

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

November 13, 2023 – 2:00 p.m.

Office of the Macomb County Public Works Commissioner
21777 Dunham Road, Clinton Township, Michigan, and Microsoft Teams

1. Call meeting to order

Board Members:

Michael Gregg, Chair, Michigan Department of Agriculture and Rural Development
Candice Miller, Macomb County Public Works Commissioner
Jim Nash, Oakland County Water Resources Commissioner

2. Motion to approve the meeting agenda for November 13, 2023
3. Motion to approve the Drainage District Board Meeting Minutes from October 18, 2023
4. Public Comment
5. AEW NESPS Wet Well Sediment Inspection Report
6. HESCO Request for Consent to Assignment
7. Motion to approve the following Engineering Work Order:
 - a) Motor City Electric Technologies for an extension of contract # 5469 to provide instrumentation and control services and other specified in the original contract according to the rate schedule until December 31, 2025
8. Motion to approve the following Change Order:
 - a) Walsh Construction Change Order No. 38 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$29,244.28
9. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 37 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$412,037.07 with a transfer to the Oakland County Treasurer in the amount of \$751.52
 - b) Construction Estimate No. 32 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$339,236.40
 - c) Construction Estimate No. 3 for Z Contractors for NI-EA Contracts 2A and 2B – PCI 18 and 18 Rehabilitation in the amount of \$753,927.60 with a transfer to the Oakland County Treasurer in the amount of \$83,769.73
10. Status of OMID Repairs Project

11.	Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing		
12.	Motion to approve the following invoices:		
	1) Labor/Fringes/Non-Direct Labor Factor		
	• Segment 5 NI-EA Construction		\$ 5,094.91
	• Segment 5 NESPS Mech./Elect. Construction		\$ 9,247.73
	2) Equipment Charges		
	• Segment 5 NI-EA Construction		\$ 133.93
	• Segment 5 NESPS Mech./Elect. Construction		\$ 312.93
	3) Reimbursement		
	• The City of Sterling Heights	O&M	\$ 100.00
a)	ASI		
	1) Invoice No. 56-8535	NESPS	\$ 77,924.81
		O&M	\$ 6,644.00
	2) Invoice No. 56a-8536	NESPS	\$ 2,192.13
b)	Clark Hill		
	Invoice No. 1360901	NESPS	\$ 11,602.50
c)	Kennedy		
	Invoice No. 636357	O&M	\$ 1,712.00
d)	Lardner Elevator		
	1) Invoice No. 198731	O&M	\$ 204.00
	2) Invoice No. 199161	O&M	\$ 204.00
e)	Metco		
	Invoice No. 1811-58	O&M	\$ 96,764.28
f)	Motor City		
	1) Invoice No. 95253A	O&M	\$ 180.00
	2) Invoice No. 95330A	O&M	\$ 585.00
	3) Invoice No. 95332A	O&M	\$ 135.00
	4) Invoice No. 95333A	O&M	\$ 135.00
	5) Invoice No. 95334A	O&M	\$ 315.00
	6) Invoice No. 95335A	O&M	\$ 360.00
	7) Invoice No. 95336A	O&M	\$ 90.00
	8) Invoice No. 95367	O&M	\$ 135.00
	9) Invoice No. 95369	O&M	\$ 270.00
	10) Invoice No. 95370	O&M	\$ 450.00
	11) Invoice No. 95371	O&M	\$ 405.00
	12) Invoice No. 95372	O&M	\$ 180.00
	13) Invoice No. 95373	O&M	\$ 270.00
g)	NTH Consultants, Ltd		
	1) Contract No. 1 PCI-4 Rehabilitation		
	Invoice No. 634228	NI-EA	\$ 62,786.93
	2) Eng/Consult. NESPS Pumping and Electrical		
	Invoice No. 634229	NESPS	\$ 30,079.12
	3) OMID Rehab. 2021 Closeout Services		
	Invoice No. 634230	O&M	\$ 813.36
	4) NESPS Maintenance Engineering Services		
	Invoice No. 6342131	O&M	\$ 1,231.28
	5) Engineering/Consulting Services PCI-18 and PCI-19 Rehabilitation		
	Invoice No. 634232	NI-EA	\$ 72,084.91

h)	PM Technologies		
	1) Invoice No. 82027158	O&M	\$ 3,157.64
	2) Invoice No. 82027340	O&M	\$ 4,095.14
	3) Invoice No. 84102103	O&M	\$ 350.00
	4) Invoice No. 84109109	O&M	\$ 350.00
	5) Invoice No. 84109573	O&M	\$ 350.00
i)	PMA Consultants		
	Invoice No. 3559.01-40	NI-EA	\$ 19,893.13

13. Other Business

14. Adjourn

Next Regular Meeting: December 20, 2023, at 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from October 18, 2023

**MINUTES OF THE REGULAR MEETING OF THE DRAINAGE BOARD
FOR THE OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT**

October 18, 2023

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held at the Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township Michigan on the 18th day of October 2023 at 11:30 a.m. Eastern Standard Time and via Microsoft Teams.

PRESENT:

Michael Gregg, Chairperson and Deputy for Dr. Tim Boring, Director of the Michigan Department of Agriculture and Rural Development; Candice Miller, Member and Macomb County Public Works Commissioner; and Anne Vaara for Jim Nash, Secretary and Oakland County Water Resources Commissioner.

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker, Stephen Downing and Norb Franz. Representing the office of the Oakland County Water Resources Commissioner: Steve Korth, Brian Coburn, Joel Brown, Evans Bantios, Meg Koss and Stephanie Lajdziak. Others in attendance: Fritz Klingler, FK Engineering; Terry Moore and Raj Vijayendran, Metco; Shawn Phelps and Jeff Ragle, OC Fiscal Services; Larry Gilbert and Michelle Kitzinger, NTH Consultants; Dave Pauline, Walsh

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 12:22 p.m.

2. Agenda.

Motion by Vaara, supported by Miller, to approve the October 18, 2023, agenda as presented.

ADOPTED: Yeas - 3
Nays - 0

3. Minutes.

Motion by Vaara, supported by Miller, to approve the minutes of the September 20, 2023, meeting.

ADOPTED: Yeas - 3
Nays - 0

4. Public Comment.

None.

5. Engineering Work Orders.

The following Engineering Work Orders were submitted to the Board to approval:

- a) NTH for Additional Construction and Materials Testing Services on the NESPS Pumping and Electrical Upgrades Project to increase contract #2603 for a not-to-exceed amount of

\$59,536. Motion by Vaara, supported by Miller, to approve Engineering Work Order D-462(2) as presented.

ADOPTED: Yeas - 3
 Nays - 0

- b) NTH for Project Management Software Procurement on the NI-EA Contract 2: PCI-18 and PCI-19 Rehabilitation Project to increase contract #2603 for a not-to-exceed amount of \$33,500. Motion by Miller, supported by Vaara, to approve Engineering Work Order D-463(1) as presented.

ADOPTED: Yeas - 3
 Nays - 0

6. Change Order.

The following Change Order was submitted to the Board for approval:

- a) Walsh Construction Change Order No. 37 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$15,030.49. Motion by Miller, supported by Vaara, to approve the Change Order as presented.

ADOPTED: Yeas - 3
 Nays - 0

7. Construction Pay Estimates.

The following Construction Pay Estimates were submitted to the Board for approval:

- a) Construction Estimate No. 36 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$700,473.10 with a transfer to the Oakland County Treasurer in the amount of \$15,870.65. Motion by Vaara, supported by Miller, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
 Nays - 0

- b) Construction Estimate No. 31 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$190,100.00. Motion by Vaara, supported by Miller, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
 Nays - 0

- c) Construction Estimate No. 2 for Z Contractors, Inc. for NI-EA Contracts 2A and 2B – PCI 18 and 19 Rehabilitation in the amount of \$52,499.99 with a transfer to the Oakland County Treasurer in the amount of \$5,833.34. Motion by Vaara, supported by Miller, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
 Nays - 0

8. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS and NI-EA.
 Fritz Klingler of FK Engineering presented the Project Progress Update to the Board and summarized the status of various projects.

Motion by Vaara, supported by Miller, to receive and file the report and summary.

ADOPTED: Yeas - 3
 Nays - 0

9. Financial Reports.
 Shawn Phelps presented the financial reports for Segments 1 through 5 and the NESPS.
 Motion by Miller, supported by Vaara, to receive and file the financial reports.

ADOPTED: Yeas - 3
 Nays - 0

10. Invoices.

The following invoices were submitted to the Board for approval:

1) Labor/Fringes/Non-Direct Labor Factor		
• Segment 5 NI-EA Construction		\$ 9,957.27
• Segment 5 NESPS Mech./Elect. Construction		\$ 10,962.94
2) Equipment Charges		
• Segment 5 NI-EA Construction		\$ 282.42
• Segment 5 NESPS Mech./Elect. Construction		\$ 385.40
a) ASI		
1) Invoice No. 54-8495	NESPS	\$ 86,685.85
	O&M	\$ 27,537.70
2) Invoice No. 54a-8497	O&M	\$ 58,377.36
3) Invoice No. 55-8512	NESPS	\$ 85,746.43
	O&M	\$ 5,489.60
4) Invoice No. 55a-8514	O&M	\$ 3,394.50
b) Clark Hill		
1) Invoice No. 1352166	NESPS	\$ 1,810.50
2) Invoice No. 1352819	NI-EA	\$ 23,980.00
3) Invoice No. 1353143	O&M	\$ 1,782.00
c) CSM		
Invoice No. 23-444	O&M	\$ 1,183.94
d) Inland Lakes Landscaping Corps.		
Invoice No. 24727	O&M	\$ 1,825.00
e) Lardner Elevator		
1) Invoice No. 198877	O&M	\$ 204.00
2) Invoice No. 199012	O&M	\$ 1,557.00
f) MCFI		
Invoice No. 1265	NI-EA	\$ 25,275.00

g)	Meadowbrook Insurance			
	Invoice No. 12925	NESPS	\$	46,410.00
h)	Metco			
	Invoice No. 1811-57	O&M	\$	79,579.78
i)	Moody			
	Invoice No. P0447338	NI-EA	\$	19,500.00
j)	NTH Consultants, Ltd			
	1) Contract No. 1 PCI-4 Rehabilitation			
	Invoice No. 633967	NI-EA	\$	58,316.42
	2) Additional NESPS Maintenance Engineering Services			
	Invoice No. 633968	O&M	\$	241.03
	3) OMID Rehab. 2021 Closeout Services			
	Invoice No. 633969	O&M	\$	1,120.14
	4) OMID System Inspection			
	Invoice No. 633970	O&M	\$	1,312.40
	5) Engineering/Consulting Services PCI-18 and PCI-19 Rehabilitation			
	Invoice No. 633971	NI-EA	\$	30,191.81
k)	PM Technologies			
	1) Invoice No. 82710934	O&M	\$	650.00
	2) Invoice No. 83640399	O&M	\$	1,050.00
l)	PMA Consultants			
	Invoice No. 03559.01-39	NI-EA	\$	18,687.48
m)	Rotor Electric			
	1) Invoice No. 12620	O&M	\$	2,597.51
	2) Invoice No. 12654	O&M	\$	2,490.50
	3) Invoice No. 12655	O&M	\$	2,834.31
	4) Invoice No. 12656	O&M	\$	900.28
	5) Invoice No. 12658	O&M	\$	732.50
	6) Invoice No. 12659	O&M	\$	1,004.75
	7) Invoice No. 12660	O&M	\$	1,623.75
	8) Invoice No. 12661	O&M	\$	18,729.00
	9) Invoice No. 12662	O&M	\$	783.75
	10) Invoice No. 12663	O&M	\$	2,276.73
n)	Young Insurance			
	1) Invoice No. 20230594	O&M	\$	15,737.27
	2) Invoice No. 20230595	O&M	\$	4,213.10

Motion by Vaara, supported by Miller, to approve the invoices as presented.

ADOPTED: Yeas - 3
Nays - 0

11. Other Business.

The proposed Drainage Board meeting dates for 2024 (as attached) were presented. Motion by Miller, supported by Vaara, to approve the 2024 meeting dates as presented.

ADOPTED: Yeas - 3
Nays - 0

12. Adjourn.
Motion by Vaara, supported by Miller, to adjourn the September 20, 2023, meeting at 1:14 p.m.

ADOPTED: Yeas - 3
Nays - 0

Next Regular Meeting: *Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan* and electronically at 2:00 p.m., Eastern Standard Time on November 13, 2023.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District, at a meeting held on October 18, 2023 and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes were kept and will be or have been made available to the public as required by the Act.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this 18th day of October 2023.



Anne Vaara, Acting Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

NESPS Wet Well Sediment Inspection Report



Oakland-Macomb Interceptor Drain Drainage District

**TO: Michael Gregg, Chairperson
Oakland-Macomb Interceptor Drain Drainage Board**

**FROM: Joel Brown, P.E. Oakland County Water Resources Commissioner's Office
Stephen Downing, Macomb County Public Works Commissioner's Office**

**SUBJECT: AEW NESPS Wet Well Sediment Inspection Report and Recommendation to
Discontinue Further Wet Well Sediment Inspections**

DATE: November 13, 2023

AEW has been performing Northeast Sewage Pumping Station wet well sediment inspections on an interim basis since 2019. The frequency of these inspections were increased once a substantial amount of sediment entered the wet well after wet well cleaning operations were conducted in the first quarter of 2021. As most of the sediment was sand/silt in nature, we were concerned about the potential for a sinkhole in the upstream reaches of the system. Initial follow-up wet well sediment inspections and upstream spot checks did not indicate a presence of a sinkhole. However, wet well sediment inspections were continued as a precaution to build an understanding of behavior. AEW has summarized their sediment level measurements taken since 2019 in their appended report.

Based on the results, it appears that the wet well finds its own steady state conditions in which the sediment builds up to a certain level and beyond that most items get picked up in the pump flow stream. Current observed conditions do not seem to indicate that this has any impact on pump flow/performance nor that there is any failure upstream. Accordingly, we do not believe it is necessary to continue the sediment inspections until field observations of the wet well or pump performance loss indicate otherwise.

RECOMMENDED ACTION: Receive and file the attached AEW Memorandum "Summary of AEW Sediment Inspections at NESPS" and suspend further wet well sediment inspections unless field conditions dictate otherwise.



ANDERSON, ECKSTEIN & WESTRICK, INC.

CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

Shelby Township - Roseville - Livonia

586.726.1234 | www.aewinc.com

MEMORANDUM

TO: Joel Brown, PE, Bob Pousho, Vincent Astorino, Steve Rozycki, PE & Stephen Downing

FROM: Louis J. Urban, PE & Chris Frayer

DATE: September 19, 2023

SUBJECT: **Summary of AEW Sediment Inspections at NESPS**

Anderson, Eckstein & Westrick, Inc. (AEW) monitored sediment levels in the wet well chambers of the Northeast Sanitary Pump Station throughout the 2017 repair of the Romeo Arm Interceptor collapse in the City of Fraser. The repair efforts included a thorough cleaning of the wet well chambers by Doetsch Environmental Services. The wet well cleaning was complete in March of 2018.

AEW has provided as needed services to perform additional wet well sediment inspections since 2019. When requested by the Owner, AEW coordinated with the Flow Control Manager (Terry Moore, METCO) to schedule a date and prepared a joint SESR for approval.

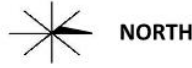
On the scheduled date AEW made entry under a confined space entry permit and walked the stairs down to the observation deck. Sediment depths were calculated by taking measurements from the service deck floor to the top of sediment at six locations in each chamber. The results were then averaged and record plan elevations used to calculate average sediment depth in each chamber. AEW performed a total of eleven (11) inspections between June 2019 and April 2023. The final sediment level survey was conducted April 22, 2023 and the results are provided below.



