

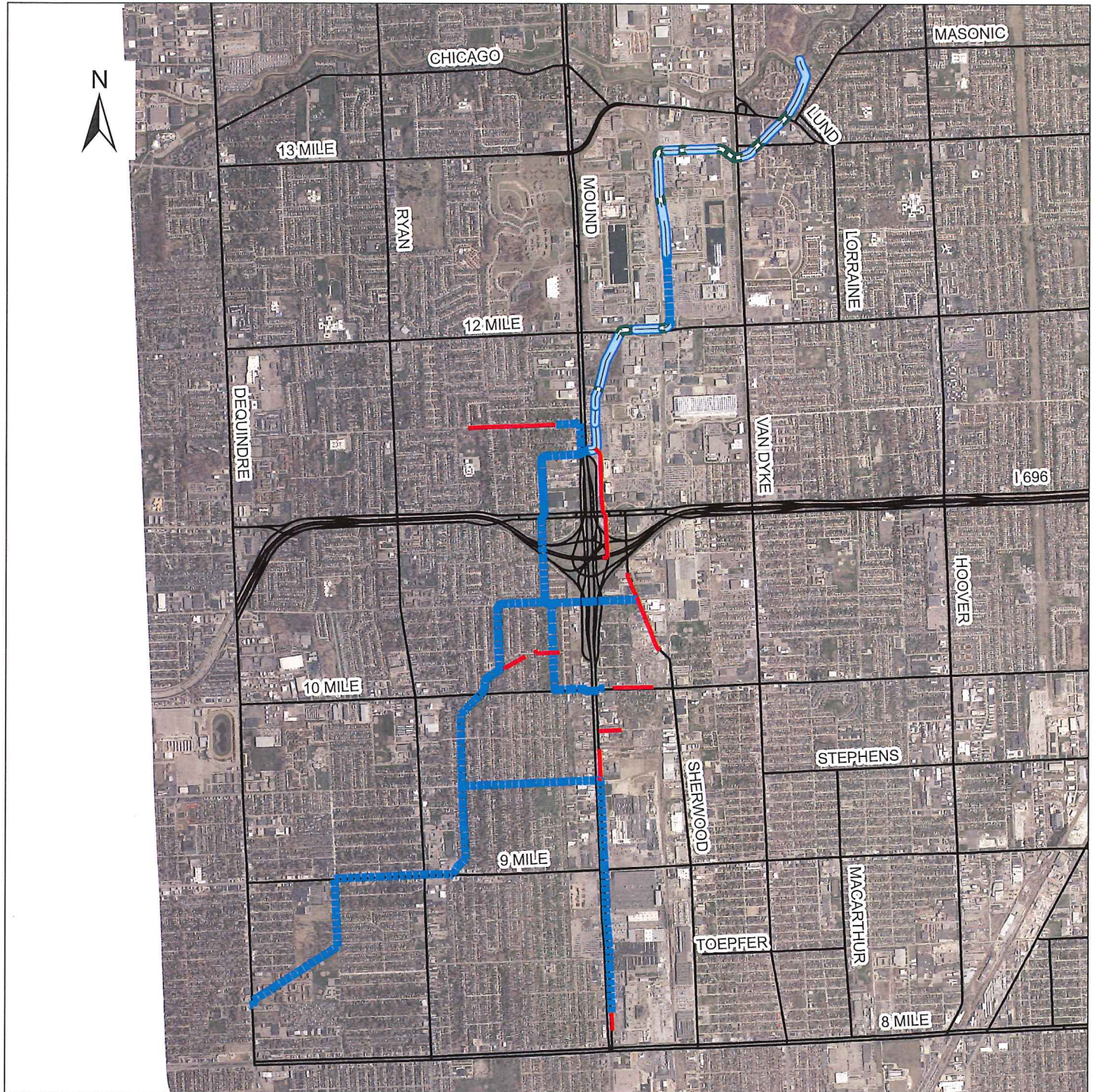
Gregg
Miller
Nash

BEAR CREEK
INTER-COUNTY DRAINAGE BOARD
NOVEMBER 28, 2018
10:00 A.M.
AGENDA

	<u>Page</u>
1. Call meeting to order and roll call	
2. Approval of Agenda	
3. Public participation	
4. Approval of minutes of meeting of September 26, 2018	3
5. Progress Report Update – Jeff Bednar	6
6. Consideration for approval of invoices:	8
See attached spreadsheet	
7. Financial Update – Bruce Manning	9
8. Old Business	
9. New Business	
10. Adjourn	

BEAR CREEK DRAIN (INTER COUNTY) & BRANCHES

CENTERLINE/WARREN/OAKLAND COUNTY



Drain Length (Feet/Miles):
87,023.47 / 16.48

Legend

- | Enclosed Gravity | Open Channel |
|--|--------------|
| — < 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 September 26, 2018.

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

Candice Miller, Secretary
Macomb County Public Works Commissioner

Jim Nash, Member
Oakland County Water Resources Commissioner

ALSO PRESENT: Brian Baker, Chief Deputy, Karen Czernel, Deputy, Bruce Manning, Financial Manager, Jeff Bednar, P.E., CFM, Environmental Engineer, Tom Stockel, Construction Engineer, Dan Heaton, Public Relations Manager, Barbara Delecke, Administrative Services, Office of Macomb County Public Works Commissioner; Anne Vaara, Chief Deputy, Steve Korth, P.E., Manager, Gary Nigro, P.E., Chief Engineer, George Nichols, P.E., Engineer III, Office of Oakland County Water Resources Commissioner; James VanHavermaat, P.E., City of Warren

The Chairman called the meeting to order at 10:53 a.m.

