

MACOMB INTERCEPTOR DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
APRIL 11, 2022  
10:30 A.M.  
AGENDA

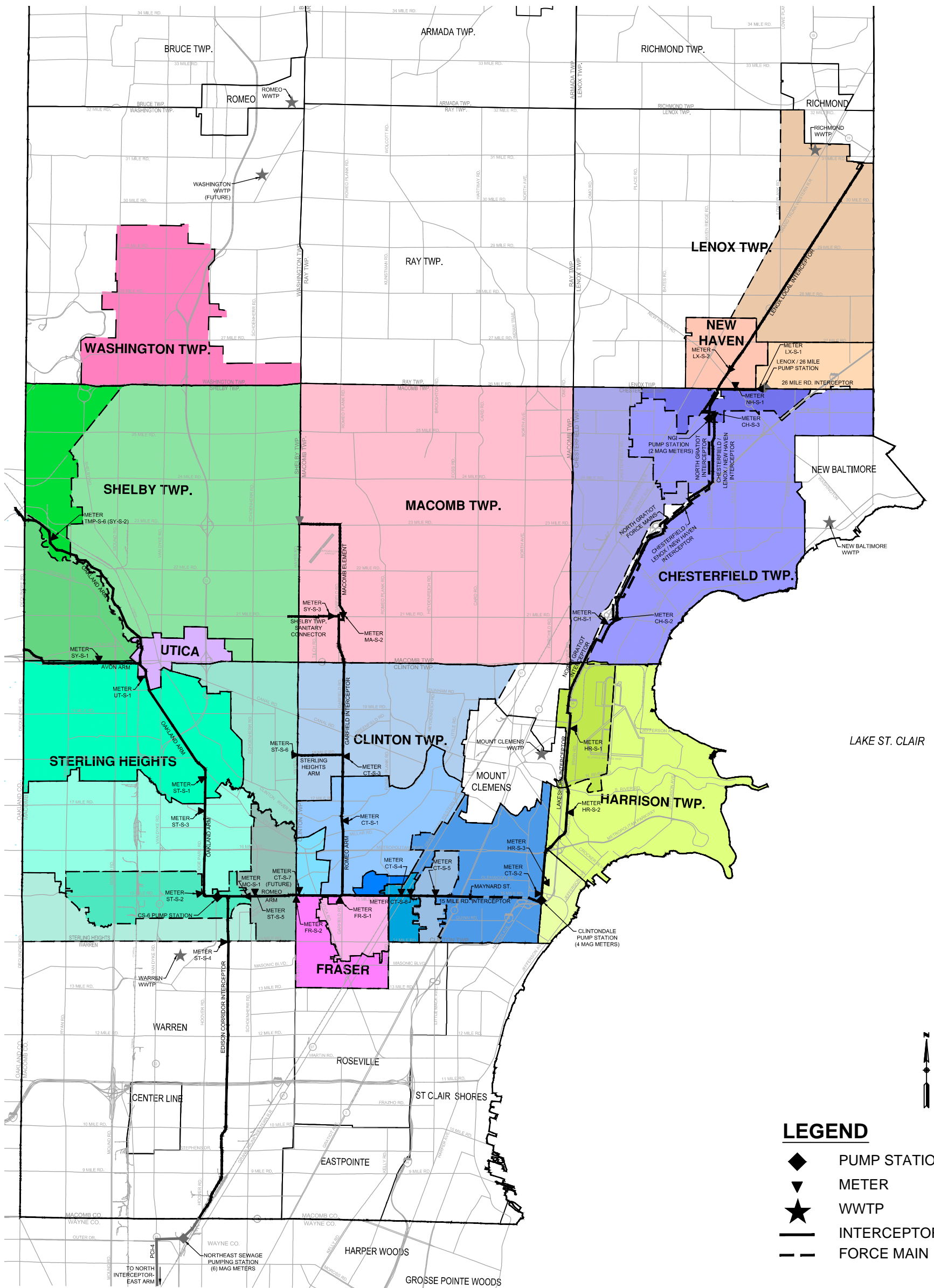
**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE  
OPTION FOR PUBLIC**

**Call in Number: 1-470-241-5845  
Access Code: 912 949 977**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for April 11, 2022	
3. Approval of Minutes for March 14, 2022	4
4. Public Participation	
5. Highland Park Unpaid Bills	8
6. Project Updates – Stephen Downing	19
7. Insurance Policy Renewals – Bruce Manning/Stephen Saph	38
Motion: To approve the Chapter 20 General Liability Insurance coverage renewal with Argonaut Insurance Company in the amount of \$210,613 (MIDD share \$197,797.20)	
8. Odor and Corrosion Bid Results – Stephen Downing	55
Motion: To reject the bid received from Lasalle Construction, Inc. and authorize the rebidding of the Odor & Corrosion project.	
9. Change Order #2 for Dye-Dilution Testing Services, Applied Science, Inc. – Vincent Astorino	56
Motion: To approve Change Order #2 for \$50,000 to the Applied Science, Inc. contract for Dye-Dilution Testing.	
10. Change Order #3 for As-Needed Engineering Services – METCO – Vince Astorino	58
Motion: To approve Change Order #3 for \$75,000 to the METCO as-needed contract for flow control services.	

11. Consideration for approval of invoices (see attached)	60
12. Financial Report – Bruce Manning	61
13. 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 March 14, 2022, at 10:35 A.M.

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

ALSO PRESENT: Brian Baker, Chief Deputy; Steve Downing, Construction & Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Financial Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Sarah Wojdyla, Drain Account Specialist

PRESENT VIA TELECONFERENCE: Vince Astorino, Operations & Flow Manager

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

Adopted: YEAS: 3  
NAYS: 0

Minutes of the meeting of February 14, 2022 were presented. A motion was made by Mr. Santo, 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 the board on Segment 5. We completed the lower concrete structure. There was 360 tons of concrete placed in 3 hours. Approximately 6 trucks per hour and 18 trucks at 10 yards per truck for a total of 180 yards of concrete. There are 26 tons of steel and 360 tons of concrete in the lower portion of that structure.

Additionally, they have a separate crew working down at Hayes and Fontana. They have been power washing the 8 foot pipe between the two locations in preparation for the spray lining. They completed setting up the by-pass pumping which will be required to facilitate the spray lining. Schneider dropped the ball on ordering the material, as a result the project is running about 6 months late. The new completion date is December 11, 2022. Mr. Santo asked about the delay affecting the critical path on any additional costs or claims. Mr. Downing responded yes, saying that the liquidated damages are \$6,600 per day and would fall on the electrical contractor. He stated that he met with Oscar Renda and they are committed to making it right. Mr. Downing then showed pictures of the concrete being poured and the work being done on the site. He then showed a photo of the completion. Mr. Downing also added that there was a vehicle accident that ended up totaling Oscar Renda's vehicle that occurred at Segment 5 near Fontana. There were no injuries. There was a complaint that Oscar Renda had started working outside of permitted working hours to make up for time lost.



Mr. Downing then updated the board on Phase 2 grouting. The grouting is almost complete on Garfield between 21 and 22 mile road and they will begin to move south along Garfield. The budget is showing a negative remaining this month but a change order is on today's agenda for approval.

Mr. Downing updated on the Meter Facility Rehab. We are still waiting for some punch list items to be completed. No budget concerns and no progress right now. Mr. Baker asked if Weiss would be completing the drop shaft work and Mr. Downing said no, we would close that contract and bid that out.

Next was the Segment 6 update by Mr. Downing. Things were going very well and we had pushed 74 sticks, equivalent to a stick every 3 minutes. On the fourth day, we noticed some cracked joints. Upon inspection, it was noticed that there were 31 damaged joints, some full circumference and some delamination. The good news is that it can be repaired. We can grout the damage. On Thursday they stopped pushing pipe. They analyzed the damage and it is possible now that the shaft that is going into manhole 1 will have to be increased by size and depth to facilitate the last 26 sticks going in from that direction. This manhole is located at 15 mile and Garfield. Another option is to switch to 10 feet sticks. We have notified the insurance carrier for a potential claim. Ric-man and Hobas disagree about who is at fault for the damage to the Hobas. Mr. Santo questioned if there had been thought to a possible quality issue with the Hobas pipe while it was being made, prior to us even receiving it. Mr. Downing stated that it is possible with labor shortage issues right now and high demand for the product.

The Interceptor Inspection Program is moving forward per Mr. Downing. The MIDD Inspection is close to being done. There are a few cracks that need to be taken care of.