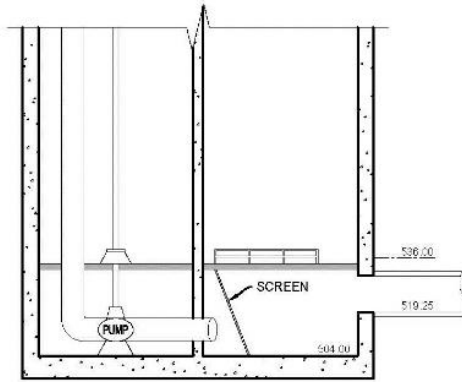
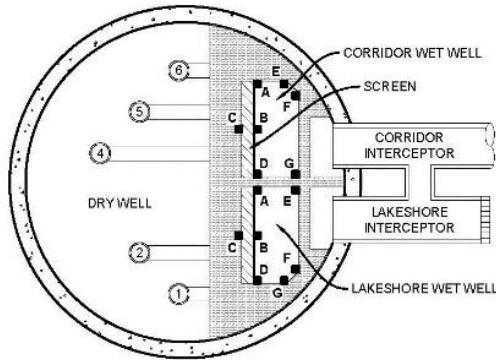
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Clear Form

PROJECT NO. 0211-0204
DESCRIPTION: NESPS Sediment Level Observations



DATE April 22, 2023
CREW CRF, CCB, PG
PAGE NO. 1 **OF** 4



Corridor Wet Well

- A. 26.3 Ft. Drop
- B. 27.5 Ft. Drop
- (Behind Screen) C. 30.5 Ft. Drop
- D. 28.3 Ft. Drop
- E. 26.5 Ft. Drop
- F. 26.5 Ft. Drop
- G. 28.8 Ft. Drop

6 Point Average 27.3 Drop=4.7' Sediment

Lakeshore Wet Well

- A. 26.2 Ft. Drop
- B. 26.1 Ft. Drop
- (Behind Screen) C. 29.3 Ft. Drop
- D. 22.6 Ft. Drop
- E. 25.6 Ft. Drop
- F. 23.8 Ft. Drop
- G. 23.1 Ft. Drop

6 Point Average 24.6' Drop=7.4' Sediment

Observations

1. Per record drawings, the invert elevation of the interceptors at the wet well are 519.25, the wet well bottom elevation is 504.00 and the service deck floor elevation is 536.00 (see above sketch).
2. Sediment depths were calculated by taking measurements (drops) from service deck floor to top of sediment at six locations in each chamber. The results were then averaged and record plan elevations used to calculate average sediment depth and average sediment elevation in each chamber.
3. The average sediment depth in the west (Corridor) chamber was 4.7 feet, elevation of 508.7 average top of sediment. (Note avg depth was 5.0 Ft, elevation 509.0 on 1/13/2023)
4. The average sediment depth in the east (Lakeshore) chamber was 7.4 feet, elevation of 511.4 average top of sediment. (Note avg depth was 6.6 Ft, elevation 510.6 on 1/13/2023)
5. Very Light ragging was observed on the Lakeshore Chamber bar screen.
6. Light ragging was observed on the Corridor Chamber bar screen.
7. Doetsch personnel were on site preparing to make entry into the wet wells from the observation deck to begin cleaning operations.



ANDERSON, ECKSTEIN & WESTRICK, INC.
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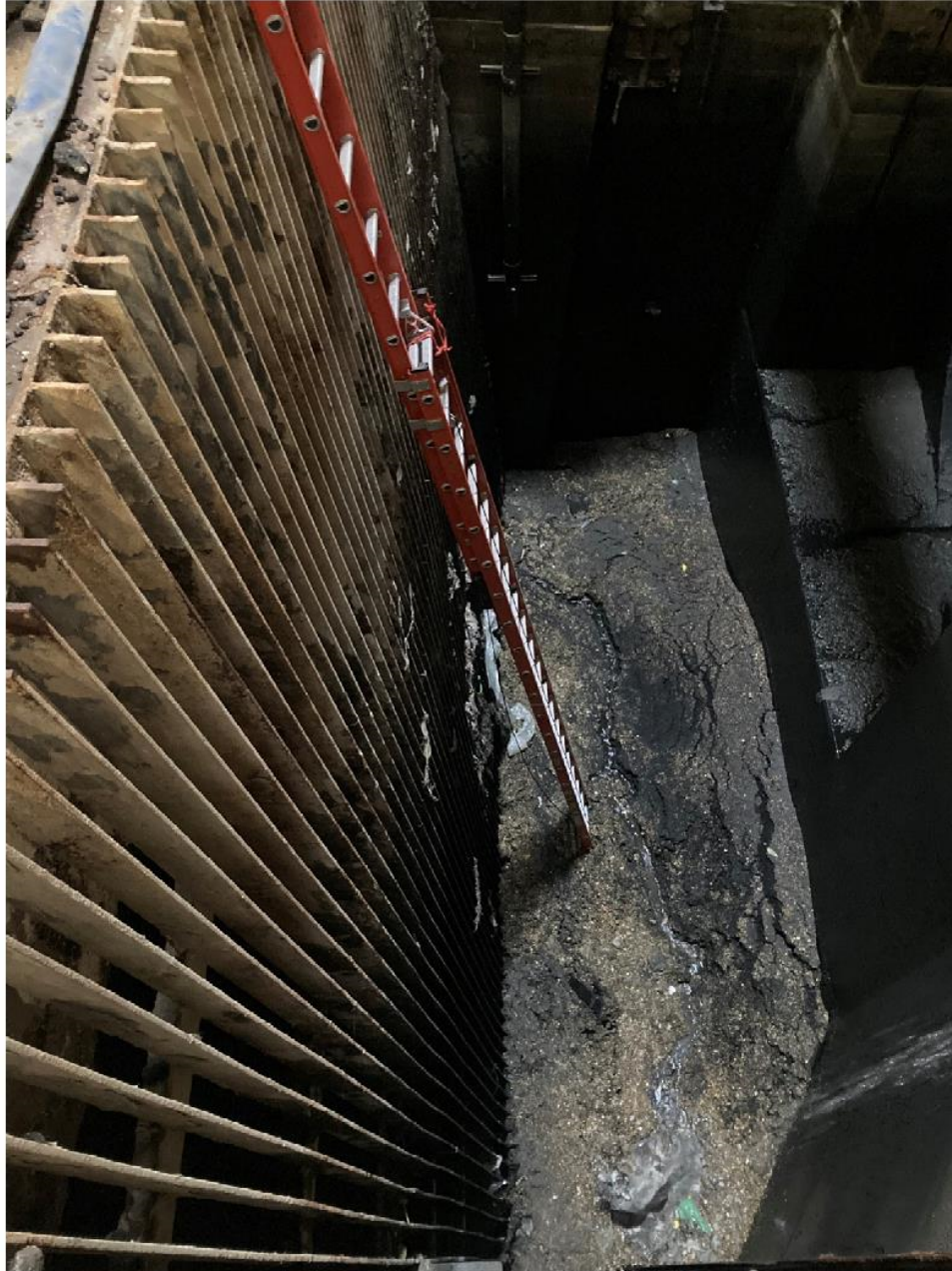
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Lakeshore Chamber Wet Well



Lakeshore Chamber Bar Screen



Corridor Chamber Wet Well



Corridor Chamber Bar Screen



The following table presents the average sediment depth in each chamber during each inspection.

Date	North	South
	Corridor Chamber (Feet)	Lakeshore Chamber (Feet)
6/19/2019	7.0	8.4
1/3/2020	7.3	7.0
5/7/2021	3.0	4.5
6/24/2021	3.2	5.5
8/24/2021	5.3	7.8
11/10/2021	3.9	6.1
1/21/2022	4.0	5.3
6/3/2022	5.1	6.0
9/30/2022	4.8	6.3
1/13/2023	5.0	6.6
4/22/2023	4.7	7.4

Agenda Item No. 6

HESCO Request for Consent to Assignment



Knowledgeable • Professional • Attentive • Likeable

29770 Hudson Drive Novi, MI 48377

Phone: (586) 978-7200

hesco-mi.com

November 1, 2023

Via Email

OMIDDD

One Public Works Drive, Building 95 West

Waterford, MI 48328

Attn: Joel Brown

Re: Request for Consent to Assignment

Dear Steve:

We are excited to announce that we have come to agreement to form a strategic partnership between our company, HESCO GROUP, INC. (“HESCO”) and a midwestern based private investment firm, Brixey & Meyer Capital, LLC (“BMC”) which will become effective later this month. Headquartered in Cincinnati, Ohio, BMC is an established, entrepreneurial firm with extensive experience in B2B value-added distribution and service in industrial applications across a vast majority of end markets.

After the closing of the Transaction, the legal name of the company will be HESCO Group, LLC and we will still remain shareholders in the business and the entire team will remain intact. We are excited about this new partnership as this partnership will bring additional resources and capabilities to the company that allow us to better serve our valued customers and business partners.

There will be little to no impact on the day-to-day operations of the business, and we expect minimal disruption during any transitional processes. Key points of contact serving you will remain the same.

Our agreement by and between **HESCO** and OMIDDD, for the following Contract Agreement OMIDDD-HESCO Mechanical Maintenance Services Contract #5819 (“Agreements”), requires your written consent to be obtained to assign the Agreement in connection with the consummation of the Transaction. Except as expressly set forth herein, nothing contained in this letter agreement shall in any way supersede, modify, rescind, waive, or in any way affect any of the provisions of the Agreement, including, without limitation, the covenants, agreements, rights and remedies of the parties set forth therein.

Please confirm your consent to the assignment of all of our rights and the delegation of all of our performance obligations under the Agreement to HESCO Group LLC (the “Assignment”) in connection with the Transaction, and your acknowledgment and agreement that (i) the Assignment and the consummation of the Transaction will not constitute a breach or default under the Agreement, (ii) all notice requirements or other obligations of HESCO under the Agreement with respect to the Assignment and the Transaction have been satisfied or waived, and (iii) you are expressly waiving any termination or other rights that may be triggered as a result of the Assignment and the consummation of the Transaction, by having a duly authorized person sign this letter agreement below and returning it as soon as possible by email to Kevin.Livingston@hesco-mi.com. In the interest of time, we ask that you send us the signed consent before November 2, 2023.

Your consent shall be effective on the date of the closing of the Transaction, and, if the Transaction is not consummated, this consent shall be of no force or effect. Please note that the Transaction has not been disclosed to the public and we respectfully request that the consents of this letter remain confidential. If you have

Acknowledged, agreed, and consented to as of the date set forth below:

[ENTITY NAME]

By: _____

Name: _____

Title: _____

Date: _____

any questions regarding the Transaction or this request for consent, please direct them to me using the information above.

Thank you for your friendship in our past business dealings and we look forward to an even more prosperous future!

Respectfully,

HESCO

Kevin S. Livingston, PE

Agenda Item No. 7

Engineering Work Orders



Oakland-Macomb Interceptor Drain Drainage District

**TO: Michael Gregg, Chairperson
Oakland-Macomb Interceptor Drain Drainage Board**

**FROM: Joel Brown, P.E. Oakland County Water Resources Commissioner's Office
Stephen Downing, Macomb County Public Works Commissioner's Office**

SUBJECT: Motor City Electric Technologies Engineering Work Order to Extend Contract #5469, Adjust Rate Compensation and Establish As-Needed General Services Scope

DATE: November 13, 2023

The existing Contract #5469 between the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) and Motor City Electric Technologies (MCET) is set to expire December 31, 2025. This contract has been primarily utilized for MCET to provide as-needed Systems Control and Data Acquisition (SCADA) troubleshooting, repair, programming, and other services at the Northeast Sewage Pumping Station (NESPS) and the Oakland-Macomb Interceptor Drain control structures. MCET personnel have proven to be knowledgeable, reliable, efficient and cost-effective in providing these services to the OMID. This is especially valuable at a crucial time when there are still multiple projects upstream, downstream and within the OMID system are occurring that are heavily reliant on SCADA operation for flow control management.

MCET performs a vital contractor role in keeping the OMID system SCADA operational and their knowledge of the SCADA system is unparalleled. As such, it is our recommendation that MCET continue to provide these services until at least the NESPS Pumping and Electrical Upgrades project and the OMID NI-EA Contract No.2 PCI-18 and PCI-19 Rehabilitation projects are complete, which is currently expected to be by the end of 2025. Consequently, we recommend that Contract #5469 be extended until December 31, 2025.

The attached Engineering Work Order has been developed to adjust the compensation rates according to MCET's rate schedule and extend the contract to December 31, 2021. At this time, a contract price increase is not needed as there are sufficient funds on the existing contract to perform these services.

RECOMMENDED ACTION: Approve the attached Engineering Work Order to modify MCET's Contract #5469 to provide instrumentation and control services and others specified in the original contract according to the rate schedule attached to the EWO until December 31, 2025.

**Jim Nash Oakland County Water Resources Commissioner
Oakland-Macomb Interceptor Drain Drainage District
For the
OMIDDD Operations and Maintenance I&C Services
Oakland, Macomb and Wayne County, Michigan**

Engineering Work Order D-464 (3)

Date: 11/13/2023

To: Motor City Electric Technologies Inc. (MCET)**For:** Amendment to Contract #5469 for Instrumentation and Control Support**DESCRIPTION**

This Engineering Work Order (EWO) No. 3 is required to define specific additional tasks and compensation related to OMID Systems Control and Data Acquisition (SCADA) functionality that falls under Section 3-Scope of Contractor's Services, Section 4, Drainage District Payment Obligation for Contractor's Services, Exhibit II - Scope of Contractor's Services and Exhibit III - Contractor's Proposal of contract #5469(WD8511). This EWO serves as your approval for the following additional general services.

Extend Contract #5469 until December 31, 2025 to continue to provide services contained in the original contract and subsequent Engineering Work Orders according to the attached 2024-2025 rate sheet.

Fees for this Engineering Work Order shall be billed on a time and material basis according to the rate schedules included with this EWO unless otherwise agreed to in writing. No additional contract amount increase is needed at this time.

RECOMMENDED	DATE:	ACCEPTED	DATE:
By:		By:	
Joel Brown, P.E. Chief Engineer OCWRC		Dave Krausman General Manager Motor City Electric Technologies, Inc.	
APPROVED	DATE:	APPROVED	DATE:
By:		By:	
Stephen Downing Construction and Maintenance Manager MCPWO		Steve Korth, P.E. Chief Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	SC730660
Fund No.:	FND82912	Program No.:	PRG149090
Project No.:	N/A	Project Activity:	N/A
Contract No.:	PS5469-WDCON8419	Contract Exp:	12/31/2025

**JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

OMIDD Schedule of Service Rates – 2024-2025

SCHEDULED

	Standard	Overtime	Premium
• Engineer - Controls / PLC / SCADA / Automation	98.00	137.00	167.00
• Engineer - Wireless / RF / Network/ Security	130.00	182.00	221.00
• Project Manager	125.00		
• Technician - Voice / Data / Security / Wireless	85.00	119.00	145.00

EQUIPMENT

- Service Truck / Van \$9.50 Per Hour

MATERIAL/SUB-CONTRACTORS

- Material Cost Plus 15%
- Sub-Contractors Cost Plus 5%

Description of Rates

Standard Rate:	Monday through Friday, 8 consecutive hours, between the hours of 7:00 a.m. and 5:00 p.m.
Overtime Rate:	Monday through Friday, in excess of 8 hours per day, Saturdays, and Monday through Friday between the hours of 5:00 p.m. and 7:00 a.m.
Premium Rate:	Sundays and holidays

Agenda Item No. 8

Change Order

CHANGE ORDER NO. THIRTY-EIGHT

Oakland Macomb Interceptor Drain, Drainage District (OMIDDD)

For Construction of the Pump and Electrical Upgrades Project

Northeast Sewage Pumping Station (NESPS)

Located in the City of Detroit, Wayne County, Michigan

**CONSTRUCTION MANAGER,
AT RISK (CMAR)
Walsh Construction Co. II, LLC**

Authorization for: 1.) Costs due to Knife Gate Valve # 2 Work Cancellation; 2.) Demolition of Concrete Pad for Pump # 4 Electrical Sub-Station.

Address:

Walsh Construction Co. II LLC
3031 West Grand Blvd., Suite 640
Detroit, MI 48202

Change Order No. 38 Date: Nov. 01, 2023

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
38 -1	<p>LOCATION:</p> <p>The Northeast Sewage Pumping Station; Detroit, Wayne County, Michigan</p> <hr/> <p>DESCRIPTION (Extra/ Add):</p> <p>Provide compensation to the Contractor for idled labor and equipment due to the late cancellation of scheduled work activity for the Knife Gate Valve # 2 (KGV #2) installation procedure.</p> <p>REASON:</p> <p>The scheduling of manpower and equipment complements for the installation of re-furbished KGV # 2 required significant advance planning and the commitment of resources necessary to ensure the task is completed within the limited allowable time that is dictated by NESPS Flow Control Operations. This operation was planned for the period of June 7 through June 9,2023 and the Contractor (Decal Mechanical) organized a specialized work force and support equipment on site to begin this work.</p>	LS	1 ea.	\$25,357.04	\$25,357.04	-0-

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
38 -1	<p>An unanticipated last minute cancellation of this planned activity was issued by the Project Owner that was necessitated by critical scheduling conflicts with other OMID DD projects. The Contractor was then faced with irrecoverable costs due to this cancellation, with only limited opportunity to reassign resources.</p> <p>An equitable settlement for these costs was negotiated, with the Contractor and the Construction Manager both agreeing to waive the normal markup charges and accept the value of the direct cost component (only) for the documented cancellation costs.</p> <p>Attachment: Walsh Construction Co. PCI No.970192</p>					
38 -2	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Demolish the existing concrete housekeeping pads remaining following the removal of the Pump 4 Unit Substation and electrical gear cabinetry.</p> <p><u>REASON:</u></p> <p>The demolition of the Pump 4 Unit Substation and related electrical gear on the Motor Room Floor also required removal of the concrete housekeeping foundation pads that supported this equipment. This task was not included in the Contract requirements and is considered as "Extra Work" to the project.</p> <p>This activity required the use of manual demolition methods to break and remove the reinforced concrete pads and transfer the debris to an exterior dumpster-type container for disposal. In addition, the then exposed original floor surface was ground to a plane condition, re-steel and anchor bolt projections removed, and conduit penetrations temporarily sealed (available, however for future use if needed). The remaining exposed surface will be re-finished when the entire Motor Room floor sealant is applied.</p> <p>Attachment: Walsh Construction PCI No.970212</p>	LS	1 ea.	\$4,087.24	\$4,087.24	-0-

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	<p><i>End of Line Items for Change Order No. 38</i></p> <p>*****</p>					
					Amount Increase	Amount Decrease
				Totals	\$29,244.28	-0-
				Net Changes (Increase)	\$29,244.28	

--

Prepared By: Lawrence T. Gilbert Date: 11-03-2023
Lawrence T. Gilbert, P.E.
NTH Consultants, Ltd.

