

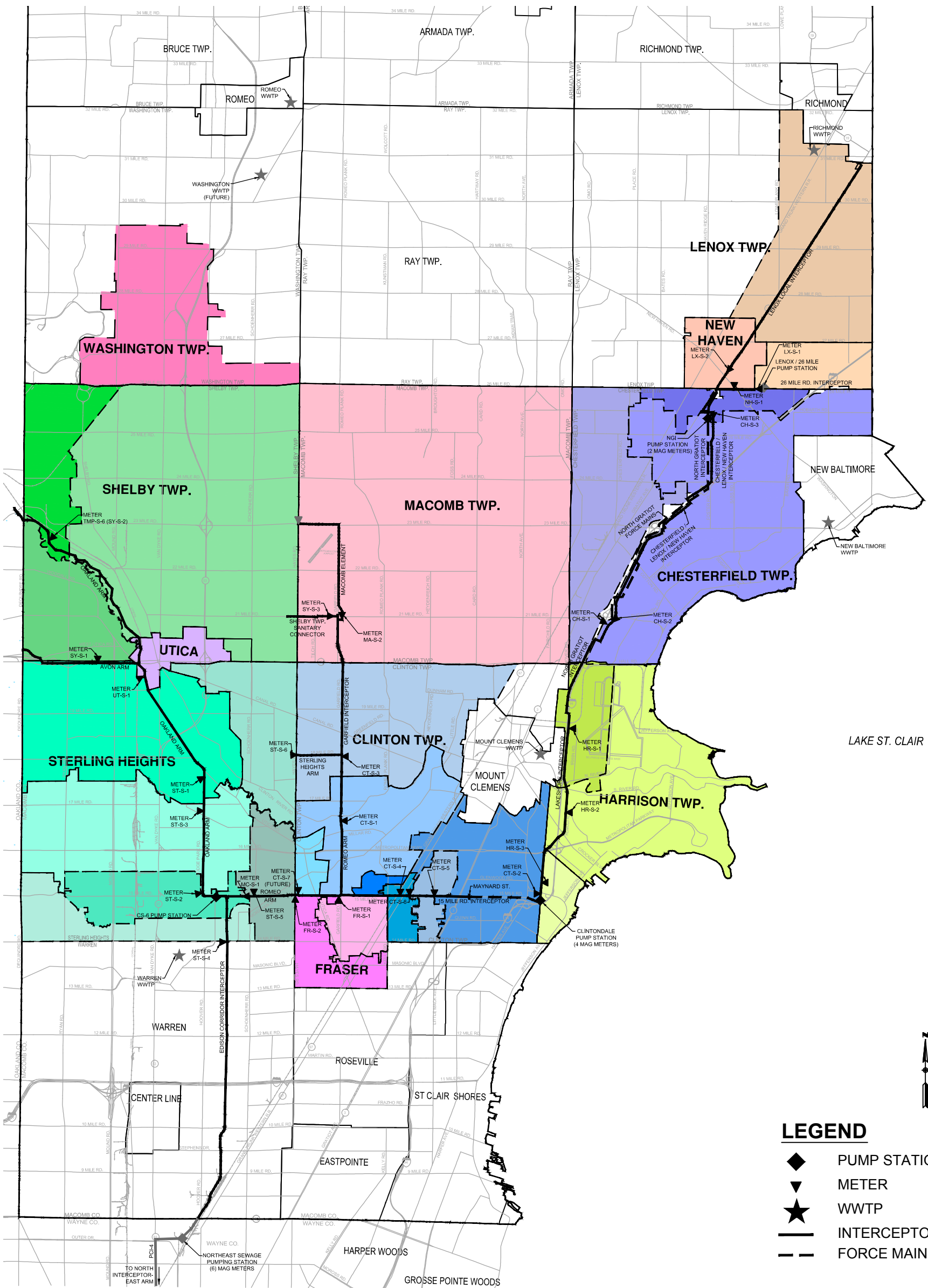
MACOMB INTERCEPTOR DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
MARCH 11, 2024  
11:00 A.M.  
AGENDA

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

**Call in Number: 1-470-499-2258  
Access Code: 415 487 641**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for March 11, 2024	
3. Approval of Minutes for February 12, 2024	3
4. Public Participation	
5. Project Updates – Stephen Downing/Vince Astorino	6
6. Segment 6 Liability Insurance Extension – Stephen Downing	34
Motion: To approve a 9-month extension of the Owner-Controlled Insurance Program (OCIP) Liability Policy with Meadowbrook Insurance Agency for the Segment 6 project totaling \$46,770.75.	
7. Segment 5 and Segment 6 Builder’s Risk / Pollution Insurance Extension – Stephen Downing	36
Motion: To approve a 9-month extension of the Owner-Controlled Insurance Program (OCIP) Builder’s Risk and Pollution policies with Meadowbrook Insurance Agency for the Segment 5 and Segment 6 projects based on the district’s final pro-rata share of the \$66,418 premium.	
8. Consideration for approval of invoices (see attached)	38
9. Financial Report – Bruce Manning	40
10. Adjourn	

# MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



## LEGEND

- ◆ PUMP STATION
- ▼ METER
- ★ WWTP
- INTERCEPTOR
- - - FORCE MAIN



**Candice S. Miller**

MACOMB COUNTY PUBLIC WORKS COMMISSIONER



UPDATED: FEBRUARY 2017

An adjourned meeting of the Intra-County Drainage Board for the **MACOMB INTERCEPTOR DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan on February 12, 2024, at 10:53 A.M.

