

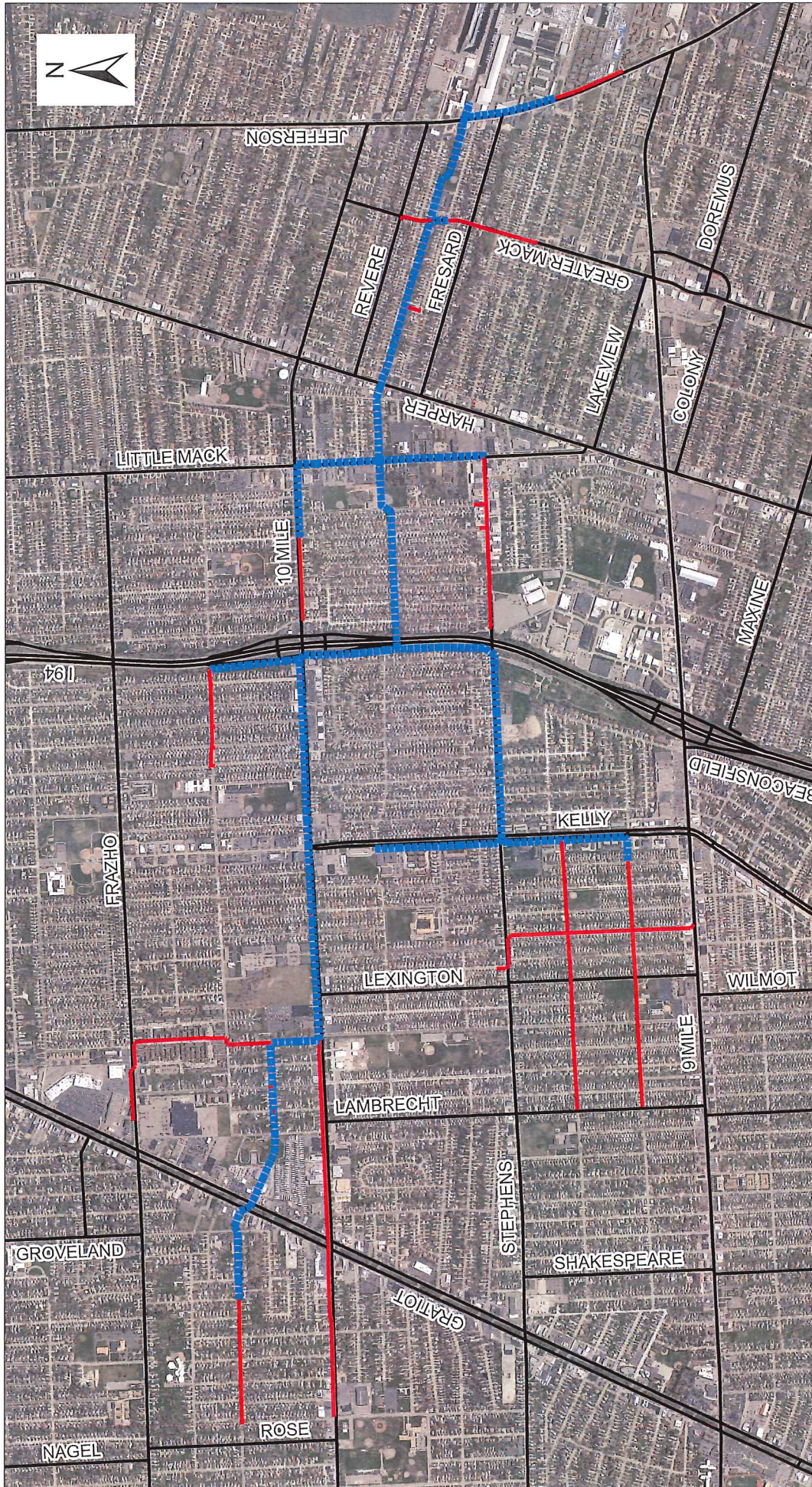
Miller  
Santo  
Klinefelt

STEPHENS RELIEF DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
MARCH 12, 2018  
10:00 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	9
8. Adjourn	



# STEPHENS RELIEF DRAIN EASTPOINTE/ROSEVILLE/ST CLAIR SHORES



## Legend

- Enclosed Gravity — < 60" Dia
- Enclosed Gravity - - - >= 60" Dia
- Open Channel — Ditch
- Open Channel - - - Pond
- Culvert



Drain Length (Feet/Miles):  
63,245.55 / 11.98





An adjourned meeting of the Intra-County Drainage Board for the **STEPHENS RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on February 12, 2018, at 10:19 A.M.

