

Miller  
Santo  
Tocco

ELEVEN AND ONE-HALF MILE RELIEF DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
MARCH 12, 2018  
10:15 A.M.  
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for March 12, 2018	
3. Approval of Minutes for February 12, 2018	3
4. Public participation	
5. Project Update – Jeff Bednar	5
6. Consideration for approval of invoices (see attached)	7
7. Financial Report – Bruce Manning	8
8. Adjourn	

# 11 & 1/2 MILE RELIEF DRAIN

## ROSEVILLE/ST CLAIR SHORES



### Legend

- Enclosed Gravity**
  - < 60" Dia
  - >= 60" Dia
  - Multiple Pipes
- Open Channel**
  - Ditch
  - Pond
- Culvert



Drain Length (Feet/Miles):  
64,387.97 / 12.19



An adjourned meeting of the Intra-County Drainage Board for the **ELEVEN AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on February 12, 2018, at 10:32 A.M.

PRESENT: Candice Miller, Chair  
Kathy Tocco, Member  
Bryan Santo, Member

ALSO PRESENT: Robert Leonetti, Robert Mijac, Joseph Romano, Marvin Sauger, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Vincent Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, Environmental Engineer, Dan Heaton, Public Relations Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Madison Tanghe, Senior Secretary, Macomb County Public Works

The meeting was called to order by the Chair, Candice Miller. The agenda was approved as presented.

Minutes of the meeting of December 12, 2017 were presented. A motion was made by Mr. Santo supported by Ms. Tocco to approve the minutes as presented.

Adopted: YEAS: 3  
NAYS: 0

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

Mr. Bednar updated the board on the Eleven and One-Half Mile Relief Drain SAW Grant Project. Field data has been collected, items that will be reviewed in-house, including protocols for consequence of failure of the system, and a business risk evaluation of what assets need work and the priority for completion. Additional information will be coming within the next few months.

A motion was made by Ms. Tocco, supported by Mr. Santo to receive and file the project update as presented.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$17,262.25 to the board for review and approval.

Motion was made by Mr. Santo, supported by Ms. Tocco to approve the invoices as presented.

Adopted: YEAS: 3  
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Ms. Tocco.

Adopted: YEAS: 3  
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Ms. Tocco, that the meeting of the Eleven and One-Half Mile Relief Drain Board be adjourned.

Adopted: YEAS: 3  
NAYS: 0

The meeting was adjourned at 10:34 a.m.

  
Candice S. Miller, Chair  
Macomb County Public Works Commissioner

STATE OF MICHIGAN  
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on February 12, 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, Chair  
Macomb County Public Works Commissioner

DATED: 2/13/18

# MONTHLY PROGRESS REPORT

**TO:** Ms. Candice Miller – Macomb County Public Works Commissioner  
Mr. Jeff Bednar, PE – Macomb County Public Works Office (MCPWO)

**FROM:** Ms. Maria Sedki, PE – Fishbeck, Thompson, Carr & Huber, Inc. (FTCH)

**DATE:** February 28, 2018

**PROJECT NO.:** 130666/130737/171223

**RE:** 11 1/2 Mile Relief Drain Stormwater, Asset Management, and Wastewater (SAW) Grant  
Stephens Relief Drain SAW Grant  
Hetchler Relief Drain Inspection

Report Period – February 1, 2018 to February 28, 2018

The following is a summary of work completed to date, and the anticipated work for the next month:

## Work accomplished during the report period:

### 1. Data Analysis

- a. FTCH located a suspicious connection to the 11 ½ Mile Drain and forwarded information to MCPWO Staff for further investigation
- b. FTCH has populated the Business Risk Exposure (BRE) Spreadsheet with all the assets including manholes, catch basins, pipes, outlets, etc. for the 11 ½ Mile Relief Drain and Stephens Drain
- c. FTCH has completed the Consequence of Failure (COF) scoring for the 11 ½ Mile Relief Drain and Stephens Drain
- d. FTCH has completed the Probability of Failure (POF) scoring for the 11 ½ Mile and Stephens Relief Drains.
- e. FTCH has completed populating the BRE Spreadsheet with the Remaining Useful Life for each asset.
- f. FTCH has begun assigned rehabilitation options and associated costs where necessary.
- g. FTCH has begun developing a maintenance program for the 11 ½ Mile and Stephens Relief Drains.

## Anticipated work items for the upcoming report period:

### 1. Data Analysis

- h. FTCH to assign replacement costs to all assets in the 11 ½ Mile and Stephens Relief Drains.
- i. FTCH to finalize Draft Rehabilitation/repair options and associated costs to all assets in the 11 ½ Mile and Stephens Relief Drains.
- j. FTCH to finalize Draft maintenance program to all assets in the 11 ½ Mile and Stephens Relief Drains.
- a. FTCH to finalize BRE Spreadsheet and Draft 20 year Capital Improvement Plan (CIP) for the 11 ½ Mile and Stephens Relief Drains
- b. FTCH to schedule a meeting with MCPWO staff to review results to date and discuss finalizing BRE and CIP spreadsheets for the 11 ½ Mile and Stephens Relief Drains.
- c. FTCH to begin work on Draft SAW Reports for the 11 ½ Mile and Stephens Relief Drains.

## Needed Information/Actions from OMCPWC:

1. Results of the investigation of the suspicious connection found to the 11 ½ Mile Drain

Bi-Weekly Progress Report – 11 1/2 Mile Relief Drain and Stephens Relief Drain SAW Grant  
Hetchler Relief Drain Inspection  
Page 2  
February 28, 2018



na  
By email  
cc: Mr. Brian Baker – MCPWO

11 1/2 MILE RELIEF DRAIN - 3/12/18

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
11 1/2 Mile Relief	Chapter 20 State of MI - 15.04% Macomb Co - 5.79% Roseville - 51.13% St. Clair Shores - 28.04%						
		Bednar	Anderson, Eekstein & Westrick, Inc.	\$ 1,961.25	Invoice #0112224 - 11/29/16 Engineering Services - 10/17/16 - 11/13/16	Junction Branch - Drain Investigation	
	SAW 1133-01 (Completion 10/1/2018)	Bednar	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 11,941.28	Invoice #372617 - 2/5/18 Engineering Services - ending 1/26/18	Project Management, GIS Coordination/GPS, Manholes & Inspections	\$ 170,282.12 Includes 10% match requirement

Total \$ 13,902.53

YTD Trial Balance

Fund: 11.5 Mile

As of Fiscal Period: Oct 1, 2017-Feb 28, 2018

	O&M Balance 9/30/2017	O&M	Total 2/28/2018
Cash - Operating	378,197	(101)	378,096
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		216	216
Expenditures		317	317
			0
Equity	378,197		378,096

<u>NOTES</u>	Grant	Match	Total
SAW 1133-01	773,941	85,994	859,935
YTD	(576,181)	(64,020)	(640,201)
Remaining	197,760	21,974	219,734