Recommended By: _____ Date: _____
John Michalski, P.E.
Engineer of Design, Applied Science, Inc.

Approved By: _____ Date: _____
Joel Brown, P.E.
Chief Engineer,
Construction Projects
Unit, WRC

Approved By: _____ Date: _____
Stephen Downing
Construction and Maintenance Manager, Macomb County Public Works

Approved by: _____ Date: _____
Steve Korth, P.E.
Chief Manager, WRC

All of the Construction Manager's contractual obligations remain in place and are applicable to all work and payments identified herein. No adjustment to contract time or price shall be made for these issues except as set out in this, or by a subsequent related Change Order.

The Construction Manager agrees to do the work described above and agrees to accept Contract time adjustments in full on the basis indicated.

Accepted by: _____ Date _____
Title
of: Walsh Construction Co. II, Inc.

The Construction Manager is hereby authorized and instructed to do the Work described above in accordance with the terms of the Contract, as amended.

This Change Order No. 38 was approved by the Drainage Board on: _____ Date: _____



Attachment No. 1 to Change Order No. Thirty-Eight

The Engineer has reviewed the items included in this Change Order and confirms that these adjustments to the Contract are reasonable and in accordance with industry standards and the requirements of the Contract.

Contract Status Summary
Change Order No. Thirty-Eight
OMID NESPS Pump & Electrical Upgrades Project

Construction Manager at Risk: Walsh Construction Co. II

Project Award Date (Pre-Construction Services)	December 16, 2019
Notice to Proceed Date (Construction Phase)	October 23, 2020
Contract Substantial Completion Date (Original)	March 28, 2023
Contract Final Completion Date (Original)	June 22, 2023
Total GMP Contract Value (Including Control Structure 9) (Reconciled for separation of Pre-Construction Costs)	\$ 42,933,381.88
C.O. Values, # 7 through # 37, and including CS-9 C.O. # 1,2,3,4	\$ 6,447,116.22
This Change Order # 38	\$ 29,244.28
<i>Adjusted GMP Contract Value, Pump & Electrical Upgrades and CS-9 Projects (Including this C.O. # 38)</i>	\$ 49,409,742.38

Agenda Item No. 9

Construction Estimates

**Northeast Sewage Pumping Station- Pumping and Electrical Systems Upgrades Project
Located in the City of Detroit, Wayne County, Michigan**

Regular Construction Estimate No. Thirty-Seven
Page One of Two

October 01 through October 31, 2023

Department No.:	6010101	Account No.:	731472
Fund No.:	84917	Program No.:	149015
OMID Project No.:	1 3309	Activity:	FAC

Construction Manager at Risk: Vendor # 23191 LI 43331; exp. 12/16/22

Walsh Construction Co. Date of Contract: Dec. 16, 2019

3031 West Grand Boulevard, Suite 640 (Adjusted Final Completion Date: July 28, 2023

Detroit, MI 48202 Contract No. 5977

Orig. GMP amount for Pump & Elec. Upgrades Project, and including CS-9	\$44,107,745.19
Pre-Construction Payment (Separate Accounting)	(\$1,244,560.00)
NESPS Pump & Elec. Upgrades Original Contract Budget	\$42,863,185.19
Change Orders, This Estimate: C.O. # 37	\$15,030.49
Previous C.O.s: (Numbers 7 through No. 36 and CS-9 # 1 through # 4)	\$6,432,085.73
Note: C.O. # 30 includes the budget transfer of \$70,196.70 from Pre-Con to GMP budget)	\$70,196.70
Adjusted Contract Amount including CS-9 values	\$49,380,498.11
Sub-Total To Date	\$ 39,650,921.41
Less Deductions: None	\$ -
Gross Estimate: (Work in Place - Amount Complete = 79 %)	\$ 39,650,921.41
Less Amount Reserved (max. 10% of 50% of total CV, including CS-9 value)	\$ 2,469,024.89
Total Amount Allowed To Date:	\$37,181,896.52
Less Previous Estimates:	\$36,769,859.45
Payment Due	\$412,037.07
Reserve Pay to Contractor:	\$0.00
Balance to Finish: \$ 9,729,576.70	Accounting Auditor:
Amount to be Reserved	2,469,024.89
Less Previous Transfer to Reserve	2,468,273.37
Amount of Current Transfer	\$751.52

Regular Construction Estimate No. 37; October, 2023 - NESPS Pump & Electrical Upgrades

Page Two of Two

Prepared by: Lawrence T. Gilbert

Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Date: 11-03-2023

Recommended by: _____

John Michalski, P.E., ASI

Date: _____

Recommended by: _____

Joel Brown, P.E. Oakland County WRC

Date: _____

Recommended by: _____

Stephen Downing; Macomb County OPWC

Date: _____

Regular Construction Estimate No. 37; October, 2023
NESPS Pump & Electrical Upgrades Project

Approved By Board On: _____

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the NI-EA OMID Contract 1 - PCI 4 Rehabilitation
Located in the City of Detroit, Wayne, Michigan
Project ID 1-00000003308


Regular Construction Estimate No. 32

Period: 10/01/23 through 10/31/23

Department No.:	6010101	Account No.:	731472
Fund No.:	84917	Program No.:	149015
Project No.:	1-00000003308	Activity:	FAC

Contractor:	Vendor # 29656 Contract # 6323	Date of Contract:	January 21, 2021
Marra Services, Inc.	LI # 44838 exp. 1/20/23	Final Completion Date:	September 9, 2022
700 E. 73 rd. Street		Adj. Final Completion:	May 12, 2023
Cleveland, OH 44103			

Original Construction Contract Amount	\$14,732,510.00
Previous Change Orders: No. One, Two, Three, Four, and Five	\$1,287,656.61
Change Orders This Estimate: None	\$0.00
Total Net Change Orders:	\$1,287,656.61
<u>Adjusted Contract Amount:</u>	<u>\$16,020,166.61</u>
Sub-Total To Date	\$14,722,514.10
Less Deductions: None	\$0.00
Gross Estimate, Work in Place 91.9 % Complete	\$14,722,514.10
Less Amount Reserved (Max. at 10% of 50% of adjusted C.V.)	\$801,008.33
Total Amount Allowed To Date:	\$13,921,505.77
Less Previous Estimates	\$13,582,269.37
Net Payment Request To Be Paid To Contractor:	\$339,236.40
Reserve Payment to Contractor:	\$0.00
<u>Balance to Finish: \$ 1,297,652.51 ✓</u>	<u>Accounting Auditor:</u>
Amount to be Reserved from Above	\$801,008.33
Less Previous Transfers To Reserve:	\$801,008.33
<u>Amount of Current Transfer</u>	<u>\$0.00</u>

Prepared by: 
 Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Date: 11-02-2023

Recommended by: _____
 Saju Sachidanandan, P. E.; NTH Consultants Ltd.

Date: _____

Recommended by: _____
 (for) Joel Brown, P.E. Oakland County WRC

Date: _____

Recommended by: _____
 Stephen Downing; Macomb County OPWC

Date: _____

Regular Pay Estimate No 32; October 01 through 31, 2023

Approved By Board On: _____

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the NI-EA OMID Contracts 2 A and 2 B - PCI 18 and 19 Rehabilitation
Located in the City of Detroit, Wayne County, Michigan
Project ID : TBD

Regular Construction Estimate No. Three (Contr. 2-A Only, N/I Contr. 2-B) Period: October 1 through 31, 2023

Department No.:	6010101	Account No.:	TBD
Fund No.:	FND84918	Program No.:	TBD
Project No.:	TBD	Activity:	FAC

Contractor:	Vendor # TBD Contract # TBD
Z Contractors, Inc.	LI # TBD exp. TBD
50500 Design Lane	Date of Contract: NTP 6/29/2023
Shelby Township, MI 48315	Final Completion Dates Oct. 28, 2024 (2A) & June 24, 2025 (2-B)
	Adjusted Final Completion Dates: Same

Original Construction Contract Amount	(Contract 2-A, Only)	\$9,488,650.00
Previous Change Orders: None		\$0.00
Change Orders This Estimate: None		\$0.00
Total Net Change Orders:		\$0.00
Adjusted Contract Amount: (Contract 2A Only)		\$9,488,650.00
Sub-Total To Date		\$1,083,494.99 ✓
Less Deductions: None		\$0.00
Gross Estimate, Work in Place	11.4 % Complete ✓	\$1,083,494.99
Less Amount Reserved (Max. at 10% of completed work)		\$108,349.50
Total Amount Allowed To Date:		\$975,145.49
Less Previous Estimates		\$221,217.89
Net Payment Request To Be Paid To Contractor:		\$753,927.60 ✓
Reserve Payment to Contractor:		\$0.00
Balance to Finish: \$ 8,405,155.01 ✓	Accounting Auditor:	
Amount to be Reserved from Above		\$108,349.50
Less Previous Transfers To Reserve:		\$24,579.77 ✓
Amount of Current Transfer		\$83,769.73 ✓

Prepared by: Lawrence T. Gilbert
 Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Date: 11-02-2023

Recommended by: _____
 Saju Sachidanandan, P. E.; NTH Consultants Ltd.

Date: _____

Recommended by: _____
 Jennifer Cook, P.E. Oakland County WRC

Date: _____

Recommended by: _____
 Stephen Downing; Macomb County OPWC

Date: _____

Regular Pay Estimate No. Three; October 1 through 31, 2023

Approved By Board On: _____

Agenda Item No. 10

Report/Update – Status of OMID
Project, Segments 1 through 4, NESPS,
NI-EA

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

F. Klingler, P.E., B. Kelly, P.E., FK Engineering Assoc.

S. Sachidanandan, P.E., L. Gilbert, P.E., NTH Consultants, Ltd.

J. Michalski, P.E., Applied Science, Inc.; T. Moore, Metco Services, Inc.

J. Matteo, P.E., Jacobs Consultants Inc.

November 13, 2023 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (November 6, 2023) for the work completed for the Oakland-Macomb Interceptor Drain Repair Program (SRF Segments 1-4; Contract 7 PCI-4 repairs; Maintenance Repairs in PCI-5 through PCI-11A; Control Structure Modifications; NIEA Repairs; NESPS Upgrades; Odor/ Corrosion Control System, and other related work):

SRF Segment 1 Status:

Contracts 1&2: Complete

System-wide Odor/Corrosion Study: Complete

Odor and Corrosion Control Design

- Project Budget: \$963,223.90
- Total Spent (approximate; through September 2023): \$825,000.00
- Effort is currently on time in accordance with Jacobs' latest design schedule.

Status of Major Project Tasks:

- Jacobs prepared and submitted the 90% Design package on October 24, 2023. The 90% Design package included the 90% Design drawings, specifications, overall project schedule, comment resolution form, and updated cost opinion. The 90% Design review workshop is scheduled for Monday, Nov 6, 2023.
- The design of the 15 Mile Road/ITC Corridor (CS-6) odor/corrosion control system is currently on hold until the terms for grant funding of the adjacent Sterling Heights parcel (east of the ITC Corridor) are clarified with the National Park Service (grant originator).
- Jacobs prepared and submitted the EGLE Part 41: Wastewater Permit application and prepared and submitted preliminary site plan and site plan permit application packages to the City of Sterling Heights. Jacobs also prepared and submitted an application to the Macomb County Department of Roads (MCDR) for construction in a right-of-way permit.
- Jacobs is supporting WRC on behalf of OMIDDD to identify construction contractor staging/storage area(s) for use during construction and to begin coordination with property owners.

SRF Segment 2 Status:

Contract 3 (Base Contract & C.O. 2E-2J): Complete

SRF Segment 3 Status:

Contract 4: Complete

SRF Segment 4 Status:

Contract 5A/5B: Complete

- City of Utica Use Agreement for access paths is pending; awaiting final authorization.

Contract 6: Complete

Contract 7 (NIEA 110 feet of Emergency Rehab): Complete

NESPS Odor/Corrosion Control System (No Segment or Contract No.): Complete

NESPS & OMID Maintenance, Operations & Upgrades Status:

Status of Emergency Contingency Plan for pumping during total power loss or other catastrophic system failure:

- Mersino is under contract for standby emergency bypass pumping. No activity this month.
- The OMIDDD Project Team has finalized design for keeping the 15 Mile Road bypass pumping arrangement (initially constructed in summer 2021) intact and buried below grade, pending final agreement with ITC and other easement owners. Currently under review by ITC, Sterling Heights, and coordinating with other easement holders. Final design package to be used to solicit bids from several OCWRC and MCPWS Blanket Contract Holders. Field work will follow after use of the area for storage of pipe for the MIDDD Segment 5 project.
- Remaining items in the final emergency plan include punch-list and optimization steps for electrification, modifications at the 15 Mile Road Site, and overall optimization of the Emergency Plan per above. The final plan document will be revised after final installation of the emergency pumping conveyance conduit.

Additional work being performed under Metco Maintenance Contract for NESPS:

- Mechanical and Electrical corrective/preventative maintenance schedules continue.
- Coordination between OMIDDD, GLWA, MIDDD, NESPS, and Pump/Electrical Upgrade Project is ongoing and has not impacted station operations or the ability to meet demand.
- The wet well elevator remains disabled, with re-construction plans in progress. Final completion is projected for 2024.
- The quarterly wet well bar screen cleaning is scheduled for January 2024. The north bar screen was cleaned on September 27, 2023 during wet well isolation for Pump 5 knife gate valve (KGV 5) installation. The south bar screen remains in good condition with a cleaning date still to be determined. The project team decided on September

19, 2023 to discontinue periodic sediment inspections. AEW produced a closeout memo documenting data collected to date.

- The 25-ton crane is back in service, with a repair report on file. The four-ton crane is on standby. An annual inspection has been requested on both the 25-ton and four-ton cranes by end of year.

Overall NESPS Station Performance Report by METCO:

- Mechanical: Sanitary Pumps #1 #2, #3, #5, and #6 ready for duty (Pumps 1 and 3 provisionally approved for use). Total Pumping Capacity equals 550 CFS. Contract Capacity 423cfs. Firm Capacity 400cfs.
- Sanitary Pump #4 (P4) is currently out of service. The P4 Variable Frequency Drive (VFD) has failed catastrophically and the unit is no longer serviceable. A VFD proposal/quote was submitted to OMIDDD/Metco from Toshiba. After a complete review, Metco recommended the proposal appropriate for processing. A purchase order for a new Toshiba MV 2000HP VFD Drive was submitted by Rotor on October 27, 2023. The drive unit is in stock and reserved with an expected lead time of 28 weeks.
- New Sanitary Pumps #1 and #3 remain on limited (less than specified) pumping capacity, while provisionally approved by OMIDDD for use. Operational use of both Pumps #1 and #3 has been approved, in writing, by Flowserve. After ongoing efforts to mitigate pump capacity issues, pressure taps on the suction pipe are being installed per Flowserve recommendation, in order to better diagnose the proper resolution to the issue. Both Pumps 1 and 3 will not be operational November 13, 2023 due to pressure tap installations.
- The wet well dewatering pump remains ready for duty.
- Sanitary Pumps #1 and #3 run in combination with Sanitary Pumps #2 and #6 routinely. Sanitary Pump #5 remains as back-up.
- Errors such as “vibration fault”, “motor fault”, and “running trips” that plagued both P1 and P3 in the previous reporting period have subsided. Visits from components manufactures MEG, Schneider, and Kinetics proved beneficial in resolving pump trips and faults.
- NESPS/GLWA LOTO (Lock-Out Tag-Out) final forms are complete. All personnel are required to fill out forms before any sewer entry. There have been no issues with LOTO procedures during this reporting period.
- The primary switchgear in the existing station remains double-ended with two sources of utility power (Transformer #3 and Transformer #4). Generator back-up is available if needed to power pumps P2, P5, and P6. DTE completed a scheduled 3 day “System Maintenance” task which shut down Transformer #4 (T4). T4 was brought back online October 27, 2023 without any issues.
- Dry well submersible sump Pumps #1 and #2 are in service and ready for duty.
- Specific data logging software continues to monitor Sanitary Pump #2 VFD drive PLC. This software was instrumental in detecting the VFD faults experienced November 14, 2022, which disabled the pump.
- CMMS: NEXGEN asset management in use. Monthly status meetings are being held with OMID. Contractors are fulfilling their requirements with no outstanding issues to report.
- HVAC: Gas detection is in use. Rounds are conducted daily. Unit air filters are restocked and changed as required. Erratic spikes of H2S and methane have triggered alarm sirens and strobes inside the Pumpstation. Troubleshooting has determined that a faulty drywell chamber sensor is likely the issue. All personnel have been notified of the issue and told to resort to personal gas monitoring until corrections are made. An MSA technician is scheduled to be on site the week of November 6, 2023.

