Brezvai
Miller
Nash

SHARKEY RELIEF
INTER-COUNTY DRAINAGE BOARD
NOVEMBER 18, 2026
10:00 A.M.
AGENDA

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

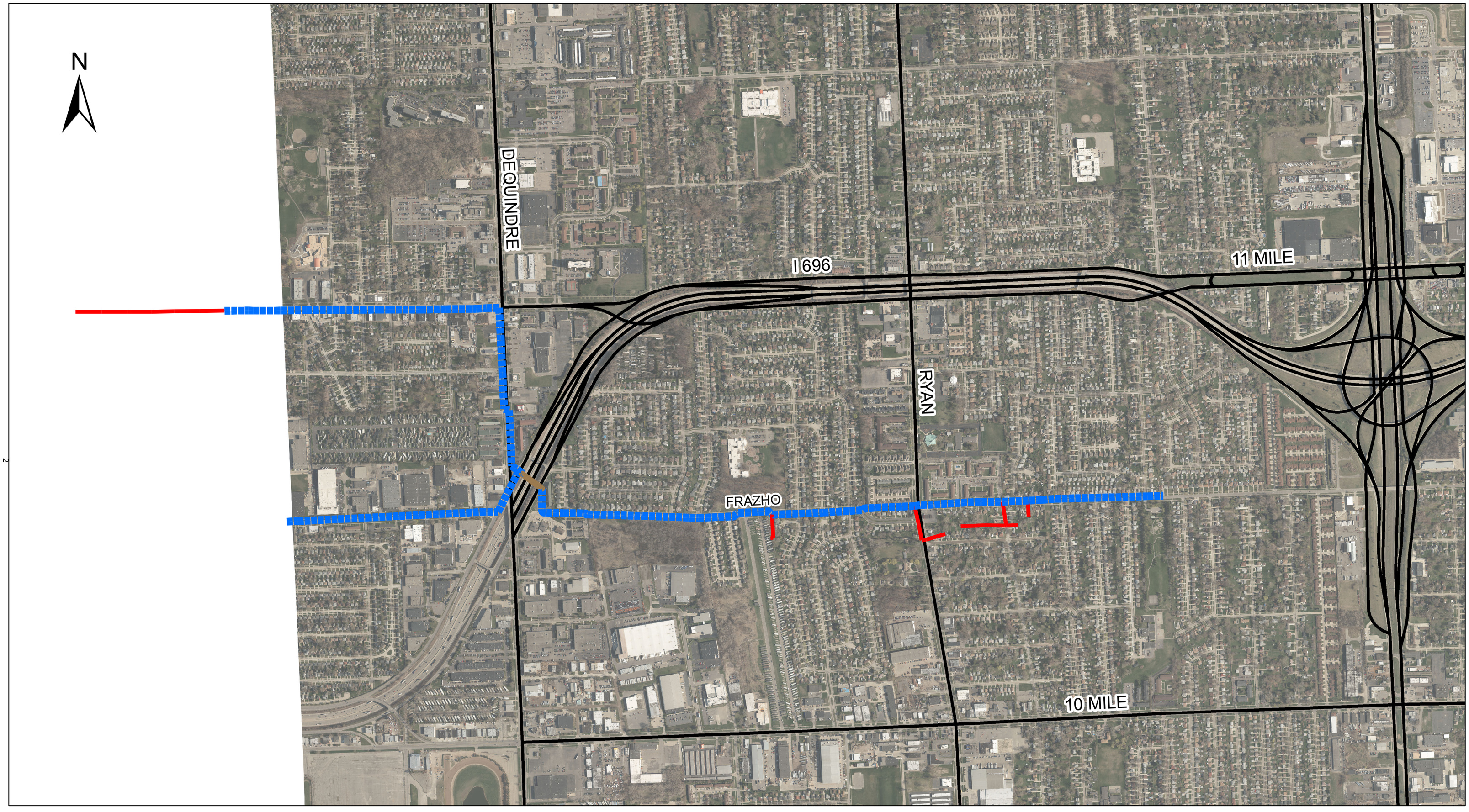
Teams Meeting ID: 257 168 130 130 3
Passcode: Xb6yN3gy