PRESENT: Candice S. Miller, Chair  
Don VanSyckel, Member  
Vince Viviano, Member

PRESENT VIA TELECONFERENCE: Jess Johnston, Sterling Heights DPW

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Finance Manager; Jennifer Jozwiak, Account Specialist

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

Adopted: YEAS: 3  
NAYS: 0

Minutes of the meeting of January 8, 2024, were presented. A motion was made by Mr. Viviano, supported by Mr. VanSyckel 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 updated on Segment 5. There were multiple disruptions due to wet weather. However, we were able to install our first piece of HOBAS. We had a void open underneath the crane. We moved the crane and filled the void with cement to stabilize it. We are starting to get inquiries from residents, mainly from Villa Fontana wanting to know a completion date. We have received a substantial completion date of August, and a final completion date of October from Oscar Renda.

Mr. Downing then presented on Segment 6 Rehabilitation. Due to wet weather, we had limited time in the Interceptor. We got 30 feet cleaned last week and we have about a week left to clean.

Mr. Astorino updated on the 2023 Interceptor Inspection Program. No new update. We brought everything into Sewer AI and MCPWO is reviewing to develop the final punch list and defects found. Mr. VanSyckel said when he gets the final results, he would like to hear Mr. Astorino's assessment.

Mr. Downing said there is no new updates on Phase II Grouting this month.

Mr. Downing said that we are still making great progress on the Odor and Corrosion Facilities. 21 Mile Road and Garfield is moving along well. The projected completion for this is the end of July.

A motion was made by Mr. VanSyckel, supported by Mr. Viviano to receive and file the project updates.

Adopted: YEAS: 3  
NAYS: 0

Mr. Downing stated that due to the differing site condition encountered at 21 Mile Road and Garfield, the work shifted beyond the originally projected completion date of May 2024. As such, Tetra Tech requires additional CCA budget to maintain full-time observation on the site.

A motion was made by Mr. VanSyckel, supported by Mr. Viviano to approve Change Order #4 for the not to exceed amount of \$54,000 with Tetra Tech, Inc. for additional construction contract administration services.

Adopted: YEAS: 3  
NAYS: 0

Mr. Astorino presented on Dye Dilution Testing Services. MCPWO is requesting to execute Change Order #3 which will allocate additional funds to the ASI contract.

A motion was made by Mr. VanSyckel, supported by Mr. Viviano to approve Change Order #3 for \$50,000 to the Applied Sciences, Inc. Dye Dilution Testing Contract.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$10,868,706.63 to the board for review and approval.

A motion was made by Mr. VanSyckel, supported by Mr. Viviano 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. VanSyckel and supported by Mr. Viviano.

Adopted: YEAS: 3  
NAYS: 0

There being no further business, it was moved by Mr. Viviano, supported by Mr. VanSyckel that the meeting of the Macomb Interceptor Drain Board be adjourned.

Adopted: YEAS: 3  
NAYS: 0

The meeting was adjourned at 11:11 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 taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on February 12, 2024, 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: 2/12/24



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: Macomb Interceptor Drain Drainage District Board Members

CC: File

From: Stephen Downing, Construction & Maintenance Manager  
Vincent Astorino, Operations Director

Date: March 11, 2024

Subject: Construction Projects Status Updates for March 2024 Board Meeting

The following provides a status update for construction work performed within the Macomb Interceptor Drain Drainage District for the previous month.

### **Segment 5 Rehabilitation**

**Contractor:** Oscar Renda

**Engineering Consultant:** FK Engineering

#### **Project Description:**

The Segment 5 reach of the Romeo Arm Interceptor is approximately 8,300 linear feet; it runs along 15 Mile Road starting at the ITC Corridor and extends east to approximately Hayes Road. The first 7,000 linear feet is 11-foot diameter non-reinforced concrete pipe, and the next 1,300 linear feet is 8-foot diameter steel reinforced concrete pipe. The rehabilitation consists of debris removal, cleaning, and inspection of the pipe's invert. Next, HOBAS pipe will be used to slip line 7,000 linear feet of the 11-foot diameter sewer and the 1,300 linear feet section of 8-foot diameter pipe will be coated with a corrosion resistant geo-polymer spray applied coating. To facilitate this work, a new control structure and access shaft is under construction in the ITC Corridor. The new control structure will provide the contractor access to the sewer to facilitate the work and will also serve as a dewatering pump station to draw down the upstream water level in the sewer.

The project started in September 2020 and is scheduled to be completed in October 2024 based on the January 2024 schedule update.

**Significant project tasks that have occurred over the past month:**

1. Continued development, review, and approval of the required construction submittals.
2. Ground dewatering well maintenance and monitoring.
  - o The groundwater has rebound to its native elevation. We continue to monitor the drop pipes and structure for infiltration. The wells will remain available for installation of pumps until the completion of the project.
3. CS-12 Pump Station and Control structure status, which includes:
  - o MCPWO personnel continue the operation of the pump station and make adjustments to maximize the efficiency of the pump station for the Contractor to perform their work.
  - o The Contractor is performing the regular pump station maintenance during construction.
  - o During routine maintenance on Pump #2, the pump fell from a height of approximately 20-feet resulting in the total loss of the pump. The Contractor is working with the manufacturer to obtain a replacement pump.
4. Sediment and Debris Removal
  - o No update this month
5. Manhole Rehab & Spray-Lining
  - o The Contractor mobilized the spray-lining equipment to MH-06 to start spray-lining the transition taper between the 8-foot pipe and the HOBAS.
6. HOBAS Pipe Slip-Lining & Grouting of Annulus
  - o HOBAS installation started on February 10, 2024.
  - o A total of 38 sections (approximately 760-feet) of pipe have been installed through March 5, 2024.
  - o Grouting lifts 1, 2, & 3 of Run #1 from MH-06 to MH-05 completed.
  - o Grouting lifts 1 of Run #2 from MH-05 to MH-04 completed.
7. Weather & Maintenance
  - o There were a couple disruptions to work in the Interceptor during the month due to wet-weather.