Mr. Baker spoke to the MIDD Report which was distributed to the 11 MIDD communities. We try to get it out at the same time that we set the budget and charges for transparency to the communities.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to receive and file the project updates by Mr. Downing for Segment 5 and Segment 6.

Adopted: YEAS: 3  
NAYS: 0

Mr. Baker updated on the fiscal year 2023 MIDD budget. He said page 41 talks about our budget being made up mainly of GLWA and OMID charges, our charges are about 1/3 of the cost. Overall it's a 2.9% proposed increase. GLWA is going up 3.5%, OMID is going up 3%, MCPWO is going up 1.8%. Mrs. Miller mentioned to keep in mind that for years the increases were between 10-15% every year. Part of GLWA's increase is because Highland Park is not paying their water bill at all. Mr. Baker said that we are proud that this is our third consecutive year under 3%. We sent out the proposed budget last week and have not heard anything back.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the 2022/2023 Macomb Interceptor Drainage District (MIDD) budget and charges.

Adopted: YEAS: 3  
NAYS: 0

Mr. Downing presented on the grouting change orders. We have a change order for Doetsch and AEW. We have been very happy with Doetsch's pricing and quality of work. We work with them on a number of projects. We are moving forward with them on grouting for Lakeshore and Garfield and



have increased the budget with Doetsch by \$3,000,000. We brought AEW in to facilitate the oversight on the project. We have exceeded both original contract amounts for Doetsch and AEW. The current budget allocation is \$3,525,000. Mr. Downing is recommending that the board adds \$3,000,000 to the Doetsch contract and \$300,000 to the AEW contract. That should give us another 12 months. We are inspecting, maintaining and stopping the leaks. Mr. Santo asked if it is time and material and Mr. Downing confirmed. Mr. Santo then asked about the pricing of material going up, what the current grout pricing is. Mr. Downing will ask about the unit price and get back to the board.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to approve the grouting Change Order #3 with Doetsch Environmental Services for \$3 million and Change Order #1 with AEW for \$300,000 for grouting engineering services.

Adopted: YEAS: 3  
NAYS: 0

Mr. Downing updated the board on OCIP for the Odor and Corrosion Project. He is asking for authorization for Commissioner Miller to bind liability coverage prior to the April board meeting if needed. Bids were originally due Thursday on the project, and only one contractor confirmed. We extended the bid by a week to at least get 2 good bids on this work.

A motion was made by Mr. Santo, supported by Mr. VanSyckel to authorize the Board Chair to bind the required coverages if required prior to April 2022 Board meeting.

Adopted: YEAS: 3  
NAYS: 0

Mr. Downing then updated the Board on the Drop Shaft Rehab Project. The initial contract value for Inland Waters was \$918,475 for the construction component.

Change Order #1 is for a deduction for work that was not utilized and we removed a 2-year warranty from the contract. Total deduct is for \$117,000.

Change Order #2 is additional costs items by the contractor. We reviewed the claim and some claims were warranted, some were denied. The total additional costs approved were \$64,740.39. We are still under on the construction budget.

Finally, the NTH Change Order #1 stems from the extended construction schedule and added scope during the design phase.

Mr. Downing recommended an approval from the Board for Change Order #1 & #2 for Inland Waters Pollution Control and Change Order #1 with NTH for a net increase of \$5,660.39.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the recommendation of Change Order No.1 for the net decrease of \$117,000 for Inland Waters.

Adopted: YEAS: 3  
NAYS: 0

A motion was made by Mr. Santo, supported by Mr. VanSyckel to approve the recommendation of Change Order No.2 for the increase of \$64,740.39 for additional costs to Inland Waters.

Adopted: YEAS: 3  
NAYS: 0

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the recommendation of Change Order No.1 for NTH for a net increase of \$57,920.00.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$1,470,945.74 to the board for review and approval.

A motion was made by Mr. Santo, supported by Mr. VanSyckel 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. Santo.

Adopted: YEAS: 3  
NAYS: 0

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

Adopted: YEAS: 3  
NAYS: 0

The meeting was adjourned at 11:54 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 taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on March 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.

  
\_\_\_\_\_  
Candice S. Miller, Chair  
Macomb County Public Works Commissioner

DATED: 03/14/22



**Mark A. Hackel**

County Executive

**Candice S. Miller**

Public Works Commissioner

March 29, 2022

Macomb County Leaders,

For the past ten years, the City of Highland Park has made only partial payments to the Great Lakes Water Authority (GLWA) for wholesale water and sewer charges. Last year they stopped making any payments. GLWA has passed this bad debt expense on to suburban member communities per past rate settlement agreements. Highland Park arrearages charged by GLWA to other communities cumulatively totals \$62.9 million through FY 2023, with Macomb's share at \$13.5 million.

Despite years of litigation, endless Highland Park appeals, and our past efforts to encourage the State to help mediate the issues and assist Highland Park, the unpaid balance only grows. It is unfair that others are forced to pay another community's unpaid charges. It is also unfortunate that Highland Park officials have put their community's residents in a position that a judgment against the City would likely force them into bankruptcy.

The State has some responsibility in this matter as the State requested temporary emergency water service for Highland Park ten years ago. Yet today the service continues without any payments. The State should have resolved these issues when it formed the GLWA and when it appointed and subsequently discontinued emergency management oversight of Highland Park.

Many of you have sent letters to the Governor's office and discussed this topic in your communities. The two of us have discussed a plan to best highlight our collective concerns and encourage and direct the State to help resolve these long-term issues:

- We plan to intervene in the ongoing litigation with the goal for the Court to persuade the State to enter mediation and find a long-term solution for all parties.
- Several Macomb communities are considering withholding payment to the GLWA for the additional Highland Park charges included in the FY 2023 charges effective July 1, 2022 totaling \$1.6 million. Currently, we are not seeking the return of the remaining \$11.9 million already paid by Macomb communities over the past 10 years.
- The withheld amounts will be held in escrow by the communities until the State comes to the table and the matter is resolved.
- We plan to hold a press conference tomorrow, Wednesday, March 30 at 11:00 AM in the lobby of the County Administration Building to highlight the issues and to request the State's immediate involvement. We encourage you to join us for that media briefing.



While it is unlikely that we will be able to recover the entire amounts paid, we need to reach a long-term solution for all parties.

We look forward to your participation in tomorrow's event. In the meantime, if you have any questions please feel free to contact us at any time.

Sincerely,



Mark A. Hackel  
Macomb County Executive



Candice S. Miller  
Macomb County Public Works Commissioner

Attachment

**Highland Park Unpaid Bills  
Charged to Macomb Communities  
Effective July 1, 2022 (FY 2023)**

<b>Community</b>	<b>Water</b>	<b>Sewer</b>	<b>Total</b>
Bruce Township	\$1,200		\$1,200
Center Line	1,700	20,900	22,600
Chesterfield Township	15,300	70,100	85,400
Clinton Township	26,800	200,370	227,170
Eastpointe	5,500	116,610	122,110
Fraser	4,300	39,360	43,660
Harrison Township	5,800	59,940	65,740
Lenox Township	1,000	10,560	11,560
Macomb Township	44,700	132,820	177,520
New Haven Village	1,300	7,800	9,100
Romeo	900		900
Roseville	9,500	126,520	136,020
Shelby Township	51,100	92,490	143,590
St. Clair Shores	11,000	153,730	164,730
Sterling Heights	54,800	289,810	344,610
Utica	2,000	15,270	17,270
Warren	36,500		36,500
Washington Township	8,300	26,070	34,370
<b>TOTAL</b>	<b>\$281,700</b>	<b>\$1,362,350</b>	<b>\$1,644,050</b>

**Total Highland Park Unpaid Bills  
Charged to Macomb Communities  
Through FY 2023 (10 years)**

<b>Community</b>	<b>Water</b>	<b>Sewer</b>	<b>Total</b>
Bruce Township	\$11,000		\$11,000
Center Line	16,600	174,500	191,100
Chesterfield Township	150,900	506,100	657,000
Clinton Township	271,400	1,471,800	1,743,200
Eastpointe	54,600	1,073,800	1,128,400
Fraser	43,100	285,200	328,300
Harrison Township	56,700	442,800	499,500
Lenox Township	9,900	73,400	83,300
Macomb Township	443,600	960,300	1,403,900
New Haven Village	13,400	57,000	70,400
Romeo	9,000		9,000
Roseville	94,400	1,165,000	1,259,400
Shelby Township	508,300	674,000	1,182,300
St. Clair Shores	108,600	1,415,600	1,524,200
Sterling Heights	544,300	2,122,900	2,667,200
Utica	20,000	112,100	132,100
Warren	365,300		365,300
Washington Township	82,200	189,300	271,500
<b>TOTAL</b>	<b>\$2,803,300</b>	<b>\$10,723,800</b>	<b>\$13,527,100</b>

# GLWA faces mutiny in western Wayne County over disputed Highland Park debt

**James David Dickson**

The Detroit News

*Highland Park* — Eighteen communities in western Wayne County have declared they intend to withhold a portion of their water and sewer bills tied to \$54 million in disputed Highland Park debt, a development one expert said could hurt the Great Lakes Water Authority with lenders.