Call in Number: 1-917-933-5524
Passcode: 558 824 666#

		Page
1.	Call of meeting to order and roll call	
2.	Approval of Agenda	
3.	Approval of Minutes of meeting of July 15, 2020	3
4.	Public Participation	
5.	I-696 Siphon Inspection & Cleaning – Stephen Downing	5
	Motion: To approve the proposal from Doestch Environmental to clean the Sharkey siphon for an amount not to exceed $230,480 and to invoice MDOT $115,240, and to authorize payment to Doestch for inspection costs of $26,970.	
6.	Financial Update – Bruce Manning	15
7.	Old Business	
8.	New Business	
9.	Adjourn	

SHARKEY RELIEF

WARREN/OAKLAND COUNTY



MACOMB COUNTY 1818 MICHIGAN PUBLIC WORKS

0 750 1,500 3,000 Feet

Drain Length (Feet/Miles):
21,297.20 / 4.03

Legend

Enclosed Gravity

- < 60" Dia
- >= 60" Dia
- Inverted Siphon
- Culvert

Open Channel

- Ditch
- Pond

A meeting of the Inter-County Drainage Board for the **SHARKEY RELIEF DRAIN** was held via telephone conference per the State of Michigan Executive Order due to the COVID-19 pandemic, on July 15, 2020.

PRESENT: Michael Gregg, Chairman
Michigan Department of Agriculture & Rural Development

Candice Miller, Secretary
Macomb County Public Works Commissioner

Ann Vaara, Member
Oakland County Water Resources Chief Deputy

ALSO PRESENT: Steve Korth, P.E., Manager, Office of Oakland County Water Resources Commissioner; Brian Baker, Chief Deputy, Jeff Bednar P.E., Environmental Resources Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Kellie Kource, Drain Account Specialist, Stephen Downing, Construction & Maintenance Manager, Macomb County Public Works

The Chairman called the meeting to order at 10:20 a.m.

A motion was made by Ms. Vaara, supported by Ms. Miller to approve the agenda as presented.

Adopted: YEAS: 3
NAYS: 0

The minutes of the meeting of June 23, 2020 were presented. A motion was made by Ms. Miller, supported by Ms. Vaara to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Mr. Bednar updated the board that EGLE and the EPA have approved a remediation plan for the I-696 green ooze site. They plan to inject non-hazardous material that will chemically convert chromium 6 to tri-chromium and rust. They will also line the sanitary and storm sewer and rehab manholes in the area to ensure there is no infiltration of the product into them.

A motion was made by Ms. Vaara, supported by Ms. Miller to receive and file the project update by Mr. Bednar.

Adopted: YEAS: 3
NAYS: 0

Mr. Bednar updated the board that we have a proposal from Spicer Group to provide Stacy Hissong assistance in order to finish the route and course. This will complete the work that was started under the SAW Grant.

A motion was made by Ms. Vaara, supported by Ms. Miller to approve the proposal from Spicer Group to help determine the established route and course of the Sharkey Relief, at a not to exceed cost of $8,800.

Adopted: YEAS: 3
NAYS: 0

A motion was made by Ms. Vaara, supported by Ms. Miller to receive and file the financial report presented by Mr. Manning.

Adopted: YEAS: 3
NAYS: 0

There being no further business it was moved by Ms. Vaara supported by Ms. Miller that the meeting of the Sharkey Relief Inter-County Drainage Board to adjourned.

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at approximately 10:30 a.m.

