ML-8) (2013)	196,000.00	0.00	0.00	11,589.50	184,410.50
Four Seasons Mall Area Water Quality Proj (NL-2)	990,000.00	0.00	0.00	127,501.84	862,498.16
2014					
Schaper Pond Enhance Feasibility/Project (SL-1)(SL-3)	612,000.00	0.00	0.00	89,594.90	522,405.10
Briarwood / Dawnview Nature Area (BC-7)	250,000.00	230,401.91	230,401.91	250,000.00	0.00
Twin Lake Alum Treatment Project (TW-2)	163,000.00	0.00	0.00	24,225.65	138,774.35
2015					
Main Stem 10th to Duluth (CR2015)	1,503,000.00	0.00	0.00	105,042.00	1,397,958.00
2016					
Honeywell Pond Expansion (BC-4)	810,930.00	0.00	0.00	13,904.48	797,025.52
Northwood Lake Pond (NL-1)	822,140.00	30,955.00	30,955.00	130,897.19	691,242.81
	7,950,970.00	261,356.91	261,356.91	3,331,232.17	4,593,577.00

TABLE B - PROPOSED & FUTURE CIP PROJECTS TO BE LEVIED

	Approved Budget - To Be Levied	Current Expenses	2015 YTD Expenses	**INCEPTION** To Date Expenses	Remaining Budget
2016					
Bryn Mawr Meadows (BC-5)	0.00	0.00	0.00	5,282.80	(5,282.80)
2016 Project Totals	0.00	0.00	0.00	5,282.80	(5,282.80)
2017					
Main Stem Cedar Lk Rd to Dupont (2017 CR-M)		21,141.89	21,141.89	63,813.77	(63,813.77)
Plymouth Creek Restoration (CR-P)		9,071.00	9,071.00	58,483.13	(58,483.13)
2017 Project Totals	0.00	30,212.89	30,212.89	122,296.90	(122,296.90)
Total Proposed & Future CIP Projects to be Levied	0.00	30,212.89	30,212.89	127,579.70	(127,579.70)

BCWMC Construction Account
Fiscal Year: February 1, 2015 through January 31, 2016 **(UNAUDITED)**
March 2016 Financial Report

TABLE C - TAX LEVY REVENUES

	County Levy	Abatements / Adjustments	Adjusted Levy	Current Received	Year to Date Received	Inception to Date Received	Balance to be Collected	BCWMO Levy
2016 Tax Levy	1,222,000.00		1,222,000.00			0.00	1,222,000.00	1,222,000.00
2015 Tax Levy	1,000,000.00		1,000,000.00			998,500.93	1,499.07	1,000,000.00
2014 Tax Levy	895,000.00	(2,576.10)	892,423.90			887,798.04	4,625.86	895,000.00
2013 Tax Levy	986,000.00	(13,785.61)	972,214.39			971,003.45	1,210.94	986,000.00
2012 Tax Levy	762,010.00	(5,103.74)	756,906.26			756,074.73	831.53	762,010.00
2011 Tax Levy	863,268.83	(8,962.04)	854,306.79			854,308.66	(1.87)	862,400.00
2010 Tax Levy	935,298.91	(9,027.10)	926,271.81			926,547.20	(275.39)	935,000.00
				0.00			**7,890.14**	

OTHER PROJECTS:

	Approved Budget	Current Expenses / (Revenue)	2015 YTD Expenses / (Revenue)	INCEPTION To Date Expenses / (Revenue)	Remaining Budget
TMDL Studies					
TMDL Studies	135,000.00	0.00	0.00	107,765.15	27,234.85
Sweeney TMDL	119,000.00	0.00	0.00	212,222.86	
Less: MPCA Grant Revenue		0.00	0.00	(163,870.64)	70,647.78
TOTAL TMDL Studies	254,000.00	0.00	0.00	156,117.37	97,882.63
Annual Flood Control Projects:					
Flood Control Emergency Maintenance	500,000.00	0.00	0.00	0.00	500,000.00
Flood Control Long-Term Maintenance	648,373.00	13,838.00	13,838.00	167,613.67	480,759.33
Sweeney Lake Outlet (2012 FC-1)	250,000.00	0.00	0.00	179,742.18	70,257.82
Annual Water Quality					
Channel Maintenance Fund	325,000.00	0.00	0.00	121,242.95	203,757.05
Total Other Projects	1,977,373.00	13,838.00	13,838.00	624,716.17	1,352,656.83

Cash Balance 2/10/2016		**1,123,088.18**
Add:		
Transfer from GF		0.00
MPCA Grant-Sweeney Lk		0.00
Less:		
Current (Expenses)/Revenue		(13,838.00)
Ending Cash Balance	**03/09/16**	**1,109,250.18**
Additional Capital Needed		(243,407)

Bassett Creek Construction Project Details

3/9/2016

CIP Projects Levied

	Total CIP Projects Levied	2010 Plymouth Creek Channel Restoration (2010 CR)	2011 Wisc Ave (Duluth Str)-Crystal (GV)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	2013 Lakeview Park Pond (ML-8)	2013 Four Seasons Mall Area Water Quality Project (NL-2)	2014 Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	2014 Briarwood / Dawnview Water Quality Improve Proj (BC-7)	2014 Twin Lake In-Lake Alum Treatment Project (TW-2)	2015 Main Stem - 10th Ave to Duluth (CR2015)	2016 Honeywell Pond Expansion (BC-4)	2016 Northwood Lake Pond (NL-1)
Original Budget	**7,928,470**	**965,200**	**580,200**	**180,000**	**856,000**	**196,000**	**990,000**	**612,000**	**250,000**	**163,000**	**1,503,000**	**810,930**	**822,140**
Added to Budget	(3,661)	(26,160.83)		22,500									
Expenditures:													
Feb 2004 - Jan 2005	637.50					637.50							
Feb 2005 - Jan 2006													
Feb 2006 - Jan 2007													
Feb 2007 - Jan 2008													
Feb 2008 - Jan 2009	20,954.25	20,954.25											
Feb 2009 - Jan 2010	9,319.95	9,319.95											
Feb 2010 - Jan 2011	70,922.97	30,887.00	34,803.97	2,910.00	1,720.00		602.00						
Feb 2011 - Jan 2012	977,285.99	825,014.32	9,109.50	22,319.34	71,647.97	1,476.00	8,086.37	39,632.49					
Feb 2012 - Jan 2013	153,174.66	47,378.09	9,157.98	4,912.54	20,424.16	2,964.05	61,940.82	4,572.97	152.80	1,671.25			
Feb 2013 - Jan 2014	819,686.41	135.00	527,128.55	171,341.06	42,969.42	6,511.95	31,006.30	19,079.54	6,477.29	13,678.55	1,358.75		
Feb 2014 - Jan 2015	111,846.45			31.00	41,692.40			26,309.90	12,968.00	8,443.85	9,820.60	7,461.95	5,118.75
Feb 2015-Jan 2016	906,047.08	5,350.56			679,269.55		25,866.35			432.00	93,862.65	6,442.53	94,823.44
Feb 2016-Jan 2017	261,356.91								230,401.91				30,955.00
Total Expenditures:	**3,331,232.17**	**939,039.17**	**580,200.00**	**201,513.94**	**857,723.50**	**11,589.50**	**127,501.84**	**89,594.90**	**250,000.00**	**24,225.65**	**105,042.00**	**13,904.48**	**130,897.19**
Project Balance	**4,593,577.00**			**986.06**	(1,723.50)	**184,410.50**	**862,498.16**	**522,405.10**		**138,774.35**	**1,397,958.00**	**797,025.52**	**691,242.81**