A conference representing the western Wayne communities voted in favor of a resolution on March 11 to withhold the money after the Great Lake Water Authority earlier in the month sent letters to the leaders of its 87 other customer communities, who are being asked to pick up the arrearage. Almost half of the GLWA's 2.4% sewage rate hike is tied to Highland Park's unpaid bills and is being passed on to the authority's remaining member communities when it goes into effect July 1.

Highland Park said it does not owe any money and is due \$1 million, citing a 2021 Wayne County Circuit Court ruling. The Great Lakes Water Authority late last year sued Highland Park in the Michigan Court of Claims over the funds, but the case has been paused.

The 18-community Conference of Western Wayne has contributed about \$15 million to the bad debt, or 27%, an amount that is expected to grow to \$16.4 million by July 2023, according to the conference's resolution. The communities are shouldering almost three-quarters of Wayne County's \$19.9 million contribution to paying off Highland Park's unpaid bills.

The conference hopes each community's government will back the resolution and hold back the debt payments, said Jordyn Sellek, executive director of the Conference of Western Wayne.

The Plymouth Township Board of Trustees voted last week to withhold and place in escrow the portion of its GLWA bill related to Highland Park's debt until the matter is resolved, Plymouth Township Supervisor Kurt Heise said.

"I'm not happy with the fact that the communities have been kept in the dark on this, possibly going back 10 years now," Heise said. "That's not acceptable. That's not transparent at all."

The western Wayne funds, if all withheld and placed in escrow, would account for about 1.1% of the authority's system wide water and sewer charges, GLWA interim Chief Executive Officer Suzanne Coffey said in a statement. The fiscal year doesn't begin for three months or until July 1, she said.

The regional water authority sent the letter asking communities to push the state government to resolve the Highland Park matter. The Conference of Western Wayne's response was unique.



The South Oakland County Water Authority sent a March 11 letter to Gov. Gretchen Whitmer that was more in line with what GLWA sought from its member communities. The South Oakland authority argued that "the state of Michigan is completely responsible for creating this situation" and should "immediately reimburse" GLWA to resolve it.

The Great Lakes authority's leader downplayed the difference between the two approaches, saying both approaches ultimately seek a resolution.

"Our understanding of the goal of the Conference of Western Wayne is to drive engagement by the state, with other responsible parties, to the table in order to resolve this matter that continues to impact the region," Coffey said. "Accordingly, the focus is on resolving the matter this year so that it is not an issue in future years."

But the potential mutiny could affect the Detroit regional water authority's perception with lenders, said Greg Miller, chair of the accounting program at the University of Michigan's Ross School of Business.

"If you were going to lend them money, and you say, 'Well, when these big things happen, their customer base doesn't pay for it,' the people who lend money take that into account," Miller said.

"That money's gone. A customer didn't pay for it," he said. "And so now the question is, who bears the cost?"

"That's the kind of thing credit rating agencies would be concerned with," Miller said. When a credit rating agency downgrades a government or authority's credit rating, it increases the cost to borrow money.

## **How mutiny began**

Highland Park's debt issue might have gone unnoticed if the water authority hadn't sent the letter, community leaders said.

As the Great Lakes Water Authority briefing to the western Wayne leaders explained, "If one community does not pay for their allocated cost of service, this creates a bad debt. The bad debt expense is then allocated to the other communities in future years."

*The GLWA letter argued communities should urge Whitmer, a Democrat, to bring the parties to the table and resolve the debt. The letter was the idea of Brian Baker, who represents Macomb County on the GLWA board and chairs its finance committee.*

*"It was Macomb's idea to let the communities know the dollar amount for each community," Baker said. "And for a letter to be prepared, that the communities could send to the state, asking for the state's involvement in helping resolve this issue."*

The letter listed each of the community's payments so far for Highland Park's debt.

Dearborn tops the list, paying \$3.6 million, followed by Livonia's \$378,400, Canton Township's \$330,000 and Westland's \$197,700. Western Wayne's smaller communities are paying anywhere from Belleville's \$10,200 to Plymouth's \$34,700 to Garden City's \$53,600.

At least 14 communities use the Wayne County **Rouge Valley system**, one of the sewer operators in the region that has paid \$8.9 million so far toward Highland Park's unpaid bills, according to the GLWA letter.

The letter-listed amounts so far by community:

- Belleville: \$10,200
- Canton Township: \$330,000
- Dearborn: \$3,640,900
- Dearborn Heights: \$116,900
- Garden City: \$53,600
- Huron Township: \$47,500
- Inkster: \$42,700
- Livonia: \$378,400
- Northville: \$25,200
- Northville Township: \$180,900
- Plymouth: \$34,700
- Plymouth Township: \$143,200
- Redford Township: \$132,500

- Romulus: \$134,300
- Sumpter Township: \$21,500
- Van Buren Township: \$110,600
- City of Wayne: \$99,900
- Westland: \$197,700

The letter prompted the Conference of Western Wayne, "the governing voice of 700,000 residents," to study the issue further.

"The communities had no idea that they were even paying towards this until we got these letters," the conference's Sellek said. "And then we started doing some digging and found out more of the background and how much we had already paid."

## **State 'encourages' resolution**

Although the state of Michigan required Highland Park to start using Detroit water in November 2012, after years of issues with cloudy water from Highland Park's own water plant, it has been reluctant to force a resolution to the debt issue, even while acknowledging one is needed.

The Highland Park debt was a sticking point in the formation of the Great Lakes Water Authority, which began operation in 2016.

In May 2015, when Highland Park's unpaid bills were about half what they are now at \$26.5 million, Republican Gov. Rick Snyder told reporters at the Mackinac Policy Conference that "there will be some



good, healthy discussions to come up with a resolution in a week or two."

But no resolution ever came.

Oakland County Water Commissioner Jim Nash said: "We can't keep going like this."

"We really need the state to step in," Nash said. "It's something that we just need to take care of, and they're (Highland Park) not in any more of a position to do it than we are. The state ordered it. We need to have the state respond to this, in my mind."

But a March 2 letter from Michigan's Department of the Treasury to Highland Park Mayor Hubert Yopp the GLWA's Coffey reminded both parties that the issue is subject to litigation.

"This issue and other associated issues remain the subject of ongoing litigation between GLWA and Highland Park, including litigation in which GLWA has named the State of Michigan as a defendant," wrote Larry Steckelberg of the Department of Treasury's Community Services Division.

Steckelberg offered encouragement but no solution: "In light of the pending litigation between GLWA and Highland Park, and for the mutual benefit of both parties, the State of Michigan encourages GLWA and Highland Park to work collaboratively towards a mutually agreeable resolution to these complex disputes."

Whitmer's office sounded a similar note. Spokesman Bobby Leddy said **in a statement that "it's important that the parties involved work together to find a resolution to this situation as quickly as possible."**

## **Highland Park wants independence**

Highland Park has asked for state action of its own.

In a 5-0 vote at its March 21 meeting, Highland Park City Council passed a resolution "requesting state regulation and oversight" of the Great Lakes Water Authority.

City Administrator Cathy Square said there is no debt, except the \$1 million it was granted from the city of Detroit in a 2020 mediation. Detroit has not paid that judgment, Square said.



