



Bassett Creek Watershed Management Commission

Minutes of the Regular Meeting March 21, 2013 Golden Valley City Hall, 11:30 a.m.

Commissioners and Staff Present:

Crystal	Commissioner Dan Johnson	Robbinsdale	Commissioner Wayne Sicora
Golden Valley	Commissioner Stacy Hoschka, Treasurer	St. Louis Park	Commissioner Jim de Lambert, Vice Chair
Medicine Lake	Commissioner Ted Hoshal, Secretary	Administrator	Laura Jester
Minneapolis	Alternate Commissioner Lisa Goddard	Attorney	Charlie LeFevere
Minnetonka	<i>Not represented</i>	Engineer	Karen Chandler
New Hope	Alternate Commissioner Pat Crough	Recorder	Amy Herbert
Plymouth	Commissioner Ginny Black, Chair		

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

Mary Anderson, West Metro Water Alliance	Linda Loomis, BCWMC Next Generation Plan Steering Committee Chair
Derek Asche, TAC, City of Plymouth	Tom Mathisen, TAC, City of Crystal
Christopher Gise, Resident, City of Golden Valley	Jeff Oliver, TAC, City of Golden Valley
Dave Hanson, Alternate Commissioner, City of Golden Valley	Jenny Schaust, West Metro Water Alliance
Todd Hubmer, WSB & Associates, Inc.	Liz Stout, TAC, City of Minnetonka
	Jim Vaughn, TAC, City of St. Louis Park

1. CALL TO ORDER AND ROLL CALL

On Thursday, March 21, 2013, at 11:32 a.m., Chair Black called to order the meeting of the Bassett Creek Watershed Management Commission (BCWMC) and asked for roll call to be taken. The cities of Crystal, Medicine Lake, Minnetonka, and Robbinsdale were absent from the roll call.

2. CITIZEN FORUM ON NON-AGENDA ITEMS

No citizen input was given.

[Commissioner Dan Johnson of Crystal arrives.]

3. AGENDA

Alternate Commissioner Goddard moved to approve the agenda. Commissioner de Lambert seconded the motion. The motion carried unanimously 6-0 [Cities of Medicine Lake, Minnetonka, and Robbinsdale absent from vote].

4. CONSENT AGENDA

Alternate Commissioner Goddard requested that the February 21, 2013, meeting minutes reflect when Commissioner Welch of Minneapolis arrived at that meeting. She said it would make it clear that he assumed voting responsibilities from her for upon his arrival. The Commission agreed to that revision. Alternate Commissioner Goddard moved to approve the Consent Agenda with the clarification in the meeting minutes as described. Commissioner Johnson seconded the motion. The motion carried unanimously 6-0 [Cities of Medicine Lake, Minnetonka, and Robbinsdale absent from vote].

[Commissioner Ted Hoshal of Medicine Lake arrives]

[The following items were approved as part of the Consent Agenda: the February 21, 2013, BCWMC meeting minutes, the March Financial Report, payment of the invoices, and Approval of the Contract for the 2013 River Watch Program.

The general and construction account balances reported in the March 2013 Financial Report are as follows:

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5. NEW BUSINESS

A. West Metro Water Alliance: Updates and Presentation of Educator Program. Jenny Schaust and Mary Anderson of the West Metro Water Alliance (WMWA) described the Watershed PREP program – a program of WMWA to work with teachers to enhance water education. They described the lessons that have

been developed and reported that staff presented the first of those lessons to five schools in the Wayzata school district. Ms. Schaust described the challenges to the program, including getting the message out that the program is free and the fact that the lesson material fits into the state's science curriculum. She described a meeting with the Three Rivers Park District (TRPD) about the program and reported on the positive outcomes of that meeting including an understanding between the entities that the WMWA program won't conflict with the TRPD's programs and making connections with the TRPD. The Commission offered feedback and suggestions about the program.

[Commissioner Sicora arrives.]