**Construction Costs:**

	Date	
Original Contract Amount	10/21/2020	\$28,807,500.00
Current Contract Amount	2/29/2024	\$35,433,572.23
Total Spent to Date	2/29/2024	\$28,992,268.36
Remaining Budget	2/29/2024	\$6,476,378.98



*Figure 1 – CS-12 Pump Station, Construction Yard*





*Figure 2 – Hoisting the Pipe Carrier into CS-12 (daily operation for slip-lining)*



*Figure 3 – Transporting the First Section of HOBAS*



*Figure 4 – Riding the Pipe Carrier with HOBAS*



*Figure 5 – Setting the First Section of HOBAS Pipe*



*Figure 6 – Pipe Carrier Returning to CS-12 after Setting Pipe (view looking upstream)*



*Figure 7 – View Upstream of Installed HOBAS Pipe*

**OFFICE LOCATION:** 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933  
**ENGINEERING** • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264

## Segment 6 Rehabilitation

**Contractor:** Ric-Man Construction

**Engineering Consultant:** FK Engineering

### **Project Description:**

The Segment 6 Rehab project includes the rehabilitation of these main elements:

1. Cleaning and slip-lining (Hobas) of the 5-foot diameter 15 Mile Interceptor from MH-01 at Garfield Road and 15 Mile to MH-04 approximately 2200 feet east along 15 Mile.
2. Cleaning and slip-lining (Hobas) the 1400 linear feet 11-foot diameter Romeo Arm Interceptor sewer between CS-3 on 15 Mile Road and CS-2 on Garfield north of 15 Mile Road.
3. Rehabilitation of the Meter Facility FR-S-1 on Garfield south of 15 Mile Road.
4. Rehabilitation and spray-lining of the CS-2 and CS-3 control structure facilities. These concrete structures have been damaged by H2S damage over time and need repair.
5. Installation of an air-jumper to be incorporated into the existing Biofilter facility. This is being done to address the high level of odor issues that have resulted over the years from the intersection of 15 Mile and Garfield.
6. Installation of a new gate control structure on the 15 Mile Interceptor. This will allow for the rehabilitation of the MH-01 structure and provide future storage options within that interceptor.

The project started in September 2021 and is scheduled to be completed in July 2024 based on the February 2024 schedule update.

### **Significant project tasks that have occurred over the past month:**

1. The Contractor continues to develop and submit the required submittals to the Engineer.
2. Continued the debris/sediment removal between CS-2 and CS-3.
  - o Approximately 1,300 linear feet of pipe cleaned to remove the heavy debris.
  - o Contractor is vacuuming lighter debris of 6-18-inch deep as the work back to MH-10.
  - o There is a potential need to jet the pipe of the floatable debris under live flow to complete cleaning.
3. The project has been impacted several times due to wet-weather this month.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	5/1/2021	\$13,541,545.00
Change Order No. 1	8/1/2021	\$132,664.70
Total Contract Amount	2/29/2024	\$13,674,209.70
Total Spent to Date	2/29/2024	\$11,730,594.83
Remaining Budget	2/29/2024	\$1,943,614.87