**Candice S. Miller**

Public Works Commissioner  
Macomb County

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

**CC:** File

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

**Date:** April 11, 2022

**Subject:** Construction Projects Status Updates for April 2022 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.

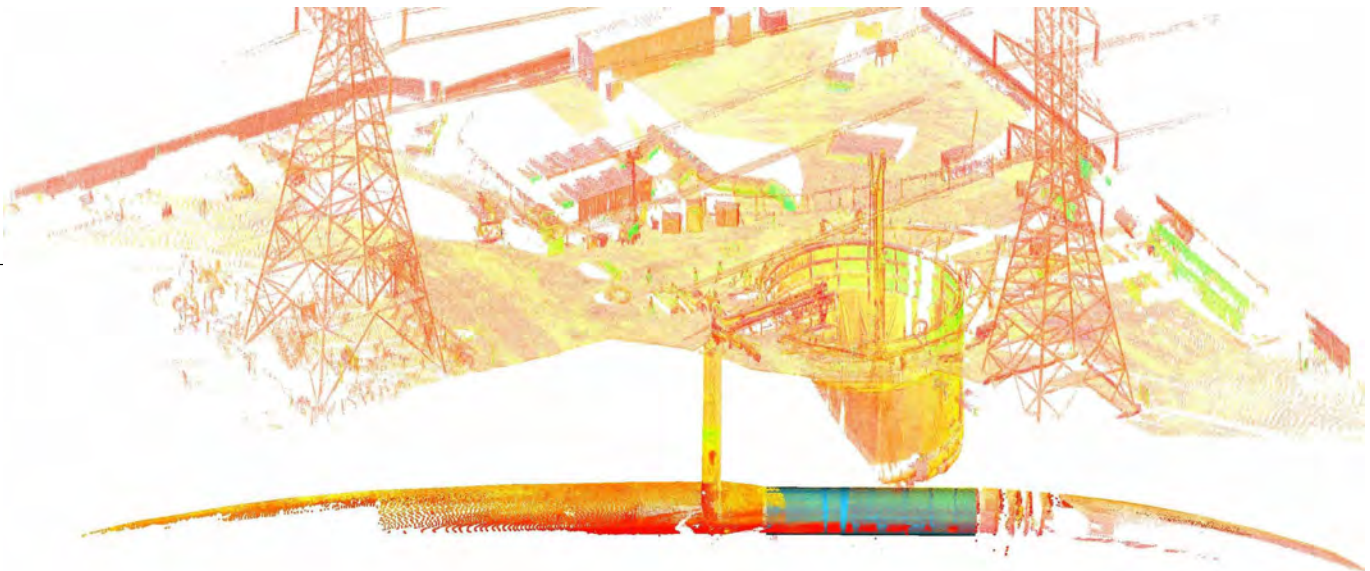
### **Significant project tasks that have occurred over the past month:**

1. Continued development, review, and approval of the required construction submittals.
2. Ground dewatering well maintenance and monitoring.
3. Continued preparation work prior to starting the spray-lining activity between Fontana and Hayes, including:
  - a. Continued power washing the Interceptor in preparation for spray-lining activities.

- b. Completed construction and testing of the temporary by-pass pumping operation at 15 Mile & Hayes.
- 4. Continued construction of the CS-12 permanent structure, which includes:
  - a. Rebar installation
  - b. Concrete formwork

**Construction Costs:**

	Date (if applicable)	
Original Contract Amount	10/21/2020	\$28,807,500.00
Current Contract Amount	3/30/2022	\$30,672,248.32
Total Spent to Date	3/30/2022	\$11,494,414.11
Remaining Budget	3/30/2022	\$19,177,834.21



*Figure 1 - 3D View*





*Figure 2 – View within the 11-Foot Interceptor during Dewatering*



*Figure 3 – Pushing Debris with Air Lancing from within the 8-Foot Interceptor*





*Figure 5 – CS-12 Column Steel Rebar*



*Figure 6 – Drop Pipe at Southwest Corner of CS-12*





*Figure 7 – Installing Formwork around the Interceptor for the CS-12 Finish Structure*

## 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 crew continued work in the Garfield Interceptor between M-59 and 21 Mile.
2. Based on recent grout quantities this current location we met with Doetsch and AEW to evaluate if a change in grout type in this area is warranted. There are two main reasons for this consideration:
  - a. Quantity of grout injected
  - b. Increase in the quantity of infiltration locations
  - c. A review of the historical documents for this area is being conducted prior to making any changes.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	6/24/2020	\$3,000,000.00
Change Order No. 1	3/14/2022	\$3,000,000.00
Current Contract Amount	3/14/2022	\$6,000,000.00
Total Spent to Date	3/26/2022	\$3,640,392.00
Remaining Budget	3/26/2022	\$2,359,608.00



*Figure 8 - Typical Infiltration in this Area*





*Figure 9 - Typical Infiltration in this Area*



## Meter Facility Rehabilitation

**Contractor:** Weiss Construction

**Engineering Consultant:** HRC

### **Project Description:**

The project includes the rehabilitation of three sewerage meter facilities; work includes removal and application of concrete surface repairs and protective coatings, televising, cleaning, and spray-lining the existing influent and effluent connecting sewers; rehabilitation existing adjacent sanitary manholes; improving access and safety features for maintenance personnel; and replacing existing electrical systems.

The sites, SY-S-1 and SY-S-2 are in Shelby Township and WA-S-1 is in Washington Township. The meter facilities are the point of transition of sewerage flow from the local systems into the MIDDD Interceptors. Each of the metering facilities provides the critical flow data required to allocate the billing apportionment for each of the MIDDD member communities.

The Shelby Township meter facilities, originally constructed by DWSD, have reached the end of their useful life and are need of rehabilitation. The MCPWO previously rehabilitated several of the older metering facilities in the system, which were also constructed by DWSD.

The Washington Township meter facility is currently owned by Washington Township, which is a unique situation in the MIDDD system. Typically, the MIDDD assumes ownership of the billing meter facilities, which includes operation and maintenance activity. As such, the MCPWO negotiated a transfer agreement with Washington Township to transfer ownership of this asset to the MIDDD. The two entities agreed to equitable cost sharing terms within the agreement.

The project was designed by Hubbell, Roth and Clark and the construction contract was awarded to Weiss Construction. The total construction cost for the project is \$857,159.00. The work started in April 2021.

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

1. The Contractor is finalizing the closeout documents.
2. The Owner, Engineer & Contractor conducted the punch list walk-through, the Contractor is performing the required work to fulfill the punch list.
3. The final balancing change order will be finalized pending completion of the remaining punch-list items.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	12/3/2020	\$857,159.00
Current Contract Amount	3/30/2022	\$863,168.85
Total Spent to Date	3/30/2022	\$770,291.64
Remaining Budget	3/30/2022	\$92,877.21

## 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 H<sub>2</sub>S 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 is scheduled to start in August 2021 and be completed in March 2023.

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

1. The Contractor continues to develop and submit the required submittals to the Engineer & Owner for review.
2. Completed construction of the jacking frame to facilitate the HOBAS slip lining operation.
3. Installation of the HOBAS pipe was halted on March 9, 2022 after damage of multiple joints was observed.
  - a. A complete investigation is being performed to identify the cause of the damaged joints, which includes:
    - i. Manned entry inspection
    - ii. Videographic inspection and documentation
    - iii. 3-D Scan of the damaged pipe
  - b. There are 68 sections of pipe installed.
  - c. There are 37 joints that require repair.
  - d. The manufacturer has provided the repair details to Ric-Man.
4. The project team is working on a recovery plan to continue moving the project forward.
5. A Builder's Risk Claim has been initiated by the Owner to determine if a claim condition exists.

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 Spent to Date	3/30/2022	\$3,108,541.64
Remaining Budget	3/30/2022	\$10,565,668.06



Figure 10 – Drilling the Grouting Drop Ports





*Figure 11 - Drop Grout Port*



*Figure 12 – Unloading HOBAS from Delivery Truck*





Figure 13 – Damaged HOBAS Joint



Figure 14 - Damaged HOBAS Joint





*Figure 15 - Severely Damaged HOBAS Joint*



*Figure 16 - Severely Damaged HOBAS Joint*



## Interceptor Inspection Program

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

**Engineering Consultant:** Fishbeck

### **Project Description:**

The 2020 sewer inspection program was awarded to Doetsch Environmental Services in November 2020. The inspection program includes inspection of approximately 26 miles of sanitary sewer, 360 manholes and other aspects of the sanitary sewage infrastructure across multiple drainage districts, including the MIDDD.

The MIDDD portion of the inspection program includes 101,335 linear feet (19.25 miles) of pipe ranging in diameter from 24" to 132" and 145 manhole structures. Additionally, inspection of 8 junction chambers and 8 Drop Shaft/Connecting sewers will be performed.

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. The 2020 inspection program is the largest ever performed by the Macomb County Public Works Office. The project started in May 2021 and is expected to be completed in May of 2022.