Candice S. Miller

Candice S.Miller, Secretary
Sharkey Relief Inter-County Drainage Board

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Inter-County Drainage Board for the Drainage District shown on the attached set of Minutes, on July 15, 2020. 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

Candice S. Miller, Secretary
Sharkey Relief Inter-County Drainage Board

DATED: 7/15/2020

To: Sharkey Relief Drain District Board Members

From: Stephen Downing, Construction & Maintenance Manager

Date: November 18, 2026

Subject: Sharkey Relief Drain – I-696 Siphon Inspection & Cleaning

The MCPWO coordinated the regular 5-year inspection of the Sharkey Relief Drain siphon beneath I-696 near Dequindre and 11 Mile Roads in Warren, MI. The inspection was performed by Doetsch Environmental on August 3-5th, 2026. The inspection revealed sediment accumulation of 55-inches in the north barrel, 8-inches in the center barrel and 42-inches in the south barrel. The Doetsch inspection report is attached for reference which includes a picture from each barrel. Based on the results of this inspection it has been determined that the siphon needs to be cleaned within a year or less. The estimated cost for the inspection is $26,970 based on the daily rate of $8,890.00 provided by Doetsch in their proposal for inspection. The invoice has not yet been submitted.

Doetsch provided the attached proposal for the total cost of $230,480.00. The total estimated cost is based on 4 days for equipment setup and 20 days for active cleaning. This cost is with the range of previous cleaning efforts performed by Doetsch in 2011 and 2019.

The cost for cleaning is shared with MDOT in accordance with the agreement executed between the Drain District and MDOT in 2016. As such, the cost share for this work is split 50/50, with each party responsible for $115,240.00. Our Office contacted James Davis, the statewide drainage coordinator with MDOT to review the inspection report and the proposed cleaning cost, he is agreeable to the cost share as presented. Upon completion of the work, our office will send an invoice to MDOT for reimbursement.

MCPWO staff are recommending the following action:

That the Sharkey Relief Drain Board authorize Doetsch Environmental to perform the cleaning of the siphon for the lump sum not-to-exceed amount of $230,480.00 with the District and MDOT splitting the cost for a total of $115,240.00 each.

That the Sharkey Relief Drain Board authorizes payment to Doetsch Environmental for their inspection costs of approximately $26,970.00 upon receipt of their invoice.

Attachments: Doetsch Proposal
Doetsch Inspection Report



ANDERSON, ECKSTEIN AND WESTRICK, INC.
CIVIL ENGINEERS SURVEYORS ARCHITECTS
51301 Schoenherr Rd
Shelby Township
Michigan 48315
Phone 586 726 1234
Fax 586 726 8780
www.aewinc.com

PLOT DATE: 10/15/2018	DRAWING DATE: 10/15/2018
PLOT SCALE:	DRAWING SCALE: 1 inch = 100 feet
PLOT CONFIG: 8.5 X 11	PROJECT NO: 0211-0161
CREATED BY: GIS DEPT / CHECKED BY: GIS DEPT	MAP DOCUMENT: sharkey696.mxd

SHARKEY DRAIN

Storm Sewer System

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REFERENCE SHEET NUMBER

CAUTION

THIS MAP IS INTENDED FOR REFERENCE PURPOSES ONLY ANDERSON, ECKSTEIN AND WESTRICK, INC. AND MACOMB COUNTY DO NOT GUARANTEE THE ACCURACY OF THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM ALL CLAIMS, SUITS, DEMANDS AND JUDGEMENTS ARISING FROM THE USE OF THIS INFORMATION