*Figure 8 – Aerial View at CS-3 of Debris Removal Equipment*

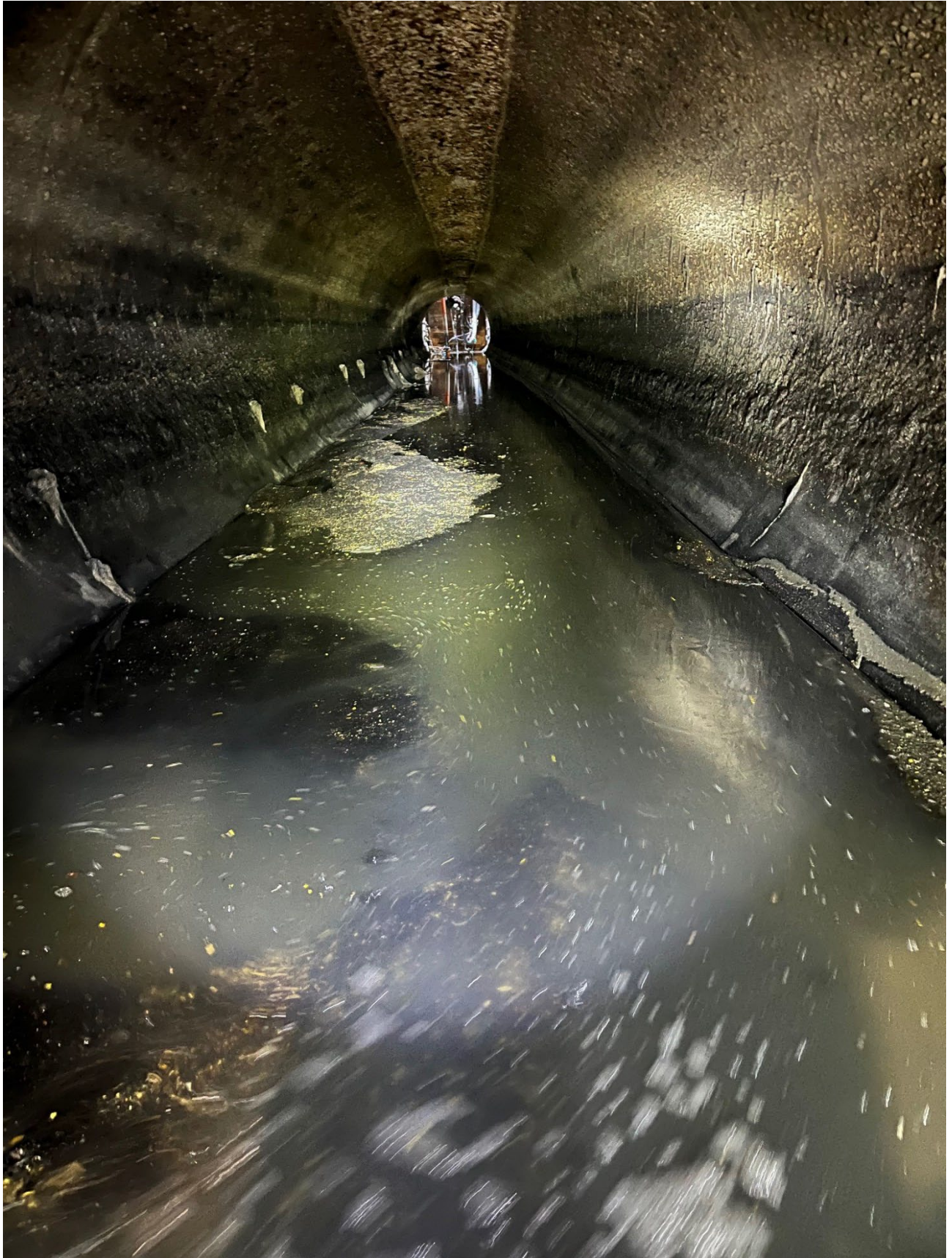




*Figure 9 – Debris Removed from Interceptor*



*Figure 10 – Emptying Vac-Truck of Debris Removed from Interceptor*



*Figure 11 – Heavy Debris in the Interceptor*



*Figure 12 – Heavy Debris & Sludge in the Interceptor*

## 2023 Interceptor Inspection Program

**Contractor:** Taplin

**Engineering Consultant:** NTH

### **Project Description:**

The 2023 sewer inspection program was awarded to Taplin in March 2023. The inspection program includes inspection of approximately 24 miles of sanitary sewer ranging from 2-feet to 12-feet in diameter and 152 manholes across the MIDDD and 8.5 Mile Districts.

As part of the MIDDD inspection, sonar and laser scanning will be performed within the interceptors. This data will be used to not only correlate laser scan data to the 2017 inspection, but the sonar data will be used to develop design drawings to remove the sediment within the MIDDD interceptors.

The inspection interval for the entire system is based on a 3-year cycle, where non-reinforced concrete pipe is inspected every 3 years and reinforced concrete pipe is inspected every 6 years.

### **Significant project tasks that have occurred over the past month:**

1. Inspections are complete and data is being submitted and reviewed.
2. Inspection footage has been brought into SewerAI and MCPWO is reviewing to develop the final punch list and CIP from defects found.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	4/10/23	\$591,319.40
Total Spent to Date	Through Pay App #4	\$523,099.15
Remaining Budget	2/2/24	\$68,220.25

**\*This Table reflects the MIDDD costs only.**

## Phase II Grouting

**Contractor:** Doetsch Environmental Services, Inc.

**Engineering Consultant:** AEW

### **Project Description:**

The Phase II Grouting project was awarded to Doetsch Environmental during summer 2020. The work includes chemical grouting of the sewer and manholes where infiltration is present. The work is planned in all reaches of the system not included in the Segment 5 or portion of the Romeo Arm rehabilitated during the 2016 Interceptor Collapse. The main areas of work include the Romeo Arm along Garfield Road between 15 Mile and Clinton River Roads, the Garfield Interceptor between Clinton River and 21 Mile Roads, and the Lakeshore Interceptor between the Clintondale Pump Station at 15 Mile and Union Lake and Joy Boulevard in Harrison Township. The chemical grouting is aimed to stop all active infiltration within the system in advance of future rehabilitation and maintenance projects.

### **Significant project tasks that have occurred over the past month:**

1. The critical area grouting is complete, grouting operations will resume in non-critical areas when daily flow control operations allow.

### **Construction Costs:**

	Date	
Original Contract Amount	6/24/2020	\$3,000,000.00
Change Order No. 1	3/14/2022	\$3,000,000.00
Current Contract Amount	11/30/2023	\$6,000,000.00
Total Spent to Date	11/30/2023	\$4,432,736.20
Remaining Budget	11/30/2023	\$1,567,263.80

## Odor & Corrosion Control Facilities

Contractor: L. D'Agostini & Sons

Engineering Consultant: Tetra Tech

Project Description:

The Macomb Interceptor Drain completed a system-wide odor and corrosion study to evaluate the need for additional odor and corrosion control facilities to mitigate corrosion induced degradation of the interceptor and nuisance odors emitting from the interceptor near homes, businesses and public spaces. This effort is concentrated on extending the useful life of the interceptor and reducing nuisance odors emitting from the interceptor.

