

LAKE BOULEVARD RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
NOVEMBER 18, 2019
10:30 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for November 18, 2019	
3. Approval of Minutes October 21, 2019	3
4. Public Participation	
5. Proposed Scope Revision on the Lake Boulevard Relief Drain SAW Project - Jeff Bednar	5
<p>Motion: To approve a Change Order for \$87,879 to the Fishbeck contract in order to inspect 21,390 lineal feet of pipe in the Roseville Branches and 10,240 lineal feet of pipe in the St. Clair Shores Branches of the Lake Boulevard Relief Drain</p>	
6. Consideration for approval of invoice (see attached)	8
7. Financial Report – Bruce Manning	9
8. Adjourn	

LAKE BOULEVARD RELIEF & BRANCHES (ROSEVILLE & ST. CLAIR SHORES)

ENCLOSED - ROSEVILLE / ST. CLAIR SHORES - CHAPTER 20



- Legend**
- Culvert
 - Major Roads
 - Enclosed Gravity < 60" Dia
 - Enclosed Gravity >= 60" Dia
 - Open Channel
 - Drain
 - Pond



Drain Length (Feet/Miles):
56,412.17 / 10.68



An adjourned meeting of the Intra-County Drainage Board for the **LAKE BOULEVARD RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on October 21, 2019, at 10:33 A.M.

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

ALSO PRESENT: Marvin Sauger, Jim Carabelli, Robert Mijac, Macomb County Board of Commissioners; Vince Astorino, Operations & Flow Manager, Brian Baker, Chief Deputy, Jeff Bednar, P.E., Environmental Resources Manager, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Kellie Kource, Drain Account Specialist, Dan Heaton, Communications Manager, Macomb County Public Works

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

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of July 8, 2019 were presented. A motion was made by Mr. Haugh, supported by Mr. Santo 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 that we are waiting for an Army Corp permit to install the bulkhead, de-water the lines, walk the pipes we can walk, and CCTV the pipes we cannot. We are looking to extend the value of this project beyond the 27,000 feet that we were going to inspect to include the St. Clair Shores and Roseville branches. We are also looking to consolidate all the branches into one drainage district and have information for those districts to consider to transfer money from their accounts to the parent drain account next month. When we have the bulkhead in is the only time we can inspect these lateral drains.

A motion was made by Mr. Haugh, supported by Mr. Santo to receive and file the project update by Mr. Bednar.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$4,481.50 to the board for review and approval.

A motion was made by Mr. Santo, supported by Mr. Haugh 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. Haugh and supported by Mr. Santo.

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Mr. Haugh, that the meeting of the Lake Boulevard Relief Drain Board be adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 10:38 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 October 21, 2019 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: 10/21/19



Candice S. Miller

Public Works Commissioner
Macomb County

Memo

To: Brian Baker – Chief Deputy

From: Jeff Bednar, PE, CFM - Environmental Resources Manager

Date: November 13, 2019

Re: Proposed Scope Revision on the Lake Blvd Relief Drain SAW Project

We are currently conducting an inspection of the Lake Blvd Relief Drain as part of a \$470,168 SAW funded grant project. The original scope of the grant contemplated inspection of the main branch of the Lake Blvd Relief Drain which amounts to 27,050 lf of pipe inspection, plus manhole inspection and gis survey.

Due to cost savings realized through the SAW grant inspections, we are able to re-negotiate contracted costs and add branches to the SAW inspection. Since the inspection requires bulkheading and dewatering the pipes at their outlet to Lake St. Clair, this is an ideal time to inspect the Lake Blvd Roseville Branches and Lake Blvd St. Clair Shores Branches while the pipes are dewatered.

However, the SAW funding does not cover 100% of the cost. In order to inspect the additional 21,390 lf of pipes in the Roseville Branches, we will need to allocate \$71,181 from the Lake Blvd Relief - Roseville Branches account to the main branch account. The cost to inspect the Roseville Branches is about 36% of the total project, or \$204,192, so the inspection and inventory is getting done at a fraction of the cost.