- Bio Filter performance has been acceptable. We received a few odor complaints from EGLE; origin is not clear.
- Overall General Housekeeping tasks remain in order. Minor maintenance activities continue to be addressed in a timely manner.

Control Structures Performance Report (CS-5, CS-6, CS-7, CS-8):

- Daily flow control operations continue to support MID/OMID/NIEA repair and improvement projects. (Weather permitting)
- Semi-Annual Preventative Maintenance completed.
- All LOTO protocols are in place.
- System-wide communications are good.
- CS-6 gate is in stand-by mode and ready for service. CS-6 Pumpstation dewatering Pumps were cycled November 3, 2023 without any issues.
- CS-8 in stand-by mode and ready for service.
- CS-5 in stand-by mode and ready for service.
- CS-9 in stand-by mode and ready for service. Warranty-related issues are being addressed. Hydraulic leaks at both Gate #1 and #2 continue to cause a downward drift from the 100% open position. On October 12, 2023 Sunsource replaced seals on both gate cylinders after inspections revealed oil leakage. A return visit has been scheduled for November 14, 2023 by Walsh. CS-9 Storage and Release modes perform without issue and provide daily flow control support.
- Routine daily rounds and inspections made.

Other System Operation Issues

- O&M Manual is currently being revised to include new structures, recently modified structures, new monitoring equipment, and recent inspection and repair status.
- EGLE has informally agreed to consent to use of all flow control structures for long term flow control. Request for formal consent is promised but not yet received.

OMID Control Structure Upgrades Status:

- ASI continues design of major upgrades to control structures which takes into consideration long-term operability.
- Initial inspections, planning, and Basis of Design are complete.
- 90% Design package submitted to OMID for review.
- Start of the work is planned for Fall of 2024.

OMID System 3-Year Spot Repairs Status: Complete

OMID System 6-Year Inspection Status:

- All inspections are complete and final report is under internal review.

NIEA Repairs (Design/Construction)

Contract 1 (PCI-4 Rehabilitation): In Construction

Amt Invoiced: Construction cost to date is \$14,722,514.1, representing approx. 91.9% of the adjusted Contract value.

Schedule Status: The adjusted Substantial Completion date is April 12, 2023. The Contractor is operating approximately 200 plus days behind the adjusted schedule, with time extensions requests under consideration. The Contractor has improved productivity during this reporting period. An accounting of Liquidated Damages is included with each payment application, shown as a debit against the retention account; however, funds will not be withheld until a final reconciliation of the schedule is completed.

Contract 1 (PCI-4 Rehabilitation) Construction Status:

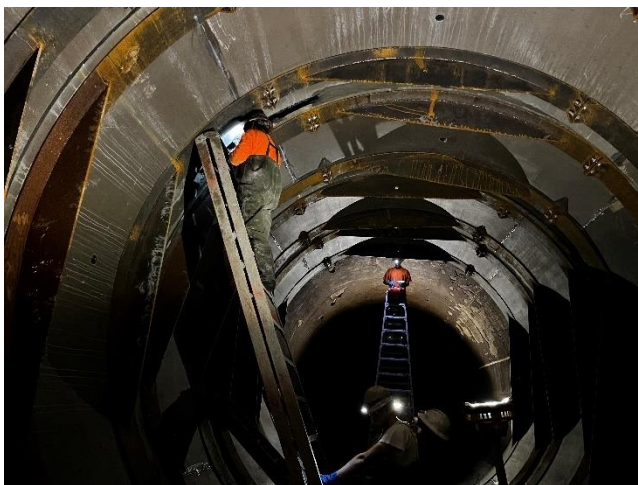
- Approximately 1,334.5 linear feet of Channeline lining has been grouted in place.
- Approximately 180 feet of the Quakewrap liner has been grouted in place.
- Installation of the RockHard SCP liner (approximately 186 feet planned) is complete with 100% of the segments installed and fully grouted. Work is currently underway on the transition and end-taper segments of the lining. Access Structure work will begin in November 2023.
- The current construction cost to date is \$14,722,514.1, representing 91.9% of the total current contract value. Overall completion of the project is expected by year-end, 2023.
- Geotechnical monitoring of construction activities at the access shaft location indicates continuing stable conditions.



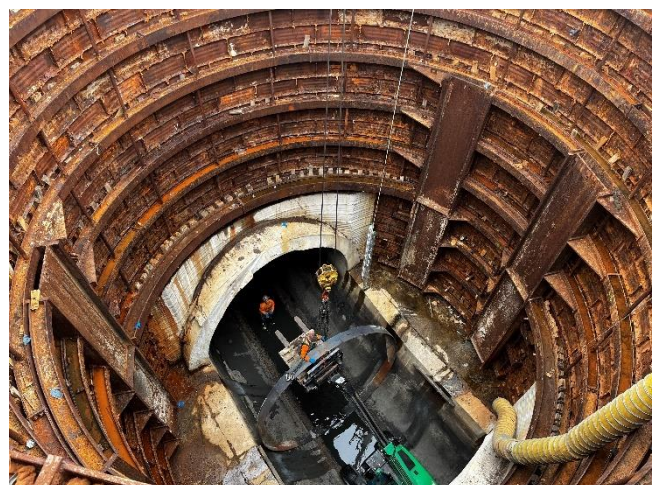
Ongoing assembly and bracing of RockHard pipe sections



Lowering RockHard pip section into shaft for installation



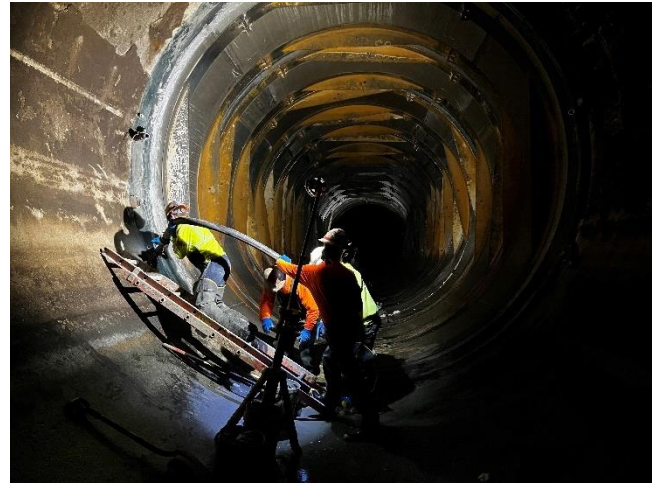
Joint patching and bulkhead construction ahead of grouting efforts



Removing internal bands on installed pipe sections



Installation of RockHard pipe section



Grouting final RockHard pipe section

Contract 2A (PCI-18/19 Rehab): In Construction

Amt Invoiced: \$245,797.56 out of \$12,596,800 (construction, Contract 2A only)

Schedule Status: Contract 2A: Approximately 42 days behind as a result of permit issues; this time will be credited to the Contractor, with no increase in budget.

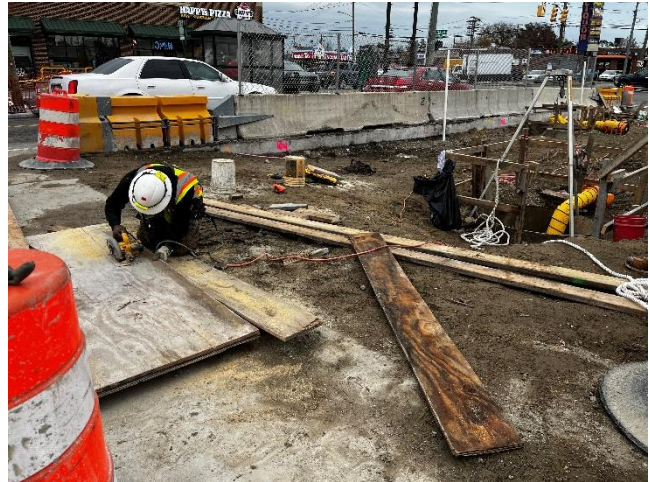
Contract 2 (PCI -18/19 Rehabilitation) Design Status:

- Physical work is commencing following a “Right of Entry” agreement with the City of Detroit for a laydown area at East Brentwood Street and Van Dyke.
- The Contractor has prepared the site laydown area (Van Dyke Ave at E. Brentwood St.). Traffic control equipment has been moved on site, and MDOT has approved the temporary traffic control plan with work also underway on signal, lane closure, and signage revisions.
- An informational flyer explaining the project has been delivered to residents and local businesses.
- The third Application for Payment for work performed by the contractor (\$753,927.60 for total billings to date of \$1,083,494.99) has been received and is under review by the Project Team
- Work has been progressing on the installation of stabilizing ribs in the existing 7 Mile Road (DWSD) sewer and the OMID 8’ dia. adit sewer as well as other general site work.
- The **draft** line item schedule and budgets for OMID NIEA Contracts 1 and 2 are summarized:

Work Item/ Milestone	Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
Lining Study Final Report	\$126,744		10/30/2019
90%, 100% Design Package			3/20/2020 and 4/28/2020 (Contract 1) 4/16/2021 and 10/1/22 (Contract 2)
Issued for Bid			6/10/2020 (Contract 1) 11/4/22 (Contract 2)
Bid Opening			9/30/2020 (Contract 1) 3/1/23(Contract 2)
Contract Award and NTP			12/16/2020 and 1/04/2021 (Contract 1) 6/20/23 and 7/1/23 (Contract 2)
Subtotal - Design	\$2,400,570		
Substantial Completion of Construction	\$3,500,000	\$28,630,000	Contract 1, projected SC at 8/17; FC 9/12 Contract 2A& B, est. 10/28/24 and 6/25/25.



Preparation for formwork between 8' sewer and PCI-4



Contractor preparing formwork



Contractor lowering in formwork for bulkhead



Connection of 8' sewer to PCI-4



Site status November 6, 2023

NESPS Pump and Electrical Upgrades Project

Budget Status: The total construction amount invoiced as of September 31, 2023, is \$39,650,921.41 out of \$49,380,498.11 (including the now completed and operational Control Structure 9 Bulkhead Gate facility and adjusted for stored material inclusion in major work activities), representing 79% of the Pump & Electrical Upgrades Project, with additional change order additions equalizing the regular work completion values.

Schedule Status: Work is currently delayed by issues related to performance testing at Pump #1 and #3. The Contractor is working on an enhanced schedule to make up time but there is currently an estimated delay in excess of 18 months.

The following Design Team and Construction Services Effort is active:

- Construction Phase services (RFIs, Submittals) are ongoing, and the engineering team is reviewing and responding.
- The new Sewage Pump #1 and #3 and Motor have been installed, with in-place testing in progress. Both pumps are provisionally approved for use but are operating below design capacity.
- A review of alternative energy saving methods and pump sequence remains ongoing, incorporating GLWA SCC comments.
- Installation of small diameter conduit runs, lighting improvements, and wiring in the existing NESPS building is approaching substantial completion.
- Steel discharge piping for Pump 6 has been shipped to the site. All of the discharge piping is now inventoried at the jobsite.
- The August 23, 2022 Arc-Flash incident remains under investigation. The Construction Manager has filed a claim on the OCIP Builder's Risk insurance coverage for this event.
- Schedule adjustments are currently under discussion. The Contractor has revised the sequence of rehabilitation for the existing Pump Knife Gate Valves: KG#1 and #2 have been re-installed after rehabilitation. KG #5 is rehabbed and installed.
- Work on the alternate discharge piping installation for the Dewatering Pump is complete.
- Work on removal and replacement of the site concrete paving is well underway with Phase I and Phase II of the layout substantially complete, and Phase II paving now also complete. An isolated area of soil contaminated by historical diesel fuel spills was encountered adjacent to the standby Generator complex. After an environmental assessment, this material has been disposed of at Type II landfill.

The **draft** line item schedule and budget are summarized:

Work Item/ Milestone	Design/CCA Budget	Const Budget	Estimated Delivery Date
2 Final Basis of Design			5/31/2019
7 MDEQ Submittal (Part 41 Permit)			4/8/2020 (initial pkg)
8 90% Design Submittal			6/30/20
9 Final Package Development			8/14/2020
Subtotal	\$3,826,000		
10 Substantial Completion	\$2,500,000 (est.)	\$49,380,000	5/30/2024 (late)
11 Final Completion		\$49,380,000	8/23/2024 (late)



**NESPS Refurbishment
Project Location**



Concrete pavement pour (Phase I)



Contractor demolishing P4 panel footing



Installation of Pump #5 actuator



Concrete pavement pour (Phase II)



Final epoxy coat at new electrical building

OMID Improvements at CS-6 Site (lining btwn CS-12 & CS-4)

OMIDDD work under this contract includes debris removal and lining between CS-4 and Manhole 7-109 (CS-6 and CS-12 site). Debris removal upstream of CS-12 has continued with skid loaders, with about 4,800 feet cleaned and around 3,600 tons removed. Debris removal and lining downstream (OMIDDD section) will begin after lining upstream of CS-12 is complete. Debris removal is currently projected to be complete by the end of November, 2023. All Hobas pipe sections have been delivered to the site.



Lowering debris removal equipment into MH-12A-5



Loading debris into roll-off bins

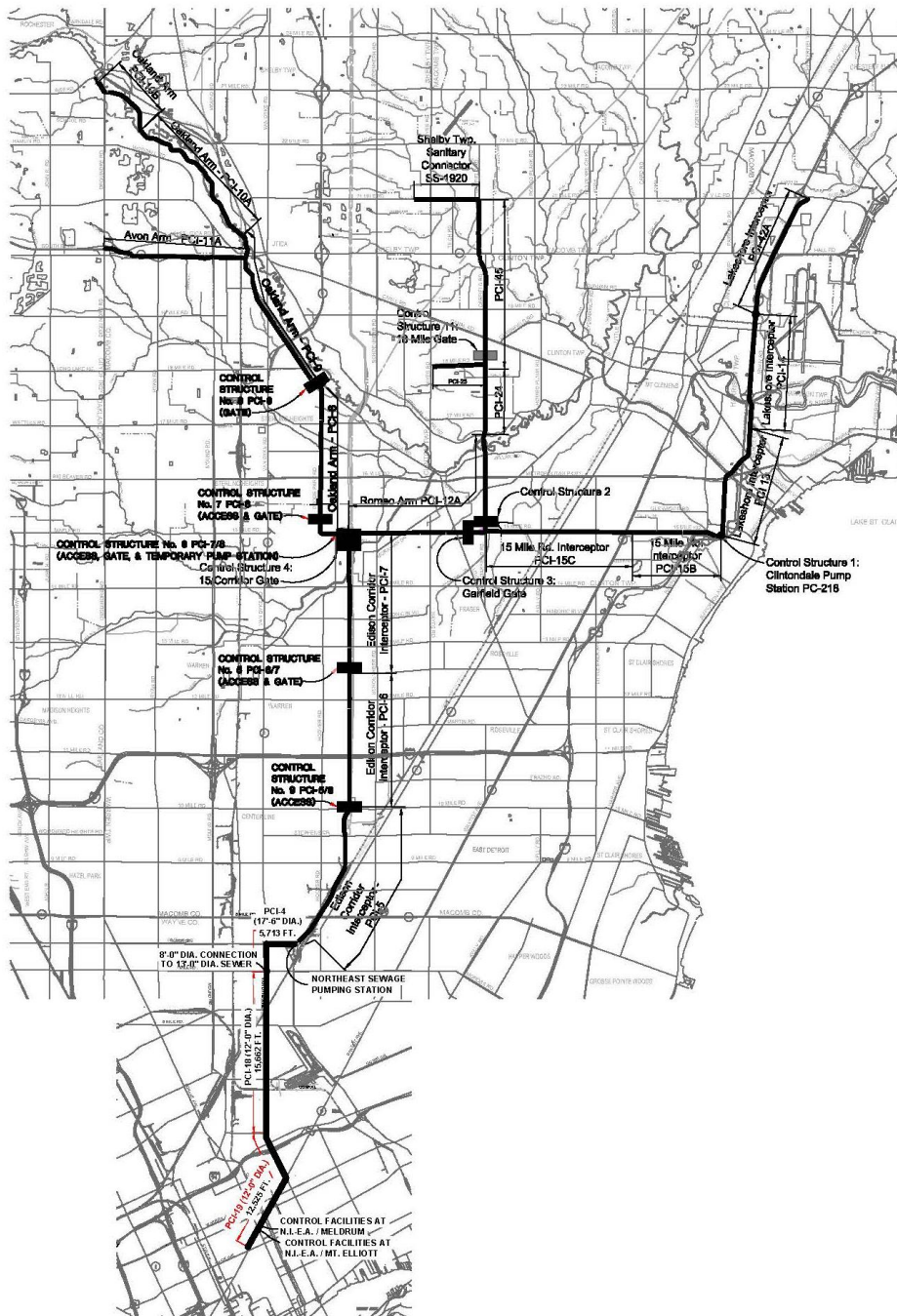


Contractor working on CS-12 pumps.