	Total CIP Projects Levied	2010 Plymouth Creek Channel Restoration (2010 CR)	2011 Wisc Ave (Duluth Str)-Crystal (GV)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	2013 Lakeview Park Pond (ML-8)	2013 Four Seasons Mall Area Water Quality Project (NL-2)	2014 Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	2014 Briarwood / Dawnview Water Quality Improve Proj (BC-7)	2014 Twin Lake In-Lake Alum Treatment Project (TW-2)	2015 Main Stem - 10th Ave to Duluth (CR2015)	2016 Honeywell Pond Expansion (BC-4)	2016 Northwood Lake Pond (NL-1)
Project Totals By Vendor													
Barr Engineering	414,591.08	47,863.10	48,811.20	30,565.19	103,166.88	6,338.95	28,670.54	75,251.50	13,089.74	15,712.00	15,825.00	13,108.48	16,188.50
Kennedy & Graven	18,266.50	2,120.10	1,052.50	2,225.15	1,862.25	1,200.55	2,471.95	993.40	1,038.35	1,058.65	2,223.75	796.00	1,223.85
City of Golden Valley	984,199.02		526,318.80	165,485.06					230,401.91		61,993.25		
City of Minneapolis	736,882.66				736,882.66								
City of Plymouth	942,253.77	866,494.42					75,759.35						
City of New Hope	113,484.84												113,484.84
MPCA													
Blue Water Science	3,900.00									3,900.00			
S E H													
Misc													
2.5% Admin Transfer	117,654.30	22,561.55	4,017.50	3,238.54	15,811.71	4,050.00	20,600.00	13,350.00	5,470.00	3,555.00	25,000.00		
Transfer to General Fun													
Total Expenditures	**3,331,232.17**	**939,039.17**	**580,200.00**	**201,513.94**	**857,723.50**	**11,589.50**	**127,501.84**	**89,594.90**	**250,000.00**	**24,225.65**	**105,042.00**	**13,904.48**	**130,897.19**

	Total CIP Projects Levied	2010 Plymouth Creek Channel Restoration (2010 CR)	2011 Wisc Ave (Duluth Str)-Crystal (GV)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	2013 Lakeview Park Pond (ML-8)	2013 Four Seasons Mall Area Water Quality Project (NL-2)	2014 Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	2014 Briarwood / Dawnview Water Quality Improve Proj (BC-7)	2014 Twin Lake In-Lake Alum Treatment Project (TW-2)	2015 Main Stem - 10th Ave to Duluth (CR2015)	2016 Honeywell Pond Expansion (BC-4)	2016 Northwood Lake Pond (NL-1)
Levy/Grant Details													
2009/2010 Levy	902,462	902,462											
2010/2011 Levy	160,700		160,700										
2011/2012 Levy	762,010			83,111	678,899								
2012/2013 Levy	986,000					162,000	824,000						
2013/2014 Levy	895,000							534,000	218,800	142,200			
2014/2015 Levy	1,000,000										1,000,000		
2015-2016 Levy	1,222,000											810,930	411,070
Construction Fund Balance	1,384,228	62,738	419,500	21,889	177,101	34,000	166,000				503,000		
BWSR Grant- BCWMO	504,750	212,250		75,000	217,500								
MPCA Grant-CWPGrant	75,000												75,000
Total Levy/Grants	7,892,150	1,177,450	580,200	180,000	1,073,500	196,000	990,000	534,000	218,800	142,200	1,503,000	810,930	486,070
		BWSR Final											
BWSR Grants Received		4/8/13		67,500	108,750								
FY11 Competetive Grant Program - received $7500 on 11/6/14													
MPCA Grant-CWP (Total $300,000)													75,000.00

Bassett Creek Construction Project Details

Bassett Creek Construction Project Details

	Proposed & Future CIP Projects (to be Levied)					Other Projects							
	Total Proposed & Future CIP Projects (to be Levied)	2016 Bryn Mawr Meadows	2017 Main Stem-Cerar Lk Rd to Dupont (2017 CR-M)	2017 Plymouth Creek Restoration (2017 CR-P)		Total Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	2012 Sweeney Lake Outlet (FC-1)	Channel Maintenance	Totals - All Projects
Original Budget						**1,647,373.00**	**105,000.00**	**119,000.00**	**500,000.00**	**748,373.00**		**175,000.00**	**9,575,843.00**
Added to Budget										(250,000.00)	**250,000.00**		(3,660.83)
					MPCA Grant	**163,870.64**		163,870.64					163,870.64
					From GF	**330,000.00**	30,000.00			150,000.00		150,000.00	330,000.00
Expenditures:													
Feb 2004 - Jan 2005													637.50
Feb 2005 - Jan 2006						**6,949.19**				3,954.44		2,994.75	6,949.19
Feb 2006 - Jan 2007						**10,249.09**	637.20			9,611.89			10,249.09
Feb 2007 - Jan 2008						**113,141.44**	23,486.95	89,654.49					113,141.44
Feb 2008 - Jan 2009						**117,455.33**	31,590.12	47,041.86				38,823.35	138,409.58
Feb 2009 - Jan 2010						**76,184.64**	31,868.63	44,316.01					85,504.59
Feb 2010 - Jan 2011						**45,375.25**	15,005.25	25,920.00			4,450.00		116,298.22
Feb 2011 - Jan 2012						**12,656.65**	168.00	5,290.50			7,198.15		989,942.64
Feb 2012 - Jan 2013						**21,094.00**	3,194.00					17,900.00	174,268.66
Feb 2013 - Jan 2014						**174,826.03**	1,815.00			4,917.00	168,094.03		994,512.44
Feb 2014 - Jan 2015	**5,282.80**	5,282.80				**59,459.65**				24,712.15		34,747.50	176,588.90
Feb 2015-Jan 2016	**92,084.01**		42,671.88	49,412.13		**137,357.54**				110,580.19		26,777.35	1,135,488.63
Feb 2016-Jan 2017	**30,212.89**		21,141.89	9,071.00									291,569.80
Total Expenditures:	**127,579.70**	**5,282.80**	**63,813.77**	**58,483.13**		**774,748.81**	**107,765.15**	**212,222.86**		**153,775.67**	**179,742.18**	**121,242.95**	**4,233,560.68**
Project Balance	(127,579.70)	(5,282.80)	(63,813.77)	(58,483.13)		**1,366,494.83**	**27,234.85**	**70,647.78**	**500,000.00**	**494,597.33**	**70,257.82**	**203,757.05**	**5,832,492.13**

	Total Proposed & Future CIP Projects (to be Levied)	2016 Bryn Mawr Meadows	2017 Main Stem-Cerar Lk Rd to Dupont (2017 CR-M)	2017 Plymouth Creek Restoration (2017 CR-P)	Total Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	2012 Sweeney Lake Outlet (FC-1)	Channel Maintenance	Totals - All Projects
Project Totals By Vendor												
Barr Engineering	**126,454.70**	5,282.80	62,688.77	58,483.13	**356,768.83**	104,888.70	94,948.17		138,922.06	18,009.90		897,814.61
Kennedy & Graven					**7,011.99**	1,164.30	2,902.59		1,099.35	1,461.15	384.60	25,278.49
City of Golden Valley					**215,558.63**					160,271.13	55,287.50	1,199,757.65
City of Minneapolis					**26,747.50**						26,747.50	763,630.16
City of Plymouth					**38,823.35**						38,823.35	981,077.12
City of New Hope												113,484.84
MPCA	**1,125.00**		1,125.00									1,125.00
Blue Water Science												3,900.00
S E H					**105,590.36**		101,598.10		3,992.26			105,590.36
Misc					**14,486.15**	1,712.15	12,774.00					14,486.15
2.5% Admin Transfer												117,654.30
Transfer to General Fun					**23,600.00**				23,600.00			23,600.00
Total Expenditures	**127,579.70**	**5,282.80**	**63,813.77**	**58,483.13**	**788,586.81**	**107,765.15**	**212,222.86**		**167,613.67**	**179,742.18**	**121,242.95**	**4,247,398.68**

	Total Proposed & Future CIP Projects (to be Levied)	2016 Bryn Mawr Meadows	2017 Main Stem-Cerar Lk Rd to Dupont (2017 CR-M)	2017 Plymouth Creek Restoration (2017 CR-P)		Total Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	2012 Sweeney Lake Outlet (FC-1)	Channel Maintenance	Totals - All Projects
Levy/Grant Details					**MPCA Grant**	**163,870.64**		**163,870.64**					
2009/2010 Levy													902,462
2010/2011 Levy					2010/2011	**60,000.00**	10,000			25,000		25,000	220,700
2011/2012 Levy					2011/2012	**60,000.00**	10,000			25,000		25,000	822,010
2012/2013 Levy					2012/2013	**60,000.00**	10,000			25,000		25,000	1,046,000
2013/2014 Levy					2013/2014	**50,000.00**				25,000		25,000	945,000
2014/2015 Levy						**50,000.00**				25,000		25,000	1,050,000
2015-2016 Levy													
Construction Fund Balanc					2014/2015	**50,000.00**				25,000		25,000	1,434,228
BWSR Grant- BCWMO													504,750
MPCA Grant-CWPGrant													
Total Levy/Grants						**493,870.64**	30,000	163,870.64		150,000		150,000	6,925,150

Item 4E.
BCWMC 3-17-16
Full document online

February 23, 2016

Ms. Laura Jester
Keystone Waters, LLC
16145 Hillcrest Lane
Eden Prairie, MN 55346

Subject: Request for reimbursement of cost to prepare feasibility report – city project 938

Attached please find an invoice of $30,000 per the Cooperative Agreement dated May 15, 2014, between Bassett Creek Watershed Management Commission and the city of New Hope for preparation of a feasibility report related to Northwood Lake improvements.

