

Gregg  
Miller  
Nash

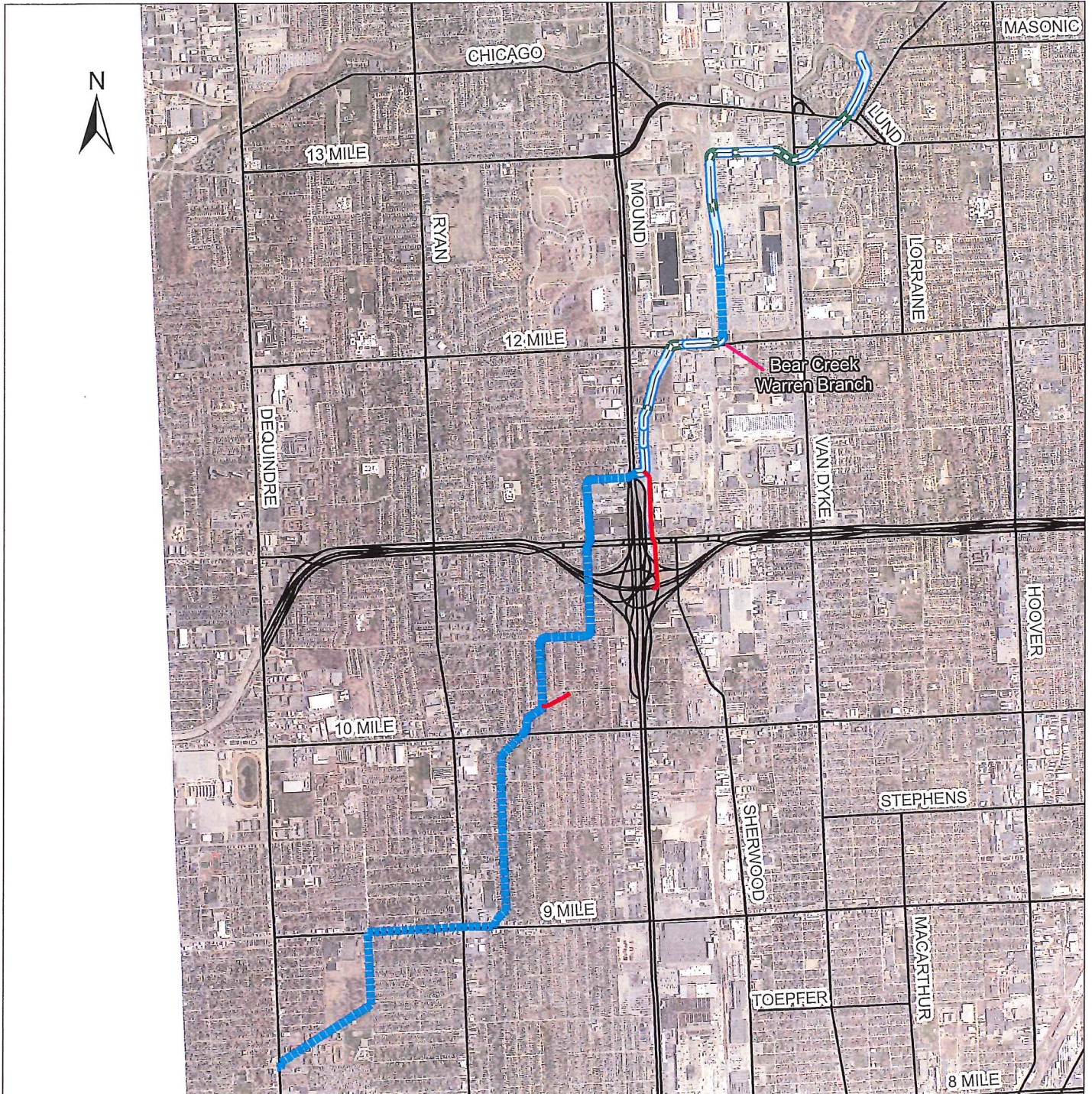
BEAR CREEK  
INTER-COUNTY DRAINAGE BOARD  
APRIL 23, 2019  
10:00 A.M.  
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda	
3. Approval of Minutes of meeting of March 26, 2019	3
4. Public Participation	
5. Project Update – Jeff Bednar	
6. Consideration for approval of invoices (see attached)	7
7. Financial Update – Bruce Manning	8
8. Old Business	
9. New Business	
10. Adjourn	