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

1. The Contractor did not submit a pay application for the months of December, January, February or March.
2. The Contractor has approximately 1000LF of the Romeo Arm Interceptor to inspect.
3. The Consultant is reviewing the data and preparing inspection reports.
4. There have been no significant areas of concern observed thus far.
5. The Owner's Representatives, Engineering Consultant and Contractor are working to coordinate completion of the remaining areas to be inspected.

### **Construction Costs:**

	Date (if applicable)	
Original Contract Amount	1/19/2021	\$280,034.00
Total Spent to Date	11/1/2021	\$62,703.85
Remaining Budget	11/1/2021	\$217,330.15

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



# NICKEL & SAPH, INC.

INSURANCE SINCE 1929

MAILING ADDRESS:

P.O. BOX 46907  
MT. CLEMENS, MI 48046-6907

OFFICE ADDRESS:

44 MACOMB PLACE  
MT. CLEMENS, MI 48043  
(586) 463-4573 • (810) 765-8887  
1-800-657-7373 • FAX: (586) 463-3135  
www.nickelsaph.com

March 29, 2022

Mr. Brian Baker  
Macomb County Intra-County Drains &  
Drainage Districts  
21777 Dunham Road  
Clinton Twp., MI 48036

Dear Mr. Baker:

Please accept the following renewal proposal of certain liability coverages secured for the Intra-County drains and drainage districts.

Carrier: Argonaut Insurance Company  
A. M. Best Rating: A- XIV, Stable. Admitted by the State of Michigan.

**General Liability**

Aggregate Limit: \$2,000,000  
Occurrence Limit: \$1,000,000  
Personal and Advertising Injury: \$1,000,000  
Products/Completed Operations Aggregate: \$2,000,000  
Deductible per Occurrence: \$100,000

**Automobile Liability**

Occurrence Limit: \$1,000,000  
Deductible: \$100,000

Coverage is afforded for non-owned and rented autos only. No aggregate limitation applies.

**Public Officials' Liability**

Aggregate Limit: \$2,000,000  
Per Wrongful Act Limit: \$1,000,000  
Deductible each Wrongful Act: \$100,000  
Claims Made Policy Form  
Prior Acts/Retroactive Date: April 26, 2021

**Excess Liability**

Each Occurrence or Wrongful Act:	\$10,000,000
Annual Aggregate:	\$10,000,000
Annual Premium:	\$205,191
Optional Terrorism Risk Insurance:	\$5,422
<b>Total Annual Premium:</b>	<b>\$210,613</b>

The expiring annual premium was \$197,864. The renewal offering has increased \$12,749 or 6.44%. Last year, Terrorism Risk Insurance was included (optional coverage). Premium is not subject to annual audit.

We have deleted the Sprenger drain (#0120, located in Warren).

Afforded liability limits are separate from each other. Payment of claims for one line of coverage will not affect or reduce the limits dedicated to the remaining lines of coverage. Please refer to policy forms for terms, definitions, conditions, and exclusions.

The deductibles apply to both the payment of claim adjustment expenses and third-party damage payments. Once the deductible is exhausted, the specific limit is dedicated to the payment of third-party damages alone; claim expenses are outside of the afforded limits. Argonaut requires the continued third-party administrator (TPA) relationship with the ASU Group or other approved TPA.

Argonaut has included their proprietary "360" endorsement which adds the following coverage enhancements to the General Liability: Blanket Additional Insured (when required by written contract, agreement, or permit). Broadcasting, Publishing, and Telecasting offenses are covered under Personal Injury. By separate endorsement, Limited Pollution Liability Coverage (extended for Property Damage under the General Liability policy) is added for the reverse flow of sewage (endorsement GL-210 [07/00]).

As with the expiring contract, Argonaut is offering: 1) a traditional underlying and excess policy format. No impact on the afforded coverages: same carriers (underlying and excess), same claims and underwriting staff, and same occurrence limit of liability - \$11,000,000. 2) Covered claims are subject to a \$100,000 deductible. 3) The Public Officials' liability coverage is offered on a Claims Made policy form in lieu of an Occurrence form. A retroactive date of April 26, 2021 will apply to covered claims. 4) The excess liability policy does not afford excess automobile liability coverage; the proposed policy affords \$1,000,000 Hired & Non-owned Automobile Liability. The coverage is afforded by way of a Combined (Bodily Injury and Property Damage) Single Limit formant (as before). The afforded limit is provided per Occurrence with no aggregate restrictions (again, same as before). 5) The combined aggregate limit of liability for covered General Liability and Public Officials' Liability claims is \$11,000,000.

In addition to securing the afforded liability coverages, we continue to monitor additions or improvements to the districts' physical assets. We have been advised that no measurable changes occurred over the past year. You will recall that all property insurance is secure under Macomb County's property insurance policy.

Please review this information and contact me with any questions or concerns. I plan to attend the meeting on Monday, April 11, 2022. Thank you.

Sincerely,

A handwritten signature in blue ink, appearing to read "Stephen R. Saph, Jr.", written in a cursive style.

Stephen R. Saph, Jr., LIC  
Agent

Enclosure



Chapter 20  
Insurance Cost Breakdown  
April 26, 2022 Renewal

DRAIN NAME	2022 PERCENT	PORTION OF INSURANCE
Eight Half Mile Relief	5.182%	\$ 10,913.97
Martin Sanitary Diversion	0.903%	\$ 1,901.84
MIDDD	93.915%	\$ 197,797.20

Insurance bill	\$ 210,613.00
----------------	---------------

\*\*\* After an analysis of the 2021 expenses, other drain's portions were minimal and insignificant

MIDDD Costs	
Liability	\$ 197,797.20
Third-Party Administrator	\$ 1,500.00
Underground Infrastructure	<u>\$ 19,000.00</u>
MIDDD Total Cost	\$ 218,297.20



Insurance Proposal  
for  
Macomb County Intra County Drain and Drainage,  
Michigan

EFFECTIVE DATE  
**04/26/2022 – 04/26/2023**

Coverage Offered Through:



PRESENTED BY:



## GENERAL LIABILITY

Occurrence Form

### Standard Coverage

	<u>Limit</u>
Bodily Injury/Property Damage	1,000,000
Personal Injury/Advertising Injury	1,000,000
Damages to premises rented to you	100,000
Employee Benefits (\$1,000 deductible applies)	1,000,000
General Aggregate	2,000,000
Products/Completed Operations Aggregate	2,000,000
Deductible Per Occurrence (Expenses included within retention)	100,000

### Miscellaneous

#### Description

	<u>Limit</u>	<u>Deductible</u>
Unmanned Aircraft Under 25 Pounds	25,000	100,000
Limited Pollution Liability Coverage (Chemical Spraying, Water, and Sewer)	Included	100,000

### General Liability P.E. 2

	<u>Limit</u>	<u>Deductible</u>
Public Water Utility	Included	100,000
Sewer System	Included	100,000

## **PUBLIC OFFICIALS' LIABILITY**

Claims Made Form

### **Standard Coverage**

	<b><u>Limit</u></b>
Per Wrongful Act	1,000,000
Annual Aggregate	2,000,000
Employment Related Wrongful Acts	Excluded
Deductible Each Wrongful Act (Expenses included within retention)	100,000
Prior Acts/Retroactive Date	04/26/2021

### **Additional Coverages**

Non-Monetary Defense Per Wrongful Act	10,000
Non-Monetary Defense Annual Aggregate	50,000

### **Public Officials P.E. 2**

	<b><u>Limit</u></b>	<b><u>Deductible</u></b>
Public Water Utility	Included	100,000
Sewer System	Included	100,000



## AUTO LIABILITY

### Standard Coverage

Liability Limit

Limit

1,000,000

Units

0

Symbol

8, 9

Deductible

100,000

Uninsured Motorist

Rejected

Underinsured Motorist

Rejected

**EXCESS LIABILITY**

**Standard Coverage**

Each Occurrence, Offense, Accident, or Wrongful Act  
Annual Aggregate

**Limit**  
10,000,000  
10,000,000

***Underlying Insurance***

General Liability  
Public Officials' Liability

1,000,000  
1,000,000

The following is a price breakdown for this quotation:  
Option 1

<u>Coverage</u>	<u>Subtotal</u>	<u>TRIA</u>	<u>Total Premium</u>
General Liability	144,933	4,348	149,281
Public Officials' Liability	24,342		24,342
Auto Liability	100		100
Excess Liability	35,816	1,074	36,890
<b>Total</b>	<b>\$205,191</b>	<b>\$5,422</b>	<b>\$210,613</b>

# Risk Control Services Proposal For Macomb County Intra County Drain and Drainage

The Breadon Group in partnership with Trident Public Risk Solutions' Risk Control division works to provide our customers with cost-effective, Risk-Management-driven solutions to minimize exposure to losses. Since our business focus is on the public sector, we have the unique background to work with our customers, bringing in a wealth of experience in risk control for public entities throughout the country.