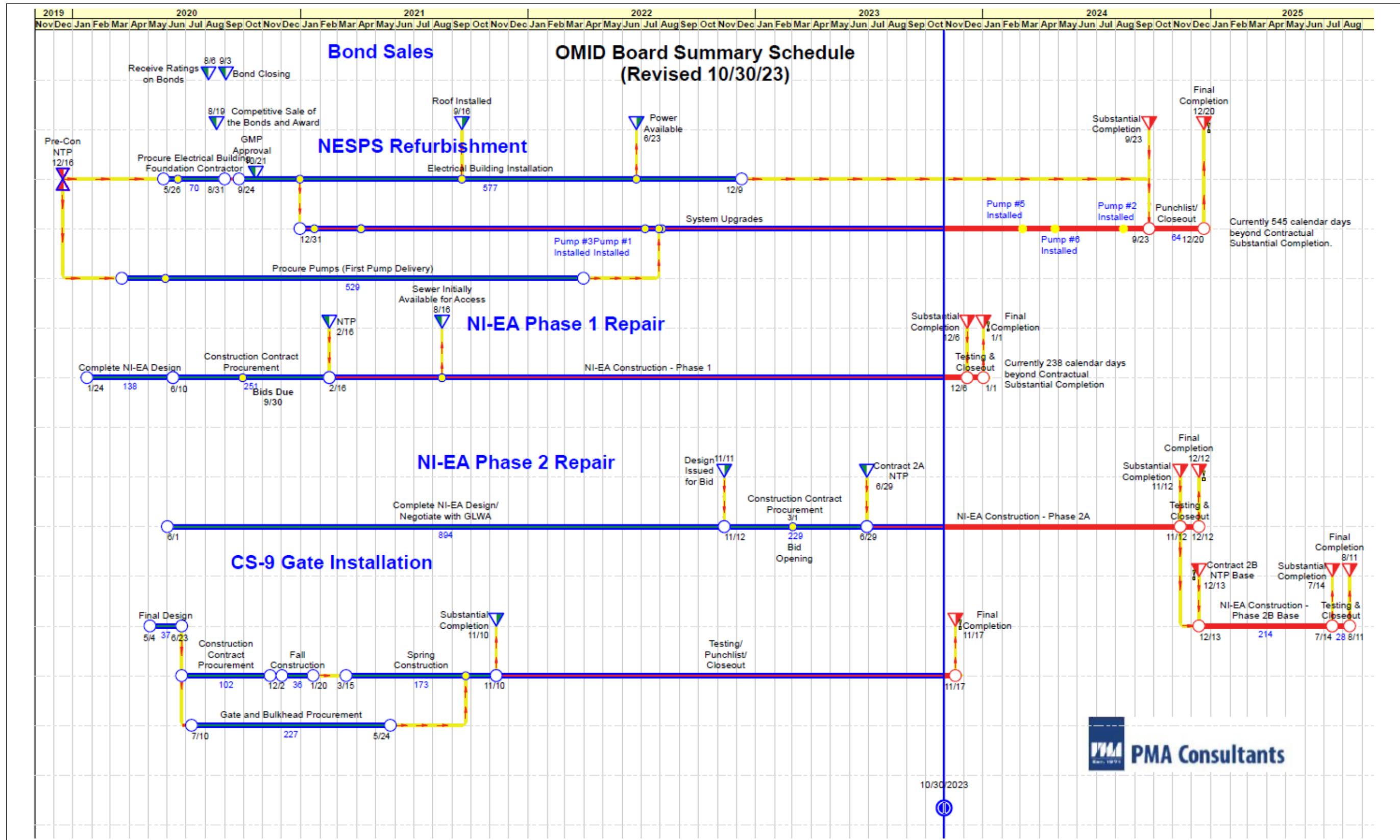
Summary of OMID Design and Construction Status:

Work In Construction Since 2009							
Seg. No	Contract No. (Description)	Contractor	Const. Comp?	As-Builts Final?	Balancing Change Order?	Contractor Closed Out?	Easements Settled?
1	Contract 1 (CS-9, 5, 3)	Ric-Man	Y	Y	Y	Y	Y
1	Contract 2 (CS-6, 7, 8)	Ric-Man	Y	Y	Y	Y	Y
2	Contract 3-2E (Gatehouse)	IWPC (Weiss)	Y	Y	Y	Y	N/A
2	Contract 3 (Grouting PCI-5 thru 8)	IWPC	Y	Y	Y	Y	Y
3	Contract 4 (Lining PCI-5 thru 8)	Jay Dee Cont.	Y	Y	Y	Y	Y
4	Contract 5 (Lining PCI-9, 10A/B)	Lanzo	Y	Y	Y	Y	N
4	Contract 6 (Lining PCI-11A)	Lanzo	Y	Y	Y	Y	Y
N/A	Contract 7 (Lining 110' of NIEA)	IWPC	Y	Y	Y	Y	N/A
N/A	Odor/Corrosion Control System	CSM	Y	Y	Y	Y	N/A
N/A	Control Structure Modifications	CSM/Hesco/MCE	Y/Y/Y	Y/Y/N	Y/Y/N	Y/Y/N	N/A
N/A	OMID Maintenance Repairs	Doetsch	Y	N	N	N	N/A
N/A	CS-9 Gate Modifications	Walsh as CMR	Y	Y	N	N	Y
N/A	NESPS Pump & Electrical Upgrade	ASI;Walsh as CMAR	N	N	N	N	Y
N/A	NIEA-OMIDDD Contract 1 (PCI-4)	Marra	N	N	N	N	N
N/A	NIEA-OMIDDD Cont 2 (PCI-18/19)	Z Contractors	N	N	N	N	N

Work Currently in Design/Study/Engineering		
Description	Design Consultant	Status
System-wide Odor/Corrosion Design	Jacobs	Study Complete, Design Ongoing
NESPS & OMID Maintenance & Repairs	Metco	Engineering/Maintenance Ongoing
Emergency Pumping Plan	ASI/NTH/FKE	Draft Plan to be modified following ITC bypass pumping modifications



Overview of OMID System in Oakland, Macomb, and Wayne County



OMID Project Schedule Summary

MID/OMID Construction Schedule

Project	Work Location	Owner	Lead Engineer	Contractor	2023	2024												2025												MID/OMID Control Devices Required to Store Flow	Concurrent Work Notes																																								
					N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	CS-2	CS-3	CS-5	CS-6	CS-6 PS	CS-7	CS-8	CS-9			CS-12	CS-13	CPS	PC663 Gate																																				
Segment 6 Lining	15 Mile upstream of Garfield (15 Mile Interceptor)	MID	FKE	Ric-Man																									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Flow control on pause but upcoming. May work concurrent with Segment 5 or NIEA rehabilitation. Schedule is estimated.								
	15 Mile upstream of Garfield & between CS-2/CS-3 (Romeo Arm)	MID	FKE	Ric-Man																									Y	Y	N	-	-	-	-	-	-	H	Y	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	May work concurrent with Segment 5 or NIEA rehabilitation. Flow control conditions at the CS gates is similar with the exception of utilizing CS-2. Schedule is estimated.								
Segment 5 Lining*	15 Mile between ITC Corridor & Eberlein	MID	FKE	ORC																									-	Y	N	Y	-	Y	Y	-	Y	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	If work is concurrent with NIEA rehabilitation; CS-9 is required. Flow control dates may change depending on sediment removal means and methods. Current projected finish is 8 months late.							
NIEA Rehabilitation (Downstream of NESPS)	PCI-4 Shaft & Lining (Contract 1)	OMID	NTH	MARRA																									-	Y	N	Y	-	Y	Y	Y	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	If work is concurrent with Segments 5 & 6 Lining; CS-9 is required.							
	PCI-18/19 Flow Control Structures (Contract 2A)	OMID	NTH	Z Contractors																									-	Y	N	Y	-	Y	Y	Y	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Shaft construction. MID/OMID flow control may be required depending on 7-Mile Relief Inter-Connection and PC-663 Gate status. Coordination with GLWA and downstream system when flow is diverted to 7 Mile Relief.						
	PCI-18/19 Spot Repairs and Linings (Contract 2B)	OMID	NTH	Z Contractors																									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PC-663 Gate closure will divert flow to 7 Mile Relief Sewer. Coordination with GLWA and downstream system when flow is diverted to 7 Mile Relief. NESPS should operate normally to pass DWF rates. (10/2024 to 5/2025)				
OMID CCTV Inspection	Throughout System	OMID	NTH	Doetsch																									-	Y	Y	Y	-	Y	Y	-	n/a	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Present work is in upstream manholes so limited flow control necessary. Flow control will be required within certain reaches to facilitate.					
CS-9 Gate Level Sensor Work	CS-9	OMID	NTH	Walsh																									-	Y	Y	Y	-	Y	Y	Y	n/a	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Level Sensor replacement				
NESPS Improvements	NESPS Pump Replacement	OMID	ASI	Walsh																									-	Y	-	Y	-	Y	Y	Y	-	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Will require brief flow control for pump installation, gate installation, and electrical work.				
DB-226 DRI Repairs (Reach 2A - 3B)	GLWA - DRI	GLWA	FKE	Jay Dee																									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Can be effected by flows rerouted from the NIEA to the DRI. Project status changes in late 2024 following completion of Reach 3B after which flow control for NIEA C2B is not impacted..		
Rigid Seal Study	NESPS Discharge Chamber	OMID	NTH	TBD																									-	Y	Y	Y	-	Y	Y	Y	n/a	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Schedule to be confirmed. Reuires 2-3 Days		
Inspection and Repair of Discharge Chamber Riser	NESPS Discharge Chamber	OMID	NTH	TBD																									-	Y	Y	Y	-	Y	Y	Y	n/a	-	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Schedule to be confirmed.		
Flow Control Structure Rehabilitation	CS-5, CS-6, CS-7, CS-8	OMID	ASI	TBD																									N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Work will take CS Structures out of Service during Gate and Operator modifications.		
MID Inspection	Routine Inspection of MID Manholes & Interceptors	MID	NTH	Doetsch																									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Work time and schedule TBD at this time.	
PSPS / COSDS Work (PSPS Shutdown)	PSPS	WRC	n/a	n/a																									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Diversion to PSPS is 10 MGD. Scheduled shut down of PSPS from September may extend into first part of October; no flow diversion to Pontiac WWTP (CRWRRF) during this time. Will significantly impact storage capabilities on the Oakland Arm CS gates.

Table updated on 11/1/2023. Estimates to be updated as necessary.

* Flow control will be required for sewer cleaning, cschedule on-going. Flow control requirements are TBD based on contractor means & methods, not reflected in "Control Devices Required to Store Flow" section.
 * Flow control will be required for sewer lining (Schedule TBD). Flow control CS requirements are defined in the "Control Devices Required to Store Flow" section.
 PSPS and ELPS operations can significantly impact storage times upstream of CS-6, 7 & 8 and subsequently downstream control structures. Coordination & alerting for ELPS, PSPS, WRC Meters 1222/1223 & 1000 required.

Y = Required to store
 N = Required to not store
 H = Helpful to extend work times. *If available when not required for concurrent work.*
 - = Irrelevant

Summary of OMID Flow Control Requirements for Ongoing and Future Projects

Agenda Item No. 11

Financial Reports – General Financial Report and
Status of State Revolving Fund Financing and
Other Financing

YTD Trial Balance Fund: 84917 Oakland Macomb InterceptorSeg5 As of Fiscal Period: Month 1, 2024		OMID SEGMENT 5 BOND ISSUE PRJ-13252	OMID NI-EA CONSTRUCTION PRJ-13308	NESPS MECH-ELEC CONSTRUCTION PRJ-13309	YTD Balance
100100	Cash - Operating	2,015,271.38	6,532,994.47	14,420,874.96	22,969,140.81
104100	Accrued Interest on Investment	(167,703.74)			(167,703.74)
	ASSETS	1,847,567.64	6,532,994.47	14,420,874.96	22,801,437.07
201210	Vouchers Payable AP Cont		(267,103.90)	(928,907.02)	(1,196,010.92)
222300	Unearned Revenues	576,414.65	(2,407,672.79)	(4,956,470.90)	(6,787,729.04)
	LIABILITIES	576,414.65	(2,674,776.69)	(5,885,377.92)	(7,983,739.96)
655000	Income From Investments				0.00
	REVENUES	0.00	0.00	0.00	0.00
730000	Contractual Services		(30,000.00)	(51,518.53)	(81,518.53)
770000	Internal Support Expenditures		1,057.39	3,229.77	4,287.16
	EXPENSES	0.00	(28,942.61)	(48,288.76)	(77,231.37)
381315	FB Restricted Debt	(47,288,433.00)			(47,288,433.00)
382100	FB Committed for Capital Proj	44,864,450.71	(3,829,275.17)	(8,487,208.28)	32,547,967.26
	Fund Balance	(2,423,982.29)	(3,829,275.17)	(8,487,208.28)	(14,740,465.74)
		0.00	(0.00)	0.00	0.00

Cash as of 10/31/2023 \$ 22,969,140.81

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (834,705.05)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (121,798.56)

Total Net Cash Balance \$ 22,012,637.20

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13308 OMID NI-EA CONSTRUCTION
Budget Structure Project Task
Period FY2024 - Oct

Project	Final Budget	Actuals MTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	28,395,600.00	(28,942.61)	(28,942.61)	(28,942.61)	22,129,709.43	6,265,890.57
1 > Administration	584,000.00	0.00	0.00	0.00	175,749.40	408,250.60
1 > Contingency	2,581,000.00	0.00	0.00	0.00	0.00	2,581,000.00
1 > Engineering	478,000.00	436.28	436.28	436.28	211,228.90	266,771.10
1 > Engineering Consultants	4,913,000.00	(20,000.00)	(20,000.00)	(20,000.00)	5,395,048.76	(482,048.76)
1 > Facility Acquisition	17,983,600.00	0.00	0.00	0.00	15,828,976.04	2,154,623.96
1 > Inspection	260,000.00	0.00	0.00	0.00	0.00	260,000.00
1 > Legal and Financial	1,259,000.00	(10,000.00)	(10,000.00)	(10,000.00)	237,060.59	1,021,939.41
1 > Right of Way	265,000.00	621.11	621.11	621.11	82,480.40	182,519.60
1 > STANDARD	40,000.00	0.00	0.00	0.00	199,165.34	(159,165.34)
1 > Survey	32,000.00	0.00	0.00	0.00	0.00	32,000.00
Project Revenues	0.00	0.00	0.00	0.00	25,987,927.21	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	4,022,827.56	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	21,965,099.65	
Revenue Over/ (Under) Expenses					3,858,217.78	

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13309 NESPS MECH-ELEC CONSTRUCTION
Budget Structure Project Task
Period FY2024 - Oct

Project	Final Budget	Actuals MTD	Actuals YTD	Total Spend	Actuals LTD	Variance
Project Expenses	54,086,000.00	(48,288.76)	(48,288.76)	(48,288.76)	40,594,032.06	13,491,967.94
1 > Administration	620,000.00	0.00	0.00	0.00	44,419.06	575,580.94
1 > Contingency	4,917,000.00	0.00	0.00	0.00	0.00	4,917,000.00
1 > Engineering	446,000.00	299.21	299.21	299.21	281,780.90	164,219.10
1 > Engineering Consultants	3,987,000.00	(31,518.53)	(31,518.53)	(31,518.53)	3,249,070.90	737,929.10
1 > Facility Acquisition	40,857,000.00	0.00	0.00	0.00	35,391,120.42	5,465,879.58
1 > Inspection	285,000.00	2,930.56	2,930.56	2,930.56	392,606.45	(107,606.45)
1 > Legal and Financial	2,417,000.00	36,410.00	36,410.00	36,410.00	287,760.49	2,129,239.51
1 > Right of Way	393,000.00	0.00	0.00	0.00	0.00	393,000.00
1 > STANDARD	130,000.00	(56,410.00)	(56,410.00)	(56,410.00)	945,123.53	(815,123.53)
1 > Survey	34,000.00	0.00	0.00	0.00	2,150.31	31,849.69
Project Revenues	0.00	0.00	0.00	0.00	49,129,529.10	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	7,291,907.09	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	41,837,622.01	
Revenue Over/ (Under) Expenses					8,535,497.04	