# BEAR CREEK DRAIN (INTER COUNTY)

## CENTERLINE/WARREN/OAKLAND COUNTY



Drain Length (Feet/Miles):  
54,012.44 / 10.23

### Legend

- |  |                     |
|--|---------------------|
| <b>Enclosed Gravity</b>                      | <b>Open Channel</b> |
| <span style="color: red;">—</span> < 60" Dia | Ditch               |
| >= 60" Dia                                   | Pond                |
| Culvert                                      |                     |



A meeting of the Inter-County Drainage Board for the **BEAR CREEK DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan on March 26, 2019.

PRESENT: Michael Gregg, Chairman  
Michigan Department of Agriculture & Rural Development

Candice S. Miller, Secretary  
Macomb County Public Works Commissioner

Jim Nash, Member  
Office of Oakland County Water Resources Commissioner

ALSO PRESENT: Anne Vaara, Chief Deputy; Steve Korth, P.E., Manager, Office of Oakland County Water Resources Commissioner; Brian Baker, Chief Deputy, Jeff Bednar P.E., Environmental Resources Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Madison Tanghe, Senior Secretary, Kellie Kource, Drain Account Specialist, Kyle McKee, Community Services Manager, Macomb County Public Works; Lou Urban, P.E., Senior Project Engineer, Anderson, Eckstein & Westrick, Inc.

The Chairman called the meeting to order at 10:01 a.m.

A motion was made by Ms. Miller, supported by Mr. Nash to approve the agenda as presented.

Adopted: YEAS: 3  
NAYS: 0

The minutes of the meeting of February 26, 2019 were presented. A motion was made by Ms. Miller, supported by Mr. Nash to approve the minutes as presented.

Adopted: YEAS: 3  
NAYS: 0

The meeting was open to the public participation, then closed, there being no comments from the public.

Mr. Bednar and Mr. Urban updated the board on potential improvements to the Bear Creek Drain. Mr. Urban noted that they have met with the City of Warren, GM Tech Center, Detroit Arsenal, and private property owner Rodney Elnick. At 11 mile road there is an enclosure of a single 12x12 foot box and a drain easement with potential for daylighting. The Road Commission would be willing to donate a portion of property where they have salt storage. Across Mound there are dual 12 foot boxes, while on the east side of Mound there is a discharge area from a pump station that sits on Mound Road/696. MDOT has a pump station that pumps flow from 696 into the Bear Creek at the Detroit Arsenal which they noted this pump floods them out. The thought was to cut the discharge off and let it fall into a sediment forbay prior to getting into the Bear Creek. On the Detroit Arsenal property, many buildings have been demolished and part of their master plan is to use about 4 acres for any new development. They have a goal to reduce their foot print, reduce their cost, and are willing to donate 20-24 acres for a regional detention basin. The hydraulic modeling needs to show a 100 and 500 year flood plan elevation has a positive impact for them. Ms. Miller wants this put on a future agenda item regarding MDOT pumping into the Bear Creek.

The property north of Detroit Arsenal is privately owned. The owner will sell for \$4 million. There could be opportunity to move the drain to the rear of the property versus through the middle of the property. If the drain is at the rear of the property, we may be able to get him to donate a portion of his property which might be beneficial hydraulically and benefit him financially by being able to use more of his property.

Mr. Korth asked for clarification on what problem is being solved. It was explained by Mr. Bednar and Mr. Urban that the city of Warren did not have a detention requirement previously, leading to capacity problems in the drain. When Bear Creek is over capacity, it floods areas of the community. The goal is to minimize this risk and flatten the hydraulic grade line through the entire city.

