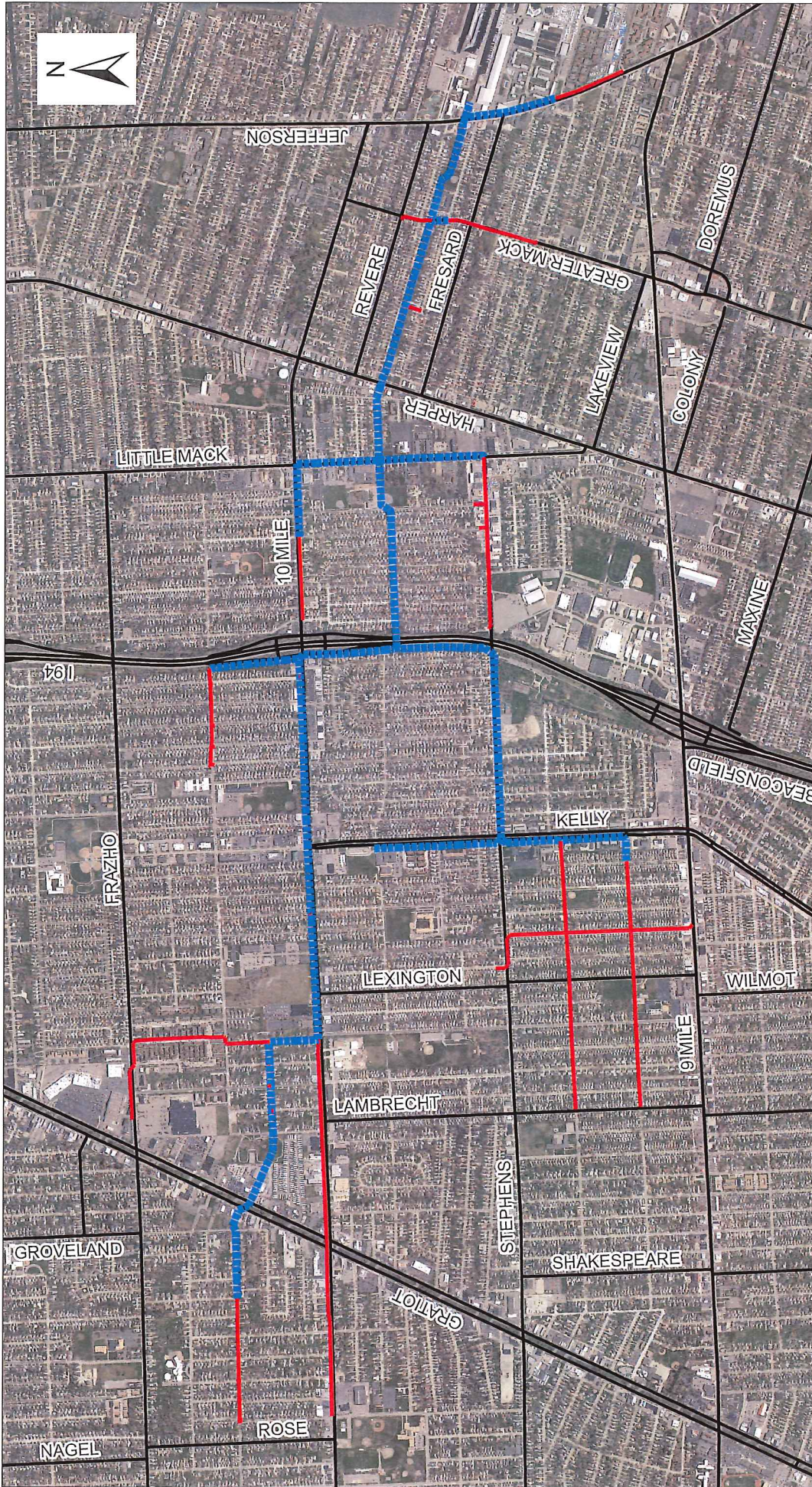


Miller
Santo
Klinefelt

STEPHENS RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
FEBRUARY 12, 2018
10:00 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for February 12, 2018	
3. Approval of Minutes for December 12, 2017	3
4. Public participation	
5. Project Update – Jeff Bednar	5
6. Consideration for approval of invoices (see attached)	8
7. Financial Report – Bruce Manning	11
8. Adjourn	

STEPHENS RELIEF DRAIN EASTPOINTE/ROSEVILLE/ST CLAIR SHORES



Legend

- | | |
|--|---------------------|
| Enclosed Gravity | Open Channel |
| — < 60" Dia | Ditch |
| >= 60" Dia | 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 December 12, 2017, at 10:15 A.M.