YTD Trial Balance Fund: 84918 NIEA Contract #2 As of Fiscal Period: Month 1, 2024		NIEA Contract #2 Bond Issue PRJ-17384	NIEA Contract #2 Construction PRJ-17408	YTD Balance
100100	Cash - Operating	73,649.64	15,340,503.28	15,414,152.92
104100	Accrued Interest on Investment	(4,894.64)		(4,894.64)
	ASSETS	68,755.00	15,340,503.28	15,409,258.28
201210	Vouchers Payable AP Cont	(25,275.00)	(284,413.14)	(309,688.14)
230852	Accounts Payable	(43,480.00)		(43,480.00)
	LIABILITIES	(68,755.00)	(284,413.14)	(353,168.14)
697551	Issuance of Bonds		0.00	0.00
	REVENUES	0.00	0.00	0.00
730000	Contractual Services		(73,488.34)	(73,488.34)
	EXPENSES	0.00	(73,488.34)	(73,488.34)
382100	FB Committed for Capital Proj		(14,982,601.80)	(14,982,601.80)
	Fund Balance	0.00	(14,982,601.80)	(14,982,601.80)
		0.00	(0.00)	(0.00)

Cash as of 10/31/2023 \$ 15,414,152.92

Invoices/Reimbursements for Bond PRJ-17834 on Current Agenda impacting Cash Balance 0.00

Invoices/Reimbursements for Construction PRJ-17408 on Current Agenda impacting Cash Balance (909,782.24)

\$ 14,504,370.68

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-17408 NI-EA C2 PCI 18&19 Rehab
Budget Structure Project Task
Period FY2024 - Oct

Project	Final Budget	Actuals MTD	Commitments	Obligations	Actuals YTD	Total Spend	Actuals LTD	Variance
Project Expenses	15,600,000.00	(73,488.34)	0.00	0.00	(73,488.34)	(73,488.34)	303,159.57	15,296,840.43
1 > Administration	95,287.00	0.00	0.00	0.00	0.00	0.00	0.00	95,287.00
1 > Contingency	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1 > Engineering	235,465.00	0.00	0.00	0.00	0.00	0.00	0.00	235,465.00
1 > Engineering Consultants	2,089,000.00	0.00	0.00	0.00	0.00	0.00	63,195.25	2,025,804.75
1 > Facility Acquisition	12,596,000.00	(24,579.77)	0.00	0.00	(24,579.77)	(24,579.77)	221,217.89	12,374,782.11
1 > Inspection	230,037.00	0.00	0.00	0.00	0.00	0.00	0.00	230,037.00
1 > Legal and Financial	279,000.00	(67,655.00)	0.00	0.00	(67,655.00)	(67,655.00)	0.00	279,000.00
1 > Right of Way	42,000.00	0.00	0.00	0.00	0.00	0.00	0.00	42,000.00
1 > STANDARD	15,796.00	18,746.43	0.00	0.00	18,746.43	18,746.43	18,746.43	(2,950.43)
1 > Survey	17,415.00	0.00	0.00	0.00	0.00	0.00	0.00	17,415.00
Project Revenues	0.00	0.00	0.00	0.00	0.00	0.00	15,359,249.71	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	0.00	0.00	9,562,443.00	
RC697219 - Premiums on Bonds Sold	0.00	0.00	0.00	0.00	0.00	0.00	176,878.45	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	0.00	0.00	5,619,928.26	
Revenue Over/ (Under) Expenses							15,056,090.14	

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-17384 OMIDDD NIEA Contract2 Bond Adm
Budget Structure Project Task
Period FY2024 - Oct

Project	Actuals MTD	Commitments	Obligations	Actuals YTD	Total Spend	Actuals LTD
Project Expenses	0.00	0.00	23,980.00	0.00	23,980.00	124,622.50
1 > Administration	(25,275.00)	0.00	0.00	(25,275.00)	(25,275.00)	99,347.50
1 > Legal and Financial	25,275.00	0.00	23,980.00	25,275.00	49,255.00	25,275.00
Project Revenues	0.00	0.00	0.00	0.00	0.00	124,622.50
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	0.00	0.00
RC655077 - Accrued Interest Adjustments	0.00	0.00	0.00	0.00	0.00	(4,894.64)
RC655385 - Income from Investments	0.00	0.00	0.00	0.00	0.00	19,445.40
RC697219 - Premiums on Bonds Sold	0.00	0.00	0.00	0.00	0.00	0.00
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	0.00	110,071.74
Revenue Over/ (Under) Expenses						0.00

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMIDD Meeting Date 11/13/2023

Payable To	Invoice #	84917	84917	84918	82912	Total
		1-3308	1-3309	1-7408		
		<u>Segment 5 NIEA Construction</u>	<u>Segment 5 NESPS Mech / Electric Construction</u>	<u>NIEA Contract #2 Construction</u>	<u>Operations & Maintenance</u>	
Oakland County *	WRC Labor/Fringes/Non-direct Labor (08/26/2023 - 09/22/2023)	5,094.91	9,247.73			14,342.64
Oakland County *	WRC Equipment (08/26/2023 - 09/26/2023)	133.93	312.93			446.86
Applied Science, Inc	Invoice # 56 (ASI Inv. #8535) Services 10/01/23 to 10/28/23		77,924.81		6,644.00	84,568.81
Applied Science, Inc	Invoice # 56A (ASI Inv. #8536) Services 8/27/23 to 9/30/23		2,192.13			2,192.13
City of Sterling Heights	Invoice # 1360901 Matter 463149 Vendor Dispute - Walsh Const. Through 09/30/2023		11,602.50			11,602.50
Clark Hill PLC	SIR Zoning Board Of Appeals Recording Fee Tax ID 10-23-101-012 Macomb County				100.00	100.00
Kennedy Industries	Invoice # 636357 - NESPS Field Service 04/21/2023				1,712.00	1,712.00
Lardner Elevator Company	Invoice # 198731 NESP Elevator Service for August, 2023				204.00	204.00
Lardner Elevator Company	Invoice # 199161 NESP Elevator Service for October 2023				204.00	204.00
METCO Consulting Engineers	Invoice # 1811-58 10/02/2023 Through 10/29/2023				96,764.28	96,764.28
Motor City Electric Technologies	Invoice # 95253A T&M NESPS SCADA Work 06/20/2023				180.00	180.00
Motor City Electric Technologies	Invoice # 95330A T&M NESPS SCADA Work 04/05/23 & 06/01/2023				585.00	585.00
Motor City Electric Technologies	Invoice # 953332A T&M NESPS SCADA Work 06/02/2023				135.00	135.00
Motor City Electric Technologies	Invoice # 953333A T&M NESPS SCADA Work 06/28/2023				135.00	135.00
Motor City Electric Technologies	Invoice # 9533334A T&M NESPS SCADA Work 08/04/2023				315.00	315.00
Motor City Electric Technologies	Invoice # 9533335A T&M NESPS SCADA Work 08/11/2023				360.00	360.00
Motor City Electric Technologies	Invoice # 9533336A T&M NESPS SCADA Work 08/17/2023				90.00	90.00
Motor City Electric Technologies	Invoice # 9533367 T&M NESPS SCADA Work 06/28/2023				135.00	135.00
Motor City Electric Technologies	Invoice # 9533369 T&M NESPS SCADA Work 09/08/2023				270.00	270.00
Motor City Electric Technologies	Invoice # 9533370 T&M NESPS SCADA Work 08/15/2023 & 08/18/2023 & 08/21/2023				450.00	450.00
Motor City Electric Technologies	Invoice # 9533371 T&M NESPS SCADA Work 09/11/2023				405.00	405.00
Motor City Electric Technologies	Invoice # 9533372 T&M NESPS SCADA Work 09/12/2023				180.00	180.00
Motor City Electric Technologies	Invoice # 9533373 T&M NESPS SCADA Work 09/08/2023				270.00	270.00
NTH Consultants	Invoice # 633967 (D-425 & D-457) Engineering Services 09/23/2023 - 10/20/2023	62,786.93				62,786.93
NTH Consultants	Invoice # 634229 (D-421 & D-462) Engineering Services 07/22/2023 - 10/20/2023		30,079.12			30,079.12
NTH Consultants	Invoice # 634230 Rehab Close-Out & NESPS Maintenanc Tasks 9/23/2023 - 10/20/2023				813.36	813.36
NTH Consultants	Invoice # 634231 (D-439) Engineering Services 09/23/2023 -10/20/2023				1,231.28	1,231.28
NTH Consultants	Invoice # 634232 (D-458 & D-463) Engineering Services 09/23/2023 - 10/20/2023			72,084.91		72,084.91
PM Technologies	Invoice # 82027158 NESPS Generator 2 Gear Pump 08/10/2023				3,157.64	3,157.64
PM Technologies	Invoice # 82027340 NESPS Generator 3 Gear Pump 08/10/2023				4,095.14	4,095.14
PM Technologies	Invoice # 84102103 NESPS Generator 3 Monthly Inspection Date 10/09/2023				350.00	350.00
PM Technologies	Invoice # 84109109 NESPS Generator 1 Monthly Inspection Date 10/09/2023				350.00	350.00
PM Technologies	Invoice # 84109573 NESPS Generator 2 Monthly Inspection Date 10/09/2023				350.00	350.00
PMA Consultants	Invoice # 03559.01 - 40 Professional Services Through 09/30/23	19,893.13				19,893.13
Walsh Construction	Construction Estimate # 37 NESPS Pump & Electrical Upgrades Project	412,788.59				412,788.59
Mara Services	Construction Estimate # 32 NI-EA PCI 4 rehabilitation	339,236.40				339,236.40
Z Contractors	Construction Estimate # 3 NI-EA contract #2A and 2B - PCI 18 and 19			837,697.33		837,697.33
	Total Invoices/Reimbursements for Approval	839,933.89	131,359.22	909,782.24	119,485.70	2,000,561.05
	* Less WRC Charges already paid from OMI Fund	(5,228.84)	(9,560.66)	0.00		(14,789.50)
	Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board	834,705.05	121,798.56	909,782.24	119,485.70	1,985,771.55

Agenda Item No. 12

Invoices

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/23/23 - 10/20/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094849	10/02/23	08/28/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	08/29/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	08/30/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	08/31/23	BROWN, JOEL	4.00	526.20	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/05/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/07/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/08/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/11/23	BROWN, JOEL	5.50	723.53	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/14/23	BROWN, JOEL	4.50	591.98	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/15/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/18/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/19/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	10/02/23	09/20/23	BROWN, JOEL	3.50	460.43	REGULAR	WRCCON	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		4,604.29				
1050210	10/04/23	09/26/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/04/23	09/28/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/04/23	10/03/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/04/23	10/05/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/17/23	10/10/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/17/23	10/12/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/17/23	10/17/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	10/17/23	10/19/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		3,673.60				
1131289	09/27/23	09/11/23	PUSCAS, JACK J	4.00	323.28	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	09/27/23	09/14/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	09/27/23	09/18/23	PUSCAS, JACK J	4.00	323.28	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	10/11/23	09/25/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	10/11/23	10/02/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		969.84				
			Grand Total		9,247.73				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/23/23 - 10/20/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094849	10/02/23	08/28/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	08/28/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	08/28/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	08/29/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	08/29/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	08/29/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	08/30/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	08/30/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	08/30/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	08/31/23	BROWN, JOEL	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	08/31/23	BROWN, JOEL	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	08/31/23	BROWN, JOEL	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/05/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/05/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/05/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/07/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/07/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/07/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/08/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/08/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/08/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/11/23	BROWN, JOEL	5.50	1.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/11/23	BROWN, JOEL	5.50	2.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/11/23	BROWN, JOEL	5.50	12.87	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/14/23	BROWN, JOEL	4.50	1.13	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/14/23	BROWN, JOEL	4.50	1.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/14/23	BROWN, JOEL	4.50	10.53	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/15/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/15/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/15/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/18/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/18/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/18/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/19/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/19/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/19/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	10/02/23	09/20/23	BROWN, JOEL	3.50	0.88	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	10/02/23	09/20/23	BROWN, JOEL	3.50	1.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	10/02/23	09/20/23	BROWN, JOEL	3.50	8.19	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		104.69				
1050210	10/04/23	09/26/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/04/23	09/26/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/04/23	09/28/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/04/23	09/28/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/04/23	10/03/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/04/23	10/03/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/04/23	10/05/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/04/23	10/05/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/17/23	10/10/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/17/23	10/10/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/17/23	10/12/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/17/23	10/12/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/17/23	10/17/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/17/23	10/17/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/17/23	10/19/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/17/23	10/19/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		175.36				
1131289	09/27/23	09/11/23	PUSCAS, JACK J	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	09/27/23	09/11/23	PUSCAS, JACK J	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	09/27/23	09/14/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	09/27/23	09/14/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	09/27/23	09/18/23	PUSCAS, JACK J	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	09/27/23	09/18/23	PUSCAS, JACK J	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	10/11/23	09/25/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	10/11/23	09/25/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	10/11/23	10/02/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	10/11/23	10/02/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		32.88				
			Grand Total		312.93				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 9/23/23 - 10/20/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094815	10/2/23	8/28/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	8/29/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	8/29/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/1/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/5/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/7/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/8/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/13/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/14/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/18/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/19/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/2/23	9/20/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
			BROWN, JOEL Total		2,499.47				
1164853	9/25/23	9/12/23	COOK, JENNIFER	2.00	220.50	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/25/23	9/14/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/25/23	9/15/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/25/23	9/18/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/25/23	9/19/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/25/23	9/20/23	COOK, JENNIFER	3.50	385.88	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/25/23	9/21/23	COOK, JENNIFER	2.00	220.50	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		1,267.88				
1094816	10/18/23	10/17/23	PARROTT, JEFFREY	2.00	171.48	REGULAR	WRCROW	PRJ-13308	ROW
1094816	10/18/23	10/19/23	PARROTT, JEFFREY	3.00	257.22	REGULAR	WRCROW	PRJ-13308	ROW
1094816	10/18/23	10/20/23	PARROTT, JEFFREY	2.00	171.48	REGULAR	WRCROW	PRJ-13308	ROW
			PARROTT, JEFFREY Total		600.18				
1131284	9/27/23	9/12/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	9/27/23	9/14/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	9/27/23	9/19/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	10/11/23	9/26/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	10/11/23	10/3/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		727.38				
			Grand Total		5,094.91				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 9/23/23 - 10/20/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094815	10/2/23	8/28/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	8/28/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	8/28/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	8/29/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	8/29/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	8/29/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	8/29/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	8/29/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	8/29/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/1/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/1/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/1/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/5/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/5/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/5/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/7/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/7/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/7/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/8/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/8/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/8/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/13/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/13/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/13/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/14/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/14/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/14/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/18/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/18/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/18/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/19/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/19/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/19/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	10/2/23	9/20/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	10/2/23	9/20/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	10/2/23	9/20/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			BROWN, JOEL Total		56.83				0
1164853	9/25/23	9/12/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/25/23	9/12/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/25/23	9/14/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/25/23	9/14/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/25/23	9/15/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/25/23	9/15/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/25/23	9/18/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/25/23	9/18/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/25/23	9/19/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/25/23	9/19/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/25/23	9/20/23	COOK, JENNIFER	3.50	1.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/25/23	9/20/23	COOK, JENNIFER	3.50	8.19	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/25/23	9/21/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/25/23	9/21/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		31.51				0
1094816	10/18/23	10/17/23	PARROTT, JEFFREY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	10/18/23	10/17/23	PARROTT, JEFFREY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	10/18/23	10/17/23	PARROTT, JEFFREY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ROW
1094816	10/18/23	10/19/23	PARROTT, JEFFREY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	10/18/23	10/19/23	PARROTT, JEFFREY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	10/18/23	10/19/23	PARROTT, JEFFREY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13308	ROW
1094816	10/18/23	10/20/23	PARROTT, JEFFREY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	10/18/23	10/20/23	PARROTT, JEFFREY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	10/18/23	10/20/23	PARROTT, JEFFREY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ROW
			PARROTT, JEFFREY Total		20.93				0
1131284	9/27/23	9/12/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	9/27/23	9/12/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	9/27/23	9/14/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	9/27/23	9/14/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	9/27/23	9/19/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	9/27/23	9/19/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	10/11/23	9/26/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	10/11/23	9/26/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	10/11/23	10/3/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	10/11/23	10/3/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		24.66				0
			Grand Total		133.93				0

00220775
11/06/23

VOUCHER REQUEST MEMORANDUM

TO: Shawn Phelps
Chief of Fiscal Services

Date: November 2, 2023

FROM: Jeffrey Parrott
Right of Way Unit

RE: OMID Odor/Corrosion System Design
FND82912; CCN6010101, PRG149667

PROJECT OR BUDGET
PRJ-17059-1-ROW

PLEASE PREPARE A VOUCHER IN THE AMOUNT OF _____ \$ 100.00

PAYABLE TO: City of Sterling Heights (0000004462)
40555 Utica Road
PO Box 8009
Sterling Heights, Michigan 48311-8009

FOR: Zoning Board Variance Application/Recording Fee \$ 100.00


Total \$ 100.00

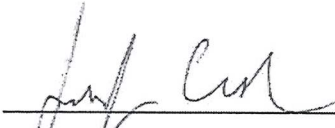
Parcel 1; Macomb County Tax ID No: 10-23-101-012

ACCOUNT CLASSIFICATION: SC731563

Check to be mailed

Check to be returned to this office

BY: 
Jeffrey S. Parrott, Supervisor Right of Way

APPROVED BY: 
Jen Cook, P.E., Civil Engineer III

SIR not
MFR

c: ROW File



Applied Science, Inc.