There is a March 29 meeting on the Mound Road reconstruction project regarding what their improvements entail. They want to update the road crossings so there is no negative impact on their roads. The project is supposed to start in 2020. If they start at the north end that would give us time to develop this project and not interfere with their work. Applied Science is putting together an existing conditions hydraulic model by the end of April. Model calibration using flow meters is expected by end of May. Proposed improvement modeling is anticipated by the beginning of June. After the model is done they will be able to put together cost estimates.

General Motors put in new parking decks relieving their need for additional parking. Their master plan was to eliminate the additional parking lots and restore the Bear Creek Drain, put in environmental plantings, and make the area an amenity to their campus. This would increase storage volume significantly from twin 12 foot box to a large detention area. Mr. Urban has asked them for a schedule.

Mr. Korth suggested looking at the impact on Red Run if these changes are made to Bear Creek.

A motion was made by Mr. Nash, supported by Ms. Miller to receive and file the project update by Mr. Bednar.

Adopted: YEAS: 3  
NAYS: 0

The Chairman presented the invoice totaling \$8,147.00 as provided to the Board for review and approval.

A motion was made by Ms. Miller, supported by Mr. Nash to approve the invoices as presented.

Adopted: YEAS: 3  
NAYS: 0

A motion was made by Mr. Nash, supported by Ms. Miller to receive and file the financial report presented by Mr. Manning

New business was brought by Ms. Miller regarding the BP gas station on Mound Road north of 696. Our inspector was inspecting the deicing issue from Detroit Arsenal and noticed a substance bubbling from the ground behind the gas station. The owner stated they checked their tanks and did not have a problem with them. PM Environmental has been contracted by the property owner and drilled 8 different spots and came back that the substance is diesel. They are still trying to

figure out where it is coming from. They are doing some vacuuming, camera work and drilling to find the source of the issue. The cost is being absorbed by BP currently. Their garbage and used oil filter bins are by the drain which was not in the site plan. Their air relief valves are also potentially on our easement. This should not have been approved.

There being no further business, it was moved by Mr. Gregg, supported by Ms. Miller that the meeting of the Bear Creek Inter-County Drainage Board be adjourned.


Adopted: YEAS: 3  
NAYS: 0

The meeting was adjourned at approximately 11:03 a.m.

  
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Candice S. Miller, Secretary  
Bear Creek Inter-County Drainage Board

STATE OF MICHIGAN  
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Inter-County Drainage Board for the Drainage District shown on the attached set of Minutes, on March 26, 2019. The original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



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Candice S. Miller, Secretary  
Bear Creek Inter-County Drainage Board

DATED: 3/26/19



BEAR CREEK INVOICES 04/02/19 - 04/16/19

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
Bear Creek	Chapter 21 Warren - 78.65256% State of MI - 2.68187% County of Macomb - 4.00528% County of Oakland - 0.97372% Center Line - 0.29307% Madison Heights - 5.76188% Hazel Park - 7.63162%						
			Anderson, Eckstein & Westrick	\$ 3,611.00	Invoice #121186 - 03.14.19	Hydraulic Study of Bear Creek	\$ 62,009.25
			Anderson, Eckstein & Westrick	\$ 2,212.00	Invoice #121185 - 03.14.19	Condition Assessment - Warren Branch	Fee \$2,765.50 Labor \$9,720.25
			<b>Total</b>	\$ 5,823.00			

YTD Trial Balance

Fund: Bear Creek Combined

As of Fiscal Period: Oct 1, 2018-Mar 31, 2019

	O&M Balance 9/30/2018	O&M	Total 3/31/2019
Cash - Operating	1,274,888	(19,352)	1,255,536
Accounts Receivable <sup>(1)</sup>	75,534		75,534
Assets			0
Liabilities <sup>(1)</sup>	98,929		98,929
Revenues		11,890	11,890
Expenditures		31,242	31,242
Equity	1,251,493		1,232,141

**NOTES**

1) Net amount of \$23,394 due to AEW for final invoices relating to SAW 1407.  
Final request is going under MS4 review at state level