

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

August 14, 2024 – 11:30 a.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 August 14, 2024
3. Motion to approve the Drainage District Board Meeting Minutes from July 17, 2024
4. Public Comment
5. Motion to approve the following Change Orders:
 - a) Change Order No. 44 for Walsh Construction for NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$67,453.70
 - b) Change Order No. 7 for Marra Services for Construction of the NI-EA Contract One PCI-4 Rehabilitation for a time increase of 723 days for final completion
6. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 46 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$832,320.83 with a transfer to the Oakland County Treasurer in the amount of \$1,108.77
 - b) Construction Estimate No. 39 for Marra Services for NI-EA OMID Contract One PCI-4 Rehabilitation in the amount of \$202,893.63 with a reserve payment to the contractor in the amount of \$3,420.42
 - c) Construction Estimate No. 40 for Marra Services for NI-EA OMID Contract One PCI-4 Rehabilitation with a reduction in reserve payment to the contractor in the amount of \$400,000
 - d) Construction Estimate No. 12 for Z Contractors for NI-EA Contracts 2A and 2B – PCI 18 and 19 Rehabilitation in the amount of \$823,656.59
7. Status of OMID Repairs Project
8. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
9. Motion to approve the following invoices:

1) Labor/Fringes/Non-Direct Labor Factor			
• Segment 5 NI-EA Construction			\$ 2,146.80
• Segment 5 NESPS Mech./Elect. Construction			\$ 5,309.40
2) Equipment Charges			
• Segment 5 NI-EA Construction			\$ 54.80
• Segment 5 NESPS Mech./Elect. Construction			\$ 238.38
a) Clark Hill			
1) Invoice No. 1456877	NESPS		\$ 510.00
2) Invoice No. 1456893	NI-EA		\$ 5,559.00
b) CSM			
1) Invoice No. 3610	O&M		\$ 1,338.17
2) Invoice No. 3696	O&M		\$ 2,666.50
c) D'Angelo Brothers			
Invoice No. 111824-01	O&M		\$ 25,352.29
d) Kennedy Industries			
1) Invoice No. 642228	O&M		\$ 65,416.65
2) Invoice No. 642520	O&M		\$ 1,607.70
e) Meadowbrook Insurance			
Invoice No. 14646	NESPS		\$ 125,000.00
f) Metco			
Invoice No. 1811-67	O&M		\$ 97,469.14
g) Motor City			
1) Invoice No. 95825	O&M		\$ 135.00
2) Invoice No. 95826	O&M		\$ 495.00
3) Invoice No. 95827	O&M		\$ 270.00
4) Invoice No. 95649	O&M		\$ 135.00
h) NTH Consultants, Ltd			
1) Engineering/Consulting Services NESPS Pumping and Electrical			
Invoice No. 636549	NESPS		\$ 2,731.53
2) OMID NI-EA Contract No. 1 PCI-4 Rehab			
Invoice No. 636550	NI-EA		\$ 2,481.58
3) Consulting Services PCI-18 and PCI-19 Rehabilitation			
Invoice No. 636551	NI-EA		\$ 55,479.19
i) PM Technologies			
1) Invoice No. 92529020	O&M		\$ 169,804.00
2) Invoice No. 86174785	O&M		\$ 14,811.60
j) PMA Consultants			
Invoice No. 3559.01-49	NESPS		\$ 19,653.50
k) Rotor Electric			
Invoice No. 12770	O&M		\$ 112,077.69

10. Other Business

11. Adjourn

Next Regular Meeting: September 18, 2024, at 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from July 17, 2024

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

July 17, 2024

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 17th day of July 2024 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 Jim Nash, Secretary and Oakland County Water Resources Commissioner.

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker, Bruce Manning, Steve Duchane and Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Steve Korth, Jen Cook, Joel Brown, Trisha Bruzek, Raphael Chirolla, Kelsey Cooke, Sara Rubino, and Stephanie Lajdziak. Others in attendance: Shawn Phelps and Heidi Grunwald, OC Fiscal Services, Larry Gilbert and Michelle Kitzinger, NTH Consultants; Terry Moore, Metco; Fritz Klingler, FK Engineering; Doug Kelly, Clark Hill; Kevin Johnson, Kone; Bill Diamond, City of Utica Department of Public Works.

1. Call meeting to order.
Chairperson Gregg called the meeting to order at 11:32 a.m.
2. Agenda.
Motion by Miller, supported by Nash, to amend the July 17, 2024 agenda by moving the “Closed Session” (agenda item no. 5) after “Other Business” (agenda item no. 14).

ADOPTED: Yeas - 3
 Nays - 0

3. Minutes.
Motion by Miller, supported by Nash, to approve the minutes of the June 12, 2024, meeting.

ADOPTED: Yeas - 3
 Nays - 0

4. Public Comment.
None.

5. GLWA Highland Park Bad Debt Recovery Credits Methodology.
Raphael Chirolla provided the Board with a resolution for Highland Park’s unpaid water and sewer bills. The Drainage District’s total portion of credit is \$3,483,700. It was recommended that the Board accept the credit and for Macomb and Oakland Counties to agree on the methodology of apportionment as outlined in the document titled “GLWA Highland Park Bad Debt Recovery” (attached).

Motion by Miller, supported by Nash, to approve the acceptance of the \$3,483,700 in the form of a credit from GLWA and accept the methodology of apportionment to distribute the credit between Macomb and Oakland counties as recommended.

ADOPTED: Yeas - 3
Nays - 0

6. City of Sterling Heights Easement Agreement

Sara Rubino presented the Easement Agreement with the City of Sterling Heights that is necessary to begin the Corrosion Control and Odor Mitigation System Project within the Drainage District. It was recommended by Ms. Rubino that the easement agreement be approved.

Motion by Miller, supported by Nash, to authorize the Board Chairperson to execute the Easement Agreement as presented.

ADOPTED: Yeas - 3
Nays - 0

7. Engineering Work Order.

The following Engineering Work Order was submitted to the Board for approval:

- a) Engineering Work Order No. 3 for Jacobs Consultants Inc. for Construction Administration and Construction Engineering Services for a not to exceed amount of \$1,188,251. Motion by Miller, supported by Nash, to approve the Engineering Work Order as presented.

ADOPTED: Yeas - 3
Nays - 0

8. Change Orders.

The following Change Orders were submitted to the Board for approval:

- a) Change Order No. 43 for Walsh Construction for NESPS Pump & Electrical Upgrades Project for a net decrease in the amount of \$22,175.35. Motion by Miller, supported by Nash, to approve Change Order No. 43 as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Change Order No. 6 for Marra Services for Construction of the NI-EA Contract One PCI-4 Rehabilitation for a net increase of \$52,824.27. Motion by Nash, supported by Miller, to approve Change Order No. 6 as presented.

ADOPTED: Yeas - 3
Nays - 0

9. Construction Pay Estimates.

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

- a) Construction Estimate No. 45 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$305,145.31. Motion by Miller,

supported by Nash to approve Construction Estimate No. 45 as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Construction Estimate No.11 for Z Contractors for NI-EA Contracts 2A and 2B – PCI 18 and 19 Rehabilitation in the amount of \$254,698.74. Motion by Nash, supported by Miller, to approve Construction Estimate No. 11 as presented.

