

LORRAINE DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
SEPTEMBER 11, 2022  
10:45 A.M.  
AGENDA

**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE  
OPTION FOR PUBLIC**

**Call in Number: 1-307-314-3902  
Access Code: 199 831 865**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for September 11, 2023	
3. Approval of Minutes for November 14, 2022	3
4. Public Participation	
5. Drain Inspection Award – County Match Program – Stephen Downing	5
Motion: To approve the drain inspection proposal from AEW and Doetsch Environmental Services for the total not to exceed cost of \$ 58,514.	
6. Adjourn	

# LORRAINE STORM - ENCLOSED

## CENTERLINE / WARREN - CHAPTER 20





Office of  
Public Works

0 1,500 3,000 6,000  
Feet

Drain Length (Feet/Miles):  
22,710.79 / 4.301

### Legend

-  Open Channel
-  Enclosed Gravity

An adjourned meeting of the Intra-County Drainage Board for the **LORRAINE DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on November 14, 2022 at 11:05 A.M.

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

ALSO PRESENT: Daniel Acciavatti, Deputy of Government Relations; Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Denise Harwood, Fiscal Analyst; Bruce Manning, Financial Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Don Brown, Macomb County Board of Commissioners; Don VanSyckel, Macomb County Board of Commissioners

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

Adopted: YEAS: 3  
NAYS: 0

Minutes of the meeting of November 9, 2020 were presented. A motion was made by Mr. Santo, supported by Ms. Xiong 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. Downing stated that MCPWO was alerted to a failure in the Lorraine Drain. A connecting portion of the corrugated metal pipe had failed. We received proposals from 3 different vendors. Robert Clancy, L.J. Construction, and Cortis Brothers. We checked the fund balance of the Lorraine Drain and coordinated with the City of Warren for match funding toward the repair. Upon excavation, it was discovered that the drain was deeper than on the as-builts, and the condition proved more difficult for repair, adding additional cost to the repair. The drain had a balance of \$9,346, the City of Warren funded \$8,162.50, and MCPWO added \$7,896.50 from the Administration funds for the total of \$25,405.

Ms. Xiong asked when the work was done. Mr. Downing stated that it was done in August. We wanted it complete before school started as it was close to a ball field.

A motion was made by Ms. Xiong, supported by Mr. Santo to approve Robert Clancy Contracting, Inc. for the repairs and inspection for the total amount of \$25,405.00.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoice totaling \$25,405.00 to the board for review and approval.

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

Adopted: YEAS: 3  
NAYS: 0

Mr. Downing also said that it should be noted that on larger projects of over \$35,000, we usually go to the board for approval unless it is an emergency. However, we always want to come to the board even after the fact to provide an update.

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

Adopted: YEAS: 3  
NAYS: 0

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

Adopted: YEAS: 3  
NAYS: 0

The meeting was adjourned at 11:21 a.m.



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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 November 14, 2022 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.



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Candice S. Miller, Chair  
Macomb County Public Works Commissioner

DATED: 11/14/22



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: Lorraine Storm Drain Drainage District Board Members

CC: FILE

From: Stephen Downing, Construction & Maintenance Manager

Date: September 11, 2023

Subject: Inspection of the Drain Under I-696

The Lorraine Storm Drain is an enclosed stormwater drain constructed in the early 1960's that runs along Lorraine Avenue in the City of Warren. The Drain consists of a 132-inch diameter RCP section that crosses beneath the I-696 expressway, see attached map for reference. The MCPWO has determined that an inspection of this Drain is due, specifically as it relates to the location, a failure of this drain in this location would have severe impacts to I-696. The drain has not been inspected since it was constructed based on records available to MCPWO staff.

The increase of funding for the County's Drain Match Program in 2023 has allowed the MCPWO to expand the program to include enclosed stormwater drains. MCPWO evaluated areas critical in nature that should be inspected. This inspection is selected for the Macomb County Drain Match Program. Discussions with the City of Warren Engineering Department to allocate City funds toward this inspection are ongoing. The MCPWO decided to move forward with the inspection utilizing existing drain funds and County Drain Match funds. Depending on the results if the inspection, future funds allocated by the City will either be applied to adjust this inspection or toward repairs or sediment removal identified during the inspection.

A team consisting of AEW and Doetsch Environmental Services was selected to provide the services required to facilitate an inspection of this section of the drain. The inspection, oversight and final reporting is estimated to cost \$58,514, cost summary is attached for reference.

The recommendation is that the Lorraine Storm Drain Drainage District Board approve the Inspection for the total not-to-exceed cost of \$58,514 to AEW and Doetsch Environmental Services.

Attachments: Drain Map – I-696 Location  
Cost Summary

**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