- **Commission Communications:** Commissioner Hoshal presented a list of upcoming education activities. Administrator Jester reminded the Commission about the WMWA survey from Judie Anderson and requested commissioners to respond and provide their feedback to Ms. Anderson.
- B. Discuss Administrator's Agenda Memo Format and Use.** The Commission indicated that the memo and its format are useful and that the Administrator should continue the practice of preparing the memo and including it in the meeting packet. Administrator Jester said that if anyone has feedback about the memo or format to please provide it to her.
- C. Discuss 2013 Watershed Tour.** The Commission agreed to hold a watershed tour in 2013 and discussed possible dates, deciding to look at having the tour in the month of June after the June 13th Watershed Summit. Chair Black suggested that the tour visit the entrance of the tunnel and visit the WOMP station. Mr. Oliver commented that there are a few new projects in that area as well. Administrator Jester suggested doing a Doodle poll to determine the tour date. Chair Black asked that a survey via Survey Monkey be sent out to TAC and the Commission to get suggestions for tour stops. She said that Mr. Asche could look into the cost of using the Plymouth Metrolink for the tour transportation.
- D. Presentation on Draft Feasibility Report.** Mr. Hubmer of WSB & Associates, Inc. presented the findings of WSB's Feasibility Report on the Briarwood/Dawnview Water Quality Improvement Project prepared for the City of Golden Valley. He described the five alternatives considered, their costs, benefits, and potential drawbacks. He also reported the anticipated pounds of phosphorous and pounds of total suspended solids that would be removed with each alternative:
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Mr. Hubmer said that WSB recommends option 3 due to its predicted high level of phosphorous removal of 35 pounds per year at a cost of \$5,371.43 per pound removed and predicted total suspended solids removal of 21,600 pounds per year at a cost of \$9 per pound removed and also due to the fact that the cost of the option fits with the project budget of \$180,000.

The Commission asked many questions about the presented options including what design method was used

to design the ponds, the proposed size of the ponds, the possibility of constructing in the wetland, how the wetland edge was determined, if a splitter is to be used so that flows higher than the designed-for one-inch rainfall bypasses the pond, maintenance costs of the different options, and whether PAHs were considered since they would raise the cost of sediment disposal when the pond needs to be cleaned out. Mr. Hubmer responded to the Commission's questions.

Ms. Chandler recommended that the Commission consider option 5 because it removes more pollutants at a lower cost. She asked to hear from the City of Golden Valley on its potential constraints that would cause a short-term cash flow issue that would prevent the larger project, option 5, from being built. Mr. Oliver said that to undertake option 5, the Commission would need to consider using its closed-project funds. He said that due to low bids on recent projects, the City anticipates putting another \$200,000 into the closed project fund and there would be enough in that fund to help pay for option 5.

There was discussion about the iron-enhanced filtration system technology and what should be considered for the final design. Alternate Commissioner Goddard asked if the cost for the flow splitter was worked into that option's cost. Mr. Hubmer said yes. Commissioner Sicora commented that there are a lot of unknowns about the iron-enhanced filtration system technology in the long-term and said that if the Commission goes that route, then it should include a maintenance component.

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The Commission further discussed the options and the course of action it could take. Commissioner Sicora moved to accept the report with changes to remove options 1, 2, and 4, so that the report would address only options 3 and 5, with more detail included with option 5. Commissioner Crough seconded the motion. The motion carried unanimously 8-0 [City of Minnetonka absent from vote]. Mr. Oliver said that they would start to develop a scope of services and bring back in front of the Commission, but likely not next month.

Administrator Jester said that the Commission needs to order the public hearing for its proposed Major Plan Amendment. The Commission ordered the public hearing to be held at the Commission's May 16th meeting. Ms. Chandler commented that by the May meeting the Commission would have an idea of the maximum project cost of the Briarwood/ Dawnview project and would be able to set the Commission's maximum levy request, which Hennepin County requires around that same time.

Administrator Jester reported that the Commission received a letter from the Metropolitan Council on the Commission's proposed Major Plan Amendment and that the Met Council had no comments.

E. TAC Updates. The Commission set the agenda for the April 4th TAC meeting:

- Discuss Lakeview Park Pond project;
- Discuss process to finalize the XP-SWM model and the P8 model and the method of distributing the information to the Commission;

- Discuss improving the CIP budget document; and,
- Discuss possible watershed tour stops.