21455 Melrose Ave. Bldg R Suite 12 Southfield, MI 48075
Phone: (313) 567-3990 Fax: (313) 567-3750
www.asi-detroit.com

November 3, 2023

Project Invoice # 56 (ASI Inv. 8535)

Joel Brown, P.E.
Civil Engineer III
Oakland County Water Resources Commissioner's Office
One Public Works Drive, Building 95 West
Waterford, MI 48328

Re: Northeast Sanitary Pump Station
Contract #5470
(ASI Job No. 1815)

Invoice Period: 10/1/23-10/28/23

Task No.	Task Description	Total This Invoice
1	Transition & Basis of Design	
	Total:	\$ -
	Subconsultants:	
	FK Engineering:	\$ -
	ASI Markup 5%:	\$ -
	Total:	<u>\$ -</u>
	Previous Amount Invoiced:	
	Total Invoiced To-Date	
	Contract Task Total:	
	Amount Remaining:	

li#4133 v#352

Task No.	Task Description	Total This Invoice
2	Design Services for Pump & Electrical Upgrades	
	Total:	\$ -
	Subconsultants:	
	Metco Services	\$ -
	FK Engineering:	\$ -
	NTH Consultants	\$ -
	AEW	\$ -
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	<u>\$ -</u>

Task No.	Task Description	Total This Invoice
3	Additional Special Services	
	Total:	\$ -
	Subconsultants:	
	NTH Consultants	\$ -
	FK Engineering:	\$ -
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	<u>\$ -</u>

Task No.	Task Description	Total This Invoice
5	Construction Services	
	Total:	\$ 31,578.00
	Subconsultants:	
	NTH Consultants	\$ 28,232.32
	Metco Services	\$ 8,072.00
	FK Engineering:	\$ 4,335.50
	ASI Markup 5%:	\$ 2,031.99
	Direct Expenses:	\$ 3,675.00
	Total Due This Invoice:	<u>\$ 77,924.81</u>
	Previous Amount Invoiced:	

84917-149015-730639-1-3309-engcon

Task No.	Task Description	Total This Invoice
6	Control Structure Rehab	
	Total:	\$ 6,644.00
	Subconsultants:	
	NTH Consultants	\$ -
	Metco Services	\$ -
	ASI Markup 5%:	\$ -
	Direct Expenses:	\$ -
	Total Due This Invoice:	<u>\$ 6,644.00</u>

82912-149667-730639-PRJ-17060 engcon

Summary		
Total Due This Invoice-All Tasks:		\$ 84,568.81
Previous Amount Invoiced:		\$ 4,797,514.78
Amount Invoiced for MCC Incident (separate invoice):		<u>\$ 2,192.13</u>
Total Invoiced To-Date		\$ 4,884,275.72
Original Contract Task Total:		\$ 4,198,380.00
Additional Budget-Task 5:		\$ 284,076.60
Additional Budget-Task 5a:		\$ 1,513,301.00
Additional Budget-Task 6:		\$ 220,326.00
Current Contract Task Total:		\$ 6,216,083.60
Amount Remaining:		<u>\$ 1,331,807.88</u>



Applied Science, Inc.

21455 Melrose Ave. Bldg R Suite 12 Southfield, MI 48075
Phone: (313) 567-3990 Fax: (313) 567-3750
www.asi-detroit.com

November 3, 2023

Project Invoice #56a (ASI Inv. 8536)

Joel Brown, P.E.
Civil Engineer III
Oakland County Water Resources Commissioner's Office
One Public Works Drive, Building 95 West
Waterford, MI 48328

Re: Northeast Sanitary Pump Station
Contract #5470
(ASI Job No. 1815)

84917-149015-730520-1-3309- engcon-li 4133 v#4352

Task - MCC Incident

Invoice Period: 10/1/23-10/28/23

<u>Employee</u>	<u>Job Classification</u>	<u>MCC Incident</u>	<u>Total Hours</u>	<u>Direct Labor Rate</u>	<u>Total</u>
Total Labor:		\$ -			\$ -
Subconsultant:NTH		\$ 2,087.74			\$ 2,087.74
Subconsultant:METCO		\$ -			\$ -
		\$ 2,087.74			\$ 2,087.74
ASI Markup 5%		\$ 104.39			\$ 104.39
Direct Expenses (receipts attached):		\$ -			\$ -
Total This Invoice:		\$ 2,192.13			\$ 2,192.13
Previous Amount Invoiced:		\$ 61,771.86			\$ 61,771.86
Total Invoiced To Date:		\$ 63,963.99			\$ <u><u>63,963.99</u></u>



Oakland County Water Resources Commissioner, MI
Attn: Megan Koss, Esq.
One Public Works Drive
Waterford, MI 48328-1907
WRCLegalInvoices@oakgov.com

Invoice: 1360901
Date: 10/10/2023
Client: 30164
Matter: 463149

**6010101-84917-149015-731073-1-3309-2603-LEGAL
Ch. 21 V#4716 - li#24138 - exp. 12/31/23**

Matter Name: Construction Dispute - Walsh Construction

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH SEPTEMBER 30, 2023

Total Fees:	\$	11,602.50
Total Due This Invoice:	\$	11,602.50

KC 2023-10-13



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

INVOICE		
DATE	NUMBER	PAGE
4/28/2023	636357	1 of 1

B OMI100
I OAKLAND MACOMB INTERCEPTOR DRA
L 1 PUBLIC WORKS DR.
L SUBMIT INVOICES TO NEXGEN
T WATERFORD, MI 48328
O

S NORTH EAST PUMPING STATION
H 11001 E. STATE FAIR AVE
I DETROIT, MI 48234
P

T
O

**82912-6010101-149090-730660-5825-
ch.21- v#239 exp. 6/30/25**

ATTENTION:
TERRY MOORE 313-8297207 TMOORE@METCOSERVICES.COM

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
5825	0118330	GREAT LAKES WATER AUTHORITY, NORTHEAST PUMPING STATION, FIELD SERVICE, SANITARY	KES/KTT	FIELD SERVICE	NET 60

QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				

0.00	1.00	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 04/21/2023. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$1,712.00	\$1,712.00
------	------	-------------------	---	------------	------------

THIS INVOICE REFLECTS:

(11.5) HOURS OF LABOR.

MILEAGE: \$33.00

TM-10-27-23

PLEASE REMIT TO:
KENNEDY INDUSTRIES, INC.
P.O. BOX 930079
WIXOM, MI 48393

<small>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 6/2023) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.</small> *TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE *A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE *CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE	SUBTOTAL:	\$ 1,712.00
	TAX:	\$ 0.00
	TOTAL:	\$ 1,712.00

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

www.KennedyInd.com


LARDNER↑ ↓ELEVATOR

729 Meldrum, Detroit, MI 48207
 Phone: (313) 568-1600 Fax: (313) 568-0488
 Email: info@lardnerelevator.com
 www.lardnerelevator.com

INVOICE

Invoice #
198731

82912-6010101-149090-730660-XXXX - CH. 21

Bill To: 
 Oakland Macomb Interceptor Drain Drainage District
 1 Public Works Drive
 DGreen@metcoservices.com
 Waterford, MI 48328

Account: Northeast Pump Station
 11001 E. State Fair
 Detroit, MI 48205
 Account #: 00-6642-2

Date	Sep 13, 2023	Terms	Net 30 Days	Route	Detroit Route	Job #	4746
Inv #	198731	PO #	00992	Territory	LECO	Type	Maintenance

Quantity	Description	Taxable	Measure	Price	Amount	
1.00	Elevator Maintenance Service for August 2023	No	Each	204.00	\$204.00	
Elevator Maintenance Service for August 2023						
<i>TM-10-27-23</i>						
					Taxable	\$0.00
					Non-Taxable	\$204.00
					Sub-Total	\$204.00
					Sales Tax	\$0.00
					TOTAL	\$204.00

PLEASE DETACH THIS PORTION AND RETURN WITH PAYMENT



Lardner Elevator Company
 729 Meldrum
 Detroit, MI 48207

Account # 00-6642-2
 Northeast Pump Station

Invoice # 198731

Amount \$204.00

Paid \$

WO 992

LARDNER↑ ↓ELEVATOR

729 Meldrum, Detroit, MI 48207
 Phone: (313) 568-1600 Fax: (313) 568-0488
 Email: info@lardnerelevator.com
 www.lardnerelevator.com

INVOICE

82912-6010101-149090-730660-XXXX - CH. 21

Invoice #
199161

Bill To: 
 Oakland Macomb Interceptor Drain Drainage District
 1 Public Works Drive
 dbgreen@metcoservices.com
 tmoore@metcoservices.com
 Waterford, MI 48328

Account: Northeast Pump Station
 11001 E. State Fair
 Detroit, MI 48205
 Account #: 00-6642-2

Date	Oct 01 2023	Terms	Upon Receipt	Route	Detroit Route	Job #	4746
Inv #	199161	PO #		Territory	LECO	Type	Maintenance

Quantity	Description	Taxable	Measure	Price	Amount	
1.00	Elevator Maintenance Service for October, 2023	No	Each	204.00	\$204.00	
Elevator Maintenance Service for October, 2023						
<i>TM-10-27-23</i>						
					Taxable	\$0.00
					Non-Taxable	\$204.00
					Sub-Total	\$204.00
					Sales Tax	\$0.00
					TOTAL	\$204.00

PLEASE DETACH THIS PORTION AND RETURN WITH PAYMENT



Lardner Elevator Company
 729 Meldrum
 Detroit, MI 48207

Account # 00-6642-2
 Northeast Pump Station

Invoice # 199161

Amount \$204.00

Paid \$

NO 1058



INVOICE NO. 1811-58

DATE: November 2, 2023

METCO PROJECT NO. 1811

INVOICE PERIOD: 10/2 thru 10/29/2023

Contract ID 0000000000000000000005517

Vendor ID 0000020486

TO: OMIDD
Water Resources Commissioner
One Public Works Drive
Waterford, MI 48328
Attn: Joel Brown, P.E.
Chief Engineer-Construction Projects Unit

TITLE: OMID & NESPS Operation and Maintenance

Operational Plan

OMID Operations - Fund 82912, Program 149130, Account 730373 (3.1-3.4A & 3.4B)

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Raj Vijayendran, PE, Terry Moore, Darrin Green, Anthony Vozza, Rosana Santos. Subtotal OMID Operatons: \$ 20,520.00

NEPS Operations - Fund 82912, Program 149090, Account 730373 (3.1-3.4A & 3.4B)

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Raj Vijayendran, PE, Terry Moore, Darrin Green, Anthony Vozza, Rosana Santos. Subtotal NEPS Operations \$ 12,380.16. Subtotal Operations \$ 32,900.16

Maintenance & Asset Management

OMID Maintenance - Fund 82912, Program 149130, Account 730646 (3.2-3.3-3.4C & ALLOWANCE)

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Terry Moore, Anthony Vozza, Darrin Green. Subtotal OMID Maintenance: \$ 6,150.00

NEPS Maintenance - Fund 82912, Program 149090, Account 730646 (3.2-3.3-3.4C & ALLOWANCE)

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Raj Vijayendran, PE, Terry Moore, Daniel Martel, Sean Grant, Travis Ford, Shailesh Patel.

Darrin Green	Staff Engineer	45.0	\$	90.00	\$	4,050.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Anthony Vozza	Staff Engineer	76.0	\$	90.00	\$	6,840.00
Anthony Vozza	Staff Engineer-(Overtime)	8.0	\$	135.00	\$	1,080.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal:						\$ 18,910.00
Maintenance Services (see attached invoices):						\$ 16,074.12
Subtotal NEPS Maintenance:						\$ 34,984.12
Subtotal Maintenance:						\$ 41,134.12

NEXGEN Asset Management Implementation Services – Fund 82912, Program 149090, Account 730646

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>		<u>Rate/Hr.</u>		<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$	215.00	\$	-
Terry Moore	Operations Manager	0.0	\$	145.00	\$	-
Terry Moore	Operations Manager (Overtime)	0.0	\$	195.00	\$	-
Sean Grant	Sr. Project Engineer	9.0	\$	145.00	\$	1,305.00
Darrin Green	Staff Engineer	0.0	\$	90.00	\$	-
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Anthony Vozza	Staff Engineer	0.0	\$	90.00	\$	-
Abhishek Shah	Staff Engineer	128.0	\$	90.00	\$	11,520.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal Maintenance:						\$ 12,825.00

Task 12.0 - As-Needed Services - VFD Pump 4

Raj Vijayendran, PE	Principal Engineer	38.0	\$	215.00	\$	8,170.00
Daniel Martel	Sr. Project Coordinator	2.0	\$	145.00	\$	290.00
Brandon Brochue	Designer/Drafter	17.0	\$	85.00	\$	1,445.00
Subtotal 12.0:						\$ 9,905.00

TOTAL AMOUNT DUE THIS INVOICE: \$ 96,764.28



MOTOR CITY ELECTRIC TECHNOLOGIES INC.

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

PHONE (313) 921-5300 FAX (313) 921-5310

"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

OMID
ONE PUBLIC WORKS DRIVE, BUILDING 95
WATERFORD, MI 48328-

Customer
PO Number
5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	10/12/2023	10/12/2023	95253A

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$180.00	-	\$180.00	\$180.00	-	-
Totals:		\$180.00		\$180.00	\$180.00		
Less Retained:				-			
Invoice Total:				\$180.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICES

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 6/20/2023

TM-10-16-23

complete electrical construction

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INVOICE

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WATERFORD, MI 48328-

Customer
PO Number
5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	10/12/2023	10/12/2023	95330A

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$585.00	-	\$585.00	\$585.00	-	-
Totals:		\$585.00		\$585.00	\$585.00		
Less Retained:				-			
Invoice Total:				\$585.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICES

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 4/6/2023 & 6/1/2023

TM- 10-16-23

complete electrical construction

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 "AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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 ONE PUBLIC WORKS DRIVE, BUILDING 95
 WATERFORD, MI 48328-

Customer
 PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	10/12/2023	10/12/2023	95332A

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$135.00	-	\$135.00	\$135.00	-	-
Totals:		\$135.00		\$135.00	\$135.00		
Less Retained:				-			
Invoice Total:				\$135.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 6/2/2023

TM-10-16-23

complete electrical construction

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 DETROIT, MI 48213-1151
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 "AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

OMID
 ONE PUBLIC WORKS DRIVE, BUILDING 95
 WATERFORD, MI 48328-

Customer
 PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	10/12/2023	10/12/2023	95333A

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$135.00	-	\$135.00	\$135.00	-	-
Totals:		\$135.00		\$135.00	\$135.00		
Less Retained:				-			
Invoice Total:				\$135.00			

AS NEEDED FOR ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 6/28/2023

TM-10-23-23

complete electrical construction

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 DETROIT, MI 48213-1151
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 AN EQUAL OPPORTUNITY EMPLOYER

INVOICE

OMID
 ONE PUBLIC WORKS DRIVE, BUILDING 95
 WATERFORD, MI 48328-

Customer
 PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	10/12/2023	10/12/2023	95334A

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$315.00	-	\$315.00	\$315.00	-	-
Totals:		\$315.00		\$315.00	\$315.00		
Less Retained:				-			
Invoice Total:				\$315.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 8/4/2023

TM-10-16-23

complete electrical construction

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"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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WATERFORD, MI 48328-

Customer
PO Number
5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	10/12/2023	10/12/2023	95335A

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$360.00	-	\$360.00	\$360.00	-	-
Totals:		\$360.00		\$360.00	\$360.00		
Less Retained:				-			
Invoice Total:				\$360.00			

AS NEEDED ELECTRICAL & ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 8/11/2023

TM-16-16-23

complete electrical construction

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INVOICE

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WATERFORD, MI 48328-

Customer
PO Number
5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	10/12/2023	10/12/2023	95336A

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$90.00	-	\$90.00	\$90.00	-	-
Totals:		\$90.00		\$90.00	\$90.00		
Less Retained:				-			
Invoice Total:				\$90.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

82912-6010101-149090-730660-5469-Ch. 21 - v#7755- li#41132 - exp 12/31/23

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 8/17/2023

TM-10-16-23

complete electrical construction

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INVOICE

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 WATERFORD, MI 48328-

Customer
 PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	6/28/2023	10/12/2023	95367

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$135.00	-	\$135.00	\$135.00	-	-
Totals:		\$135.00		\$135.00	\$135.00		
Less Retained:				-			
Invoice Total:				\$135.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 6/28/23

TM-10-16-23

complete electrical construction

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 WATERFORD, MI 48328-

Customer
 PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	9/8/2023	10/12/2023	95369