Our staff has extensive expertise in providing Risk Control services to our public entity customers. In addition, we have also assembled a network of industry experts and partners to assist in the delivery of services and specialized consulting. Coordinated through our corporate offices, this broad-based team can deliver timely world-class Risk Control services that are targeted to achieve effective results.

## Trident Risk Control Website

Trident Risk Control offers an easy-to-navigate, fully searchable website with an array of resources to assist you in your program development and implementation. Resources available on the site include:

- **White papers** on topics such as:
  - Law Enforcement Liability
  - Playground Safety
  - Self-Inspection Check Lists
  - Management Operational Guides
  - Catastrophe Planning
  - Many others
- **Important links** to web resources
- Information on our **FREE web-based training** classes, with over 200 courses available
- **Partner resources**
- **Ask-the-Risk -Manager** portal with 24-hour turnaround time for risk control questions
- **E-Newsletter** archive

Visit the website at <https://www.argolimited.com/pages/argo-group-home/our-brands/trident/risk-control>

## Risk Control Services

The Breadon Group in partnership with Trident Risk Control also makes a wide variety of services available to you to assist in the development of your risk management program. The following services can be accessed by a request to your agent or through contacting us at: [asktheriskmanager@tridentpublicrisk.com](mailto:asktheriskmanager@tridentpublicrisk.com).

### **Risk Management Consultation**

If you have risk management questions, Trident's Risk Control Group has the answers, tools, or resources that you need. Sending us a question through our [Ask-the-Risk Manager portal](#) on our website or emailing us directly at [asktheriskmanager@tridentpublicrisk.com](mailto:asktheriskmanager@tridentpublicrisk.com). Our **24-Hour pledge** to you is to provide you help within one business day – but it is usually a lot faster. We are here to help!

### **Risk Control e-Newsletters and Special Bulletins**

Trident Risk Control produces monthly newsletters with topics of interest and timely special bulletins for the many diverse departments at your organization. Subscribe and pass on to others, or supply us with a list of employee emails and we'll add everyone on your list to the distribution.

### **Model Law Enforcement and Detention Center Policies and Procedures**

Trident partners with world-class law enforcement consultant [OSS Law Enforcement Advisors](#) to provide free model policies for use by law enforcement and detention center representatives. When the Supreme Court provides new rulings that affect law enforcement and detention center operations, your policies will need to be altered to comply with the new rulings—and Trident can provide them.

### **Discounted Property Appraisals**

Having correct property valuations is important to any risk management program to ensure that, if disaster strikes, a structure to be replaced is valued properly. We offer discounted property appraisals for the locations that you select through our partner, [HCA Asset Management](#). We will coordinate with HCA to ensure that the appraisal services are delivered in a timely manner.

### **Systems Optimization and Maintenance**

Saving money, reducing maintenance, and reducing equipment risk factors are important considerations for any organization. Through our partner, [Hartford Steam Boiler](#), we make available a number of tools, including maintenance suggestions and optimization calculators, to your maintenance and engineering staff. The tools can be accessed through our Partner Resources Portal on our website.

### **Online Training**

Sometimes it is difficult to locate the specialized training that you need for your organization's staff. Trident Risk Control Services has over [200 training courses](#) available online to help you meet that need. Our partner, LocalGovU, has worked with us to develop topics specifically for governmental entities.



**Loss Analysis:** Understanding how to efficiently deploy your loss prevention efforts includes looking at elements such as number of claims, types, and department(s) in which they occur. Trident's Loss Analysis will provide a five-year look back, breaking down the losses to give you a clear picture of not only where they are occurring, but also causal factors. Simply contact your agent, Risk Control representative, or request a copy through: [asktheriskmanager@tridentinsurance.net](mailto:asktheriskmanager@tridentinsurance.net).

**Program Development:** One of your entity's more challenging tasks to undertake is creating or modifying a program. We can help through sample programs and sound advice on how to implement those programs across the diverse departments with which you work.



**GENERAL CONDITIONS**

This proposal is based on information provided to The Breadon Group, LLC by the Agent.

The quotation in this proposal does not necessarily match the coverages or limits requested in the bid specifications and/or application. No warranty is made or implied with respect to the total compliance to bid specifications or applications.

Each individual policy contains the actual terms, conditions and exclusions. This proposal highlights certain features and benefits of the Trident program.

**ADDITIONAL INFORMATION REQUIRED AT BINDING**

Signed TRIA Form.

## POLICYHOLDER DISCLOSURE NOTICE OF TERRORISM INSURANCE COVERAGE

You are hereby notified that under the Terrorism Risk Insurance Act, as amended, you have a right to purchase insurance coverage for losses resulting from acts of terrorism. As *defined in Section 102(1) of the Act*: The term "act of terrorism" means any act or acts that are certified by the Secretary of the Treasury-in consultation with the Secretary of Homeland Security, and the Attorney General of the United States-to be an act of terrorism; to be a violent act or an act that is dangerous to human life, property, or infrastructure; to have resulted in damage within the United States, or outside the United States in the case of certain air carriers or vessels or the premises of a United States mission; and to have been committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

YOU SHOULD KNOW THAT WHERE COVERAGE IS PROVIDED BY THIS POLICY FOR LOSSES RESULTING FROM CERTIFIED ACTS OF TERRORISM, SUCH LOSSES MAY BE PARTIALLY REIMBURSED BY THE UNITED STATES GOVERNMENT UNDER A FORMULA ESTABLISHED BY FEDERAL LAW. HOWEVER, YOUR POLICY MAY CONTAIN OTHER EXCLUSIONS WHICH MIGHT AFFECT YOUR COVERAGE, SUCH AS AN EXCLUSION FOR NUCLEAR EVENTS. UNDER THE FORMULA, THE UNITED STATES GOVERNMENT GENERALLY REIMBURSES 80% OF COVERED TERRORISM LOSSES EXCEEDING THE STATUTORILY ESTABLISHED DEDUCTIBLE PAID BY THE INSURANCE COMPANY PROVIDING THE COVERAGE. THE PREMIUM CHARGED FOR THIS COVERAGE IS PROVIDED BELOW AND DOES NOT INCLUDE ANY CHARGES FOR THE PORTION OF LOSS COVERED BY THE FEDERAL GOVERNMENT UNDER THE ACT.

YOU SHOULD ALSO KNOW THAT THE TERRORISM RISK INSURANCE ACT, AS AMENDED, CONTAINS A \$100 BILLION CAP THAT LIMITS U.S. GOVERNMENT REIMBURSEMENT AS WELL AS INSURERS' LIABILITY FOR LOSSES RESULTING FROM CERTIFIED ACTS OF TERRORISM WHEN THE AMOUNT OF SUCH LOSSES IN ANY ONE CALENDAR YEAR EXCEEDS \$100 BILLION. IF THE AGGREGATE INSURED LOSSES FOR ALL INSURERS EXCEED \$100 BILLION, YOUR COVERAGE MAY BE REDUCED.

The prospective premium for certified acts of terrorism coverage is **\$ 5,422**

Please tell your insurance agent or broker whether you accept or reject certified acts of terrorism coverage.

### Acceptance or Rejection of Terrorism Insurance Coverage

<input type="checkbox"/>	Accept - I hereby elect to purchase terrorism coverage
<input type="checkbox"/>	Reject - I hereby decline to purchase terrorism coverage

\_\_\_\_\_  
Policyholder/Applicant's Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: Macomb Interceptor Drain District Board Members

From: Stephen Downing, Construction & Maintenance Manager

Date: April 11, 2022

Subject: Odor & Corrosion Bid Results

The Macomb County Public Works Office solicited bids for the construction of Odor and Corrosion Control Facilities from February 1, 2022 through March 24, 2022. There was one bid submitted by the 2:00PM deadline on March 24, 2022. The sole bid, from Lasalle Construction, Inc. was for the lump sum amount of \$13,418,000. The Engineer's Opinion of Probable Cost is \$11,155,000, which includes a 15% contingency.