The Commission decided that it doesn't need to continue the process of having a Commission liaison attend the TAC meetings but noted that the meetings are open and commissioners can attend anytime.

F. Presentation of the 2012 Biotic Index Monitoring Results for Bassett and Plymouth Creeks.

Ms. Chandler explained that the 2012 monitoring program included only biological monitoring for Plymouth and Bassett Creeks. She said that in recent years the Commission has been on a three-year cycle of collecting macroinvertebrate data and said that the Commission has collected this type of data since 1980. Ms. Chandler described how macroinvertebrates are an indicator of water quality. She said that for this monitoring program, data is collected at seven sites. She described the two biological indices used to evaluate the water quality of the two creeks: the HBI (Hilsenhoff Biotic Index) and the ICI (Invertebrate Community Index). Ms. Chandler said that Figure 9 in the evaluation report "A Biotic Index Evaluation of Bassett Creek and Plymouth Creek: 2012" by Barr Engineering provides a nice snapshot of what's going on with the creeks according to the monitoring. She said the figure shows that in 2012 there was better water quality at four of the seven sites, especially at the Main Stem site at Rhode Island Avenue, and worse water quality at three of the sites. She noted that at one of the sites there was no water flow and there is a notation that no samples were collected at that site.

Ms. Chandler pointed out that the report mentions a new index – the Macroinvertebrate Index of Biological Integrity (MIBI) – that is being developed by the Minnesota Pollution Control Agency (MPCA). The MPCA will use the MIBI to determine if streams are impaired. The Commission discussed impairments of the creeks and potential impairments. Administrator Jester wondered about the sampling protocols being followed and said that there are some protocols that track habitat, which can help correlate the monitoring results.

Commissioner Hoshal asked if there is any way to interpret a trend line for the sites. Ms. Chandler said that she will need to ask if trend analysis can be applied to the data. She commented that if the Commission would prefer it, the graph can be separated into seven different graphs, one for each site. Commissioner Hoschka commented that it would be nice to have a graph that provides a snapshot on flow and/ or climatic data in order to normalize the monitoring data. She commented that she didn't think enough data points have been captured to do a statistical analysis.

Chair Black read aloud the five bullet points on pages 2 and 3 of the evaluation report. The Commission agreed to bullet point number one that the Commission would continue to manage the efforts of Bassett Creek and Plymouth Creek, including installation of BMPs to protect, and, if possible, to improve the water quality of the stream as opportunities become available. The Commission agreed in general to bullet point number two that the Commission will sample all of the stations again in three to five years. The Commission agreed to bullet point number three that it will continue the flow and water quality monitoring from the WOMP Station. Chair Black noted that the Commission has a two-year contract in place with the Met Council for the WOMP work and said that the issue will come up again next year during the Commission's budget process. The Commission discussed bullet points 4 and 5 regarding using the MIBI when it is finalized by the MPCA and applying the MIBI to historical macroinvertebrate data collected by the Commission. Chair Black voiced her concern about changing indices because it would lead to discontinuous data. The Commission discussed continuing to use the HBI for some time after starting to use the MIBI.

Commissioner Hoshal asked if there are any points with the monitoring that the Commission isn't covering but should look into. Administrator Jester said that as part of the plan updating process it would be a good

idea for the Commission to look at this issue regarding whether the Commission needs more water quality data.

Commissioner Sicora moved to accept the report and the conditions cited in the report. Alternate Commissioner Goddard seconded the motion. The motion carried unanimously 8-0 [City of Minnetonka absent from vote].

G. BWSR Request for Comments on Amendment to Metro Water Management Rules. Ms.

Chandler said that the Minnesota Board of Water and Soil Resources (BWSR) sent out a request for comments on the proposed amendments to the 8410 Rules, which are the rules governing metropolitan area local water management. She noted that she and Mr. LeFevere were on the advisory committee for the rules amendments. Ms. Chandler said that her memo in the meeting packet summarizes the proposed amendments and she went through the points in the memo with the Commission. There was extensive discussion on the topic of a proposed requirement that the watershed develop a process for evaluating local plan implementation and for addressing a local unit of government's failure to implement its plan. There was extensive discussion on the topic of the benefit of standardized reporting and the need for guidance from BWSR for such standardization. Chair Black brought up the fact that there is a budget element involved with the proposed rule amendments and said that the process of reporting back to BWSR would be a new cost. Ms. Chandler remarked that it will take a fair amount of discussion in the plan update process to work through the issues raised here.