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

ALSO PRESENT: James Carabelli, Robert Leonetti, Robert Mijac, Joseph Romano, Kathy Tocco, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Vincent Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Dan Heaton, Public Relations Manager, Jeff Bednar, P.E., Environmental Engineer II, Tom Stockel, Construction Engineer, Bruce Manning, Financial Manager, Tamara Keskeny, Property Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Erik Skurda, City of Sterling Heights; Karyn Stickel, Hubbell, Roth & Clark

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

Minutes of the meeting of November 13, 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 public participation, then closed, there being no comments from the public.

Field work is complete and information is being entered into GIS by Fishbeck, Thompson, Carr & Huber, Inc. (FTC&H). A business risk evaluation will be done which will provide feedback as to the types of repairs needed in the drain. Ms. Miller would like to give a presentation to the Macomb County Board of Commissioners on work that has been done to date throughout the County. Mr. Carabelli asked if there was any punishment for environmental polluters. The problem with prosecuting violators is that some of the illicit connections were done years ago and not with malicious intent. The phosphorus levels in the lake are high. A company has offered to perform a pilot program where material is put in the drain to help filter out the phosphorus.

The Chair presented the invoice totaling \$247,740.56 to the board for review and approval.

A motion was made by Mr. Santo, supported by Ms. Klinefelt 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 Ms. Klinefelt and supported by Mr. Santo.

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by Ms. Klinefelt, supported by Mr. Santo, 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 taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on December 12, 2017, 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: 12/14/17

9050.bd



MONTHLY PROGRESS REPORT

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

FROM: Mr. Brian L. McKissen, PE – Fishbeck, Thompson, Carr & Huber, Inc. (FTCH)

DATE: December 28, 2017 **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 – December 2, 2017 to December 28, 2017

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. Project Management
 - a. FTCH, Doetsch Environmental, Inc. (Doetsch), and MCPWO staff held a progress meeting to discuss the status and significant findings of the 11 1/2 Mile Relief Drain and Stephens Relief Drain SAW Grants and Hetchler Relief Drain Inspection.
2. Field Inspections
 - a. Doetsch collected a sediment sample for analysis in the Stephens Relief Drain.
 - b. FTCH completed the final round of manhole inspections on the 11 1/2 Mile and Stephens Relief Drains and the inspection of all the manholes in the Hetchler Relief Drain.

Task	11 1/2 Mile Relief Drain	Stephens Relief Drain	Hetchler Relief Drain
Surveyed Manholes	277 of 285	225 of 230	47 of 48
Surveyed Catch Basins	333 of 365	181 of 211	19 of 34
Inspected Manholes	260 of 285	205 of 230	41 of 48

3. Data Analysis
 - a. FTCH Geographic Information System (GIS) staff has been working on database naming convention cleanup and has continued linking television inspection videos and logs to the database.
 - b. FTCH continued review of the sewer televising data for all three drains.

Anticipated work items for the upcoming report period:

1. Data Analysis
 - a. FTCH to review results of the final round of manhole inspections.
 - b. FTCH to finalize analysis of the sewer inspections completed by Doetsch.
 - c. FTCH to complete the outfall screening form spreadsheet through the review of the television inspection reports and videos.
 - d. FTCH to determine the Business Risk Exposure (BRE) for all three drains.
 - e. FTCH to begin work on final reports for all three drains.

Bi-Weekly Progress Report – 1.1 1/2 Mile Relief Drain and Stephens Relief Drain SAW Grant
Hetchler Relief Drain Inspection
Page 2
December 28, 2017



Needed Information/Actions from OMCPWC:

1. Verify if FTCH and Doetsch staff are to provide a presentation at the next Drain Board Meeting.

nac

By email

cc: Mr. Brian Baker – MCPWO
Ms. Maria Sedki, PE – FTCH

Formatted: Do not check spelling or grammar, All caps

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MONTHLY PROGRESS REPORT

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

FROM: Mr. Brian L. McKissen, PE – Fishbeck, Thompson, Carr & Huber, Inc. (FTCH)

DATE: February 1, 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 – December 29, 2018 to January 31, 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 Geographic Information System (GIS) staff has completed the database naming convention cleanup and has continued linking television inspection videos and logs to the database.
 - b. FTCH has completed review of the sewer televising data for all three drains and adjusted the Probability of Failure (POF) scoring for the 11 ½ Mile and Stephens Relief Drains.
 - c. FTCH has completed review of the manhole inspection data for the 11 ½ Relief Drain.
 - d. FTCH has drafted the Consequence of Failure (COF) for the 11 ½ Mile Relief Drain.
 - e. FTCH has completed the outfall screening form spreadsheet through the review of the television inspection reports and videos for all three drains.