Documentation of invoices paid to Stantec exceeding $30,000 is attached.

Please call me if you have any questions. Thank you.

Sincerely,

V Leone

Valerie Leone, CMC
City Clerk-Treasurer

Enc. – Invoice to BCWMC
Stantec invoices to city
Cooperative Agreement

CITY OF NEW HOPE

4401 Xylon Avenue North • New Hope, Minnesota 55428-4898 • www. ci.new-hope.mn.us
City Hall: 763-531-5100 • Police (non-emergency): 763-531-5170 • Public Works: 763-592-6777
City Hall Fax: 763-531-5136 • Police Fax: 763-531-5174 • Public Works Fax: 763-592-6776

Remit To:
CITY OF NEW HOPE
4401 XYLON AVENUE N
NEW HOPE MN 55428

Billing Address: 118426
BASSETT CREEK WATERSHED MANAGEMENT COMM

INVOICE

5768

Invoice Date **2/25/2016**

Due Date **3/26/2016**

Page: 1

Item	Remark	Amount
001	Reimbursement for feasibility	30,000.00
002	report	
	Total Amount Invoiced	30,000.00
	Tax Amount	
	Balance Due	30,000.00

Attention Customer:

When you provide a check as payment, you authorize the city to use information from your check to make a one-time electronic fund transfer from your account or to process the payment as a check transaction.

When the city uses information from your check to make an electronic fund transfer, funds may be withdrawn from your account as soon as the same day you make your payment, and you will not receive your check back from your financial institution. For inquiries, please call 763-531-5130.

Item 4F.
BCWMC 3-17-16
Full document online.

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4F – Three Rivers Park District Bassett Creek Regional Trail– New Hope
BCWMC March 17, 2016 Meeting Agenda
Date: March 9, 2016
Project: 23270051 2016 2070

4F Three Rivers Park District Bassett Creek Regional Trail – Crystal/New Hope

Summary:

Proposed Work: Improvements to existing multi-use trail including pavement repair and replacement, painting, and curb and gutter repair.
Basis for Commission Review: Work within the floodplain, and road or other linear project disturbing more than five acres of land.
Impervious Surface Area: Decrease approximately 4,800 square feet (0.11 acres)
Recommendation: Conditional approval

General Background & Comments

At its August 18, 2011 meeting, the BCWMC reviewed the Draft Bassett Creek Regional Trail Master Plan provided by the Three Rivers Parks District (TRPD). The Executive Summary of draft Master Plan illustrates segments A, B, C, D, and E of the proposed regional trail, extending from French Regional Park through the Cities of Plymouth, New Hope, Crystal, Golden Valley to the Minneapolis Grand Rounds at Theodore Wirth Park. Attached for reference is the Executive Summary from the Master Plan and the BCWMC's August 19, 2011 letter regarding its review.

This phase of the proposed project includes construction of and improvements to 2.8 miles of off-road, multi-use trail from Boone Avenue in New Hope to Welcome Avenue in Crystal, representing segments C, D and E as shown in the referenced Executive Summary. The general layout consists of a 10–foot wide paved trail, which is separated from vehicular traffic and which provides a minimum 2-foot wide boulevard between new trail sections and existing roads. The project will relocate and renovate sections of curb and gutter, storm sewer, and utilities to accommodate construction of the trail. Other trail work includes accessibility improvements at intersections, signing, and striping.

The project is in the Bassett Creek Park Pond subwatershed and includes grading of 7.14 acres as part of the project. The proposed project results in a decrease of approximately 4,800 square feet (0.11 acres) of impervious surface, from 4.29 acres under existing conditions to 4.18 acres of impervious surface under proposed conditions. In areas where the existing trail is being improved or pavements repaired, there is no proposed change in impervious surface area. The proposed decrease in impervious surface area is being achieved by narrowing certain roadways, including sections of Boone Avenue, Nevada Avenue, 32nd

Avenue North, and 36th Avenue North, in order to accommodate the trail and accompanying vegetated boulevards.

Floodplain

Construction of the proposed multi-use public trail will include work within the floodplain of Bassett Creek. The trail will cross the North Branch of Bassett Creek three times. The locations and flood elevations of these crossings are listed in the table below, ordered from upstream to downstream.

Crossing Name @ Bassett Creek North Branch	City	100 Year Flood Elevation (feet)[1]
Boone Avenue (US)	New Hope	889.5
Boone Avenue (DS)	New Hope	889.3
Winnetka Avenue (US)	New Hope	889
Winnetka Avenue (DS)	Crystal	888
32nd Avenue (US)	Crystal	854
32nd Avenue (DS)	Crystal	849.6

[1]From Table 2-9 in the Bassett Creek Watershed Management Commission 2015 – 2025 Watershed Management Plan

The plans, dated January 12, 2016, indicate 149 cubic yards of fill will be placed in the floodplain and 288 cubic yards of compensating storage volume will be provided in the segment between Boone Avenue and Winnetka Avenue. According to the plans, all excavation and fill volumes were calculated based on the elevation of the 100-year zone AE floodplain, established at elevation 889 feet by the preliminary DFIRM for Hennepin County.

Wetlands

The plans show work occurring within the boundaries of a delineated wetland. The Cities of New Hope and Crystal are the LGUs for administering the Minnesota Wetland Conservation Act of 1991 within their respective jurisdictions and will determine any wetland impacts.

Stormwater Management

The drainage patterns under existing and proposed conditions will remain similar; this project will not result in major changes to land use or topography. This project will reduce stormwater runoff rates and volumes by decreasing the amount of impervious surfaces within the project area.

Water Quality Management

The project creates 4.18 acres of new and/or fully reconstructed impervious surfaces. Based on the September 2015 BCWMC Requirements for Improvements and Development Proposals (Requirements Document), the majority of the impervious trail surfaces can be considered pervious because they include a downstream buffer area that is at least half the width of the paved trail. Communications with the applicant's engineer indicate that approximately 0.33 acres of trail surface can be considered impervious area because it lacks a sufficient width of downstream buffer. Therefore, based on the Requirements Document, water quality treatment in accordance with MIDS is not required.

Erosion and Sediment Control

Since the area to be graded is greater than 10,000 square feet, the proposed project must meet the BCWMC erosion control requirements. Proposed temporary erosion control features include seeding, erosion control blanket, sodding, inlet protection, compost log, and rock construction entrances.