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$270.00	-	\$270.00	\$270.00	-	-
Totals:		\$270.00		\$270.00	\$270.00		
Less Retained:							
Invoice Total:				\$270.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

82912-6010101-149090-730660-5469-Ch. 21 - v#7755- li#41132 - exp 12/31/23

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 9/8/2023

TM-10-16-23

complete electrical construction

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INVOICE

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 WATERFORD, MI 48328-

Customer
PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	10/12/2023	10/12/2023	95370

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$450.00	-	\$450.00	\$450.00	-	-
Totals:		\$450.00		\$450.00	\$450.00		
Less Retained:				-			
Invoice Total:				\$450.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 8/15/23, 8/18/23, 8/21/23

TM-10-16-23

complete electrical construction

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INVOICE

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 WATERFORD, MI 48328-

Customer
 PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	9/11/2023	10/12/2023	95371

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$405.00	-	\$405.00	\$405.00	-	-
Totals:		\$405.00		\$405.00	\$405.00		
Less Retained:				-			
Invoice Total:				\$405.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 9/11/2023

TM-10-16-23

complete electrical construction

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Customer
 PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	9/12/2023	10/13/2023	95372

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$180.00	-	\$180.00	\$180.00	-	-
Totals:		\$180.00		\$180.00	\$180.00		
Less Retained:				-			
Invoice Total:				\$180.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149130-730660-5469-CH. 21- v # 7755- li#41132 - exp 12/31/23

WORK PERFORMED 9/12/2023

TM-10-16-23

complete electrical construction

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 WATERFORD, MI 48328-

Customer
 PO Number
 5469

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
923567	0	001	9/8/2023	10/13/2023	95373

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&MNESP SCADA	\$270.00	-	\$270.00	\$270.00	-	-
Totals:		\$270.00		\$270.00	\$270.00		
Less Retained:				-			
Invoice Total:				\$270.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICES

82912-6010101-149090-730660-5469-Ch. 21 - v#7755- li#41132 - exp 12/31/23

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 9/8/2023

TM 10-16-23

complete electrical construction

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**84917-6010101-149015-731444-2603-1-3308-Ch. 21-v#4716-
li#24138-exp 12/31/23**

OMI Drain Drainage District
One Public Works Drive
Building 95 West
Waterford, MI 48328

Invoice # : 634228
Project : 61-200186
Invoice Group : **
Invoice Date : 11/1/2023

Attentior Sid Lockhart

For Professional Services Rendered from **9/23/2023 - 10/20/2023**

Provide Engineering Services for OMID NI-EA Contract No.1 PCI-4 Rehabilitation Project and CS-9 Gate Installation Project D-425 and D-457

Task 01	NI-EA OMID Contract No. 1 CCA	\$2,759,494.00
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	\$2,976,962.00
	Percent Complete:	95.24%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	17,331.28	\$ 661,903.60
Overhead %	188.00	32,582.81	1,244,378.78
Total Regular Labor Expense		49,914.09	1,906,282.38
Total Direct Labor		49,914.09	1,906,282.38
Profit / Fixed Fee %	12.00	5,989.69	228,753.90
Direct Expenses Charge		2,133.64	59,291.45
Expense Multiplier %	5.00	106.68	2,964.57
Direct Subcontractor Charge		4,380.03	601,927.36
Subcontractor/Subconsultant Multiplier %	6.00	262.80	36,115.73
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		6,883.15	700,299.11
Total Costs:		62,786.93	2,835,335.39
Total Due This Invoice		\$ 62,786.93	\$ 2,835,335.39



**84917-6010101-149015-731458-2603-1-3309-ch . 21-engcon v#4716-
li#24138-exp 12/31/23**

OMI Drain Drainage District
One Public Works Drive
Building 95 West
Waterford, MI 48328

Invoice # : 634229
Project : 61-200280
Invoice Group : CMT
Invoice Date : 11/1/2023

Attentior Sid Lockhart

For Professional Services Rendered from **7/22/2023 - 10/20/2023**

Provide Engineering and Consulting Services regarding NESPS Pumping and Electrical System Upgrade (D-421) & (D-462)

Task 01	CMT Services	\$189,674.00
Task 02	Tnemecc Coating Observation	-
	Preliminary Budget Amount	\$189,674.00
	Percent Complete:	83.68%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 6,198.01	\$ 40,247.96
Overhead %	188.00 11,652.26	75,666.15
Total Regular Labor Expense	17,850.27	115,914.11
Total Direct Labor	17,850.27	115,914.11
Profit / Fixed Fee %	12.00 2,142.03	13,909.69
Direct Expenses Charge	4,263.59	22,164.24
Expense Multiplier %	5.00 213.18	1,108.21
Direct Subcontractor Charge	5,292.50	5,302.50
Subcontractor/Subconsultant Multiplier %	6.00 317.55	318.15
Direct Unit Rate Charge	0.00	0.00
Total Other Direct Charges Reimbursables	10,086.82	28,893.10
Total Costs:	30,079.12	158,716.90
Total Due This Invoice	\$ 30,079.12	\$ 158,716.90



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

**82912-149662-731458-2603-Ch. 21- v#4716 - exp 12/31/23-
li#24138**

**OMI Drain Drainage District
One Public Works Drive
Building 95 West
Waterford, MI 48328**

**Invoice # : 634230
Project : 61-210313
Invoice Group : **
Invoice Date : 11/1/2023**

Attentior Sid Lockhart

For Professional Services Rendered from 9/23/2023 - 10/20/2023

Consulting Services Regarding Additional OMID Rehabilitation Program 2021 Closeout Services and As-Needed NESPS Maintenance Tasks

Task 01	Contract 3 NESPS Rehab Closeout	\$9,563.00
Task 02	PCI-4 Liner Deterioration Closeout	\$10,939.00
Task 03	Discharge Pipe Coating Rehabilitation	\$27,930.00
Task 04	NESPS Wet Well Sediment Survey	\$19,639.00
	Preliminary Budget Amount	\$68,071.00
	Percent Complete:	82.29%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 241.00	\$ 9,878.11
Overhead %	188.00 453.08	18,570.83
Total Regular Labor Expense	694.08	28,448.94
Total Direct Labor	694.08	28,448.94
Profit / Fixed Fee %	12.00 83.29	3,413.87
Direct Expenses Charge	34.28	160.52
Expense Multiplier %	5.00 1.71	8.02
Direct Subcontractor Charge	0.00	22,841.94
Subcontractor/Subconsultant Multiplier %	5.00 0.00	1,142.12
Total Other Direct Charges Reimbursables	35.99	24,152.60
Total Costs:	813.36	56,015.41
Total Due This Invoice	\$ 813.36	\$ 56,015.41



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

OMI Drain Drainage District
One Public Works Drive
Building 95 West
Waterford, MI 48328

Invoice # : 634231
Project : 61210495
Invoice Group :
Invoice Date : 11/1/2023

Attention: Sid Lockhart

For Professional Services Rendered from 9/23/2023 - 10/20/2023

Authorization per Engineering Work Order D 439 date 12/03/2021
82912-149662-730639-Cont#1-2603 Exp (12/31/21-Rev)
82912- 6010101- 149662-730639- 2603 - Ch.21 - v# 4716 - li #24138 - exp. 12/31/23

Additional OMID NESPS Maintenance Engineering Services

Task 01	NESPS Health and Safety Audit	\$8,651.75
Task 02	Control Structure 6 (CS-6) Emergency Bypass System Design	\$72,250.46
Task 03	Wet Wall Screen Cleaning Equipment	\$7,366.85
Task 04	Control Structure Gate Inspection	\$9,747.94

Preliminary Budget Amount	<u>\$98,017.00</u>
Percent Complete:	97.00%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 9.00	\$ 21,027.29
Overhead %	188.00 16.92	39,531.30
Total Regular Labor Expense	25.92	60,558.59
Total Direct Labor	25.92	60,558.59
Profit / Fixed Fee %	12.00 3.11	7,267.03
Direct Expenses Charge	0.00	523.60
Expense Multiplier %	5.00 0.00	26.19
Direct Subcontractor Charge	1,134.20	25,191.30
Subcontractor/Subconsultant Multiplier %	6.00 68.05	1,511.49
Total Other Direct Charges Reimbursables	1,202.25	27,252.58
Total Costs:	1,231.28	95,078.20
Total Due This Invoice	\$ 1,231.28	\$ 95,078.20



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

84918-149015-730639-PRJ-17408-1-ENG_CONSULT- WDCON8173

Omi Drain Drainage District
 One Public Works Drive
 Building 95 West
 Waterford, MI 48328

Invoice # : 634232
 Project : 23001693
 Invoice Group : **
 Invoice Date : 11/1/2023

Attention Sid Lockhart

For Professional Services Rendered from **9/23/2023 - 10/20/2023**

Provide Engineering and Consulting Services regarding OMI PCI-18 and PCI-19 Rehabilitation Project CCA; D-458 & D-463

Task 01 Contract 2 CCA Services **\$1,907,063.00**
 Preliminary Budget Amount **\$1,907,063.00**
 Percent Complete: 7.09%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 11,062.28	\$ 26,898.53
Overhead %	188.00 20,797.09	50,569.24
Total Regular Labor Expense	31,859.37	77,467.77
Total Direct Labor	31,859.37	31,859.37
Profit / Fixed Fee %	12.00 3,823.12	9,296.13
Direct Expenses Charge	22,953.26	23,539.21
Expense Multiplier %	5.00 1,147.66	1,176.95
Direct Subcontractor Charge	11,605.19	22,452.92
Subcontractor/Subconsultant Multiplier %	6.00 696.32	1,347.19
Total Other Direct Charges Reimbursables	36,402.43	48,516.27
Total Costs:	72,084.91	135,280.16
Total Due This Invoice	\$ 72,084.91	\$ 135,280.16



PM Technologies
 28294 Beck Road, Wixom, Michigan 48393 United States
 (248) 374-6405

BILL TO

County Of Oakland
 A Michigan Constitutional Corp
 Detroit, MI 48234 USA

82912-6010101-149090-730660-5821-CH. 21

INVOICE 82027158	INVOICE DATE Aug 10, 2023
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JOB ADDRESS

Northeast Sewage Pumping Station - Generator 2
 11001 East State Fair Avenue
 Detroit, MI 48234 USA

Completed Date: 8/10/2023
Customer PO: 00793
Payment Term: NET 30
Due Date: 9/9/2023

TASK	DESCRIPTION	QTY	PRICE	TOTAL
TLAB	Commercial Labor	7.00	\$149.00	\$1,043.00
Mileage	Charge per mile of travel	72.00	\$1.75	\$126.00
FUEL FEE COMM	Commercial fuel fuel surcharge	1.00	\$27.00	\$27.00
Shop Surcharge	Shop Surcharge	1.00	\$50.54	\$50.54
Shipping	Shipping costs	1.00	\$30.00	\$30.00

Materials

MATERIAL	DESCRIPTION	QUANTITY	YOUR PRICE	YOUR TOTAL
H62AA2C	GEAR PUMP	2.00	\$940.55	\$1,881.10

TM-8-15-23

SUB-TOTAL	\$3,157.64
TOTAL DUE	\$3,157.64
BALANCE DUE	\$3,157.64

Thank you for choosing PM Technologies

793



PM Technologies
 28294 Beck Road, Wixom, Michigan 48393 United States
 (248) 374-6405

BILL TO
 County Of Oakland
 A Michigan Constitutional Corp
 Detroit, MI 48234 USA

82912-6010101-149090-730660-5821-CH. 21

INVOICE 82027340	INVOICE DATE Aug 10, 2023
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JOB ADDRESS
 Northeast Sewage Pumping Station - Generator
 11001 East State Fair Avenue
 Detroit, MI 48234 USA

Completed Date: 8/10/2023
Customer PO: 00793
Payment Term: NET 30
Due Date: 9/9/2023

TASK	DESCRIPTION	QTY	PRICE	TOTAL
TLAB	Commercial Labor	7.00	\$149.00	\$1,043.00
Mileage	Charge per mile of travel	72.00	\$1.75	\$126.00
FUEL FEE COMM	Commercial fuel fuel surcharge	1.00	\$27.00	\$27.00
Shop Surcharge	Shop Surcharge	1.00	\$50.54	\$50.54
TLAB	Initial	1.00	\$937.50	\$937.50
Shipping	Shipping costs	1.00	\$30.00	\$30.00

Materials

MATERIAL	DESCRIPTION	QUANTITY	YOUR PRICE	YOUR TOTAL
H62AA2C	GEAR PUMP	2.00	\$940.55	\$1 881.10
	LOCATION - 19-4			

TM-8-15-23

793

SUB-TOTAL \$4,095.14

TOTAL DUE \$4,095.14

BALANCE DUE **\$4,095.14**

Thank you for choosing PM Technologies



PM Technologies
28294 Beck Road, Wixom, Michigan 48393 United States
(248) 374-6405

82912-6010101-149090-730660-5821-CH. 21

NO 1057

BILL TO

County Of Oakland
A Michigan Constitutional Corp
Detroit, MI 48234 USA

INVOICE 84102103	INVOICE DATE Oct 09, 2023
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JOB ADDRESS

Northeast Sewage Pumping Station 1825kw - Generator 3
11001 East State Fair Avenue
Detroit, MI 48234 USA

Completed Date: 10/9/2023
Payment Term: NET 30
Due Date: 11/8/2023

TASK	DESCRIPTION	QTY	PRICE	TOTAL
Monthly Inspections	Monthly Inspection Perform Secondary Inspection on generator and transfer switch(es). Update on-site maintenance log (as applicable) **excludes live transfer test	1.00	\$350.00	\$350.00
			SUB-TOTAL	\$350.00
			TOTAL DUE	\$350.00
			BALANCE DUE	\$350.00

Thank you for choosing PM Technologies

TM-10-27-23



PM Technologies
28294 Beck Road, Wixom, Michigan 48393 United States
(248) 374-6405

82912-6010101-149090-730660-5821-CH. 21 *WO 1057*

BILL TO
County Of Oakland
A Michigan Constitutional Corp
Detroit, MI 48234 USA

INVOICE	INVOICE DATE
84109109	Oct 09, 2023

JOB ADDRESS
Northeast Sewage Pumping Station - Generator 1
11001 East State Fair Avenue
Detroit, MI 48234 USA

Completed Date: 10/9/2023
Payment Term: NET 30
Due Date: 11/8/2023

TASK	DESCRIPTION	QTY	PRICE	TOTAL
Monthly Inspections	Monthly Inspection Perform Secondary Inspection on generator and transfer switch(es). Update on-site maintenance log (as applicable) **excludes live transfer test	1.00	\$350.00	\$350.00

SUB-TOTAL	\$350.00
TOTAL DUE	\$350.00
BALANCE DUE	\$350.00

Thank you for choosing PM Technologies

TM-10-27-23



PM Technologies
28294 Beck Road, Wixom, Michigan 48393 United States
(248) 374-6405

82912-6010101-149090-730660-5821-CH. 21

NO 1057

BILL TO

County Of Oakland
A Michigan Constitutional Corp
Detroit, MI 48234 USA

INVOICE 84109573	INVOICE DATE Oct 09, 2023
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JOB ADDRESS

Northeast Sewage Pumping Station - 1825kw Generator 2
11001 East State Fair Avenue
Detroit, MI 48234 USA

Completed Date: 10/9/2023
Payment Term: NET 30
Due Date: 11/8/2023

TASK	DESCRIPTION	QTY	PRICE	TOTAL
Monthly Inspections	Monthly Inspection	1.00	\$350.00	\$350.00

SUB-TOTAL \$350.00

TOTAL DUE \$350.00

BALANCE DUE \$350.00

Thank you for choosing PM Technologies

TM-10-23-23



Oakland County Water Resources Commissioner
Attn: Sid Lockhard, P.E.
One Public Works Drive
Building 95-West
Waterford 48328

October 3, 2023

Invoice No: 03559.01 - 40

**84917-6010101-149015-731458-6096-1-3308-Ch. 21-
engcon- v#16918- exp 5/29/23**

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from September 1, 2023 to September 30, 2023

Task 1.0 Oakland-Macomb Interceptor Drainage 2020

Professional Personnel

	Hours	Rate	Amount	
Zann, John	66.00	110.00	7,260.00	
Totals	66.00		7,260.00	
Total Labor				7,260.00

Additional Fees

Overhead	149.10 % of 7,260.00		10,824.66	
Profit	10.00 % of 18,084.66		1,808.47	
Total Additional Fees			12,633.13	12,633.13

Total this Task \$19,893.13

Billing Limits

	Current	Prior	To-Date
Total Billings	19,893.13	491,530.10	511,423.23
Limit			880,000.00
Remaining			368,576.77

Total this Invoice \$19,893.13

Please remit payment to PMA CONSULTANTS LLC, PO BOX 675234, DETROIT, MI 48267-5234. Please direct any questions regarding this invoice to Samantha Zeisler, Project Administrator, at 734-418-7897 or szeisler@pmaconsultants.com

Agenda Item No. 13

Other Business

Agenda Item No. 14

Adjourn