ADOPTED: Yeas - 3
Nays - 0

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

Motion by Miller, supported by Nash, to receive and file the report as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

12. Invoices.

1) Labor/Fringes/Non-Direct Labor Factor		
• Segment 5 NI-EA Construction	\$	6,167.89
• Segment 5 NESPS Mech./Elect. Construction	\$	15,868.06
2) Equipment Charges		
• Segment 5 NI-EA Construction	\$	143.41
• Segment 5 NESPS Mech./Elect. Construction	\$	499.53
a) ASI		
1) Invoice No. 63-8775	NESPS	\$ 74,047.54
2) Invoice No. 63a-8777	NESPS	\$ 613.10
3) Invoice No. 63b-8776	NESPS	\$ 1,896.50
4) Invoice No. 64-8806	NESPS	\$ 75,546.30
	O&M	\$ 523.34
5) Invoice No. 64a-8808	NESPS	\$ 102.19
6) Invoice No. 64b-8807	NESPS	\$ 121.00
b) Clark Hill		
1) Invoice No. 1446761	NI-EA	\$ 3,672.00
2) Invoice No. 1446763	NESPS	\$ 867.00
c) CSM		
1) Invoice No. 3488	O&M	\$ 6,256.60
2) Invoice No. 3508	O&M	\$ 4,430.90
3) Invoice No. 3512	O&M	\$ 506.00
4) Invoice No. 3513	O&M	\$ 13,598.16

d)	Hesco			
	Invoice No. 342298	O&M	\$	8,880.01
e)	Lardner			
	1) Invoice No. 200970	O&M	\$	973.00
	2) Invoice No. 201091	O&M	\$	204.00
	3) Invoice No. 201424	O&M	\$	204.00
f)	Meadowbrook Insurance			
	Invoice No.	NESPS	\$	46,410.00
g)	Metco			
	Invoice No. 1811-66	O&M	\$	87,169.30
h)	Motor City			
	1) Invoice No. 95756	O&M	\$	135.00
	2) Invoice No. 95755	O&M	\$	720.00
	3) Invoice No. 95771	O&M	\$	135.00
i)	NTH Consultants, Ltd			
	1) Consulting Services PCI-18 and PCI-19 Rehabilitation			
	Invoice No. 636268	NI-EA	\$	69,050.69
	2) Engineering/Consulting Services NESPS Pumping and Electrical			
	Invoice No. 636266	NESPS	\$	473.91
	3) OMID NI-EA Contract No. 1 PCI-4 Rehab			
	Invoice No. 636267	NI-EA	\$	4,054.77
j)	PM Technologies			
	1) Invoice No. 92114475	O&M	\$	350.00
	2) Invoice No. 92115600	O&M	\$	350.00
	3) Invoice No. 92118866	O&M	\$	350.00
	4) Invoice No. 92748987	O&M	\$	1,290.00
	5) Invoice No. 92754887	O&M	\$	630.00
	6) Invoice No. 93089757	O&M	\$	258.00
k)	PMA Consultants			
	Invoice No. 03559.01-48	NESPS	\$	19,029.58
l)	Rotor Electric			
	1) Invoice No. 12657	O&M	\$	6,506.08
	2) Invoice No. 12758	O&M	\$	10,083.78
	3) Invoice No. 12759	O&M	\$	169,730.51
	4) Invoice No. 12760	O&M	\$	1,410.75
	5) Invoice No. 12761	O&M	\$	2,664.75
	6) Invoice No. 12762	O&M	\$	5,775.00
	7) Invoice No. 12763	O&M	\$	7,053.75
	8) Invoice No. 12764	O&M	\$	940.50
	9) Invoice No. 12765	O&M	\$	1,410.75
	10) Invoice No. 12766	O&M	\$	7,409.00
	11) Invoice No. 12767	O&M	\$	2,303.25
	12) Invoice No. 12768	O&M	\$	1,816.48
	13) Invoice No. 12769	O&M	\$	1,816.48

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

ADOPTED: Yeas - 3
 Nays - 0

3) Other Business.

None.

4) Closed Session

A motion was made by Miller, supported by Nash, to enter into closed session at 12:37 p.m. to consider material exempt from discussion or disclosure as subject to attorney-client privilege pursuant to section 8(h) of the Freedom of Information Act.

ADOPTED: Yeas - 3
 Nays - 0

Chairperson Gregg declared the closed session ended at 1:24 p.m.

5) Adjourn.

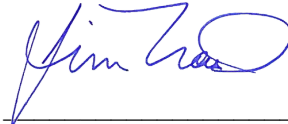
Motion by Baker, supported by Nash, to adjourn the July 17, 2024, meeting at 1:25 p.m.

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 11:30 a.m., Eastern Standard Time on August 16, 2024.

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 July 17, 2024, 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 17th day of July 2024.



Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Change Orders

CHANGE ORDER NO. FORTY-FOUR

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

Authorization for: 1.) Installation of flow stabilizing vanes in Sewage Pump # 6 intake suction cone.

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

Address:

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

Change Order No. 44 Date: August 01, 2024

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	<u>LOCATION</u>					
	<i>All the Work items noted herein are located at the Northeast Sewage Pumping Station (NESPS) in Detroit, Wayne County, Michigan.</i>					
44-1	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Furnish and install fabricated steel flow stabilizing "vanes" in the suction cone interior of main Sewage Pump No.6.</p> <p><u>REASON:</u></p> <p>The initial performance of the new Sewage Pumps Nos. 1 and 3 demonstrated discharge rates significantly less than that required by Specification, typically in the range of 80% +/- of design. In response to this performance, the Clemson Engineering Hydraulics Laboratory (now known as Verdantas) was commissioned to investigate the problem. This task required construction of a reduced scale replica of the NESPS to provide visual evidence of possible errant flow conditions that could be mitigated to improve discharge rates.</p>	LS	1 ea.	\$67,453.70	\$67,453.70	-0-

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
44-1	<p>Upon conclusion of the model testing, Clemson recommended the installation of a series of six symmetrical flow control "anti-swirl vanes" be installed around the inside surface of the concentric reducing cone that will direct wastewater flow into the pump volute intake. The basis of this modification is founded on the model-proven concept that by eliminating the "swirling flow" of the water as it enters the pump intake, the flow would be stabilized, the pre-swirl turbulence eliminated, and the resulting pump performance would be improved.</p> <p>The initial plans provided for in this Change Order involve the vane installation in the suction cone of Pump # 6. This retrofit can proceed in advance of the actual pump installation in the Station. Following field observations of the resulting pump # 6 performance with the vane installation, considerations involving retrofit improvements to the other replacement sewage pumps may also be entertained.</p> <p>The vane installation procedure involves transfer of the suction cone from the NESPS to the fabricators shop, obtaining electronic measurements of the cone interior to ensure proper vane fit-up, fabrication, and welded installation of the vanes. The completed cone with modifications will be transported to the designated specialty coating shop in Toledo, OH for surface blast cleaning and coating system application before return transport to the NESPS ready for installation.</p> <p>Attachment: Walsh Construction Co. PCI No. 970237</p> <p>*****</p> <p>END OF LINE ITEMS FOR CHANGE ORDER NO. 44</p>					
					Amount Increase	Amount Decrease
	Change Order # 44 Totals	\$67,453.70	-0-			

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



Date: 8-07-2024

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



Date: 8/7/2024

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

Date:

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

Date:

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

Date:

Except as included in this Change Order, the *Agreement* remains unchanged. Agreement on this Change Order shall constitute a final settlement of all matters relating to the change in the Work that is the subject of this Change Order, including, but not limited to, all direct and indirect costs associated with such change, and all effects of such change on unchanged Work and any and all adjustments to the Contract Sum and the Contract Time. By signing this Change Order, Construction Manager attests that the change in the amount of the Contract Sum authorized by the Change Order represents compensation in full for all costs, markup, and expenses, direct and indirect, associated with or attributable to the Change Order including any costs resulting from or caused by delays, impacts, acceleration, disruption, or loss of efficiency encountered by Construction Manager in the performance of the Work related to the Change Order, except as expressly identified and specifically reserved in the Change Order.