There are several factors that resulted in receiving only one bid, which include:

- A second bidder was several minutes late for the bid opening
- Contractors are extremely busy in the current market
- Contractors are lacking manpower to take on additional projects
- Supply chain issues

In addition to only receiving one bid, the bid is nearly 20% higher than the Engineers Opinion of Probable Cost. The likely cause of this is a combination of market volatility, manpower, availability of resources, just to name a few. The lead design Engineer, Tetra Tech, has observed similar results on bid openings for other clients recently.

The mandatory pre-bid meeting for this project attracted 10 general contractors that were initially interested in bidding this work. The lack of bidders appears to be based on their current project load, several indicating they didn't have the capacity to take on additional work of this size and scope.

The recommendation is to reject the bid received from Lasalle Construction Inc, and re-issue the project for bids at a later date in effort to attract more bidders in a more favorable market.

**The action is that the Board reject the bid received from Lasalle Construction, Inc. and authorize the re-bidding of this project.**

Attachments: NONE

**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



**Candice S. Miller**

Public Works Commissioner  
Macomb County

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

**CC: FILE**

**From: Vincent Astorino, Operations & Flow Manager**

**Date: April 5, 2022**

**Subject: Change Order #2 Approval Request for Dye-Dilution Testing Services – Applied Science, Inc.**

The 2017/2018 Macomb Interceptor Drain Drainage District (MIDDD) budget allocated \$100,000 for Dye-Dilution Testing Services. A competitive bid was issued on MITN for consultants to submit a Statement of Qualifications and Rate Schedule, only one bid was received. The Board approved the recommendation to award Applied Science, Inc., with a budget of \$100,000.

In December, 2017 the MIDDD entered into an agreement with Applied Science, Inc. Since that time, Applied Science, Inc. has successfully provided the requested Dye-Dilution Testing at MIDDD facilities. Dye-Dilution Testing is a means of verifying community billing meters. These tests ensure that each flow meter in the MIDDD is reporting accurate flow rates and volumes.

In December, 2020 the MIDDD approved Change Order #1 in the amount of \$100,000. Funding is still good within that contract but with the addition of two new billing meter sites (SY-S-2 and WA-S-1) and one rehabilitation (SY-S-1), extensive dye testing will be required to fully certify those sites. Due to the increase in sites and projecting to run out of funds before the end of the next fiscal year the 2022/2023 MIDDD budget allocated \$50,000 for Dye-Dilution Testing Services.

MCPWO is requesting to execute Change Order #2 which will allocate \$50,000 in additional funds to the ASI contract. This will extend their services through the next fiscal year and handle the additional dye testing required at the new billing sites.

A draft copy of this change order has been attached for reference. On behalf of the MCPWO Engineering staff please approve this request to allocate \$50,000 as Change Order No. 2 to the Applied Science, Inc. Dye-Dilution Testing contract.

**Attachments: Draft Change Order No. 2**

**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



		<b>Change Order</b>	02
Date of Issuance:	4/11/22	Effective Date:	4/11/22
Owner:	MIDDD	Owner's Contract No.:	WWS-2018-003
Engineer:	Applied Sciences Inc.	Project No.:	
Project:	Dye-Dilution Testing	Contract Name:	

The Contract is modified as follows upon execution of this Change Order: Add 50,000 to existing contract to provide dye-dilution testing services at the direction of MCPWO Engineering staff.

The original Contract Sum was: \$ 100,000.00

The net change from previously approved Change Orders No. 1: \$ 100,000.00

The Contract Sum prior to this Change Order: \$ 200,000.00

The Contract Sum prior to this Change Order will be increased by: \$ 50,000.00

The new Contract Sum, including this Change Order, will be: \$ 250,000.00

The Contract Time will be unchanged by: 0 (days)

The date of Substantial Completion as of the date of this Change Order, therefore, is: N/A

ACCEPTED:

By: \_\_\_\_\_  
Owner (Authorized Signature)

ACCEPTED:

By: \_\_\_\_\_  
Engineer (Authorized Signature)

Title \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: Macomb Interceptor Drain Drainage District Board Members

CC: FILE

From: Vincent Astorino, Operations & Flow Manager

Date: April 5, 2022

Subject: Change Order #3 Approval Request for As-Needed Engineering Services – METCO

The 2017/2018 Macomb Interceptor Drain Drainage District (MIDDD) budget allocated \$450,000 for As-Needed Engineering Services. A competitive bid was issued on MITN for consultants to submit a Statement of Qualifications and Rate Schedule. The Board approved the recommendation to award contracts to six consultants, each with a budget of \$75,000, including METCO.

In December, 2017 the MIDDD entered into an agreement with six consultants, each to provide services based on the District's needs and the Consultant's area of discipline. Since that time the consultants have successfully provided support for various engineering tasks, ranging from reports, studies, condition assessments and design.

The 2018/2019 MIDDD budget allocated \$450,000 for As-Needed Engineering Services. During the October 21, 2019 MIDDD board meeting change order #1 was approved to add \$75,000 to METCO's general as-needed contract.

The 2020/2021 MIDDD budget allocated \$450,000 for As-Needed Engineering. MCPWO allocated additional funds for Metco due to the increase in need for flow control services from OMIDDD. During the November 2020 MIDDD board meeting Change Order #2 was approved to add \$125,000 to METCO's general as-needed contract.

The 2022/2023 MIDDD budget allocated \$75,000 for As-Needed Engineering Services. MCPWO allocated these additional funds for Metco due to the increase in need for flow control services from OMIDDD during the on-going construction and maintenance taking place within the MIDDD. At this time, MCPWO is requesting to add \$75,000 to the METCO As-Needed Engineering contract which will provide funding through the next fiscal year.

A draft copy of this change order has been attached for reference. On behalf of the MCPWO Engineering staff please approve this request to allocate \$75,000 as Change Order No. 3 to the METCO as-needed contract.

Attachments: Draft Change Order No. 3

**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

		<b>Change Order</b>	03
Date of Issuance:	4/11/22	Effective Date:	4/11/22
Owner:	MIDDD	Owner's Contract No.:	WWS-2018-002
Engineer:	METCO	Project No.:	
Project:	As-Needed Engineering	Contract Name:	

The Contract is modified as follows upon execution of this Change Order: Add 75,000 to existing contract to provide as-needed engineering services at the direction of MCPWO Engineering staff.

The original Contract Sum was: \$ 75,000.00

The net change from previously approved Change Orders No. 1 & 2: \$ 200,000.00

The Contract Sum prior to this Change Order: \$ 275,000.00

The Contract Sum prior to this Change Order will be increased by: \$ 75,000.00

The new Contract Sum, including this Change Order, will be: \$ 350,000.00

The Contract Time will be unchanged by: 0 (days)

The date of Substantial Completion as of the date of this Change Order, therefore, is: N/A

ACCEPTED:	ACCEPTED:
By: _____ Owner (Authorized Signature)	By: _____ Engineer (Authorized Signature)
Title _____	Title _____
Date _____	Date _____