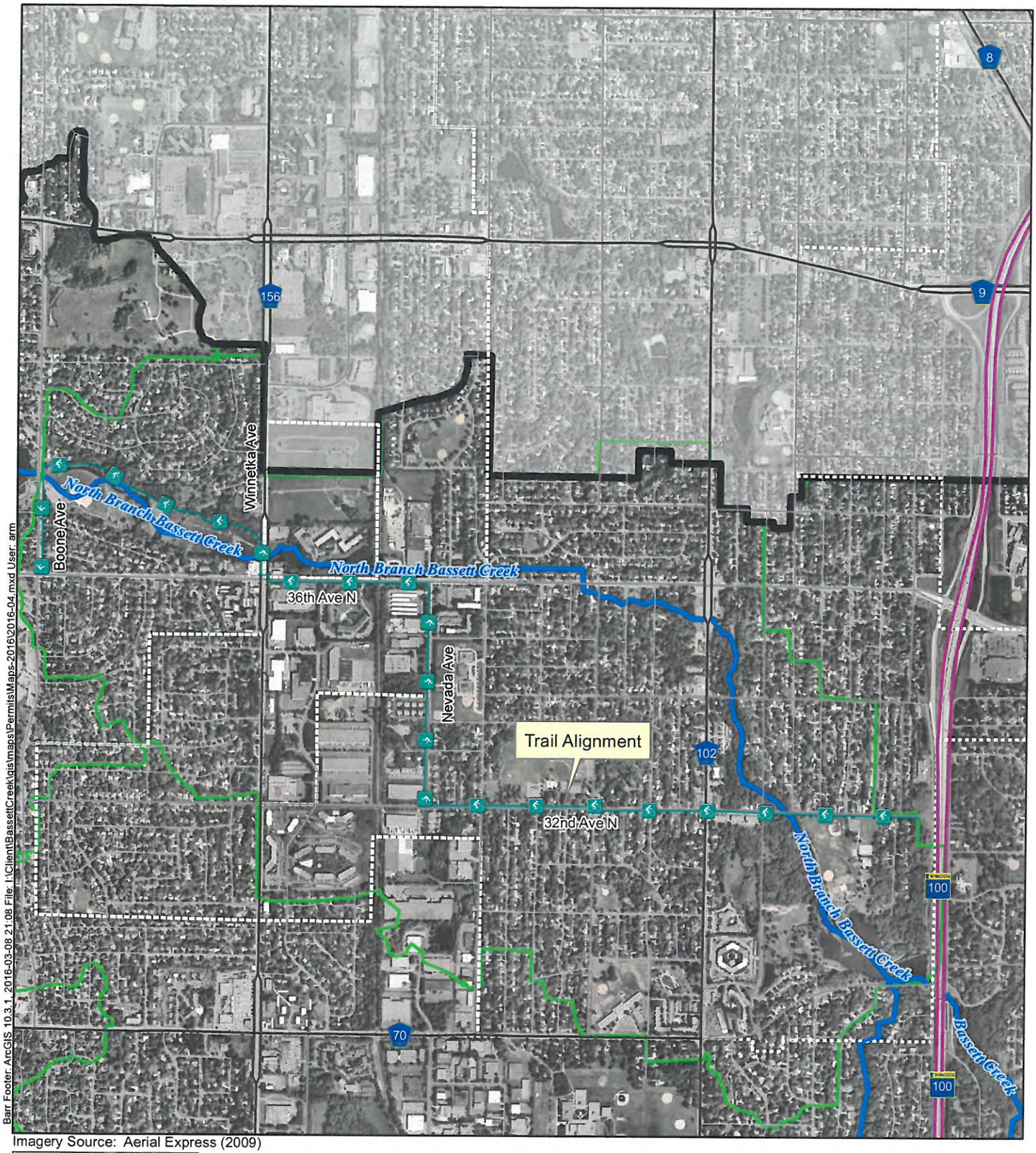
Recommendation

Conditional approval based on the following comments:

1. Applicant must provide excavation and fill volumes, showing no net increase in fill within the floodplain, based on the BCWMC flood elevations (not preliminary DFIRM).
2. The culvert on sheet 53, approximate trail station 427+75, must be labeled to correspond with the appropriate drainage profile.
3. The outlet velocity at the culvert at approximately station 427 +75 (assumed to correspond with point 5110 on Sheet 70, Drainage Profiles) exceeds 14 feet per second when the pipe is flowing full. Addition of a drop structure or modifying the design to allow a shallower pipe slope is recommended to reduce outlet velocities to less than 8 feet per second (assuming riprap is also used) or less than 4 feet if no energy dissipation is provided.
4. Include a detail specifying the quantity and type of riprap and filter used for erosion control at culvert outfalls.
5. The following erosion control comments must be added to the plans:
   - Temporary or permanent mulch must be uniformly applied by mechanical or hydraulic means and stabilized by disc-anchoring or use of hydraulic soil stabilizers.
   - Temporary vegetative cover must be provided consisting of a suitable, fast-growing, dense grass seed mix spread, at a minimum, at the MnDOT-specified rate per acre. If temporary cover is to remain in place beyond the present growing season, two-thirds of the seed mix shall be composed of perennial grasses.
6. In accordance to item 4 in the BCWMC August 19, 2011 letter, the BCWMC is enthusiastic about the opportunity this trail project would provide to publicize and highlight some of the natural water resource features (creeks, lakes, wetlands, etc.) within the watershed and capital improvement projects (channel restoration, water quality basins, etc.) implemented by the BCWMC along the trail. The

BCWMC would like to coordinate with Three Rivers Park District as they develop the public interpretation and trail signage plan.

7. Revised drawings (paper copy and final electronic files) must be provided to the BCWMC Engineer for final review and administrative approval.



Barr Footer: ArcGIS 10.3.1, 2016-03-08 21:08 File: I:\Client\BassettCreek\gis\maps\Permits\Maps-2016\2016-04.mxd User: arm

Imagery Source: Aerial Express (2009)

- Trail Alignment
- Bassett Creek
- WMC Boundary
- Major Subwatershed
- Municipality
- Stream

Feet

0 1,000 2,000 3,000

LOCATION MAP
APPLICATION 2016-04
Three Rivers Park District
Basset Creek Regional Trail
New Hope and Crystal, MN

resourceful. naturally.
engineering and environmental consultants

BARR

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Item 5A – Draft Bassett Creek Regional Trail Master Plan
BCWMC August 18, 2011 Meeting Agenda
Date: August 10, 2011
Project: 23/27 051 2011

5A. Draft Bassett Creek Regional Trail Master Plan

Summary

Proposed Work: Regional Trail – Linear Project
Basis for Commission Review: Opportunity to provide comments
Change in Impervious Surface: unknown
Recommendation: For discussion (should the BCWMC want to provide comments)

General Background & Comments

Three Rivers Park District (TRPD), in coordination with Cities of Plymouth, New Hope, Crystal, and Golden Valley; has prepared a draft Master Plan for the Bassett Creek Regional Trail (Plan). The proposed trail will extend approximately 7 miles from French Regional Park to Theodore Wirth Regional Park. Several segments of the trail have been completed; others are in the planning stages. TRPD is giving the opportunity to provide comments on the draft master plan. Attached is the executive summary.

The trail crosses the North Branch or Bassett Creek Main Stem at five locations. The trail generally consists of a 10-foot wide paved surface separated from vehicular traffic. As shown in the following figure, minimum boulevard width of 2-ft between road and trail is proposed for new sections of the trail. The Plan does not indicate the proposed increase in impervious surface associated with full development of the trail. It is anticipated the project will be constructed over several years. Runoff from the project discharges to the Medicine Lake, North Branch, Sweeney Lake, and Bassett Creek Main Stem subwatersheds. See the attached executive summary from the Plan.

Recommendation

We recommend the BCWMC discuss the following issues and direct staff to provide comments to the TRPD:

a. **Water Quality**: The Plan does not indicate the proposed increase in impervious surface along the trail corridor. The Plan states:

Bassett Creek trail development is not anticipated to negatively effect Bassett Creek as best management practices will be followed during regional trail construction and maintenance activities, including erosion control measures and vegetation establishment as required.

However, since specific water quality features were not addressed, it appears this statement is related more to construction issues then to increased impervious surface. Under the current *Requirements for Improvements and Development Proposals* Document (Requirements Document), this project would be reviewed as a road (linear) project. Paragraph 4.6 of the Requirements Document state:

4.6 Road Projects
BMPs must be considered to improve the quality of stormwater runoff from road construction and reconstruction projects. The most desirable BMP reduces pollutants to the maximum extent practicable and reduces runoff. The BCWMC realizes that existing development and right-of-way constraints will limit the type of BMPs that can be implemented. At a minimum, temporary measures will be required to address erosion and sediment control during construction. The BCWMC will work with the project applicant to assist with determining the appropriate temporary and permanent BMPs to implement for the project. The project applicant must submit a description of the evaluation process used to identify feasible BMPs to be implemented on the project.