Exhibit 1

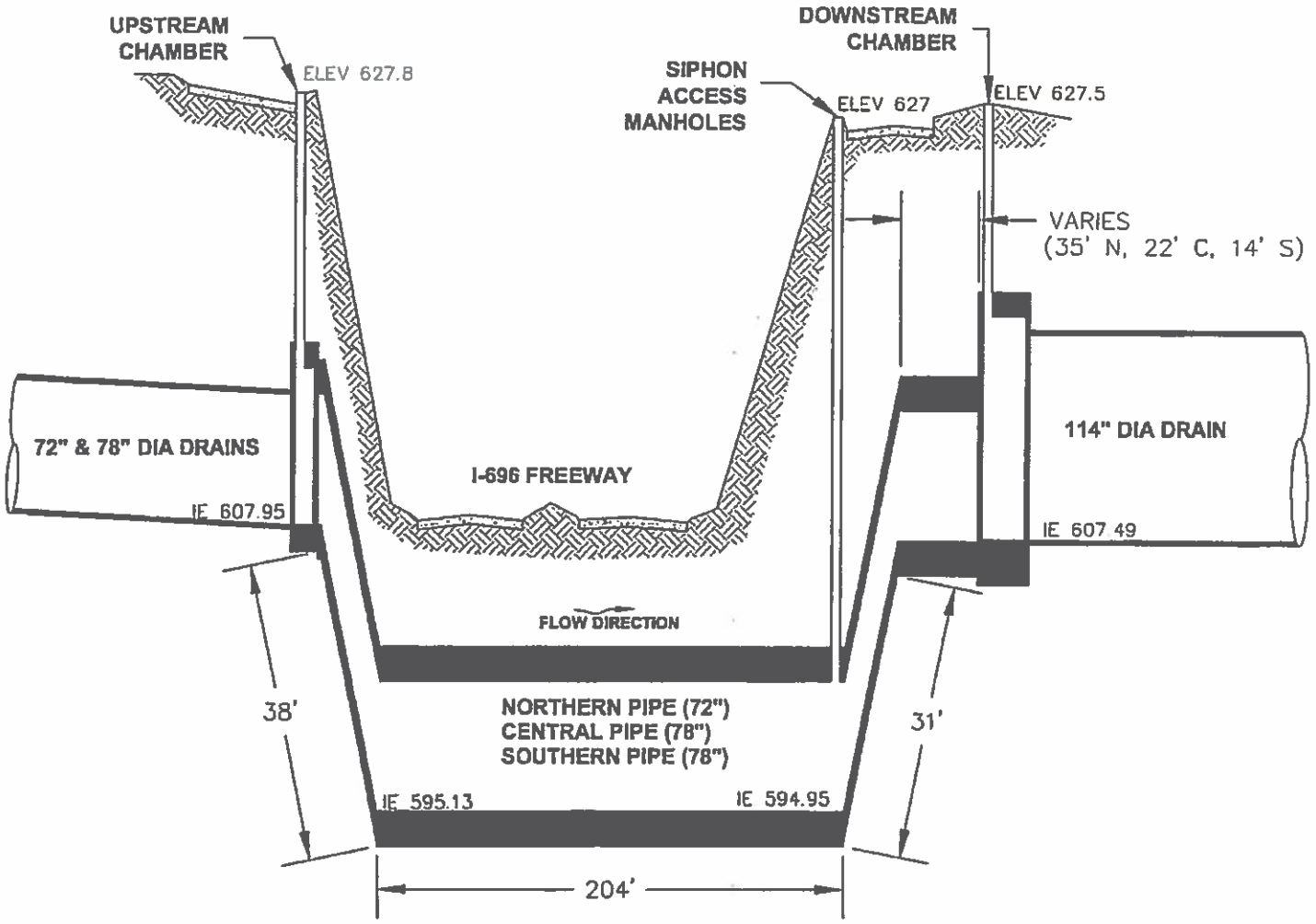


FIGURE 2

SPALDING DEDECKER ASSOCIATES, INC. Engineering Consultants Infrastructure • Land Development • Surveying	PROJECT: SHARKEY DRAIN INSPECTION		
	CLIENT: OMCPWC		
	DRAWN BY: SDA	DATE: 05-11-10	SIPHON PROFILE
	SCALE: NONE	JOB NO. MN10-006	

Doetsch
ENVIRONMENTAL SERVICES
21221 Mullin Ave. Warren MI 48089

September 8, 2026

Keith Lumma
Construction Supervisor
Macomb County Public Works Commissioner Candice S. Miller
21777 Dunham Road, Clinton Township, MI 48036

Re: Sharkey Drain Inspection

Mr. Lumma,

Doetsch Environmental Services dewatered and inspected the Sharkey Drain on August 3-5th

Three barrels were dewatered, one barrel each day while the siphon remained active.