Ms. Chandler said that if the Commission wants to submit comments, they are due in to BWSR by April 22nd. She said that she is hearing that the Commission wants guidance in implementing the new rules.

Administrator Jester said that she has comments on the proposed amendments but isn't sure that they represent this body's concerns. The Commission decided not to submit comments, noting that individuals can submit comments on their own if they wish.

6. OLD BUSINESS

A. Review Draft Letter to Cities Regarding JPA Amendment. The Commission was satisfied with the draft letter and attached amendment with the insertion that comments are due to Administrator Jester by June 1st. The Commission approved sending the letter and the draft amendment to the city manager of each member city and to Lois Eberhart of Minneapolis.

B. Approve 2015-2019 Capital Improvement Program. Administrator Jester said that each of the CIP projects now has its own fact sheet. Alternate Commissioner Goddard asked if the cost listed on each fact sheet included the cost of the project's feasibility study. Ms. Chandler said yes, the listed cost is a lump sum cost. Ms. Chandler said that the Commission needs to take action to approve the 2015-2019 CIP and that the Commission needs to decide how it will order the feasibility study for the Main Stem restoration project from 10th Avenue to Duluth Street.

Chair Black said that she would prefer to go to the Engineer Pool to get bids on the feasibility study. Mr. Oliver said that he would prefer that WSB & Associates prepare the feasibility study. There was a discussion about these two options. Mr. LeFevere provided information on how the Commission has handled directing feasibility studies in the past. Chair Black voiced her concerns about awarding the feasibility study to a firm instead of asking the Engineer Pool for bids. Mr. Oliver provided support for his position.

Commissioner Hoshal moved to approve the 2015-2019 CIP. Commissioner de Lambert seconded the

motion. The motion carried unanimously 8-0 [City of Minnetonka absent from vote].

The Commission discussed the method of ordering the feasibility study for the project and reached consensus that the City of Golden Valley will manage the project and Commission staff will come back in April with a proposed contract with Golden Valley to reimburse it for the preparation of the feasibility study.

- C. Receive Update on Next Generation Plan Development.** Administrator Jester and Ms. Loomis provided an update on the small group meetings that have occurred and announced the upcoming small group meetings. Ms. Loomis said that BCWMC Deputy Treasurer Sue Virnig suggested that the Commission include as an insert into residents' tax statement information on where the money goes that the watershed collects. Ms. Loomis said that now would be the time to get going on that initiative if the Commission is interested in it.

Administrator Jester said that as of Monday there have been 24 surveys completed. Alternate Commissioner Goddard reported on the neighborhood meetings that she and Commissioner Welch attended to announce the March 30th joint meeting with the Minneapolis Park and Recreation Board, the online survey, and the June 13th Watershed Summit.

Administrator Jester provided an update about the article by Judy Arginteanu and requested using Commission funds to have Ms. Arginteanu help the Commission distribute the article. The Commission approved the request.

Administrator Jester announced that the next Plan Steering Committee meeting will be on Monday, March 25th at Plymouth City Hall.

7. COMMUNICATIONS

A. Administrator

- i. Administrator Jester noted that her Administrator Report details what she has been working on and is included in the meeting packet.

B. Chair:

- i. Chair Black announced the retirement of Margie Vigoren from the City of Plymouth.

C. Commissioners

- i. Commissioner Hoschka announced that last week she attended the presentation at Barr Engineering Company of MPCA Commissioner John Linc Stine.

D. Committees:

- i. Administrative Services Committee: Commissioner Jim de Lambert, Committee Chair, reported that the Committee met in March and the meeting notes are in the meeting packet. He said that a roles and responsibilities document is in the works and will be brought to the Commission for approval. Commissioner de Lambert said that the Committee will schedule a meeting for April and the Budget Committee also will schedule a meeting for April. The Commission agreed that the meetings could be held back-to-back.