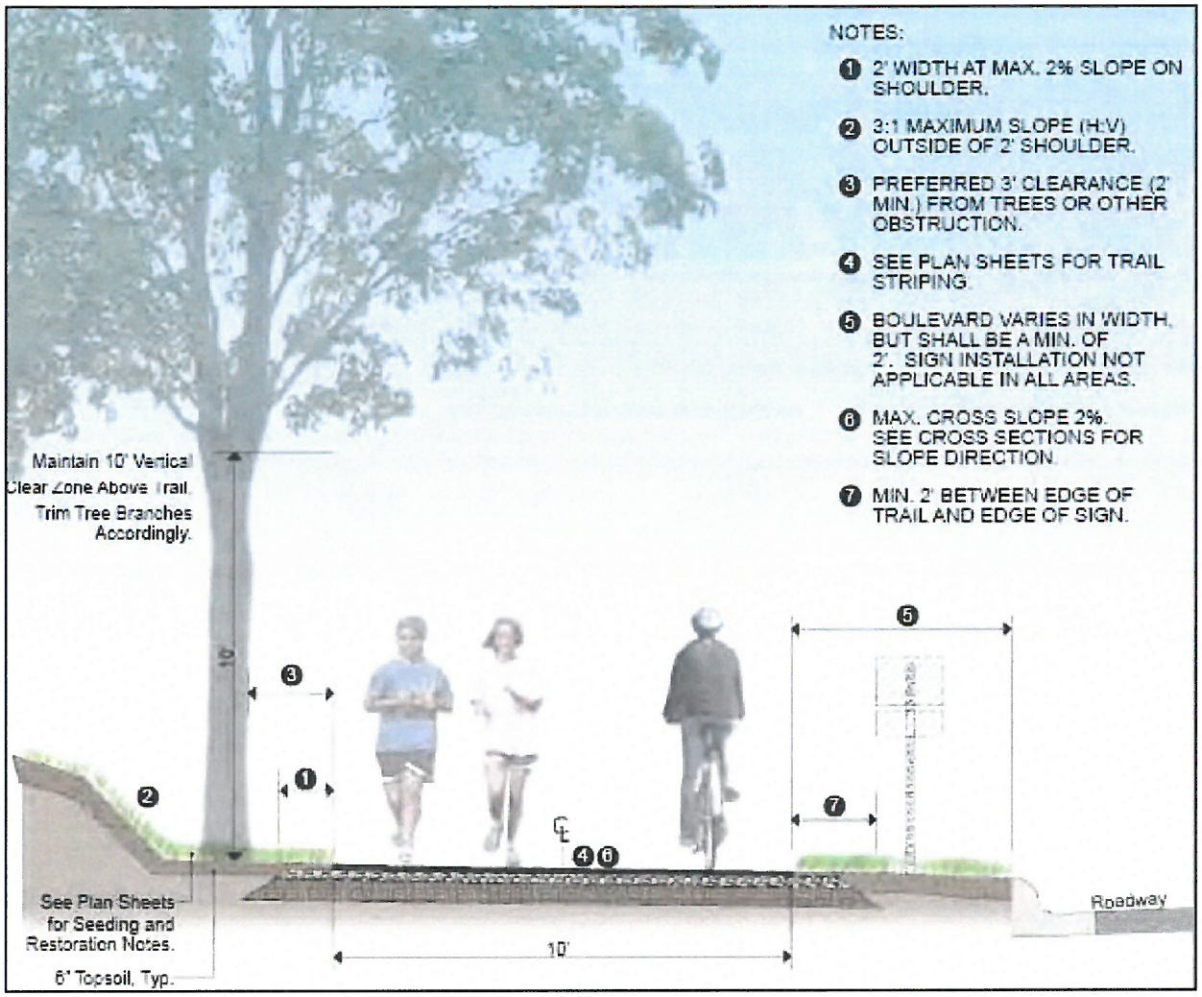
The BCWMC should discuss whether to prepare comments based on its current standards or on anticipated standards that may be required during development of the project. The BCWMC should also discuss impacts of TMDL studies for Medicine Lake, Sweeney Lake, and Wirth Lake. At a minimum the following comments are suggested:

- The Plan should include proposed increases in impervious surface along each trail segment and discuss best management practices to address water quality.
- The Commission urges TRPD to incorporate infiltration and filtration measures, as feasible, along the trail. Maximizing the boulevard width to disconnect the trail from the street is recommended to reduce water quality impacts.

b. **Floodplain**: *Recommended Comment*: The project must be constructed to ensure flood profiles are not increased along the creek. Proposed floodplain fill must be mitigated in accordance to the BCWMC floodplain policies.

c. **BMP Maintenance**: *Recommended Comment*: Operation and Maintenance Plan should address maintenance of water quality and storm water BMPs.

d. **Erosion Control**: *Recommended Comment*: The BCWMC's goal is to prevent erosion and sedimentation to the greatest extent possible to protect water resources from increased water quality problems. Temporary and permanent best management practices (BMPs) must be implemented to control construction and post-development runoff and erosion from the site


NOTES:
1 2' WIDTH AT MAX. 2% SLOPE ON SHOULDER.
2 3:1 MAXIMUM SLOPE (H:V) OUTSIDE OF 2' SHOULDER.
3 PREFERRED 3' CLEARANCE (2' MIN.) FROM TREES OR OTHER OBSTRUCTION.
4 SEE PLAN SHEETS FOR TRAIL STRIPING.
5 BOULEVARD VARIES IN WIDTH, BUT SHALL BE A MIN. OF 2'. SIGN INSTALLATION NOT APPLICABLE IN ALL AREAS.
6 MAX. CROSS SLOPE 2%. SEE CROSS SECTIONS FOR SLOPE DIRECTION.
7 MIN. 2' BETWEEN EDGE OF TRAIL AND EDGE OF SIGN.
Maintain 10' Vertical Clear Zone Above Trail. Trim Tree Branches Accordingly.
10'
See Plan Sheets for Seeding and Restoration Notes.
6" Topsoil, Typ.
10'
Roadway

ThreeRivers
PARK DISTRICT

Three Rivers Park District Board of Commissioners

Sara Wyatt
District 1

Marilynn Corcoran,
District 2

Joan Peters
District 3

Dale Woodbeck,
Vice Chair
District 4

John Gibbs
District 5

Larry Blackstad, Chair
Appointed

Barbara Kinsey
Appointed

Cris Gears
Superintendent

July 25, 2011

Bassett Creek Watershed Management Commission
c/o Amy Herbert, Barr Engineering
4700 West 77th Street
Minneapolis, MN 55432

RE: Bassett Creek Regional Trail Master Plan

Dear Ms. Herbert:

Three Rivers Park District (Park District) is concluding the master plan process for the Bassett Creek Regional Trail. The Metropolitan Council 2030 Regional Parks Policy Plan requires that local, state, and federal recreation providers within the regional trail service area be given the opportunity to provide comment on the draft master plan.

The Park District Board of Commissioners approved distribution of the draft master plan for public comment on July 21, 2011. Please provide written comments to the address below by August 24, 2011.

Ann Rexine, Planner
Three Rivers Park District
3000 Xenium Lane North
Plymouth, MN 55441

In the event your agency elects to not provide any comments, please notify me upon the decision so the master plan review and approval process can move forward without undue delay.

Please call me at 763-694-1103 with any concerns or questions. Thank you for your timely response.