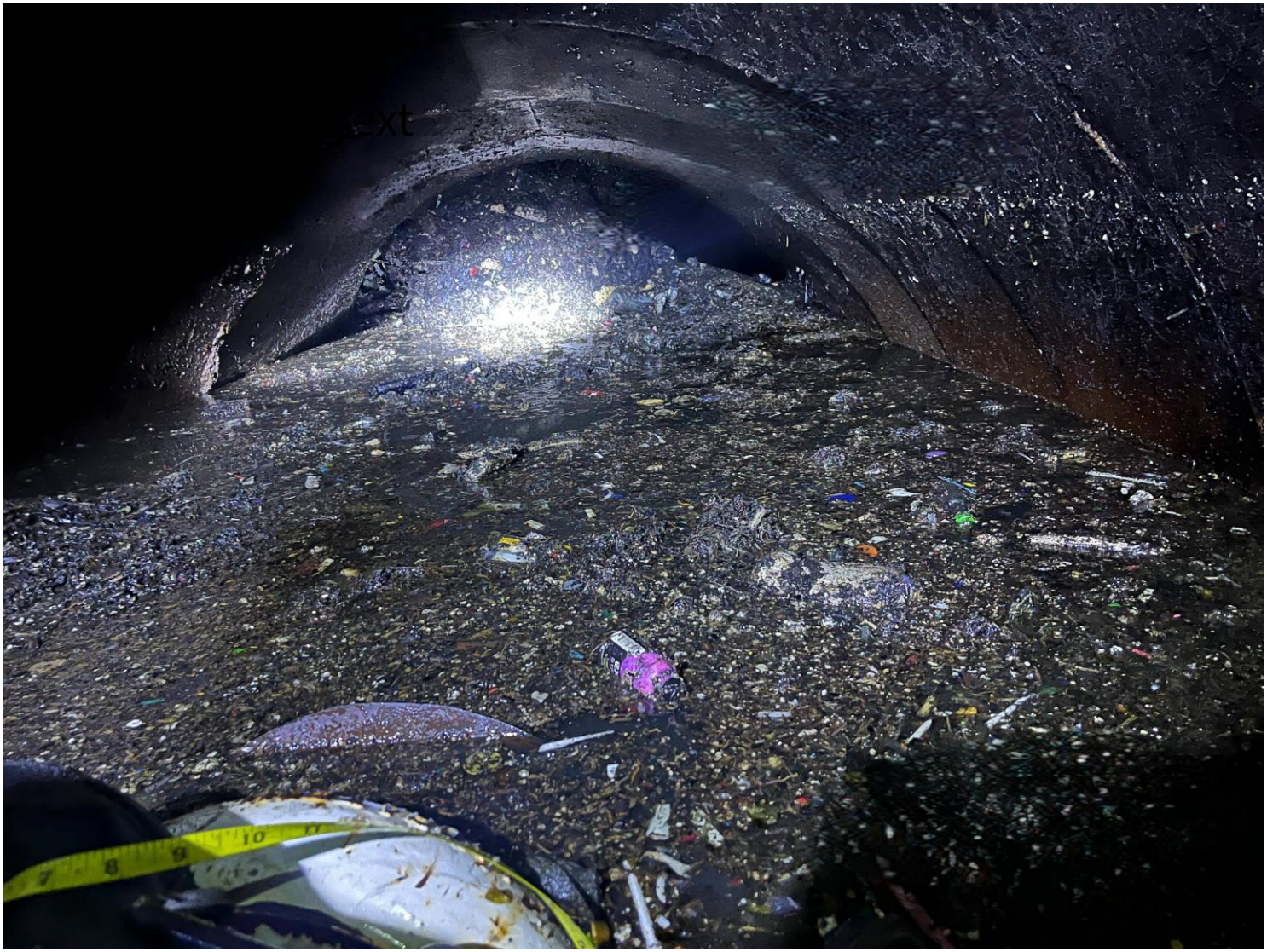
North barrel: 78" Concrete approx. 300'
Observation: Leaving the downstream chamber and entering the ramp to the lowest elevation under the EB I-696 service drive approximately **55"** of debris and sanitary trash was encountered, looking further toward the upstream the debris level increased to at least 85% of the pipe diameter

Center Barrel: 72" Concrete approx. 300'
Observation: Leaving the downstream chamber and entering the ramp to the lowest elevation under the EB I-696 service drive approximately **8"** of debris and sanitary trash was visually inspected throughout the alignment. This is consistent with the center barrel open to dry weather flow