In addition, Construction Manager for itself, its Subcontractors and any other persons or entities acting by, through, or under them (collectively, "Releasors"), releases Owner, from any and all actual or potential claims or demands for delays, disruptions, additional work, additional compensation or an extension of the Contract Time, which Releasors may have, or in the future might have, against Owner, by reason of, based, on or in any manner connected with the subject of this Change Order or the performance of the Work identified in this Change Order, except as expressly identified and specifically reserved in the Change Order. This Change Order supersedes any referenced Work Directive.

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

Accepted by:



Date 2024 0807

Title Senior Project Manager

of: Walsh Construction Co. II, Inc.

This Change Order No. 44 was approved by the Drainage Board on: Date:

Attachment No. 1 to Change Order No. Forty-Four

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. Forty-Four; August 01, 2024
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 # 43, and including CS-9 C.O. # 1,2,3,4	\$ 7,648,895.82
This current Change Order # 44	\$ 67,453.70
<i>Adjusted GMP Contract Value, Pump & Electrical Upgrades and CS-9 Projects (Including this C.O. # 44)</i>	\$ 50,649,731.40

CHANGE ORDER NO. SEVEN (FINAL)

Oakland Macomb Interceptor Drain, Drainage District (OMID DD)

For Construction of: The North Interceptor, East Arm (NIEA) OMID Contract One, PCI-4 Rehabilitation

Located in the City of Detroit, Wayne County, Michigan

Authorization for: 1.) Final adjustment of Contract Times.

CONTRACTOR :

Marra Services, Inc.

Address:

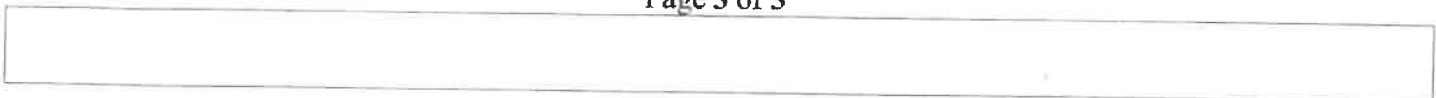
Marra Services, Inc.
700 E. 73rd. Street
Cleveland, OH 44103

Change Order No. 7 Date: August 07, 2024

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	<u>LOCATION</u>					
	<i>All Work on this Change Order was completed within the City of Detroit, Wayne County, Michigan</i>					
7-01	<p><u>DESCRIPTION (Change/ Add):</u></p> <p>Adjust the Contract Times to reflect the actual dates of Substantial and Final Completion for the Project, pursuant to the written settlement agreement with an Effective Date of June 12, 2024.</p> <p><u>REASON:</u></p> <p>The original Contract date for Substantial Completion is August 12, 2022 (NTP issued on 2-16-21+ 540 days), and the original Contract date for Final Completion is September 9, 2022 (NTP + 570 days). The previously executed Change Order # 5 extended the date of Substantial Completion to April 12, 2023.</p> <p>The established date of Substantial Completion was determined to be January 19,2024 based on the identified completion of the Work and related administrative requirements.</p> <p>The extended period from April 12,2023 to January 19,2024 was analyzed in detail by the</p>	Cal. Days				

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
7-01	<p>Project Owner, the Engineer, and the Contractor to identify the various reasons responsible for the additional delay of the project. It was ultimately determined that the reasons for this delay period were numerous and complex in duration and included multiple issues that potentially entailed both Contractor and Project Owner considerations. Following discussions involving both parties, the above referenced settlement agreement was reached, whereby, among other considerations, the date of Substantial Completion was adjusted to January 19, 2024, without assessment of Liquidated Damages.</p> <p>As further stated below, the Contractor correspondingly waives any and all demands, damages, costs or expenses for additional compensation, General Conditions costs, or other monetary damages incurred (or proposed) during this delay period, and additionally including any other prior delay, impact, or disruption charges not previously addressed by Change Order.</p> <p>This agreement is considered equitable to both the Contractor and the Project Owner, and results in adjustments to the Contract Times as noted below, with no associated changes to the Contract Value in this Change Order, subject to the terms and conditions of the above referenced settlement agreement.</p> <p>The date of Final Completion for the Project is adjusted beyond the stated Contract Period of 30 calendar days following Substantial Completion to an extended date of September 01, 2024 to recognize the additional time required by Public Utilities to remove their properties from the project limits.</p> <p>This Date of Final Completion is now adjusted to be achieved on or before September 01, 2024.</p> <p>SUMMARY:</p> <p>Adjust the date of Substantial Completion To January 19, 2024:</p> <p>Adjust the date of Final Completion from September 09, 2022 to September 01, 2024:</p> <p>*****</p>					
		Cal. Days	+282	N/A	+ 282 days	-0-
		Cal. Days	+723	N/A	+ 723 days	-0-

Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
<p style="text-align: center;">*****</p> <p>End of NIEA OMID Contract 1 Change Order No. 7 Line items</p> <p>FINAL CHANGE ORDER- TIME ONLY</p>					
				\$ Amount Increase	\$ Amount Decrease
				\$ -0-	\$ -0-
				\$ -0-	



Prepared By: Lawrence T. Gilbert Date: 8-07-2024
Lawrence T. Gilbert, P.E.
NTH Consultants, Ltd.

Recommended By: Saju Sachi/AYA Date: 8/7/2024
Saju Sachidanandan, P.E.
NTH Consultants, Ltd.

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

Except as included in this Change Order and subject to the terms and conditions of the above referenced settlement agreement, the Agreement remains unchanged. Agreement on this Change Order shall constitute a final settlement of all matters relating to the change in the Work that is the subject of this Change Order, including, but not limited to, all direct and indirect costs associated with such change, and unchanged work, and any and all adjustments to the Contract Sum and the Contract Time. By signing this Change Order, Contractor attests that the change in the amount of the Contract Sum authorized by the Change Order represents compensation in full for all costs, markup, and expenses, direct and indirect, associated with or attributable to the Change Order, including any costs resulting from or caused by delays, impacts, acceleration, disruption or loss of efficiency encountered by Construction Manager in the performance of the Work through the date of the Change Order. In addition, Contractor for itself, its Subcontractors and any other persons or entities acting by, through or under them (collectively, "Releasers"), releases Owner, without any reservations, from any and all actual or potential claims or demands, disruptions, additional work, additional compensation or an extension of Contract Time, which Releasers may have, or in the future might have, against Owner, by reason of, based on, or in any manner connected with the subject of this Change Order or the performance of the Work identified in this Change Order.