Sincerely,

Ann Rexine

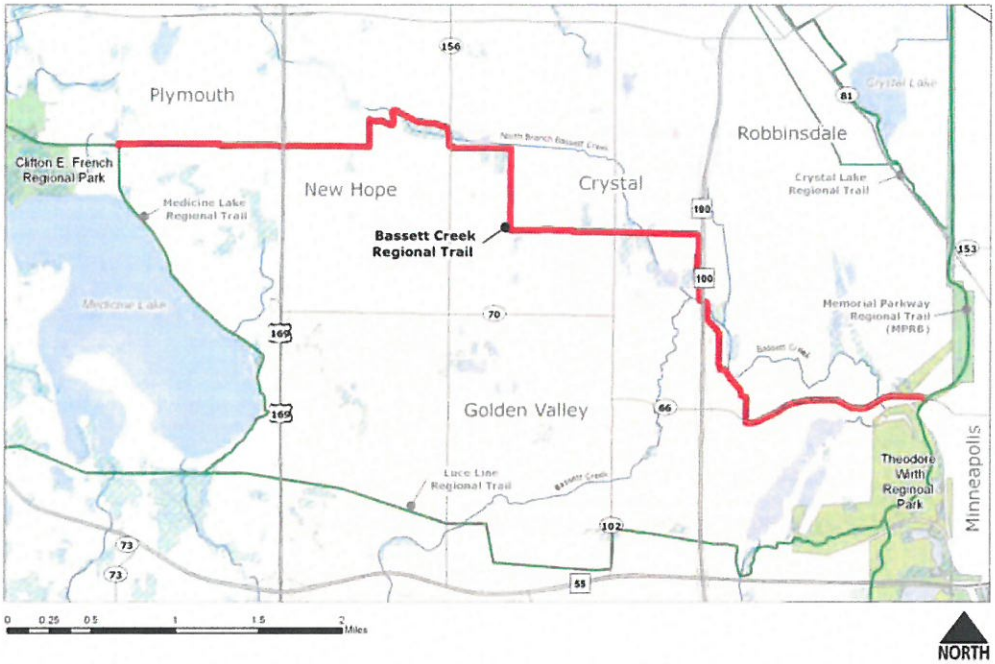
Ann Rexine
Planner

Enclosure: Bassett Creek Regional Trail Master Plan – C.D.

\\Hpas400\h\PROJECTS\Regional Trails\TBC G2 - Bassett Creek Trail Master Plan\B Planning & Design\Bassett Creek 30 Day Public Comment\TBC Comment Period Letter_Adjacent.doc

Executive Summary

The Bassett Creek Regional Trail will fill a gap in the regional park and trail system with a safe, accessible and enjoyable option. Currently, many Twin Cities metropolitan area residents traveling to and through the first tier suburbs do not have access to safe, convenient and attractive off-road regional trail networks. The Bassett Creek Regional Trail will expand commuting, transit and recreational access to vital employment, retail and recreational sites in the metropolitan region - providing safety, economic development, mobility and environmental benefits. As a linking trail, the Bassett Creek Regional Trail may help reduce congestion and increase transportation efficiency.



Bassett Creek Regional Trail Location & Contextual Relationship

Source: Three Rivers Park District

When completed, the regional trail will measure approximately seven miles from French Regional Park, through the Cities of Plymouth, New Hope, Crystal, and Golden Valley to the Minneapolis Grand Rounds at Theodore Wirth Regional Park. The Bassett Creek Regional Trail will provide direct and indirect access to residential neighborhoods, two elementary schools, a middle and high school, commercial nodes, and numerous connections to local and regional parks and trail systems.

The regional trail corridor generally follows a route extending east and south from French Regional Park along 36th Avenue in Plymouth, over Trunk Highway 169 (TH 169) to Boone Avenue in New Hope. At Boone Avenue,

the regional trail diverts through Northwood Park before reconnecting with 36th Avenue to Nevada Avenue in Crystal. From Nevada Avenue, the regional trail corridor traverses south to 32nd Avenue and across Trunk Highway 100 (TH 100) into Golden Valley. From TH 100, the regional trail corridor traverses alongside Lilac Drive, Unity Avenue, Minnequa Drive, Westbend Road, Regent Avenue and Golden Valley Road/County Road 66 (CR 66) before connecting to its eastern destination at Theodore Wirth Regional Park.

Three Rivers Park District (Park District) established a regional trail master planning process that included representatives from all affected municipalities, public agencies, and the general public to provide opportunities for input that contributed to the master plan outcome. A Bassett Creek Regional Trail Task Force was established that guided the trail master plan and coordinated planning efforts within the local communities and greater region. Members of the Task Force included representatives from the following affected stakeholders: Cities of Plymouth, New Hope, Crystal and Golden Valley, Hennepin County Transportation Department, and Minneapolis Park and Recreation Board.

The Park District presented general regional trail information and the preliminary Bassett Creek Regional Trail route to adjacent communities at City Council and Park Board meetings during the fall of 2010. While no formal action was taken by each community, informal approval of the regional trail route was indicated.

The Park District, in conjunction with the adjacent trail communities, hosted a public open house where the general public reviewed the work of Task Force planning efforts and provided comment.

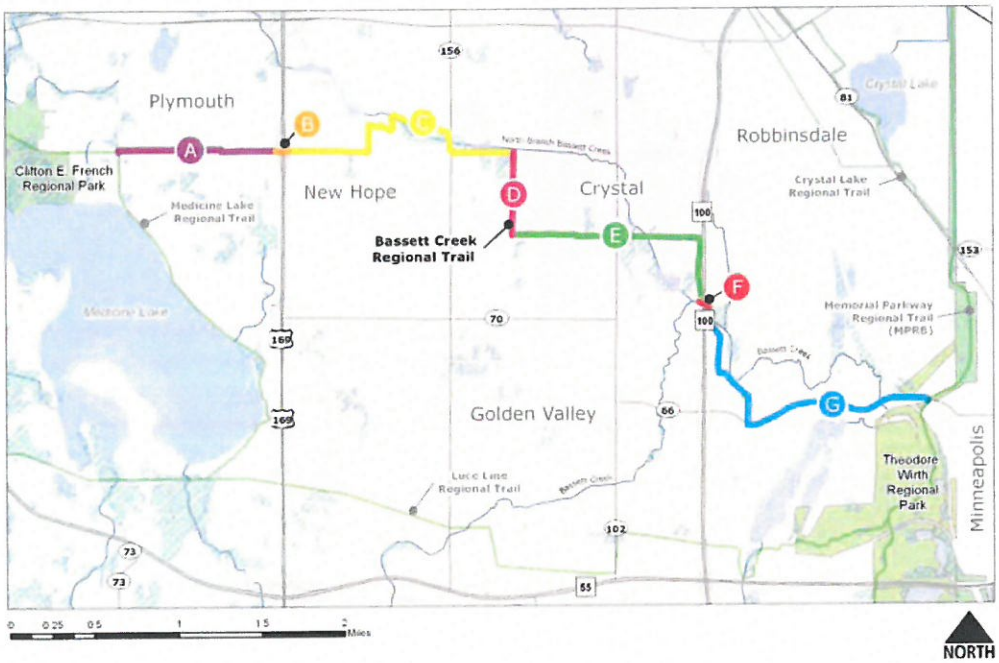
Active use of the Bassett Creek Regional Trail is expected to provide walking/hiking, bicycling, running/jogging, bicycling, in-line skating, and dog walking opportunities during the non-winter months. The Park District's seasonal-use data of existing regional trails indicates that significant use of the trail will occur in the spring, summer and fall seasons. Winter use of the Bassett Creek Regional Trail is dependent on weather conditions and independent winter use agreements with local communities to maintain and operate the trail during the winter season (defined as November 15 to March 31).

When fully constructed, the Bassett Creek Regional Trail is projected to generate 176,425 annual visits. Bassett Creek Regional Trail will connect single and multifamily residential neighborhoods, local schools, institutions, commercial areas and major recreation sites. These local and regional connections are intended to provide underserved Park District communities with a safe, multi-modal transportation option.

The Bassett Creek Regional Trail route is comprised of constructed and unconstructed segments, in varying states of Park District design standard compliance. Bassett Creek Regional Trail has been divided into seven major segments. A detailed route assessment is provided in the master plan document.