The study identified the need to construct three new odor and corrosion control facilities. Additionally, it was determined that the existing open-bed woodchip media type Fraser Bio-Filter would be more efficient and effective if converted to an enclosed bio-filter with an engineered media. The locations of the new facilities were determined through analysis and computer modeling using data that was collected in the field during the study phase. The facilities are intended to complement one another to reduce hydrogen sulfide induced corrosion.

The facilities are summarized in the Table below:

Facility	Location	Filter Type	Media Type
Fraser	15 Mile & Garfield	Bio-Filter	Engineered
Macomb Township	21 Mile & Garfield	Bio-Filter	Engineered
Clintondale PS	Union Lake & Sorrentino	Carbon Filter	Carbon
NGI Pump Station	Gratiot & Concordia	Chemical Injection	Calcium Nitrate

The construction contract was awarded to L. D'Agostini & Sons in October of 2022 and the contractual Notice to Proceed was issued with an effective date of December 2, 2022. The number of days to achieve substantial completion is 630 days, resulting in a contractually required substantial completion date of August 23, 2024.

The construction work commenced in January of 2023 and is estimated to be completed by August of 2024. The estimated schedule for each site is summarized in the table below:

Facility	Location	Start Date	Finish Date
Fraser	15 Mile & Garfield	March – 2023	March – 2024
Macomb Township	21 Mile & Garfield	April – 2023	August – 2024
Clintondale Pump Station	Union Lake & Sorrentino	September – 2023	May – 2024
NGI Pump Station	Gratiot & Concordia	January – 2023	March – 2024

\*The dates are based on the Construction schedule January 2024 update.

Significant project tasks that have occurred over the past month:

1. The Contractor is developing and submitting the required submittals to the Engineer & Owner for review.
2. NGI PS Site:
  - a. The Contractor performed the initial start-up and commissioning on Monday March 4, 2024. The system is visible in SACDA and will remain on unless any issues arise.
  - b. The Owner training will occur in March.
3. Clintondale PS Site:
  - a. The carbon unit delivery is expected in May 2024.
  - b. Working on duct-work in the screening building.
  - c. Working on electrical conduit in the screening building.
4. 21 Mile & Garfield Site
  - a. Constructed the roof beams for the media chamber.
  - b. Started backfill around the media chamber.
  - c. The dewatering system has been turned off and the equipment demobilized.
5. Fraser Site
  - a. The carbon media is expected to be available in April.
  - b. Preparing for initial start-up and commissioning.

Construction Costs:

	Date	
Original Contract Amount	12/2/2022	\$11,799,678.78
Change Order No. 1	9/9/2023	\$283,792.72
Current Contract Amount	1/31/2024	\$12,083,471.50
Total Spent to Date	1/31/2024	\$7,546,385.83
Remaining Budget	1/31/2024	\$4,537,085.67





*Figure 13 – Aerial View of the Fraser Biofilter*



*Figure 14 – Aerial View of the Maccomb Twp. Bio-Filter*



*Figure 15 – Macomb Township Bio-Filter Media Chamber Roof Beam Construction*



*Figure 16 – Macomb Township Bio-Filter Media Chamber Roof Beam Concrete Placement*



*Figure 17 – Macomb Township Bio-Filter Media Chamber Roof Beam Concrete Curing*



*Figure 18 – Macomb Township Bio-Filter Media Backfilling Operations*



*Figure 19 – Macomb Township Bio-Filter Media Backfilling Operations*



*Figure 20 – NGI Chemical Tanks Installed*





*Figure 21 – Initial Filling of the NGI Chemical Tanks*



**Candice S. Miller**

Public Works Commissioner  
Macomb County

**To: Macomb Interceptor Drain Drainage District Board Members**

**From: Stephen Downing, Construction & Maintenance Manager**

**Date: March 11, 2024**

**Subject: Segment 6 OCIP Liability Extension Premium**

The Macomb Interceptor Drain Drainage District authorized the Board Chair to bind liability insurance coverage for the Segment 6 Rehabilitation Project in June 2021.

The original construction duration for the Segment 6 Rehabilitation was estimated at 18-months, the initial 30-month policy term was conservatively selected based on the cost of premiums. As the Board is aware, the project duration has been extended for several reasons, which include:

- HOBAS damaged during installation of the 54-inch sections
- Construction of additional shaft to complete installation of the 54-inch sections
- Schedule loss during cleaning and debris removal of the 11-foot diameter RAI curve

The Contractor was issued formal Notice to Proceed with an effective date of August 6, 2021 with a required substantial completion date of January 28, 2023 and final completion date of February 27, 2023. The contract has been extended a total of 4-months as a result of Change Orders #2 related to HOBAS damage during pipe-jacking in March 2022. The current contractually required substantial completion date is May 25, 2023 and final completion date is June 25, 2023. The Contractor is currently tracking toward a substantial completion date of June 10, 2024 and a final completion of July, 2024. This is based on the February 2024 monthly schedule update.

As a result of the extended Project schedule an extension of the existing liability coverage within the OCIP Program is required. The OCIP Administrator, MIA, has recommended a 9-month extension of the current liability coverage. The recommendation is based on the Contractor's current construction schedule and current progress of work. MIA has negotiated an extension of the current Liability coverage for a total of \$46,770.75. A summary of these costs is shown in the attached MIA proposal. These policies were bound on February 6, 2024 to avoid a lapse in liability coverage.