Anticipated work items for the upcoming report period:

1. Data Analysis
 - a. FTCH to review results of the final round of manhole inspections for the Stephens Relief and Hetchler Drains.
 - b. FTCH to determine the COF for Stephens and Hetchler.
 - c. FTCH to begin work on the Business Risk Exposure (BRE) for all three drains.
 - d. FTCH to begin developing rehabilitation recommendations and associated costs for all three drains

Needed Information/Actions from OMCPWC:

1. Verify if FTCH and Doetsch staff are to provide a presentation at a Drain Board Meeting.

nac

By email

cc: Mr. Brian Baker – MCPWO
Ms. Maria Sedki, PE – FTCH

STEPHENS RELIEF DRAIN - 2/12/18

<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>Project Balance</u>
Stephens Relief	Chapter 20 Macomb Co. - 6.72% Eastpointe - 30.68% Roseville - 26.55% St. Clair Shores - 22.83%						
	SAW Grant 1182-01 (Closing date 10/1/18)	Bednar	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 4,696.40	Invoice #371449 - 12/11/17 Engineering Services - ending 12/11/17	Project Management, GIS Coordination/GPS Manholes, Inspection	\$ 150,590.20 Plus 10% match requirement
	SAW Grant 1182-01 (Closing date 10/1/18)	Bednar	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 11,789.25	Invoice #372027 - 1/8/18 Engineering Services - ending 12/29/17	CCTV Inspection Review	\$ 138,800.95 Includes 10% match requirement

Total \$ 16,485.65



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

RECEIVED
DEC 15 2017
BY: MH

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

Invoice : 371449
Invoice Date : 12/11/2017
Project : 130737
Project Name : Macomb Co PW/Stephen Saw Grant
Bill Term : 1

For Professional Services Rendered Through 12/1/2017

GI - Macomb Co Pw/Stephen Saw Gps		402.00
Rate Labor	402.00	
IN - Macomb Co Pw/Stephen Saw Insp		3,905.40
Rate Labor	3,723.00	
Unit Rate Expense	182.40	
PM - Macomb Co Pw/Stephen Saw Mngmt		389.00
Rate Labor	389.00	

Current Billings 4,696.40
Amount Due This Bill 4,696.40

#0123

chg: Stephen Rly

Date	12.15.17
Chief Deputy	AB
Engineer (s)	JR
Manager (s)	
Coordinator (s)	JD
Finance Officer	MM

(SAW 1182-01)

PA038066 80300

Staff 1-9-18
Dora 2.12.18



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

RECEIVED
JAN 09 2018
BY: mt

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

Invoice : 372027
Invoice Date : 1/8/2018
Project : 130737
Project Name : Macomb Co PW/Stephen Saw Grant
Bill Term : 1

For Professional Services Rendered Through 12/29/2017

GI - Macomb Co Pw/Stephen Saw Gps		1,483.10
Rate Labor	1,482.50	
Unit Rate Expense	0.60	
IN - Macomb Co Pw/Stephen Saw Insp		9,349.15
Rate Labor	9,295.00	
Unit Rate Expense	54.15	
PM - Macomb Co Pw/Stephen Saw Mngmt		957.00
Rate Labor	957.00	

Current Billings 11,789.25
Amount Due This Bill 11,789.25

#0123

Chg: Stephen Relief

SAW 1182-01

Date	1.9.18
Chief Engineer	BB
Engineer(s)	JR
Manager(s)	
Coordinator(s)	BD
Financial Officer	MM

977038286 80300

Staff 1-19-18

Board 12-18

YTD Trial Balance

Fund: Stephens Relief

As of Fiscal Period: Oct 1, 2017-Jan 31, 2018

	O&M Balance 9/30/2017	O&M	Total 1/31/2018
Cash - Operating	46,137	45	46,182
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		45	45
Expenditures			0
Equity	46,137		46,182

NOTES

	Grant	Match	Total
SAW 1182-01	637,366	70,819	708,185
YTD	(500,456)	(55,606)	(556,062)
Remaining	136,910	15,213	152,123