South Barrel: 72" Concrete approx. 300'
Observation: Leaving the downstream chamber and entering the ramp to the lowest elevation under the EB I-696 service drive approximately **42"** of debris and sanitary trash was encountered, looking further toward the upstream the debris level increased to at least 80% of the pipe diameter

Thank you for the continued opportunity to be of service,

Joe Schotthoefer



North Barrel



Center Barrel



South Barrel

Doetsch
ENVIRONMENTAL SERVICES
21221 Mullin Ave. Warren MI 48089

October 13, 2026

Keith Lumma
Construction Supervisor
Macomb County Public Works Commissioner Candice S. Miller
21777 Dunham Road, Clinton Township, MI 48036

RE: Sharkey cleaning

Mr. Lumma,

Doetsch Environmental Services will provide necessary sewer cleaning equipment, confined space entry equipment, CCTV equipment, specialty removal equipment, mobilization, supervision and labor to clean and inspect the various double and triple barrel siphons as directed.

- All cleaning will utilize existing access points.
- Sediment removed from the sewer will be stored in roll off containers, decanted and hauled.
- Hydraulic cleaning of the pipe will utilize a high flow system in order to efficiently move debris in this large pipe.
- A step cleaning process will be used to eliminate blocking of the line with debris. The line will be cleaned to the upstream chamber. At which time a camera unit will be inserted into the line and will record cleanliness and provide a full inspection of the pipe and structure.
- All debris will be removed from the pipe for disposal at WM
- Equipment to remain onsite during offshift hours.

Scope:

- Major equipment set up at downstream structure.
- Traffic permit will utilize Macomb County blanket permit.
- Siphon barrels will be internally bypassed, cleaned and televised.
- Siphons to remain in service while cleaning.

Equipment to be utilized:

1. One Hyjector (high flow) jetting equipment
2. One remote reel truck
3. 1 Hydraulic power units with 6” submersible pumps

4. High pressure jet truck for floating grease mat removal
5. Vacuum truck
6. Roll off truck
7. Lifting frames for manipulating vertical vacuum line
8. Tubes and hoses
9. Supply trucks
10. Flat bed truck
11. Confined space entry equipment with blower
12. CCTV camera equipment
13. Traffic control devices

Please see hourly rates for all onsite equipment, labor will be broken out per MDOT, per individual person.

Hourly Rates		
	Straight	Overtime
Labor		
Per individual	Per MDOT	Per MDOT
Equipment		
Vacuum Truck	$ 120.00	$ 120.00
High Pressure Jet Truck	$ 175.00	$ 175.00
Remote hose reel	$ 60.00	$ 60.00
Hydraulic Power Unit 60 HP	$ 60.00	$ 60.00
Mini Excavator	$ 35.00	$ 35.00
Crane and Winch System	$ 15.00	$ 15.00
Roll off truck	$ 75.00	$ 75.00
Open top debris box > 9 cyd	$ 10.00	$ 10.00
Supply truck	$ 20.00	$ 20.00
Support vehicle	$ 20.00	$ 20.00
Support trailer	$ 20.00	$ 20.00
6" Centrifugal pump	$ 35.00	$ 35.00
6" submersible pump	$ 25.00	$ 25.00
375 CFM Air Comp	$ 40.00	$ 40.00
Filtration Box	$ 30.00	$ 30.00
Traffic control devices	$ 150.00	$ 150.00

Project duration: 3 weeks

20 days @ $10,390 + 4 days setup @ $5,075 + $2,380 for restoration + traffic control = $230,480.00

Please call with any questions or concerns 810-499-9233

Thank you for the opportunity to be of service,



Joe Schotthoefer

YTD Trial Balance
Fund: Sharkey Relief
As of Fiscal Period: Oct 1, 2026-Oct 31, 2026

	O&M Balance 9/30/2026	O&M	Total 10/31/2026
Cash - Operating	704,811	46	704,857
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		46	46
Expenditures			0
Equity	704,811		704,857