E. Legal Counsel: No Legal Communications

F. Engineer:

- i. Ms. Chandler announced that Len Kremer of Barr Engineering will be attending Upper

Mississippi Bacteria TMDL Stakeholder meeting.

- ii. Ms. Chandler reported that that the Commission Engineer will be attending a meeting about the Southwest LRT and said that the project proposes to do work over the double-box culvert.

8. ADJOURNMENT

The meeting adjourned at 2:28 p.m.

Chair

Date

Amy Herbert, Recorder

Date

Secretary

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G. BWSR Request for Comments on Amendment to Metro Water Management Rules. Ms.

Chandler said that the Minnesota Board of Water and Soil Resources (BWSR) sent out a request for comments on the proposed amendments to the 8410 Rules, which are the rules governing metropolitan area local water management. She noted that she and Mr. LeFevere were on the advisory committee for the rules amendments. Ms. Chandler said that her memo in the meeting packet summarizes the proposed amendments and she went through the points in the memo with the Commission. There was extensive discussion on the topic of a proposed requirement that the watershed develop a process for evaluating local plan implementation and for addressing a local unit of government's failure to implement its plan. There was extensive discussion on the topic of the benefit of standardized reporting and the need for guidance from BWSR for such standardization. Chair Black brought up the fact that there is a budget element involved with the proposed rule amendments and said that the process of reporting back to BWSR would be a new cost. Ms. Chandler remarked that it will take a fair amount of discussion in the plan update process to work through the issues raised here.

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Administrator Jester said that she has comments on the proposed amendments but isn't sure that they represent this body's concerns. The Commission decided not to submit comments, noting that individuals can submit comments on their own if they wish.

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Administrator Jester announced that the next Plan Steering Committee meeting will be on Monday, March 25th at Plymouth City Hall.

7. COMMUNICATIONS

A. Administrator

- i. Administrator Jester noted that her Administrator Report details what she has been working on and is included in the meeting packet.

B. Chair:

- i. Chair Black announced the retirement of Margie Vigoren from the City of Plymouth.

C. Commissioners

- i. Commissioner Hoschka announced that last week she attended the presentation at Barr Engineering Company of MPCA Commissioner John Linc Stine.

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- i. Administrative Services Committee: Commissioner Jim de Lambert, Committee Chair, reported that the Committee met in March and the meeting notes are in the meeting packet. He said that a roles and responsibilities document is in the works and will be brought to the Commission for approval. Commissioner de Lambert said that the Committee will schedule a meeting for April and the Budget Committee also will schedule a meeting for April. The Commission agreed that the meetings could be held back-to-back.

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Mississippi Bacteria TMDL Stakeholder meeting.

- ii. Ms. Chandler reported that that the Commission Engineer will be attending a meeting about the Southwest LRT and said that the project proposes to do work over the double-box culvert.

8. ADJOURNMENT

The meeting adjourned at 2:28 p.m.

Chair

Date

Amy Herbert, Recorder

Date

Secretary

Date



Bassett Creek Watershed Management Commission

Minutes of the Regular Meeting March 21, 2013 Golden Valley City Hall, 11:30 a.m.

Commissioners and Staff Present:

Crystal	Commissioner Dan Johnson	Robbinsdale	Commissioner Wayne Sicora
Golden Valley	Commissioner Stacy Hoschka, Treasurer	St. Louis Park	Commissioner Jim de Lambert, Vice Chair
Medicine Lake	Commissioner Ted Hoshal, Secretary	Administrator	Laura Jester
Minneapolis	Alternate Commissioner Lisa Goddard	Attorney	Charlie LeFevere
Minnetonka	<i>Not represented</i>	Engineer	Karen Chandler
New Hope	Alternate Commissioner Pat Crough	Recorder	Amy Herbert
Plymouth	Commissioner Ginny Black, Chair		