Likewise, in order to inspect the additional 10,240 lf of pipes in the St Clair Shores Branches, we will need to allocate approximately \$18,819 from drain accounts in St Clair Shores to the Lake Boulevard Relief account. The cost to inspect the St. Clair Shores Branches is about 17% of the total project, or \$97,752, so the inspection and inventory is also getting done at a fraction of the cost. These savings are due to the project efficiencies in the SAW grant project. We propose the funds be transferred as follows: \$17,242 from the SCS Catch Basin drain account and \$1,577 from the 11.5 Mile SCS drain account.

The needed funds are already in these drain accounts, so no additional cost is incurred by Roseville or St. Clair Shores. Let me know if you have any additional questions. If in agreement, a contract modification will be prepared and presented to the Lake Blvd Relief Drain Board.

OFFICE LOCATION: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

MAILING ADDRESS: P. O. Box 806, Mt. Clemens, Michigan 48046-0806

ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264

November 14, 2019
Project No. 130736

Mr. Jeff Bednar
Macomb County Public Works Office
21777 Dunham Road
Clinton Township, MI

RE: **Inter-County Drainage Board for Lake Boulevard Relief Drain**
Stormwater, Asset Management, and Wastewater (SAW) Grant Program
Change Order Request

Dear Mr. Bednar:

In 2013, Fishbeck and Macomb County Publics Works Office (MCPWO), on behalf of the Lake Boulevard Relief Drain Drainage District (District), applied for a grant by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) under the SAW Grant Program to develop a stormwater Asset Management Plan (AMP) for the Lake Boulevard Relief Drain (Drain).

The original scope of the project only included the main branch of the drain that included a total footage of 27,050 feet. The grant total was \$470,167 (\$423,150 Grant, \$47,017 Match). Attached to this letter is our original agreement from 2013.

The grant was awarded in March of 2018. After award, MCPWO decided to incorporate the 2 branches of the drain (Saint Clair Shores Branch and the Roseville Branch) into the project. Essentially doubling the size of the project.

Original Footage	27,050 ft
Saint Clair Shores Branch	10,240 ft
Roseville Branch	<u>21,390 ft</u>
Total	59,440 ft

Fishbeck and our sub, Doetsch Environmental Services (Doetsch), reviewed the revised scope, and due to the experience gained in performing several SAW Grants since 2013, were able to provide some savings to the project. However, the cost to complete the work requested will increase based on the table below. The increases will be due mainly to the additional field inspection that is required.

Fee	<u>Original (SAW Grant)</u>		<u>Revised Scope</u>	
Inventory/Criticality/Report/etc.		\$188,700		\$145,167
Bridge Slab Removal		\$15,000		\$15,000
Restoration		\$12,000		\$12,000
Plug and Dewater Drain:		\$112,455		\$112,455
CCTV Pipes < 60"	\$5.25/ft	\$41,963	\$4.60/ft	\$184,598
Walk Pipes > 60"	\$5.25/ft	\$100,049	\$4.60/ft	\$88,826
		\$470,167		\$558,046

We are therefore requesting a Change Order in the amount of \$87,879 to complete the work requested by the MCPWO.

If you have any questions or require additional information, please contact me at 248.324.1228 or mesedki@fishbeck.com.

Sincerely,



Maria E. Sedki, PE

Vice President/Senior Civil Engineer

LAKE BOULEVARD RELIEF DRAIN 11/05/19

<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>
Lake Boulevard Relief	Chapter 20 Macomb Co. 3.0863% St. Clair Shores - 96.9137% SAW 1155-01 (Closing Date 05.01.2021)	Bednar	Rahey, Schultz, Burzych, Rhodes	\$ 2,121.62	Invoice #49623 - 09.30.19	District Delineation	\$ 424,313.23
Total				\$ 2,121.62			

YTD Trial Balance
 Lake Boulevard
 As of Fiscal Period: Oct 1, 2019-Oct 31, 2019

	O&M Balance 9/30/2019	O&M	Total 10/31/2019
Cash - Operating	43,156	570	43,726
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		570	570
Expenditures			0
Encumbrance		42,432	42,432
Equity	43,156		1,294

NOTES

	Grant	Match	Total
SAW 1155-01	423,150	47,017	470,167
YTD	(41,269)	(4,585)	(45,854)
Remaining	381,881	42,432	424,313