

Miller
Santo
Tocco

ELEVEN AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
JULY 10, 2017
10:15 A.M.
AGENDA

Page No.

1. Call of meeting to order and roll call
2. Approval of Agenda for July 10, 2017
3. Approval of Minutes for May 8, 2017 3
4. Public participation
5. Progress Report 5
6. Consideration for approval of invoice (see attached) 11
7. Financial Report – Bruce Manning 12
8. Adjourn

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 May 8, 2017, at 10:34 A.M.

PRESENT: Candice S. Miller, Chair
Bryan Santo, Member

ABSENT: Kathy Tocco, Member

ALSO PRESENT: Robert Leonetti, Robert Mijac, Joseph Romano, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Emily Engleman, Administrative Assistant, Keith Graboske, P.E., Chief Engineer, Dan Heaton, Public Relations Manager, Vincent Astorino, Engineer II, Evans Bantios, Engineer II, Lynne Seymour, Environmental Engineer II, Thomas Stockel, Construction Engineer, Bruce Manning, Acting Financial Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Joe Nichols, Mayor, Fraser; Sermed Saif, Tri-County Engineering, representing Lenox Township; Benjamin Aloia, Aloia & Associates; Lou Urban, Anderson, Eckstein & Westrick, Inc.; Bryce Huffman, Michigan Radio; Jameson Cook, Macomb Daily; Christine Hall, Detroit Free Press; Amanda York, Representative Sander Levin's Office

The meeting was called to order by the Chair, Candice Miller. A motion was made by Mr. Santo, supported by Ms. Miller and unanimously carried to approve the agenda as presented.

Minutes of the meeting of April 10, 2017 were presented and approved on a motion by Mr. Santo, supported by Ms. Miller and unanimously carried.

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

Ms. Seymour gave a SAW Grant update. There has not been a substantial amount of work done since the last meeting because Doetsch has been working on the 15 Mile Sinkhole. A bulk-head has to be engineered, built and put in place to continue televising the drain. Installation of the bulk-head is weather dependent. Work will continue on the 11 ½ Mile Relief Drain before the Stephens Relief because it is less complicated. Televising will continue the end of May or early June.

A motion to receive and file the progress report update given by Ms. Seymour was made by Mr. Santo, supported by Ms. Miller and unanimously approved.

The Chair presented the invoices totaling \$54,005.78 to the board for review and approval.

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

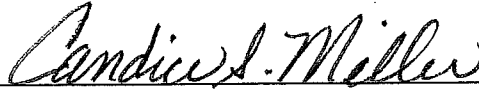
Ayes: Santo, Miller
Nays: None

Motion approved.

A trial balance sheet was presented to the Board by Mr. Manning. The SAW Grant is ongoing. The remaining balance on the SAW Grant is \$414,144.38.

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

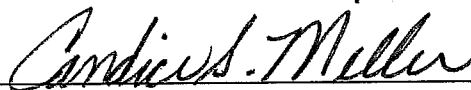
The meeting was adjourned at 10:37 a.m. on a motion by Mr. Santo, seconded by Ms. Miller, and unanimously approved.



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 May 8, 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: 5/12/17

8707.bd



MONTHLY PROGRESS REPORT

TO: Ms. Candice Miller – Macomb County Public Works Commissioner
Ms. Lynne Seymour, PE – Office of the Macomb County Public Works Commissioner (OMCPWC)

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

DATE: May 15, 2017 **PROJECT NO.:** G130666 and G130737

RE: 11 1/2 Mile Relief Drain and Stephens Relief Drain Stormwater, Asset Management, and Wastewater (SAW) Grant
Report Period – April 3, 2017 to May 14, 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. Geographic Information System (GIS) System Development
 - a. FTCH has identified ownership of lateral connections to the drains with record plans and is updating the GIS accordingly.
 - b. FTCH staff requested the remaining record drawings for the I-696 freeway construction to identify the limits of the relocated 11 1/2 Mile Relief Drain.
2. Field Inspections
 - a. Doetsch Environmental continues constructing the gates for the bulkheads for dewatering the drains.
 - b. FTCH prepared and distributed minutes from the meeting with the St. Clair Shores Housing Commission.
3. Data Analysis
 - a. FTCH developed a list of manholes that were not surveyed and/or inspected in the first round of site visits.

Anticipated work items for the upcoming report period:

1. GIS System Development
 - a. FTCH will continue to update the ownership of the lateral connections in the GIS.
2. Field Inspections
 - a. Doetsch Environmental will begin preparing the 11 1/2 Mile Relief Drain site for dewatering. Actual onsite dewatering is anticipated to begin after Memorial Day.
 - b. FTCH to begin collecting and inspecting manholes that were not surveyed and/or inspected in the first round of site visits.
3. Data Analysis
 - a. FTCH to begin determining the consequence of failure (COF) for the pipes and manholes for both drains.
 - b. FTCH will begin calculating the probability of failure (POF) scores for the sections of pipes inspected for both drains.
 - c. FTCH to continue updating the GIS database with the information found during sewer televising and manhole inspection.