Bassett Creek Regional Trail Segments

Segment	From	To	Along | Through	Length
Plymouth				
A	Zachary Lane (adjacent to French Regional Park)	TH 169 Pedestrian Bridge	36th Avenue	1.10 mile
Plymouth | New Hope				
B	TH 169 Pedestrian Bridge			0.06 mile
New Hope				
C	TH 169 Pedestrian Bridge	Nevada Avenue	36th Avenue | Boone Avenue | Northwood Park | Winnetka Avenue | 36th Avenue	1.63 mile
New Hope | Crystal				
D	36th Avenue	32nd Avenue	Nevada Avenue	0.50 mile
Crystal				
E	Nevada Avenue	TH 100 Pedestrian Bridge	32nd Avenue | Valley Place Park | Bassett Creek Park	1.57 mile
Crystal | Golden Valley				
F	TH 100 Pedestrian Bridge			0.18 mile
Golden Valley				
G	TH 100 Pedestrian Bridge	Theodore Wirth Parkway (Theodore Wirth Regional Park)	Lilac Drive | Briarwood Nature Area | Unity Avenue/Minnaqua Drive | Westbend Road | Regent Avenue | Golden Valley Road/CR 66	1.98 mile
			Total	***7.03 miles***



Source: Three Rivers Park District

Operations & Maintenance Plan

Bassett Creek Regional Trail is operated under Park District ordinances and policies. The regional trail is overseen by professional public safety operations and maintenance staff. Services and maintenance staffing levels increase as needed and as funding permits through the employment of seasonal staff. Park Service Officers and Park Police Officers provide public safety services. Volunteers also assist with trail patrol.

Specific patrol of the Bassett Creek Regional Trail will be the primary responsibility of trail patrol staff assigned to French Regional Park, however all public safety staff patrol trails and on an as-needed basis or when call load presents an opportunity to conduct alternative patrol.

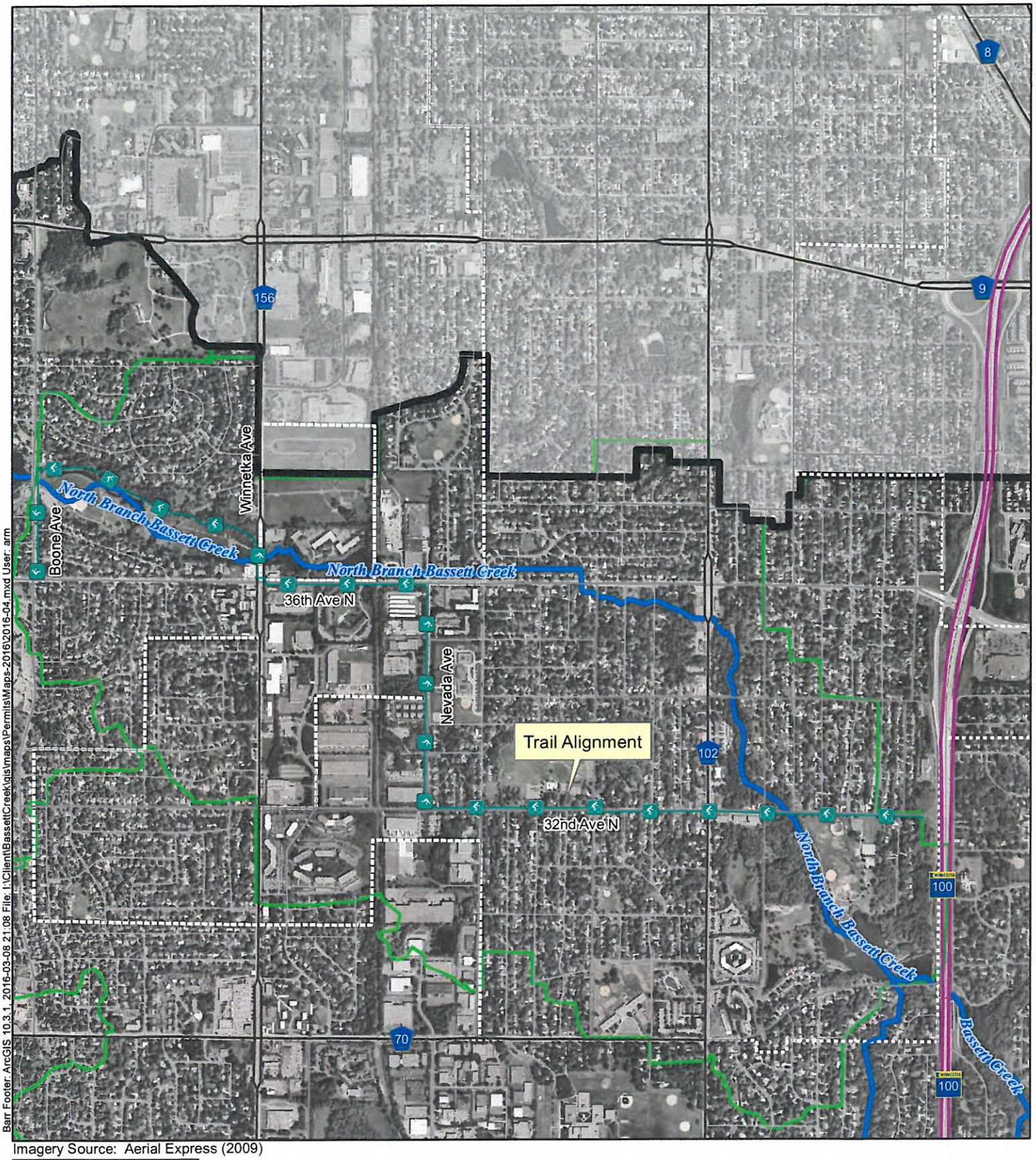
Due to extensive property holdings, geographic distribution of facilities and the need to create an efficient and cost-effective work force, the Park District organizes and budgets maintenance services in six geographic clusters that provide maintenance service to Park District regional parks, park reserves and regional trails. The French Work Cluster provides maintenance services for the Bassett Creek Regional Trail.

Estimated Costs & Funding

Regional trail implementation has both initial costs (acquisition and development) and ongoing costs (operations and maintenance). Trail development will occur as opportunities to coordinate with other agencies/ projects occur, funding becomes available, and at the discretion of the Park District Board of Commissioners. Individual development projects may move forward to coincide with development adjacent to the trail corridor for purposes of cost savings.

Regional trail development includes the cost to prepare the site, reconfigure roadways as required, modify drainage patterns where necessary, pave the trail, and install striping, and landscaping. In total, the estimated development cost for the Bassett Creek Regional Trail is $2,205,725. Additional items including wayfinding signage, traffic signage and devices, rest stops and miscellaneous trail costs are included in Appendix B | Detailed Capital Improvement Cost Estimate.

Annual operations and maintenance costs are estimated at $26,000 per year with one-time costs estimated at $3,000.



Imagery Source: Aerial Express (2009)

Barr Footer: ArcGIS 10.3.1, 2016-03-08 21:08 File: I:\Client\BassettCreek\gis\maps\Permits\Maps-2016\2016-04.mxd User: arm

- Trail Alignment
- Bassett Creek
- WMC Boundary
- Major Subwatershed
- Municipality
- Stream

Feet

0 1,000 2,000 3,000

LOCATION MAP
APPLICATION 2016-04
Three Rivers Park District
Basset Creek Regional Trail
New Hope and Crystal, MN

Item 4G.
BCWMC 3-17-16

resourceful. naturally.
engineering and environmental consultants

BARR

Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co.
Subject: Item 4G. Final Feasibility Report for Plymouth Creek Restoration Project (2017CR-P)
BCWMC March 17, 2016 Meeting Agenda
Date: March 9, 2106
Project: 23270051.36 PLY

4G. Final Feasibility Report for Plymouth Creek Restoration Project (2017CR-P)

The BCWMC Commissioners reviewed and discussed the Draft Feasibility Report for Plymouth Creek Restoration Project at the February 2016 BCWMC meeting, and the draft report was approved with minor suggested revisions. This memorandum summarizes the changes made to the report based on the discussion and comments. Where appropriate, full paragraphs or sections are included for context, and added language is underlined.

1. The Table of Contents was updated to reflect new page numbering caused by additional text.
2. Section 1.4 – Project impacts and estimated costs; first paragraph (added text underlined):

   Potential impacts from the stabilization project are discussed in Section 6.0 and include temporary impacts to wetlands, disc golf course usage, tree loss, and bat habitat. Of these, the most significant consideration for the project is the need to manage disc golf course usage to achieve the desired establishment of ground cover vegetation along the stabilized stream banks and riparian corridor. <u>This will require continued coordination with the Plymouth Parks and Recreation Department to develop a final plan</u>.