PRESENT: Candice Miller, Chair  
Bryan Santo, Member  
Veronica Klinefelt, Member

ALSO PRESENT: Robert Leonetti, Robert Mijac, Joseph Romano, Marvin Sauger, Kathy Tocco, 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; Mike Klinefelt, Councilperson, City of Eastpointe

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. Klinefelt to approve the minutes as presented.

Adopted: YEAS: 3  
NAYS: 0

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

Mr. Bednar updated the board on the Stephens 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.

Ms. Miller mentioned the slideshow presented to the staff that may be valuable to share with the board possibly at the April meeting.

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

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$16,485.65 to the board for review and approval.

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

Adopted: YEAS: 3  
NAYS: 0

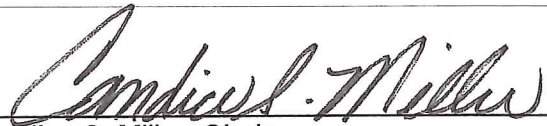
A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo, supported by Ms. Klinefelt.

Adopted: YEAS: 3  
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Ms. Klinefelt, that the meeting of the Stephens Relief Drain Board be adjourned.

Adopted: YEAS: 3  
NAYS: 0

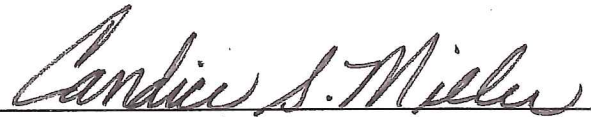
The meeting was adjourned at 10:28 a.m.



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

nac  
By email  
cc: Mr. Brian Baker – MCPWO

STEPHENS RELIEF DRAIN - 3/12/18

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
Stephens Relief	Chapter 20 Macomb Co. - 6.72% Eastpointe - 30.68% Roseville - 26.55% St. Clair Shores - 22.83%	Bednar	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 7,716.50	Invoice #372618 - 2/5/18 Engineering Services - ending 1/26/18	Project Management, GIS Coordination/GPS Manholes, Inspection	\$ 131,084.45 Plus 10% match requirement

Total \$ 7,716.50





Fishbeck, Thompson, Carr & Huber, Inc.  
engineers | scientists | architects | constructors  
Federal I.D. No. 38-1841857 | Incorporated

**Payment Options**

Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829  
Remit checks to: 1515 Arboretum Drive, SE | Grand Rapids, Michigan 49546

Attention: Jeffrey H. Bednar PE CFM  
Macomb County Public Works Commissioner  
21777 Dunham Road  
Clinton Township, MI 48036  
United States

Invoice: 372618  
Invoice Date: 2/5/2018  
Project: 130737  
Project Name: Macomb Co PW/Stephen Saw Grant  
Bill Term: 1

**For Professional Services Rendered Through 1/26/2018**

GI - Macomb Co Pw/Stephen Saw Gps		4,783.00
Rate Labor	4,783.00	
IN - Macomb Co Pw/Stephen Saw Insp		2,498.50
Rate Labor	2,185.00	
Unit Rate Expense	313.50	
PM - Macomb Co Pw/Stephen Saw Mngmt		435.00
Rate Labor	435.00	
		7,716.50
	<b>Current Billings</b>	7,716.50
	<b>Amount Due This Bill</b>	7,716.50

#0123  
Chg: Stephens Relief

Date	2.2.18
Chief Deputy	BB
Engineer(s)	W
Manager(s)	
Coordinator(s)	BB
Finance Officer	BFM

SAW 1182-01

PA 038505 80300

Staff 2.23.18  
Board 3.12.18



**YTD Trial Balance**

**Fund: Stephens Relief**

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

	<b>O&amp;M Balance 9/30/2017</b>	<b>O&amp;M</b>	<b>Total 2/28/2018</b>
<b>Cash - Operating</b>	46,137	45	46,182
<b>Accounts Receivable</b>			0
<b>Assets</b>			0
<b>Liabilities</b>			0
<b>Revenues</b>		45	45
<b>Expenditures</b>			0
<b>Equity</b>	46,137		46,182

**NOTES**

	<b>Grant</b>	<b>Match</b>	<b>Total</b>
SAW 1182-01	637,366	70,819	708,185
YTD	(492,563)	(54,729)	(547,292)
Remaining	144,803	16,090	160,893