Needed Information/Actions from MCPWC:

1. Record plans for the I-696 freeway construction showing relocated 11 1/2 Mile Relief Drain.

nac

By email

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



MONTHLY PROGRESS REPORT

TO: Ms. Candice Miller – Macomb County Public Works Commissioner
Ms. Lynne Seymour, PE – Office of the Macomb County Public Works Commissioner (OMCPWC)

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

DATE: June 7, 2017 **PROJECT NO.:** G130666 and G130737

RE: 11 1/2 Mile Relief Drain and Stephens Relief Drain Stormwater, Asset Management, and Wastewater (SAW) Grant
Report Period – May 15, 2017 to June 4, 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. Geographic Information System (GIS) System Development
 - a. FTCH staff reviewed the I-696 freeway construction plans to identify the limits of the relocated 11 1/2 Mile Relief Drain and is updating the GIS accordingly.
2. Field Inspections
 - a. Doetsch Environmental began clearing the trees and brush at the 11 1/2 Mile Relief Drain outfall. Doetsch Environmental has removed the culvert slabs at the outfall and taken measurements for the bulkhead for dewatering the drain. Doetsch Environmental has completed construction of one of the four bulkheads.

Anticipated work items for the upcoming report period:

1. GIS System Development
 - a. FTCH will continue to update the 11 1/2 Mile Relief Drain in GIS to reflect the impacts to the drain due to the construction of I-696.
2. Field Inspections
 - a. Doetsch Environmental will complete construction of the bulkheads, and weather permitting install the bulkhead at the 11 1/2 Mile Relief Drain site for dewatering, and begin inspection.
 - b. FTCH to coordinate the bulkheading of the drain with OMCPWC staff for site visits.
 - c. FTCH to begin surveying and inspecting manholes that were not surveyed and/or inspected in the first round of site visits.
3. Data Analysis
 - a. FTCH to begin determining the consequence of failure (COF) for the pipes and manholes for both drains.
 - b. FTCH will begin calculating the probability of failure (POF) scores for the sections of pipes inspected for both drains.
 - c. FTCH to continue updating the GIS database with the information found during sewer televising and manhole inspection.

Needed Information/Actions from MCPWC:

None.

Bi-Weekly Progress Report – 11 1/2 Mile Relief Drain and Stephens Relief Drain SAW Grant
Page 2
June 7, 2017



nac

By email

cc: Mr. Brian Baker – OMCPWC
Mr. Keith Graboske, PE – OMCPWC
Ms. Maria Sedki, PE – FTCH



MONTHLY PROGRESS REPORT

TO: Ms. Candice Miller – Macomb County Public Works Commissioner
Mr. Keith Graboske, PE – Office of the Macomb County Public Works Commissioner (OMCPWC)

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

DATE: July 6, 2017 **PROJECT NO.:** G130666 and G130737

RE: 11 1/2 Mile Relief Drain and Stephens Relief Drain Stormwater, Asset Management, and Wastewater (SAW) Grant
Report Period – June 5, 2017 to July 2, 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. Geographic Information System (GIS) System Development
 - a. FTCH staff coordinated with Macomb County Planning and ESRI to address the ESRI GIS software's inability to sync the 11 1/2 Mile Relief Drain's data.
2. Field Inspections
 - a. Doetsch Environmental has completed construction of three of the four bulkheads, and is currently working on the fourth.
3. Data Analysis
 - a. FTCH has begun calculating the probability of failure (POF) scores for the sections of pipes inspected for both drains.

Anticipated work items for the upcoming report period:

1. GIS System Development
 - a. FTCH will substitute data from the existing Macomb County drain database for the 11 1/2 Mile Relief Drain to address the syncing issues associated with the software.
2. Field Inspections
 - a. FTCH staff will prepare a list of remaining manholes and catch basins to be surveyed using the Global Positioning System (GPS), and a list of remaining manholes to be inspected. FTCH to begin surveying and inspecting the structures that were not surveyed and/or inspected in the first round of site visits.
 - b. Doetsch Environmental will complete construction of the bulkheads, and weather permitting install the bulkhead at the 11 1/2 Mile Relief Drain site for dewatering, and begin inspection.
 - c. FTCH to coordinate the bulkheading of the drain with OMCPWC staff for site visits.
3. Data Analysis
 - a. FTCH to begin determining the consequence of failure (COF) for the pipes and manholes for both drains.
 - b. FTCH will continue calculating the probability of failure (POF) scores for the sections of pipes inspected for both drains.
 - c. FTCH to continue updating the GIS database with the information found during sewer televising and manhole inspection.



Needed Information/Actions from MCPWC:

None.

nac

By email

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

-1.1 1/2 MILE RELIEF DRAIN - 5/8/17

<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>
11 1/2 Mile Relief	Chapter 20 State of MI - 15.04% Macomb Co. - 5.79% Roseville - 51.13% St. Clair Shores - 28.04% SAW Grant 1133-01	Graboske	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 8,811.50	Invoice #367355 - 5/31/17 Engineering Services - ending 5/19/17	Project Management, GIS Coordination/GPS, Manholes and Inspections	\$ 513,687.00
Total				\$ 8,811.50			

YTD Trial Balance

Fund: 11.5 Mile

As of Fiscal Period: Oct 1, 2016-June 30, 2017

	O&M Balance 9/30/2016	O&M	Total 6/30/2017
Cash - Operating	161,854	(161,542)	311
Accounts Receivable			0
Assets			0
Liabilities	162,824	(161,579)	1,245
Revenues		596	596
Expenditures		558	558
			0
Equity	(970)		(933)

NOTES

1) Remaining balance of Grant = 513,687