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

Mary Anderson, West Metro Water Alliance	Linda Loomis, BCWMC Next Generation Plan Steering Committee Chair
Derek Asche, TAC, City of Plymouth	Tom Mathisen, TAC, City of Crystal
Christopher Gise, Resident, City of Golden Valley	Jeff Oliver, TAC, City of Golden Valley
Dave Hanson, Alternate Commissioner, City of Golden Valley	Jenny Schaust, West Metro Water Alliance
Todd Hubmer, WSB & Associates, Inc.	Liz Stout, TAC, City of Minnetonka
	Jim Vaughn, TAC, City of St. Louis Park

1. CALL TO ORDER AND ROLL CALL

On Thursday, March 21, 2013, at 11:32 a.m., Chair Black called to order the meeting of the Bassett Creek Watershed Management Commission (BCWMC) and asked for roll call to be taken. The cities of Crystal, Medicine Lake, Minnetonka, and Robbinsdale were absent from the roll call.

2. CITIZEN FORUM ON NON-AGENDA ITEMS

No citizen input was given.

[Commissioner Dan Johnson of Crystal arrives.]

3. AGENDA

Alternate Commissioner Goddard moved to approve the agenda. Commissioner de Lambert seconded the motion. The motion carried unanimously 6-0 [Cities of Medicine Lake, Minnetonka, and Robbinsdale absent from vote].

4. CONSENT AGENDA

Alternate Commissioner Goddard requested that the February 21, 2013, meeting minutes reflect when Commissioner Welch of Minneapolis arrived at that meeting. She said it would make it clear that he assumed voting responsibilities from her for upon his arrival. The Commission agreed to that revision. Alternate Commissioner Goddard moved to approve the Consent Agenda with the clarification in the meeting minutes as described. Commissioner Johnson seconded the motion. The motion carried unanimously 6-0 [Cities of Medicine Lake, Minnetonka, and Robbinsdale absent from vote].

[Commissioner Ted Hoshal of Medicine Lake arrives]

[The following items were approved as part of the Consent Agenda: the February 21, 2013, BCWMC meeting minutes, the March Financial Report, payment of the invoices, and Approval of the Contract for the 2013 River Watch Program.

The general and construction account balances reported in the March 2013 Financial Report are as follows:

Checking Account Balance	\$755,468.15
TOTAL GENERAL FUND BALANCE	\$755,468.15
TOTAL CASH & INVESTMENTS ON-HAND (3/13/13)	\$2,914,899.71
CIP Projects Levied – Budget Remaining	(\$2,657,033.14)
Closed Projects Remaining Balance	\$257,866.57
2013 Anticipated Tax Levy Revenue	\$986,000.00
Anticipated Closed Project Balance	\$1,243,866.57

5. NEW BUSINESS

A. West Metro Water Alliance: Updates and Presentation of Educator Program. Jenny Schaust and Mary Anderson of the West Metro Water Alliance (WMWA) described the Watershed PREP program – a program of WMWA to work with teachers to enhance water education. They described the lessons that have

been developed and reported that staff presented the first of those lessons to five schools in the Wayzata school district. Ms. Schaust described the challenges to the program, including getting the message out that the program is free and the fact that the lesson material fits into the state's science curriculum. She described a meeting with the Three Rivers Park District (TRPD) about the program and reported on the positive outcomes of that meeting including an understanding between the entities that the WMWA program won't conflict with the TRPD's programs and making connections with the TRPD. The Commission offered feedback and suggestions about the program.

[Commissioner Sicora arrives.]