The Contractor agrees to do the work and/or accepts quantity adjustments described above and agrees to accept the Contract Sum and Contract Time adjustments in full on the basis indicated.

Accepted by: Zachariah Krouse Digitally signed by Zachariah Krouse Date: 2024.08.07 11:59:26 -04'00' P.M. Date 8/7/24
Title _____

of: Marra Services, 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. 7 was approved by the Drainage Board on: _____ Date: _____

Attachment No. 1 to Change Order No. Seven (FINAL)

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. Seven, Final (8-07-2024)
NIEA OMID Contract # 1; PCI-4 Rehabilitation

Contractor: Marra Services, Inc.

Project Award Date (Pre-Construction Services)	January 21, 2021
Notice to Proceed Date (Construction Phase)	February 16, 2021
Original Contract Substant. Completion (NTP + 540 days)	August 12, 2022
Original Contract Final Completion (NTP + 570 days)	September 9, 2022
Adjusted Previous Subst. Completion Date (C.O.5)	April 12, 2023
Original Contract Value	\$ 14,732,510.00
C.O. Values, Numbers 1 through 6	\$ 1,219,608.16
This Change Order #7 (No Change in Contract Value)	-0-
<i>Adjusted Contract Value, Including this C.O. #7</i>	\$ 15,951,758.16
<i>Adjusted Final Completion Date, pursuant to C.O. #7</i>	<i>September 01, 2024</i>

Agenda Item No. 6

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. Forty- Six
Page One of Two

Period :July 01 through July 31, 2024

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. # 43	\$22,175.35
Previous C.O.s: (Numbers 7 through No. 42 and CS-9 # 1 through # 4)	\$7,626,720.47
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 (Including C.O. # 43)	\$50,582,277.71
Sub-Total To Date	\$ 43,308,764.29
Less Deductions: None	\$ -
Less Amount Reserved (max. 10% of 50% of total CV, including CS-9 value)	\$ 2,529,113.89
Total Amount Allowed To Date: Work in Place = 86 % complete	\$40,722,750.40
Less Previous Estimates:	\$39,947,329.57
Payment Due	\$832,320.83
Reserve Pay to Contractor:	\$0.00

Amount remaining to complete: \$7,273,513.42

Accounting Auditor:

Amount to be Reserved	2,529,113.89
Less Previous Transfer to Reserve	2,528,005.12
Amount of Current Transfer	\$1,108.77

Regular Construction Estimate No. 46; July 01 through July 31, 2024 - NESPS Pump & Electrical Upgrades

Page Two of Two

Prepared by: Lawrence T. Gilbert

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

Date: 8-07-2024

Recommended by: John Michalski

John Michalski, P.E., ASI

Date: 8/7/2024

Recommended by: _____

Joel Brown, P.E. Oakland County WRC

Date: _____

Recommended by: _____

Stephen Downing; Macomb County OPWC

Date: _____

**Regular Construction Estimate No. 46; July 01 through July 31, 2024
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. 39

Period: May 01 through July 31, 2024

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: C.O. # 6	(\$68,408.45)
Total Net Change Orders:	\$1,219,248.16
<u>Adjusted Contract Amount:</u>	<u>\$15,951,758.16</u>
Sub-Total To Date	\$15,951,758.16
Less Deductions: None	\$0.00
Gross Estimate, Work in Place 100% Complete	\$15,951,758.16
Less Amount Reserved (Adjusted down by C.O. # 6)	\$797,587.91
Total Amount Allowed To Date:	\$15,154,170.25
Less Previous Estimates	\$14,951,276.62
Net Payment Request To Be Paid To Contractor:	\$202,893.63
Reserve Payment to Contractor:	\$3,420.42
<u>Amount remaining to Completion: \$ 0.00</u>	<u>Accounting Auditor:</u>
Amount to be Reserved from Above	\$797,587.91
Less Previous Transfers To Reserve:	\$801,008.33
<u>Amount of Current Transfer: Reduction in Reserve Reduction with Transfer to Contractor</u>	<u>\$3,420.42</u>

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

Date: 8-7-24

Recommended by: Saju Sachi / AYA
 Saju Sachidanandan, P. E.; NTH Consultants Ltd.

Date: 8/7/2024

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

Date: _____

Recommended by: _____
 Stephen Downing; Macomb County OPWC

Date: _____

Regular Pay Estimate No 39; May 01 through July 31, 2024

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. 40- Partial Release of Retention

Period: May 01 through July 31, 2024

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: C.O. # 6	(\$68,408.45)
Total Net Change Orders:	\$1,219,248.16
Adjusted Contract Amount:	\$15,951,758.16
Sub-Total To Date	\$15,951,758.16
Less Deductions: None	\$0.00
Gross Estimate, Work in Place 100% Complete	\$15,951,758.16
Less Amount Reserved (Partial Release of Retention, this Application)	\$397,587.91
Total Amount Allowed To Date:	\$15,554,170.25
Less Previous Estimates (Application No.39)	\$15,154,170.25
Net Payment Request To Be Paid To Contractor: (Reduction in Reserve)	\$400,000.00
Reserve Payment to Contractor:	\$400,000.00
Amount remaining to Completion: \$ 0.00	Accounting Auditor:
Amount to be Reserved from Above	\$397,587.91
Less Previous Transfers To Reserve: Pay App # 39	\$797,587.91
Amount of Current Transfer: Reduction in Reserve*Reduction with Transfer to Contractor	\$400,000.00

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

Date: 8-7-2024

Recommended by: *Saju Sachi / AYA*
 Saju Sachidanandan, P. E.; NTH Consultants Ltd.

Date: 8/7/2024

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

Date: _____

Recommended by: _____
 Stephen Downing; Macomb County OPWC

Date: _____

Regular Pay Estimate No 40 (Reduction in Reserve) 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. Twelve (Contr. 2-A Only) Period: July 01 through July 31, 2024

Department No.:	6010101	Account No.:	SC 731472
	FND84918	Program No.:	PRG 149015
Project No.:	PRJ-17408	Activity:	1-FAC-ACQ

Contractor:	Vendor # TBD Contract # 10396	
Z Contractors, Inc.	License # 07130 exp. 4-30-25	NTP 6/29/2023
50500 Design Lane	Final Completion Dates	Oct. 28, 2024 (2A) & June 24, 2025 (2-B)
Shelby Township, MI 48315	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		\$37,930.25
Total Net Change Orders:		\$37,930.25
<u>Adjusted Contract Amount: (Contract 2A Only)</u>		<u>\$9,526,580.25</u>
Sub-Total To Date		\$6,771,567.86
Less Deductions: None		\$0.00
Gross Estimate, Work in Place	71% Complete	\$6,771,567.86
Less Amount Reserved (Max. at 10% of 50% of adj. C.V.)		\$476,329.02
Total Amount Allowed To Date:		\$6,295,238.84
Less Previous Estimates		\$5,471,582.25
Net Payment Request To Be Paid To Contractor:		\$823,656.59

Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$ 2,755,012.39	Accounting Auditor:
Amount to be Reserved from Above	\$476,329.02
Less Previous Transfers To Reserve:	\$476,329.02
Amount of Current Transfer	\$0.00

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

Date: 8-07-24

Recommended by: *Saju Sachi / AYA*
 Saju Sachidanandan, P. E.; NTH Consultants Ltd.