**The action is that the Macomb Interceptor Drain Drainage District Board receive and file this memo to extend the Liability Coverage for a 9-month period for the total premium of \$46,770.75.**

Attachments: Meadowbrook Insurance Agency Memo Dated 2-14-2024

**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



February 14, 2024

Macomb County Public Works  
 ATTN: Stephen Downing  
 21777 Dunham Road  
 Clinton Township, MI 48036

RE: Segment 6 Liability Insurance Extension

Dear Mr. Downing,

Please find summary below for the extension of liability insurance on the owner-controlled insurance program (OCIP) for the Macomb Interceptor Drain Drainage District – Segment 6 Project. The summary below includes adding an additional 9 months of coverage to the current liability policies adjusting the policy expiration from 02/06/2024 to 11/06/2024.

<b>Macomb County Public Works (MCPW) - Segment 6 Liability Extension</b>		
	<i>9 Month Extension to 11/6/2024</i>	
<b>Layer</b>	<b>Carrier</b>	<b>Total (including taxes &amp; fees)</b>
Primary	Everest Indemnity	\$ 7,745.93
Lead \$5MM	Everest Indemnity	\$ 5,676.45
\$5MM x \$5MM	Navigators Specialty	\$ 3,587.50
\$10MM x \$10MM	Capitol Specialty	\$ 10,895.75
\$15MM x \$20MM	Endurance American Specialty	\$ 10,639.50
\$15MM x \$35MM	Liberty Surplus	\$ 8,225.63
<b>Total</b>		<b>\$ 46,770.75</b>

Invoices are due upon receipt from our office and additional premium is made payable to Meadowbrook Insurance Agency.

Please let me know if you have any questions.

Thank you,

Patrick Kennedy on behalf of Salvatore Saputo  
 Account Executive  
 Meadowbrook Insurance Agency



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: Macomb Interceptor Drain & 8 ½ Mile Relief Drain Drainage District Board Members

From: Stephen Downing, Construction & Maintenance Manager

Date: March 11, 2024

Subject: Segment 5, Segment 6, & In-System Storage Builder's Risk, Pollution & OPPI Policy Extension Premiums

The Macomb Interceptor Drain & 8 ½ Mile Relief Drain Drainage Districts authorized Meadowbrook Insurance Agency (MIA) to bind coverage for Builder's Risk, Pollution, and OPPI insurance policies on August 6, 2020. The initial 42-month coverage term was selected based on the estimated project completion dates for the projects.

As the respective Board members are aware, each of the projects is behind schedule for a variety of reasons. With the initial 42-month term set to expire on March 6, 2024, MCPWO worked with MIA to obtain an extension of the policies to maintain coverage through final completion of the projects. The attached MIA proposal summarizes the policies and their respective premiums to extend coverage for 9-months. The 9-month extension was selected based on review of the current project schedules and current progress of work.

The cost allocated to each project for these policies will be determined once all three projects have been completed. The cost share will be allocated based on the total construction value for each project. At the conclusion of the current OCIP program each Drain Board will be presented with a comprehensive summary of all OCIP premiums incurred on all projects for all policies.

The action is that the Macomb Interceptor Drain and 8 ½ Mile Relief Drain Drainage District Board receive and file this memo regarding the extension of the Builder's Risk, and Pollution policies for the premium amounts for a total of \$66,418.00.

Attachments: Meadowbrook Insurance Agency Memo Dated 2-28-2024

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**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



February 28, 2024

Macomb County Public Works  
ATTN: Stephen Downing  
21777 Dunham Road  
Clinton Township, MI 48036

RE: Builders Risk, Pollution Liability, and Owner’s Protective Professional Indemnity (OPPI) Insurance Extensions

Dear Mr. Downing,

Please find summary below for the extension of the Builders Risk, Pollution Liability, and OPPI Insurance policies for the Macomb Interceptor Drain Drainage District – Segment 5 and Segment 6 Projects, and the Eight and One-Half Mile Relief Drain Drainage District – In-System Storage Project. The summary below includes extending the current expiration date from 03/04/2024 to 12/31/2024.

Carrier	Policy	Premium
Chubb	Builders Risk	\$ 48,139
AIG	Pollution	\$ 14,783
W.R. Berkley	OPPI	\$ 3,496
Total		\$ 66,418

Invoices are due upon receipt from our office and the additional premiums are made payable to Meadowbrook Insurance Agency.

Please let me know if you have any questions.

Thank you,

Patrick Kennedy on behalf of Salvatore Saputo  
Account Executive  
Meadowbrook Insurance Agency