- **Commission Communications:** Commissioner Hoshal presented a list of upcoming education activities. Administrator Jester reminded the Commission about the WMWA survey from Judie Anderson and requested commissioners to respond and provide their feedback to Ms. Anderson.
- B. Discuss Administrator's Agenda Memo Format and Use.** The Commission indicated that the memo and its format are useful and that the Administrator should continue the practice of preparing the memo and including it in the meeting packet. Administrator Jester said that if anyone has feedback about the memo or format to please provide it to her.
- C. Discuss 2013 Watershed Tour.** The Commission agreed to hold a watershed tour in 2013 and discussed possible dates, deciding to look at having the tour in the month of June after the June 13th Watershed Summit. Chair Black suggested that the tour visit the entrance of the tunnel and visit the WOMP station. Mr. Oliver commented that there are a few new projects in that area as well. Administrator Jester suggested doing a Doodle poll to determine the tour date. Chair Black asked that a survey via Survey Monkey be sent out to TAC and the Commission to get suggestions for tour stops. She said that Mr. Asche could look into the cost of using the Plymouth Metrolink for the tour transportation.
- D. Presentation on Draft Feasibility Report.** Mr. Hubmer of WSB & Associates, Inc. presented the findings of WSB's Feasibility Report on the Briarwood/Dawnview Water Quality Improvement Project prepared for the City of Golden Valley. He described the five alternatives considered, their costs, benefits, and potential drawbacks. He also reported the anticipated pounds of phosphorous and pounds of total suspended solids that would be removed with each alternative:
 - Option 1: Construct Stormwater Treatment Manholes/ Projected Cost: \$403,000
 - Option 2: Construct Raingarden/ Projected Cost: \$35,000
 - Option 3: Construct Stormwater retention and treatment pond with dead pool storage/ Projected Cost: \$190,000
 - Option 4: Construct Iron-enhanced filtration system/ Projected Cost: \$178,000
 - Option 5: Construct stormwater retention and treatment pond with dead pool storage and iron-enhanced filtration system/ Projected Cost: \$235,000

Mr. Hubmer said that WSB recommends option 3 due to its predicted high level of phosphorous removal of 35 pounds per year at a cost of \$5,371.43 per pound removed and predicted total suspended solids removal of 21,600 pounds per year at a cost of \$9 per pound removed and also due to the fact that the cost of the option fits with the project budget of \$180,000.

The Commission asked many questions about the presented options including what design method was used

to design the ponds, the proposed size of the ponds, the possibility of constructing in the wetland, how the wetland edge was determined, if a splitter is to be used so that flows higher than the designed-for one-inch rainfall bypasses the pond, maintenance costs of the different options, and whether PAHs were considered since they would raise the cost of sediment disposal when the pond needs to be cleaned out. Mr. Hubmer responded to the Commission's questions.

Ms. Chandler recommended that the Commission consider option 5 because it removes more pollutants at a lower cost. She asked to hear from the City of Golden Valley on its potential constraints that would cause a short-term cash flow issue that would prevent the larger project, option 5, from being built. Mr. Oliver said that to undertake option 5, the Commission would need to consider using its closed-project funds. He said that due to low bids on recent projects, the City anticipates putting another \$200,000 into the closed project fund and there would be enough in that fund to help pay for option 5.

There was discussion about the iron-enhanced filtration system technology and what should be considered for the final design. Alternate Commissioner Goddard asked if the cost for the flow splitter was worked into that option's cost. Mr. Hubmer said yes. Commissioner Sicora commented that there are a lot of unknowns about the iron-enhanced filtration system technology in the long-term and said that if the Commission goes that route, then it should include a maintenance component.

Ms. Chandler said that she thinks the Commission should get more information in the feasibility report about the operations and maintenance of option 5 in order to have a better idea of the true costs. Mr. Oliver commented regarding the maintenance costs for option 3, the City wouldn't need to do pond maintenance for 20 to 25 years. He said that his concern with the iron filings technology is that the maintenance needs and costs are unknown. Mr. Oliver said that if the maintenance is periodic, such as every five years, then the City could probably handle it but if the maintenance was more frequent or substantial then the City would need to talk to the Commission about cost sharing. Mr. Hubmer said that the iron should last 20 years, which is the expected life the practice.

The Commission further discussed the options and the course of action it could take. Commissioner Sicora moved to accept the report with changes to remove options 1, 2, and 4, so that the report would address only options 3 and 5, with more detail included with option 5. Commissioner Crough seconded the motion. The motion carried unanimously 8-0 [City of Minnetonka absent from vote]. Mr. Oliver said that they would start to develop a scope of services and bring back in front of the Commission, but likely not next month.

Administrator Jester said that the Commission needs to order the public hearing for its proposed Major Plan Amendment. The Commission ordered the public hearing to be held at the Commission's May 16th meeting. Ms. Chandler commented that by the May meeting the Commission would have an idea of the maximum project cost of the Briarwood/ Dawnview project and would be able to set the Commission's maximum levy request, which Hennepin County requires around that same time.