Date: 08/07/2024

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

Date: _____

Recommended by: _____
 Stephen Downing; Macomb County OPWC

Date: _____

Regular Pay Estimate No. Twelve; July 01 through July 31, 2024 Approved By Board On: _____

Agenda Item No. 7

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.

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.

August 14, 2024 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (August 6, 2024) 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/Corrosion Control System: NTP Pending

- Project Design Budget: \$1,054,052.86
- Total Spent (Invoice No. 15, through June 2024): \$959,454.98
- EWO #3 for Jacobs' services during construction was approved by the Drain Board on July 17, 2024 OMIDDD Board meeting.
- Jacobs' effort is currently on time according to the latest project schedule.

Status of Major Project Tasks:

- A construction contract with Commercial Contracting Corporation (CCC) is currently being prepared for execution and was signed by CCC's designated representative (Contract Amount: \$7,419,000.00).
- Permitting activities include the Sterling Heights' Engineering Department site plan review, which is complete, pending permits to be pulled by the selected construction contractor. Sterling Heights' Building Department site plan review is also complete. Jacobs will be paying the Engineering Review fee and will request reimbursement by OMIDDD.
- Notice-to-Proceed for CCC is anticipated to be in mid-September 2024.
- The design of the 15 Mile Road/ITC Corridor (Control Structure No. 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), and data from other odor/corrosion control sites is available.

SRF Segment 2 (Contract 3) Status: Complete

SRF Segment 3 (Contract 4) Status: Complete

SRF Segment 4 (Contracts 5-7) Status: Complete NESPS Odor/Corrosion Control System: 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 final 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 substantial completion of MIDDD Segment 5 pipe storage on the site (expected Fall 2024).
- 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, and Pump/Electrical Upgrade Project is ongoing and has not impacted station operations or the ability to meet demand.
- The installation of the new wet well elevator is underway and on schedule for completion in mid-August, 2024.
- Excavation of existing and installation of new Stand-by Generator duct bank is complete. Work to complete electrical wiring runs remains. No interruptions to PS operations noted. Two (2) megawatt portable generators will remain on-site to provide standby power during the installation of the new generator, duct bank, and electrical tie-in (total of about 2 months).
- New Transformer(s) T3 and T4 are in service providing dual electrical duty without any issues.
- Old Transformers T3 and T4 have been demolished and removed from the site.
- Sanitary Pump #4 on track for a late September 2024 start after ongoing repairs. Preparations remain on track to install the VFD and related equipment.
- Lardner has applied for the final Dry Well Elevator Permit from the City of Detroit. Outstanding items include the closeout inspection and emergency power tie-in. (Work in progress). An inspection date will be requested once the work has been completed.
- The last quarterly wet well bar screen cleaning took place on March 20, 2024. A re-visit attempt on July 30, 2024 was impacted by wet weather. A new date will be established soon. The North and South bar screens remain in good condition. We continue to monitor bar screen conditions daily.

- The Sanitary Pump #5 14-Day run test began July 25, 2024 and is scheduled to run through August 8, 2024. The pump has responded well to auto and local modes. One minor electrical fault occurred July 26, 2024 upon auto-start. A reset resolved the issue, although another fault occurred apparently related to the exiter. No other issues electrically or mechanically.
- Sanitary Pump #6 is scheduled to be out of service for replacement starting August 12, 2024, assuming no further issues with Pump #5.

Overall NESPS Station Performance Report by METCO:

- Mechanical: Sanitary Pumps #1 #2, #3, #5 and #6 are ready for duty (Pumps #1, #3, and #5 have not performed to the design capacity but are provisionally approved by the manufacturer for use while evaluations and consideration of options for mitigation continue). Current Total Pumping Capacity equals 525cfs. Contract Capacity 423cfs. Firm Capacity 400cfs.
- A significant (running) oil leak appeared during a trial run of Sanitary Pump #5 (as previously reported). Flowserve requested a complete removal of the Pump #5 rotating assembly to repair. This has been repaired by Flowserve. No oil leaks present.
- Electrical issues with Sanitary Pump #3 and Pump #5 were resolved by the electrical team during the visit on June 21, 2024.
- Sanitary Pump #4 remains out of service, after the Variable Frequency Drive (VFD) failed catastrophically, and the unit was deemed unserviceable. Project Pump 4 (Toshiba MV 2000HP VFD) installation remains on schedule for September 2024.
- The overhaul of Sanitary Pump #4 shaft bearings and pump mechanical seal is complete.
- The wet well dewatering pump required a lip seal replacement, completed last month. Kennedy also recommends a shaft bearing overhaul, which is pending. Pump is ready for duty.
- NESPS/GLWA LOTO (Lock-Out Tag-Out) continues as a primary means of safety communication.
- Dry well submersible sump Pumps #1 and #2 are in service and ready for duty.
- CMMS: NEXGEN asset management in use. Monthly status meetings are being held with OMID. Contractors are fulfilling their NEXGEN requirements with no outstanding issues to report.
- HVAC: Gas detection is in use. New oxygen sensors have been installed and programming is complete. Rounds are conducted daily. Calibrations were completed July 31, 2024. Unit air filters are restocked and changed as required. Station ventilation and gas detection continue to be closely monitored.
- Bio Filter performance has been acceptable. No odor or complaints have been reported. The problematic blower isolation dampers have been mechanically adjusted to provide greater ease of operation.
- 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).
- All LOTO protocols remain in place.
- System-wide communications are good.
- CS-6 gate is in stand-by mode and ready for service.
- CS-5 and CS-8 in stand-by mode and ready for service.
- CS-9 in stand-by mode and ready for service (some minor repairs pending).
- 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, recent EGLE approval of gate use for long term flow management, and recent inspection and repair status.

OMID Control Structure Upgrades Status:

- ASI is complete with design of major upgrades to control structures which takes into consideration long-term operability.
- Currently considering options for packaging and contract delivery (i.e., one or multiple contracts, etc.)
- Currently evaluating potential impacts on other projects and best timing for construction, although start of the work is on hold and tentatively planned for 2025.

OMID System 6-Year Inspection Status:

- All inspections are complete and the final report has been finalized. Certain maintenance repairs identified during the inspection are planned to be completed by one of WRC or MCPWC task-order contractors; solicitation in progress.

NIEA Rehabilitation

Contract 1 (PCI-4 Rehabilitation): Complete

Amt Invoiced: Construction cost to date is \$15,951,758.16, representing 100% of the adjusted Contract value.

Schedule Status: The adjusted Contract Substantial Completion date is April 12, 2023, with the final realized SC date being January 19, 2024. A final Change Order Adjustment considering credit for out-of-scope work results in a wash (i.e., no penalty for late completion).

Contract 1 (PCI-4 Rehabilitation) Construction Status:

- All Contract Work, including additional rehabilitation work at the NESPS Gatehouse has been completed.
- Final change order preparation and Contract closeout tasks are complete and under review by the Project Owners.

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

Amt Invoiced: \$6,771,567.86 out of \$9,526,580.25 (construction, Contract 2A only) has been completed, representing 71 % complete.

Schedule Status: Contract 2A: On time, although comments to the current schedule submittal expected to result in about 10 days late projection.