MACOMB INTERCEPTOR DRAINAGE DISTRICT  
02/20/24 - 03/05/24

<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>
<b>Macomb Interceptor Drain</b>	Chapter 20 Chesterfield – 7.4416% Clinton – 20.9117% Fraser – 4.2007% Harrison – 6.2625% Lenox – 1.1700% Macomb – 14.1489% New Haven – 0.8391% Shelby – 9.7883% Sterling Heights – 30.8805% Utica – 1.6392% Washington – 2.7176%						
		Astorino	Amazon	\$ 526.73	Invoice #1XQN-W43P-KFLW - 02.06.24	Water Pump and Hose Kit	
		Astorino	County of Macomb	\$ 1,075.00	Invoice #24-156 - 02.27.24	NASSCO Inspection Training - Zach H.	
		Astorino	County of Macomb	\$ 1,075.00	Invoice #24-155 - 02.27.24	NASSCO Inspection Training - Joel S.	
		Downing	County of Macomb	\$ 798.00	Invoice #24-154 - 02.27.24	Training - Keith L.	
		Astorino	Department of Roads	\$ 1,108.39	Invoice #302642 - 01.25.24	Fleet Fuel - December 2023	
		Astorino	DTE Energy	\$ 1,484.99	Invoice #24-121 - 02/01.24	Monthly Electric - 01.04.24 - 01.31.24 - CS12	
		Astorino	EJ USA	\$ 4,622.40	Invoice #110240004493 - 01.25.24	Manhole Covers	
		Astorino	Fishbeck	\$ 2,715.00	Invoice #433801 - 02.21.24	Wastewater Master Plan through 02.16.24	\$ 183,241.17
		Astorino	Fishbeck	\$ 1,798.72	Invoice #433783 - 02.21.24	GLWA Engineering Assistance through 02.16.24	
		Astorino	Fishbeck	\$ 4,087.00	Invoice #433784 - 02.21.24	As-Needed Engineering Flow Analysis	\$ 166,649.00
		Downing	FK Engineering	\$ 98,556.16	Invoice #20-058-044 - 02.12.24	Segment 6 CCA - 01.14.24 - 02.10.24	\$ (444,452.42)
		Downing	FK Engineering	\$ 60,807.87	Invoice #20-152-038 - 02.12.24	Segment 5 CCA - 01.14.24 - 02.10.24	\$ (1,198,695.72)
		Downing	FK Engineering	\$ 49,365.73	Invoice #23-158-004 - 02.13.24	Drop Shaft Rehabilitation - 01.14.24 - 02.10.24	\$ 413,653.24
		Downing	L. D'Agostini	\$ 348,084.42	Invoice #WWS-20212-001 App12 02.15.24	Odor and Corrosion through 02.15.24	\$ 4,189,001.25
		Astorino	Metco	\$ 652.37	Invoice #2206A-12 - 03.04.24	Flow Control Assistance through 03.03.24	\$ 74,040.09
		Astorino	Metco	\$ 3,735.08	Invoice #2206C-04 - 03.04.24	Rehabilitation Pump #4 CPS through 03.03.24	\$ 70,305.01
		Downing	Oscar Renda	\$ 425,925.00	Invoice #WWS-2020-007APP42 - 02.29.24	Romeo Arm Segment 5 Lining through 02.29.24	\$ 6,476,378.98
		Downing	Ric-Man	\$ 138,370.05	Invoice #App 29 - 02.20.24	Segment 6 Rehabilitation through 02.20.24	\$ 1,943,614.87
		Downing	Tetra Tech	\$ 23,052.76	Invoice #52192479 - 02.02.24	Odor and Corrosion CCA through 01.26.24	\$ 474,231.62
		Astorino	Verizon	\$ 2,342.84	Invoice #9954976715 - 01.23.24	Monthly Cellular - 12.24.23 - 01.23.24 (Eq. Fund)	
		Astorino	Verizon	\$ 789.49	Invoice #9954976715 - 01.23.24	Monthly Cellular - 12.24.23 - 01.23.24	
		<u>DEBT</u>		Manning	Michigan Finance Authority	\$ 480,009.75	Invoice #1483-MFA - 02.06.24
	Manning		Michigan Finance Authority	\$ 12,349.99	Invoice #1483-MFA - 02.06.24	Debt - 5540-01	
	Manning		Michigan Finance Authority	\$ 27,687.50	Invoice #1483-MFA - 02.06.24	Debt - 5605-01	
	Manning		Michigan Finance Authority	\$ 22,280.49	Invoice #1484-MFA - 02.06.24	Debt - 5624-01 - 2015A	
	Manning		Michigan Finance Authority	\$ 1,303,901.92	Invoice #1484-MFA - 02.06.24	Debt - 5659-03 - Segment 5	

MACOMB INTERCEPTOR DRAINAGE DISTRICT  
02/20/24 - 03/05/24

<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>
<u>CPS</u>		Astorino	Air Design	\$ 1,195.00	Invoice #INV/2024/02/0042 - 02.05.24	UHIR Commercial Unit Heater	
		Astorino	Clinton Township	\$ 2,271.65	Invoice #24-118 - 01.29.24	Monthly Water - January 2024	
		Astorino	DTE Energy	\$ 32,208.29	Invoice #24-132 - 02.01.24	Monthly Electric - 01.04.24 - 02.01.24	
		Astorino	Grainger	\$ 913.47	Invoice #9010085273 - 02.06.24	Supplies - Hose Reel	
		Astorino	Kennedy Industries	\$ 3,100.00	Invoice #640414 - 01.31.24	Pump Maintenance	
		Astorino	Premier Safety	\$ 615.00	Invoice #04242900 - 02.26.24	Annual Certifications	
<u>METERS</u>		Astorino	HESCO	\$ 9,810.00	Invoice #242130 - 02.12.24	Meter Maintenance - 12.01.23 - 12.31.23	\$ 357,840.00
		Astorino	HESCO	\$ 10,230.00	Invoice #App 11 - 02.12.24	Meter Maintenance - 01.01.24 - 01.31.24	\$ 347,610.00
<u>NGI</u>		Astorino	DTE Energy	\$ 2,076.61	Invoice #24-128 - 01.31.24	Monthly Electric - 12.30.23 - 01.30.24	
		Astorino	Fishbeck	\$ 5,544.00	Invoice #433830 - 02.21.24	2020 Inspection Program through 02.16.24	\$ 190.63
		Astorino	Kennedy Industries	\$ 2,715.00	Invoice #640606 - 02.13.24	Annual Maintenance and Field Service	
		Astorino	National Industrial Maintenance	\$ 1,250.00	Invoice #46923 - 02.20.24	Jet Vac - Pigging	
<u>OMID</u>		Downing	Oakland County Treasurer	\$ 4,471,317.83	Invoice #CI034698 - 02.29.24	Sewer Disposal - February 2024	
<u>SCADA</u>		Astorino	MCET	\$ 743.22	Invoice #95586 - 02.23.24	Replaced Card Reader	
		Astorino	People Driven Technology	\$ 1,404.18	Invoice #INV10013 - 02.23.24	Veeam License and Support	
		Astorino	Verizon	\$ 1,073.55	Invoice #9954976715 - 01.24.24	Monthly Cellular - 12.24.23 - 01.23.24	
<b>Total</b>				\$ 7,563,670.45			