3. Section 2.2.2.4 – Other impairments; entire section is new.

   2.2.2.4 <u>Other Impairments</u>

   <u>Plymouth Creek is currently listed by the MPCA as impaired for chloride and *E. coli*, and downstream impairments include mercury in fish tissue and eutrophication for Medicine Lake, and chloride, fish bioassessments, and fecal coliform for the Bassett Creek Main Stem (Reference (3)).</u>

   <u>In 2015, the BCWMC Engineer completed a biotic index monitoring study that evaluated water quality, the macroinvertebrate community and habitat at several locations including one on Plymouth Creek approximately two miles downstream of the study reach in this report (Reference (6)). The monitoring data on Plymouth Creek found that Macroinvertebrate Index of Biotic Integrity (M-IBI) score was low enough for the creek to potentially be considered impaired for macroinvertebrates. The monitoring data also confirmed the impairment for chloride as the water quality data exceeded MPCA standards for specific conductance, which is often correlated with chloride concentrations.</u>

Due to the results of this monitoring data, the Minnesota Pollution Control Agency's (MPCA) Stream Habitat Assessment (MSHA) was completed for the study area to provide a quick qualitative assessment of the stream habitat within the study reach. The MSHA collects information on watershed land use, riparian quality, bank erosion, stream substrate type and quality, in-stream cover, and several channel morphology characteristics of an identified reach (Reference (7)). The results found all reaches of the study area to be lacking in key habitat components. Habitat features that are lacking and are possible to change through a project include in-stream cover, channel embeddedness, channel dimensions, bank erosion, and diversity in flow, velocity and depth. Other components are not possible to change, such as the fact that the study area is in a suburban landscape rather than a pristine forest.

4. Section 3.2.1 – Surrounding land use; first paragraph (new text underlined):

   Reaches 1 and 2 are within Plymouth Creek Park, a city park that includes ballfields, an event center, and a disc golf course adjacent to the creek. The park also includes a large wetland upstream of the project area. Plymouth Creek flows through the wetland from northwest to southeast. Land use surrounding the park is primarily single-family residential on the north, commercial on the west, and apartment complexes on the south. In Reaches 1 and 2, the disc golf course is present immediately adjacent to the creek and has a direct impact on the creek. Relatively mature trees are present adjacent to the creek; however typical understory vegetation (young trees, shrubs, and shade tolerant grasses and forbs) is often absent or sparse due to traffic from disc golf users.

5. Section 4.1 – Public Stakeholder meetings; second paragraph added:

   A public stakeholder meeting was held at Plymouth City Hall on October 26, 2015, at 7:00 p.m. During the meeting, preliminary design concepts were presented to local residents and users of the Plymouth Creek Park disc golf course. Attendees asked questions and provided some of their observations of the creek. There were no significant concerns raised about the project. Some attendees did indicate a strong desire to have the disc golf course remain in place, although the need for some disruption in access to the course during construction was acknowledged. One long-time resident, who lives adjacent to the creek, was able to validate the findings of historical images—that the tight meander upstream of Annapolis Lane has been in that pattern for many years.

   One user of the disc golf course attended the public stakeholder meeting and was curious about the potential impacts to the course. The BCWMC Administrator made attempts to contact a disc golf league that utilizes the disc golf course in the study area to get input on the project; however calls and emails were not returned. The discussion at the February 2016 BCWMC meeting included recommendations to continue to make efforts to contact the disc golf league and regional disc golf association(s) to discuss the project and find ways to work together to implement a successful project.

6. Section 5.1.3 – Non-site-specific techniques and considerations

   The subsections within this section were changed to have full headings and some additional text was added, as underlined below:

   5.1.3.1 <u>Management of disc golf course and revegetated areas</u>

   Regardless of the specific techniques chosen to stabilize individual sites, there will be areas that will be revegetated during construction. During the development of this study, the Plymouth Parks and Recreation Department staff have described usage of the disc golf course and potential issues with managing foot traffic in revegetated areas, and the City has recommended a discussion with the Commission regarding the extent of revegetation to ultimately be included with this project.

   The concepts developed in this report include a line-item for a project-wide approach to manage foot traffic within the revegetation areas to make the efforts more effective, and it is assumed the project-wide approach will use a combination of fencing (temporary or permanent), signage, designated walking paths, and disc retrieval poles already available on the course. The final design should include close coordination with the Plymouth Parks and Recreation Department to develop a long-term means to manage and/or exclude foot traffic from revegetated areas. <u>The final design should also continue efforts to discuss the project with users of the disc golf course, disc golf leagues that use the course, and regional disc golf associations to seek assistance in educating course users about the importance of protecting riparian vegetation.</u>

   5.1.3.1 <u>Educational signage</u>

   The public setting provides an opportunity to educate park users about riparian ecology and the efforts of the BCWMC and City of Plymouth to improve water quality by stabilizing erosion sites. It will also provide a means to encourage disc golfers to use the retrieval poles and stay out of the revegetation areas.

7. Section 6.4 – Other project impacts; last paragraph, added text is underlined

   Impacts to Plymouth Creek Park

   Due to the proximity of the disc golf course to some of the stabilization sites in Reaches 1 and 2, temporary closures of portions of the course will likely be necessary during construction to ensure the safety of park users. Plymouth Park and Recreation Department staff have indicated that <u>moving holes and/or</u> ~~a~~ temporary closing (up to of a year) specific disc golf holes may be acceptable to achieve initial vegetation establishment in the riparian areas. Multi-year or permanent hole or course closures would not be acceptable and were not considered as part of this project.

8. Section 8.0 – Alternatives assessment and recommendations; new third paragraph added as underlined below:

   The final project will consist of a combination of the alternatives discussed in Appendix G. The costs of the alternatives recommended for the final design are summarized in Table 8-1. Alternatives that could be implemented in combination were chosen if they presented cost-effective TP and TSS loading reductions without producing significant impacts to surrounding land uses. In cases where only one alternative could be implemented, priority was given to options that were innovative, cost-effective, and used natural materials. The ability of alternatives to improve stream habitat and vegetative surroundings (identified as priorities in stakeholder meetings) was also taken into consideration in choosing the final alternatives.

   Stabilization and restoration of stream banks within the project area will provide water quality improvement by 1) repairing actively eroding sites and 2) preventing erosion at other sites by installing preemptive measures to protect existing stream banks.

   <u>The final design process should include continuing to work closely with the Plymouth Parks and Recreation Department to develop a plan to successfully establish riparian vegetation on and near the banks within the project area. The effort may also include a continuation of efforts to coordinate with disc golf course users and local and regional disc golf organizations.</u>

   Using the recommended alternatives, design and construction costs for restoration of this section of Plymouth Creek total approximately $766,000, or about $275 per foot of stabilized stream. This is in the lower third of the range of costs associated with the feasible alternative combinations evaluated in Appendix H (from $506,000 to $1,153,000) and represents cost-effective stream stabilization with an emphasis on bioengineering techniques where possible. Costs for stream stabilization projects of similar scale often range between $250 and $400 per foot; costs associated with the high end of this range are often associated with rapid planning-level cost estimates. Therefore, the anticipated cost for stabilizing this reach of Plymouth Creek is on the lower end of typical price ranges for the recommended work.

   The total estimated project capital cost of $766,000 includes an estimated $479,000 in construction costs, $144,000 in construction contingency, and $144,000 design, permitting, and construction observation costs (all costs rounded to the nearest $1,000). We recommend that these costs be used to develop a levy request for this project and that it proceed to the design and construction phase.

9. Section 9.0 – References
   Two new references were added:

Bassett Creek Watershed Management Commission. *2015 Biotic Index Evaluation of Plymouth Creek and Bassett Creek.* 2016.

Minnesota Pollution Control Agency. *MPCA Stream Habitat Assessment (MSHA) Protocol for Stream Monitoring Sites.* 2014.