MACOMB INTERCEPTOR DRAIN  
03.15.22 - 04.05.22

<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 – 7.3432% Clinton – 21.3460% Fraser – 4.1370% Harrison – 6.4221% Lenox – 1.0652% Macomb – 13.9284% New Haven – .8271% Shelby – 9.7757% Sterling Heights – 30.7833% Utica – 1.6268% Washington – 2.7451%								
		Astorino	Ayyeka	\$ 2,999.00	Invoice #6049 - 03.06.22	Flow Meter Communications			
		Astorino	Belle Tire	\$ 1,159.95	Invoice #38600834 - 03.11.22	Tire Service for 2017 F250 (17-460) - Gelle/Pool			
		Astorino	City of Mt. Clemens	\$ 20,862.91	Invoice #28004047 - 03.07.22	Monthly Utilities - January 2022			
		Astorino	Department of Roads	\$ 1,096.50	Invoice #302081 - 02.18.22	Fleet Fuel - January 2022			
		Astorino	Department of Roads	\$ 1,102.77	Invoice #302103 - 03.21.22	Fleet Fuel - February 2022			
		Downing	Doetsch	\$ 252,917.20	Invoice #71941 - 02.26.22	Phase 2 Grouting thru 02.26.22			
		Astorino	Fishbeck	\$ 2,686.00	Invoice #409715 - 03.24.22	GLWA Assistance 02.19.22 - 03.18.22			
		Astorino	Fishbeck	\$ 2,732.52	Invoice #409742 - 03.24.22	SCADA RFP	\$ 37,940.86		
		Astorino	Fishbeck	\$ 10,548.00	Invoice #409729 - 03.24.22	Wastewater Master Plan 02.19.22 - 03.18.22	\$ 367,903.49		
		Downing	Fishbeck	\$ 19,611.81	Invoice #409766 - 03.24.22	Inspection Program 02.19.22 - 03.18.22	\$ 146,867.31		
		Downing	FK Engineering Associates	\$ 101,954.90	Invoice #20-058-021 - 03.09.22	MCPWO Segment 6 Rehabilitation 01.23.22 - 2/26/22	\$ 1,336,709.33		
		Downing	FK Engineering Associates	\$ 132,614.85	Invoice #20-152-015 - 03.10.22	Romeo Arm Lining Segment 5 CCA 01.23.22 - 02.26.22	\$ 1,008,923.03		
		Downing	Hubbell, Roth & Clark	\$ 55,684.86	Invoice #194510 - 03.03.22	SY-S1 Meter Facility Rehabilitation 08.22.21 - 02.19.22	\$ 2,361.33		
		Downing	Inland Waters	\$ 106,304.14	Invoice #9180300-5 - 03.17.22	Drop Shaft & Connecting Sewer Rehabilitation - Final			
		Engelmann	Printing By Johnson	\$ 1,954.00	Invoice #41724 - 03.10.22	Booklet - Report to MIDD Community			
		Astorino	Rescue Training Services LLC	\$ 1,440.00	Invoice #03192022 - 03.19.22	16 Hour Confined Space Training			
		Astorino	Rescue Training Services LLC	\$ 670.00	Invoice #03192022A - 03.19.22	CPR Training			
		Astorino	Verizon	\$ 1,035.88	Invoice #9898007047 - 01.23.22	Monthly Cellular - 12.24.21 - 01.23.21 (Eq. Fund)			
		Astorino	Verizon	\$ 1,437.37	Invoice #9898007047 - 01.23.22	Monthly Cellular - 12.24.21 - 01.23.21			
		Astorino	Verizon	\$ 1,466.73	Invoice #9900257289 - 02.23.22	Monthly Cellular - 01.24.22 - 02.23.22 (Eq. Fund)			
		Astorino	Verizon	\$ 1,869.29	Invoice #9900257289 - 02.23.22	Monthly Cellular - 01.24.22 - 02.23.22			
		<b>CPS</b>		Astorino	Clinton Township Treasurer	\$ 2,336.47	Invoice #22.090 - 03.01.22	Sewer Disposal - February 2022	
				Astorino	Colville Electric Co., LLC	\$ 1,598.02	Invoice #220063 - 03.14.22	HVAC Wiring	
				Astorino	De-Cal, Inc.	\$ 13,997.00	Invoice #WO9212704 - 03.14.22	HVAC Unit	
	Astorino		De-Cal, Inc.	\$ 2,011.20	Invoice #WO90022091-1 - 03.21.22	1st Quarter Preventative Maintenance			
	Astorino		DTE Energy	\$ 24,465.82	Invoice #22-103 - 03.01.22	Monthly Electric - 02.02.22 - 03.01.22			
	Astorino		Ellis Machine Co. Inc.	\$ 525.00	Invoice #22-094 - 02.16.22	Repair on Fan Shaft			
<b>NGI</b>		Astorino	DTE Energy	\$ 1,396.18	Invoice #22-075 - 03.02.22	Monthly Electric - 01.29.22 - 03.01.22			
		Astorino	National Industrial Maintenance	\$ 1,674.80	Invoice #42270 - 2.9.22	Jet Vac Cleaning			
<b>OMID</b>		Downing	Oakland County Treasurer	\$ 4,259,286.67	Invoice #SDS0008142 - 03.01.22	Sewer Disposal - February 2022			
		Downing	Oakland County Treasurer	\$ 4,259,286.67	Invoice #SDS0008181 - 04.01.22	Sewer Disposal - March 2022			
<b>Total</b>				\$ 9,288,726.51					

**Budget to Actual**  
**MIDD**  
**As of Mar 31, 2022 = 75%**

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
GLWA-OMID	47,284,425		35,466,484	11,817,941	75.0%
OMID O&M	3,827,015		2,870,261	956,754	75.0%
Settlement	100,000		427,693	(327,693)	427.7%
Reimbursements	200,000		77,291	122,709	38.6%
PY Revenue-Fund Balance	10,370,340			10,370,340	0.0%
Washington Twp Meter Project	47,470		38,599	8,871	81.3%
Reimb-Local Communities	16,476,210		12,357,158	4,119,053	75.0%
COVID Grant	-		1,009,256		
Interest	60,000		12,171	47,829	20.3%
<b>Total Revenue Accounts</b>	<b>78,365,460</b>	<b>-</b>	<b>52,258,913</b>	<b>27,115,804</b>	<b>66.7%</b>
<b>EXPENSE ACCOUNTS</b>					
GLWA-OMID	47,284,425		35,466,484	11,817,941	75.0%
OMID O&M	3,827,015		2,870,261	956,754	75.0%
Public Works Wastewater Disposal Division	1,702,960		1,231,625	471,335	72.3%
Office Operations/Insurance	332,250		136,576	195,674	41.1%
SCADA	280,490		54,566	225,924	19.5%
<b>Engineering</b>					
Replenish reserve from CPS refunding	618,680			618,680	0.0%
Segment 5(Paid from const/ eng reserve)	-		4,545,438	(4,545,438)	100.0%
Segment 6(lawsuit Settlement)	-		2,415,317	(2,415,317)	100.0%
Drop Shaft Repair	-		106,304	(106,304)	100.0%
GLWA Assistance	40,000		18,843	21,157	47.1%
Repair work stemming from inspection program/Phase III Grout	3,200,000			3,200,000	0.0%
Segment 6 Construction Admin	1,500,000		617,767	882,233	41.2%
Odor and Control Construction	6,000,000			6,000,000	0.0%
General Construction/Engineering Contingency-All Projects	225,000			225,000	0.0%
Aquasight-On going improvements to program	175,000		125,884	49,116	71.9%
As Needed Applied Science	25,000			25,000	0.0%
As Needed FK Engineering	60,000			60,000	0.0%
As Needed FTCH	50,000		31,034	18,966	62.1%
As Needed Metco	90,000		43,480	46,520	48.3%
As Needed Wade Trim	70,000		674	69,326	1.0%
Level Sensors/Pressure/H2S-Meters	214,200			214,200	0.0%
Meter Dye Testing(Part of carryforward below)	38,600		69,996	(31,396)	181.3%
Odor and Control-Construction	1,000,000			1,000,000	0.0%
Odor and Corrosion Design	375,260		375,375	(115)	100.0%
COVID Monitoring -Reimburse from grant	-		1,009,256	(1,009,256)	100.0%
Phase II Grouting	2,000,000		1,236,757	763,243	61.8%
Phase III Grouting	325,000			325,000	0.0%
Segment 6 Construction Administration	1,503,560			1,503,560	0.0%
SY-S-1, SY-S-2, & WA-S-1 Meter Const Admin/Rehab	1,804,590		621,044	1,183,546	34.4%
Wastewater Master Plan/Contract Capacity	330,050		41,703	288,347	12.6%
Data Review-Aquasight	24,090		22,596	1,494	93.8%
Legal Services	150,000		8,673	141,327	5.8%
Clintondale PS O&M	580,000		217,729	362,271	37.5%
NGI O&M	225,000		68,664	156,336	30.5%
Meters O&M	190,970		45,072	145,898	23.6%
CS-3 O&M	216,000		4,606	211,394	2.1%
Biofilter O&M	26,000		8,438	17,562	32.5%
Contribution Life Cycle Reserve	171,700			171,700	0.0%
Interceptor O&M	1,738,450		82,506	1,655,944	4.7%
Stormwater Pump Stations	91,000		68,250	22,750	75.0%
Sewage Disposal Charges - Mt. Clemens	200,000		130,708	69,292	65.4%
Debt Service - Revenue Bonds	1,680,170		1,260,128	420,043	75.0%
<b>Total Expense Accounts</b>	<b>78,365,460</b>	<b>-</b>	<b>52,935,754</b>	<b>25,429,707</b>	<b>67.5%</b>

	O&M Balance 6/30/2021	O&M	Total 2/28/2022
Cash - Operating	37,753,257	(676,841)	37,076,416
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		52,258,913	52,258,913
Expenditures		52,935,754	52,935,754
			0
Equity*	37,753,257		37,076,416

**Detail of 2021 Equity\***

Projected reserve at 6/30/2021	8,749,004
Projected Construction/ Engineering Reserve	28,001,153
Life Cycle Reserve	1,003,100