**Budget to Actual**  
**MIDDD**  
**As of Feb 29, 2024 = 67%**

DESCRIPTION	2024 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
GLWA-OMID	49,276,790		32,854,411	16,422,379	66.7%
OMID O&M	4,379,020		2,919,347	1,459,673	66.7%
Settlement	100,000			100,000	0.0%
Reimbursements	150,000		123,280	26,720	82.2%
PY Revenue-Fund Balance	20,907,890			20,907,890	0.0%
Reimb-Local Communities	17,717,200		11,811,467	5,905,733	66.7%
State Grant-ARPA Seg 5 & 6	-		16,719,883	-	0.0%
COVID Grant	345,630		314,562	31,068	0.0%
Interest	400,000		796,995	(396,995)	199.2%
<i>Total Revenue Accounts</i>	93,276,530	-	65,539,944	44,456,469	70.3%
<b>EXPENSE ACCOUNTS</b>					
GLWA-OMID	49,276,790		32,854,411	16,422,379	66.7%
OMID O&M	4,379,020		2,919,347	1,459,673	66.7%
Public Works Wastewater Disposal Division	1,984,020		5,774	1,978,246	0.3%
Office Operations/Insurance	406,450		96,043	310,407	23.6%
SCADA	117,260		53,238	64,022	45.4%
<b>Engineering</b>					
Replenish reserve from CPS refunding	618,680			618,680	0.0%
As Needed Engineering	200,000		53,842	146,158	26.9%
Annual Meter Dye Testing	50,000		26,581	23,419	53.2%
Data Review-Aquasight	100,000			100,000	0.0%
Odor and Corrosion Construction/CCA	811,040		1,198,672	(387,632)	147.8%
Covid Testing 2023-Grant Funded	340,630		314,562	26,068	92.3%
General Construction/Engineering Contingency-All projects	2,650,000		26,417	2,623,583	1.0%
SY-S-1, SY-S-2, & WA-S-1 Meter Const Admin/Rehab	75,000			75,000	0.0%
Level Sensors/Pressure/H2S-Meters	261,200			261,200	0.0%
2023 Drop Shaft Rehab Design, Construction, & CCA	2,400,000		117,549	2,282,451	4.9%
Odor and Control-Construction	8,333,780		3,890,465	4,443,315	46.7%
Segment 6 Construction Administration (ARPA)			1,328,722	(1,328,722)	
Segment 6 Construction/CCA (ARPA)			3,741,833	(3,741,833)	
Segment 5 Construction Admin (ARPA)			809,595	(809,595)	
Segment 5 Construction (ARPA)			10,839,733	(10,839,733)	
Legal Services	75,000		1,510	73,490	2.0%
Clintondale PS O&M	786,890		530,714	256,176	67.4%
NGI O&M	88,500		50,508	37,992	57.1%
Meters O&M	189,400		156,255	33,145	82.5%
Control Structures and Pump Station O&M	178,930		9,573	169,357	5.4%
Biofilter O&M	19,800		957	18,843	4.8%
Contribution Life Cycle Reserve	184,300			184,300	0.0%
Interceptor O&M	18,614,210		669,186	17,945,024	3.6%
Stormwater Pump Stations	50,000		33,333	16,667	66.7%
Sewage Disposal Charges - Mt. Clemens	410,000		198,965	211,035	48.5%
Debt Service - Revenue Bonds	675,630		450,420	225,210	66.7%
<i>Total Expense Accounts</i>	93,276,530	-	60,378,205	32,898,325	64.7%

	O&M Balance 6/30/2023	O&M	Total 2/29/2024
<b>Cash - Operating</b>	59,727,429	5,161,739	64,889,168
<b>Accounts Receivable</b>			0
<b>Assets</b>			0
<b>Liabilities</b>			0
<b>Revenues</b>		65,539,944	65,539,944
<b>Expenditures</b>		60,378,205	60,378,205
			0
<b>Equity*</b>	59,727,429		64,889,168

**Detail of 2023 Equity\***

Reserve at 6/30/2023	20,862,516	PLC Equipment Replacement	100,000
Life Cycle Reserve	1,237,460	Improvement to Hydraulic Cylinder	120,333
General Construction/Engineering Contingency-All projects	450,000	Grouting	3,926,770
SY-S-1, SY-S-2, & WA-S-1 Meter Const Admin/Rehab	75,000	Interceptor Inspections	1,714,481
Level Sensors/Pressure/H2S-Meters	256,230	Intercept Clean/Sediment Removal	3,550,000
Drop Shaft Rehab Design	2,400,000	Segment 5	14,064,063
Odor and Corrosion Construction/CCA	7,803,213	Segment 6	3,003,560
CPS Electrical Room AC	63,803	Drain Valve For Force Main	100,000