Administrator Jester reported that the Commission received a letter from the Metropolitan Council on the Commission's proposed Major Plan Amendment and that the Met Council had no comments.

E. TAC Updates. The Commission set the agenda for the April 4th TAC meeting:

- Discuss Lakeview Park Pond project;
- Discuss process to finalize the XP-SWM model and the P8 model and the method of distributing the information to the Commission;

- Discuss improving the CIP budget document; and,
- Discuss possible watershed tour stops.

The Commission decided that it doesn't need to continue the process of having a Commission liaison attend the TAC meetings but noted that the meetings are open and commissioners can attend anytime.

F. Presentation of the 2012 Biotic Index Monitoring Results for Bassett and Plymouth Creeks.

Ms. Chandler explained that the 2012 monitoring program included only biological monitoring for Plymouth and Bassett Creeks. She said that in recent years the Commission has been on a three-year cycle of collecting macroinvertebrate data and said that the Commission has collected this type of data since 1980. Ms. Chandler described how macroinvertebrates are an indicator of water quality. She said that for this monitoring program, data is collected at seven sites. She described the two biological indices used to evaluate the water quality of the two creeks: the HBI (Hilsenhoff Biotic Index) and the ICI (Invertebrate Community Index). Ms. Chandler said that Figure 9 in the evaluation report "A Biotic Index Evaluation of Bassett Creek and Plymouth Creek: 2012" by Barr Engineering provides a nice snapshot of what's going on with the creeks according to the monitoring. She said the figure shows that in 2012 there was better water quality at four of the seven sites, especially at the Main Stem site at Rhode Island Avenue, and worse water quality at three of the sites. She noted that at one of the sites there was no water flow and there is a notation that no samples were collected at that site.

Ms. Chandler pointed out that the report mentions a new index – the Macroinvertebrate Index of Biological Integrity (MIBI) – that is being developed by the Minnesota Pollution Control Agency (MPCA). The MPCA will use the MIBI to determine if streams are impaired. The Commission discussed impairments of the creeks and potential impairments. Administrator Jester wondered about the sampling protocols being followed and said that there are some protocols that track habitat, which can help correlate the monitoring results.

Commissioner Hoshal asked if there is any way to interpret a trend line for the sites. Ms. Chandler said that she will need to ask if trend analysis can be applied to the data. She commented that if the Commission would prefer it, the graph can be separated into seven different graphs, one for each site. Commissioner Hoschka commented that it would be nice to have a graph that provides a snapshot on flow and/ or climatic data in order to normalize the monitoring data. She commented that she didn't think enough data points have been captured to do a statistical analysis.

Chair Black read aloud the five bullet points on pages 2 and 3 of the evaluation report. The Commission agreed to bullet point number one that the Commission would continue to manage the efforts of Bassett Creek and Plymouth Creek, including installation of BMPs to protect, and, if possible, to improve the water quality of the stream as opportunities become available. The Commission agreed in general to bullet point number two that the Commission will sample all of the stations again in three to five years. The Commission agreed to bullet point number three that it will continue the flow and water quality monitoring from the WOMP Station. Chair Black noted that the Commission has a two-year contract in place with the Met Council for the WOMP work and said that the issue will come up again next year during the Commission's budget process. The Commission discussed bullet points 4 and 5 regarding using the MIBI when it is finalized by the MPCA and applying the MIBI to historical macroinvertebrate data collected by the Commission. Chair Black voiced her concern about changing indices because it would lead to discontinuous data. The Commission discussed continuing to use the HBI for some time after starting to use the MIBI.

Commissioner Hoshal asked if there are any points with the monitoring that the Commission isn't covering but should look into. Administrator Jester said that as part of the plan updating process it would be a good

idea for the Commission to look at this issue regarding whether the Commission needs more water quality data.

Commissioner Sicora moved to accept the report and the conditions cited in the report. Alternate Commissioner Goddard seconded the motion. The motion carried unanimously 8-0 [City of Minnetonka absent from vote].

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