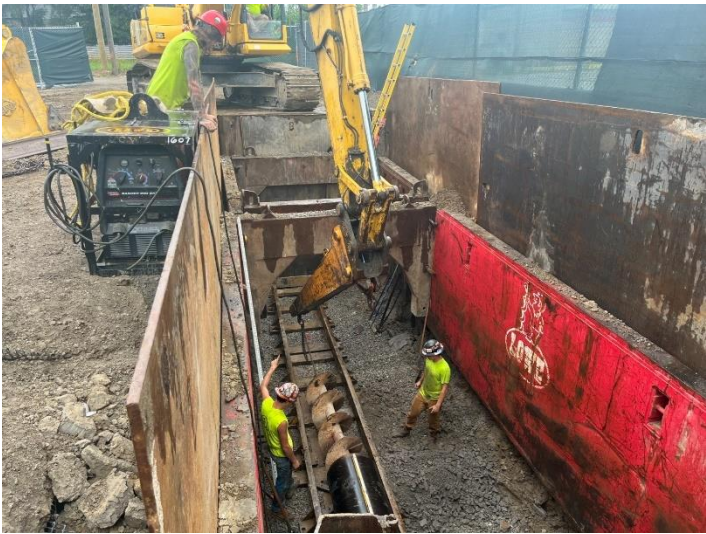
Contract 2 (PCI -18/19 Rehabilitation) Construction Status:

- Traffic control equipment is in place including signal, lane closure, and signage revisions.
- The Seven Mile shaft is essentially complete, pending internal finishes and roof installation.
- Geotechnical instrumentation continues to indicate stable conditions, with no significant ground movement.

- The existing PC-663 stop gate has been removed. The PC-663 TERS is complete. Work on the Van Dyke underground conduit crossing and cable vault installation is complete and structure backfill is in progress. The main bulkhead gate is onsite and Contractor is preparing for installation.
- The Contractor and the Engineer’s field staff have continued to work successfully with the local community on traffic control issues and business interference concerns.
- Coordination efforts between Contract 2B (projected to begin March 2025) and downstream DRI work by GLWA continue. A coordination meeting took in July 2024 with a subsequent meeting planned for September 4, 2024.

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
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		
Completion of Construction	\$3,500,000	\$28,630,000	Contract 1, SC at 4/24; FC 4/24 Contract 2A& B, est. 9/24 and 8/25.



Contractor’s jack & bore application



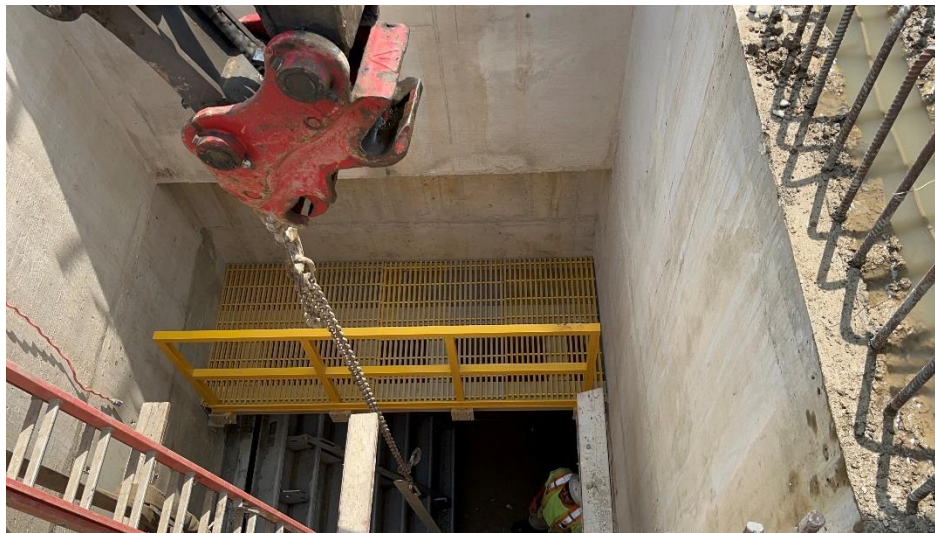
Slide-rail Earth Retention System



Receiving pit near PC663



7 Mile access shaft top slab reinforcement



Installation/testing of flap gate in 7 Mile access shaft

NESPS Pump and Electrical Upgrades Project

Budget Status: The total construction amount invoiced as of November 30, 2023, is \$43,808,764.29 out of \$50,582,277.71 (including the operational Control Structure 9 Bulkhead Gate facility and adjusted for stored material inclusion in major work activities), representing 86 % of the Pump & Electrical Upgrades Project, with additional change order additions equalizing the regular work completion values.

Schedule Status: Work is currently affected by performance evaluations of Pump #1, # 3. The estimated delay is 24 months, which cannot be recovered. The project team hopes to reduce further delay with schedule enhancement efforts. Negotiations with the Contractor are ongoing.

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 both pumps approved for provisional use but currently operating below design capacity. Physical model testing at

Clemson University to further evaluate the cause and resolution of this issue is complete. “Pre-swirl” effects appear to be the issue and installation and preparation are underway to install “flow-fins” in Pump #6. Vane installation on the remaining pumps TBD on the basis of the results of the Pump #6 retrofit.

- Sanitary Pump #5 has been placed into service for the initial evaluation period. While discharge rates are somewhat below design expectations, the overall performance has been generally positive.
- Demolition of the existing Wet Well Elevator components is complete. The installation of the new elevator, rail, and accessory equipment continues.
- 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.
- 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. The first payment on the BR claim has been received by OMID and disbursement protocols are underway.
- Schedule adjustments are currently under discussion. The Contractor has revised the sequence of rehabilitation for the existing Pump Knife Gate Valves: KG#1, #2, and #5 have been re-installed after rehabilitation. KG #6 will be replaced with a new valve (currently on-site) rather than refurbishing the original to realize schedule improvements and potential cost savings.
- Work on the alternate discharge piping installation for the Dewatering Pump is complete, and safety screens to protect personnel from the rotating drive shaft have been installed. Modifications to the shaft screens on the larger Sewage Pumps have also been completed to allow for greater maintenance flexibility.
- The switchover of the existing primary transformers, demolition of the concrete-encased conduit in the Electrical Building basement, and the floor and wall concrete replacement, have all been completed.
- Phase I and Phase II of the site concrete paving is now complete. Now preparing for late Summer 2024 Phase III paving.
- Fabrication of the new 25-ton overhead crane for the Motor Room continues at the local fabricator’s shop. The installation schedule will be coordinated with other tasks involving use of the crane.
- The primary Transformers T3 and T4 have been replaced.
- Underground electrical conduit installation extending from the standby generators to the electrical building basement is complete with power and control cable installation in progress.