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

Adopted: YEAS: 3
NAYS: 0

The minutes of the meeting of August 22, 2018 were presented. A motion was made by Mr. Nash, supported by Ms. Miller to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

A meeting was held with Anderson, Eckstein & Westrick, Inc. (AEW) about the Warren Branches in relation to the entire Bear Creek drainage system. Ms. Miller spoke about daylighting portions of the drain to increase flow, in particular the portions of the drain that run through General Motors (GM) and TACOM.

The original condition assessment estimate of cost for repairs to the drain would use most of the funds available. There is nothing in the Bear Creek or branches that is structurally inadequate. However, debris should be removed from portions of the drain. AEW worked as a subcontractor on a detailed hydrologic study for GM. Using this study, hydraulic improvements can be made to the drain to improve flow during large flooding events and improve water quality. A meeting will be held with Planning & Economic Development, Department of Roads, Public Works and AEW to develop a scope of work to then take to GM and TACOM for discussion. Mr. Bednar asked for Board approval to hire AEW on an hourly basis to continue this work. In October, there will be a grant opportunity through the National Fish & Wildlife Foundation (NFWF) for communities in southeast Michigan. In order to have as much information as possible for the grant application, it is advantageous to have AEW continue its work on the Bear Creek.

A motion was made by Mr. Nash, supported by Ms. Miller to authorize adding a hydraulic scoping task to the existing services agreement with AEW in an amount not-to-exceed \$10,000.

Adopted: YEAS: 3
NAYS: 0

Doetsch cleaned out a 3 foot pipe that was 90 percent blocked with hardened concrete and the sediment upstream. The blockage was found during the SAW Grant inspections of the drain. Best Management Practice (BMP) flyers were created and distributed to Macomb County communities on concrete wash and proper disposal.

A motion was made by Mr. Nash, supported by Ms. Miller to receive and file the concrete wash update given by Mr. Stockel.

Adopted: YEAS: 3
NAYS: 0

The Chairman presented the invoices totaling \$11,075.75 as provided to the Board for review and approval.

A motion was made by Mr. Nash, supported by Ms. Miller 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.

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

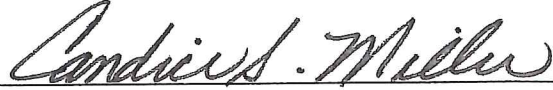
The meeting was adjourned at approximately 11:28 a.m.



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 September 26, 2018, 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.



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

DATED: 9/28/18

9474.bd

PROGRESS UPDATE

PROJECT: Bear Creek

DATE: November 19, 2018

UPDATE BY: Sydney Kanan

1.) BEAR CREEK INFRASTRUCTURE REHABILITATION

- a. AEW provided preliminary estimate for rehabilitation and replacement repairs. (\$785,330.00)
- b. AEW, MCPWO and OCWRC conducted a meeting to discuss prioritization of rehabilitation locations.
- c. Based on this meeting a revised estimate was provided (\$601,260).
- d. AEW to postpone infrastructure rehabilitation until the condition assessment, review and recommendation are complete for the Bear Creek Branches.

2.) BEAR CREEK EXTENSION

- a. Oakland County WRC to field verify physical existence of the Bear Creek Extension and report findings at the January meeting.
 - Depending on the results of the field investigation, potential coordination with Fahey, Schultz, Burzych, Rhodes may be needed to execute petition.

3.) ROUTE AND COURSE CERTIFICATE

- a. On hold. This is problematic due to the inability to tie the Warren Branches and East Route to the main line route and course metes and bounds description.

4.) CONDITION ASSESSMENT

- a. Structure GPS – **COMPLETE**
- b. Structure Inspection – **COMPLETE**
- c. CCTV Inspection – **COMPLETE**
- d. Recommendation/Cost Estimate – 90% Complete
 - a. AEW to compile final report and send draft to MCPWO and OCWRC.

5.) EASEMENT INVENTORY

- a. On hold.

6.) GREEN INFRASTRUCTURE

- a. On hold.

Requested Information/Actions from ICDB, MCPWO or OCWRC:

- a. AEW requesting approval of Proposals 1 and 3 by the MCPWO.

PROGRESS UPDATE

PROJECT: Bear Creek

DATE: October 10, 2018

UPDATE BY: Sydney Kanan

1.) BEAR CREEK INFRASTRUCTURE REHABILITATION

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BEAR CREEK INTER-COUNTY DRAIN - 11/28/18

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Grant Balance</u>
Bear Creek Drain	Chapter 21	Keskeny	Aloia & Associates, P.C.	\$ 1,111.50	Invoice #17662 - 9/1/18 Legal Services - ending 8/31/18	Land Splits	
		Stockel	Doetsch Environmental Services	\$ 23,250.00	Invoice #70390 - 9/30/18 - Final	Cleaned Concrete from Drain	
Total				\$ 24,361.50			

YTD Trial Balance
Fund: Bear Creek Combined
As of Fiscal Period: Oct 1, 2018-Oct 31, 2018

	O&M Balance 9/30/2018	O&M	Total 10/31/2018
Cash - Operating	1,337,302	1,122	1,338,424
Accounts Receivable ⁽¹⁾	75,534		75,534
Assets			0
Liabilities ⁽¹⁾	98,929		98,929
Revenues		1,222	1,222
Expenditures		100	100
Equity	1,313,907		1,315,029

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