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
9 Final Package Development			8/14/2020
Subtotal	\$3,826,000		
10 Substantial Completion	\$2,500,000 (est.)	\$49,380,000	3/19/2025 (late)
11 Final Completion		\$49,380,000	June 2025 (late)



**NESPS Refurbishment Project
Location**



New conduits for high voltage power lines



Contractor pulling 480 volt lines from electrical switchgear



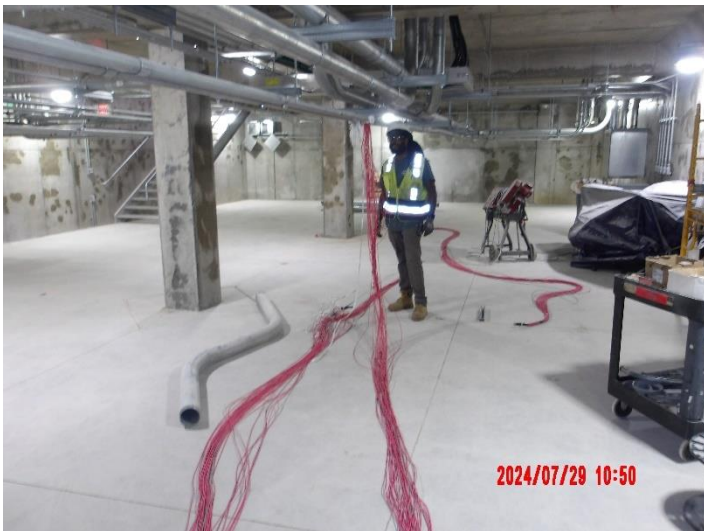
Extension of existing conduits for future use



New tracks for wet well elevator



Pouring the basement floor strip



Installing low voltage electrical for Pump #4 VFD



New overhead safety ladder in NESPS



Demolition of Transformer 4



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

Slip lining with Hobas and grouting of the annular space upstream of CS-12 continues. As of August 1, 2024 the contractor has placed 264 total pipes (approximately 5,100 feet). OMIDDD repair section between CS-4 and CS-12 expected late Fall 2024.



Grouting annular space of installed Hobas



Grout communication



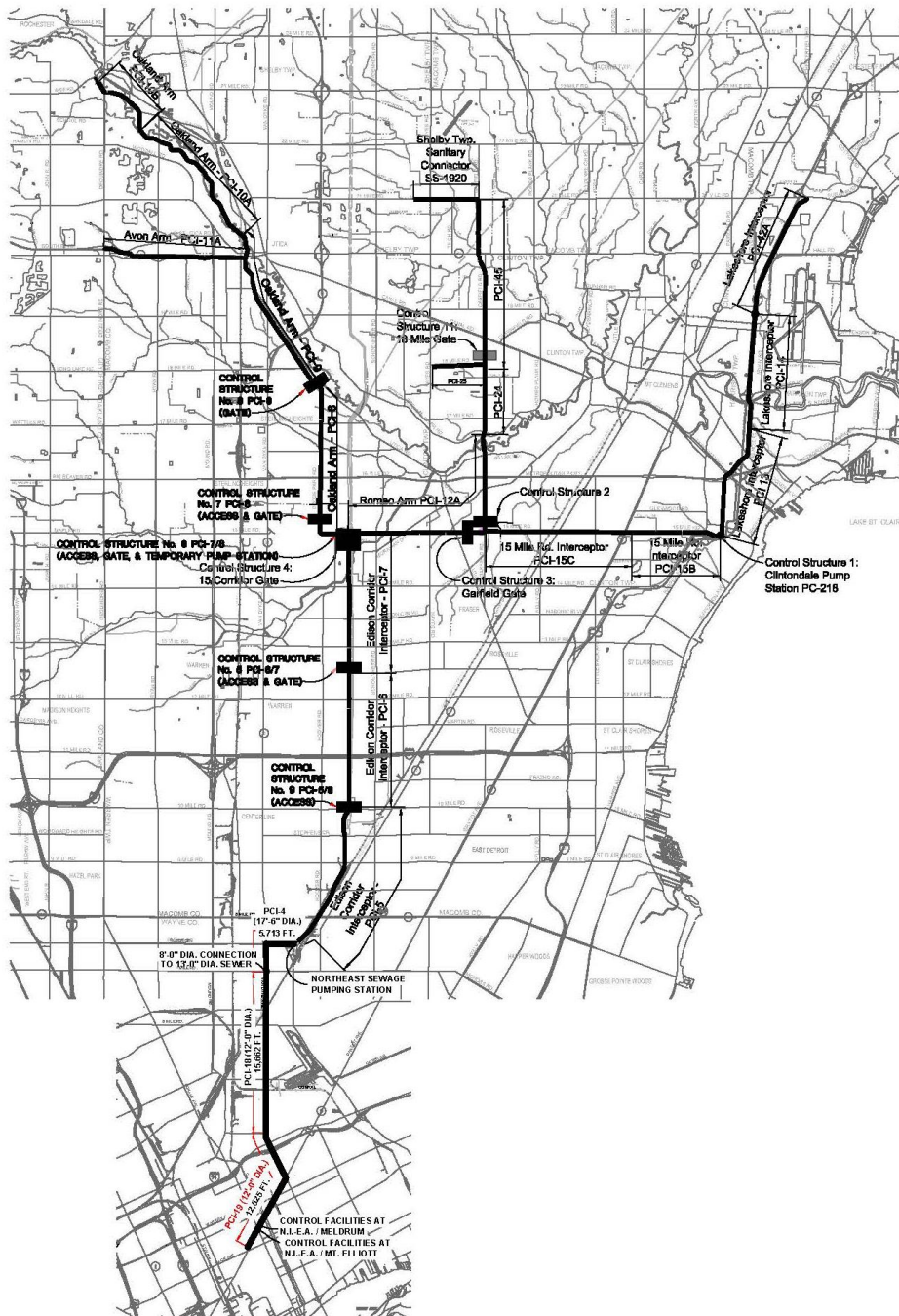
Annular grouting operations



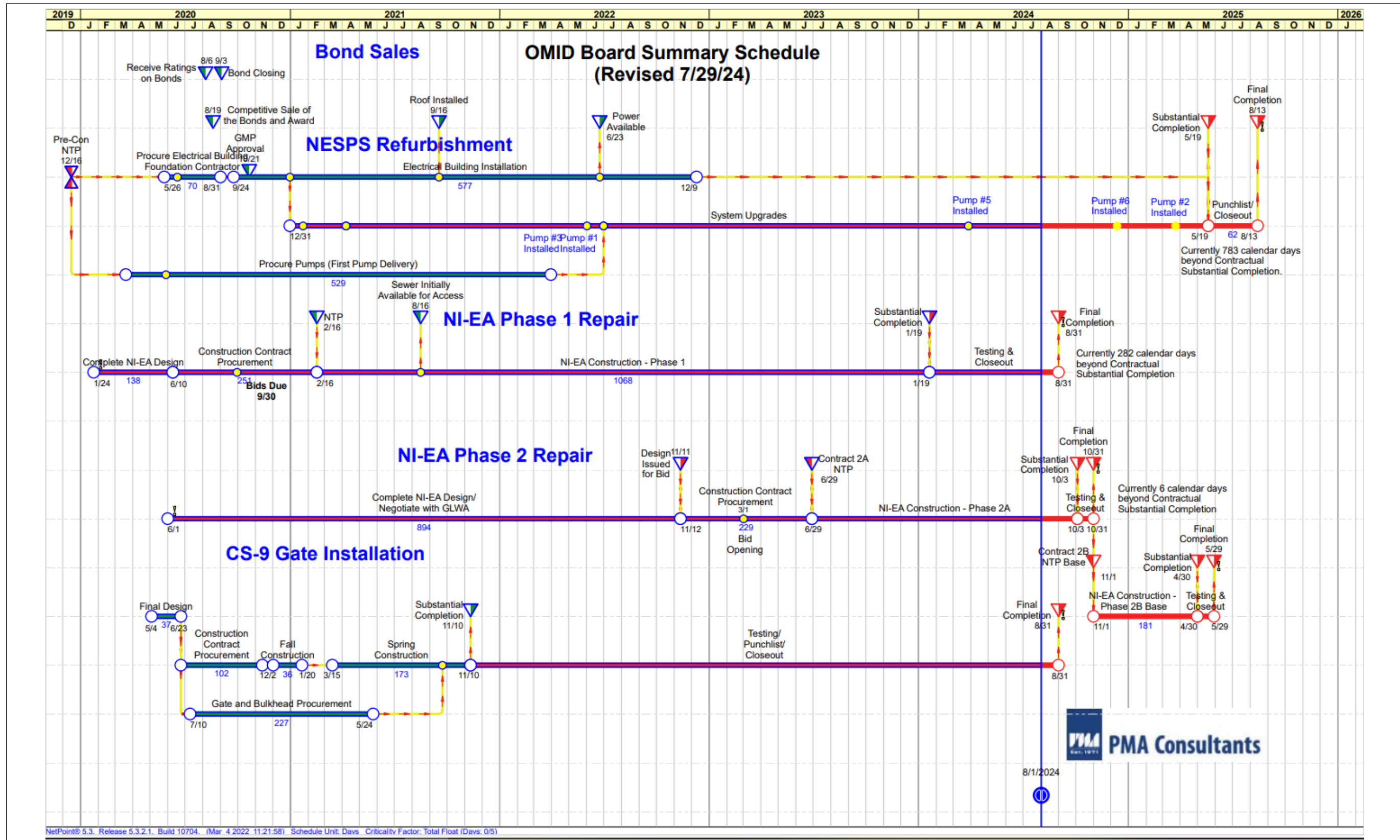
Summary of OMID Design and Construction Status:

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/Y	Y/Y/Y	Y/Y/Y	N/A
N/A	OMID Maintenance Repairs	Doetsch	Y	Y	Y	Y	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	3-year inspection and repairs	Doetsch	Y	Y	Y	Y	N/A
N/A	6-year inspection	Doetsch	Y	Y	Y	Y	N/A
N/A	NIEA-OMIDDD Contract 1 (PCI-4)	Marra	Y	N	N	N	Y
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	Design and bidding Complete, award to CCC pending
NESPS & OMID Maintenance & Repairs	Metco	Engineering/Maintenance Ongoing
Emergency Pumping Plan	ASI/NTH/FKE	Draft Plan to be modified following ITC bypass pumping modifications
Control Structure Upgrades	ASI	Design Complete; On hold for bidding



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



OMID Project Schedule Summary

Agenda Item No. 8

**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 10, 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	2,312,463.66	4,368,732.66	9,106,228.30	15,787,424.62
143100	PrepaidExpenses			205,138.01	205,138.01
	ASSETS	2,312,463.66	4,368,732.66	9,311,366.31	15,992,562.63
201210	Vouchers Payable AP Cont			(305,145.31)	(305,145.31)
222300	Unearned Revenues	576,414.65	(1,026,815.32)	(2,892,320.31)	(3,342,720.98)
	LIABILITIES	576,414.65	(1,026,815.32)	(3,197,465.62)	(3,647,866.29)
698200	Insurance Recoveries			(769,476.00)	(769,476.00)
655000	Income From Investments	(1,036,794.31)			(1,036,794.31)
	REVENUES	(1,036,794.31)	0.00	(769,476.00)	(1,806,270.31)
730000	Contractual Services		1,819,725.78	5,119,430.40	6,939,156.18
770000	Internal Support Expenditures		55,232.94	87,503.78	142,736.72
	EXPENSES	0.00	1,874,958.72	5,206,934.18	7,081,892.90
381315	FB Restricted Debt	(47,288,433.00)			(47,288,433.00)
382100	FB Committed for Capital Proj	45,436,349.00	(5,216,876.06)	(10,551,358.87)	29,668,114.07
	Fund Balance	(1,852,084.00)	(5,216,876.06)	(10,551,358.87)	(17,620,318.93)
		0.00	0.00	0.00	0.00

Cash as of 07/31/2024 \$ 15,787,424.62

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (210,934.21)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (981,324.63)

Total Net Cash Balance \$ 14,595,165.78

OCM Project Work In Progress

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

Project	Final Budget	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	28,395,600.00	(902,798.40)	-	-	1,874,958.72	1,874,958.72	24,033,610.76	4,361,989.24
1 > Administration	584,000.00	-	-	-	-	-	175,749.40	408,250.60
1 > Contingency	2,581,000.00	-	-	-	-	-	-	2,581,000.00
1 > Engineering	478,000.00	2,201.60	-	-	50,713.47	50,713.47	261,506.09	216,493.91
1 > Engineering Consultants	4,913,000.00	-	-	-	455,873.53	455,873.53	5,870,922.29	(957,922.29)
1 > Facility Acquisition	17,983,600.00	(900,000.00)	-	-	1,369,007.25	1,369,007.25	17,197,983.29	785,616.71
1 > Inspection	260,000.00	-	-	-	-	-	-	260,000.00
1 > Legal and Financial	1,259,000.00	(5,000.00)	-	-	(5,155.00)	(5,155.00)	241,905.59	1,017,094.41
1 > Right of Way	265,000.00	-	-	-	4,519.47	4,519.47	86,378.76	178,621.24
1 > STANDARD	40,000.00	-	-	-	-	-	199,165.34	(159,165.34)
1 > Survey	32,000.00	-	-	-	-	-	-	32,000.00
Project Revenues	-	-	-	-	-	-	27,375,528.10	
RC605572 - Special Assessments Revenue	-	-	-	-	-	-	5,403,685.03	
RC697551 - Issuance of Bonds	-	-	-	-	-	-	21,965,099.65	
RC698200 - Insurance Recoveries	-	-	-	-	-	-	6,743.42	
Revenue Over/ (Under) Expenses							3,341,917.34	

OCM Project Work In Progress

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

Project	Final Budget	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	54,086,000.00	(15,803.31)	-	709,852.00	5,206,934.18	5,916,786.18	45,849,255.00	8,236,745.00
1 > Administration	620,000.00	-	-	-	3,824.75	3,824.75	48,243.81	571,756.19
1 > Contingency	4,917,000.00	-	-	-	-	-	-	4,917,000.00
1 > Engineering	446,000.00	537.12	-	-	46,476.52	46,476.52	327,958.21	118,041.79
1 > Engineering Consultants	3,987,000.00	(25,000.00)	-	-	744,320.60	744,320.60	4,024,910.03	(37,910.03)
1 > Facility Acquisition	40,857,000.00	-	-	-	3,887,322.12	3,887,322.12	39,278,442.54	1,578,557.46
1 > Inspection	285,000.00	5,010.66	-	-	39,613.54	39,613.54	429,289.43	(144,289.43)
1 > Legal and Financial	2,417,000.00	50,058.91	-	-	242,075.37	242,075.37	493,425.86	1,923,574.14
1 > Right of Way	393,000.00	-	-	-	-	-	-	393,000.00
1 > STANDARD	130,000.00	(46,410.00)	-	709,852.00	243,301.28	953,153.28	1,244,834.81	(1,114,834.81)
1 > Survey	34,000.00	-	-	-	-	-	2,150.31	31,849.69
Project Revenues	-	-	-	-	769,476.00	(769,476.00)	51,963,155.69	
RC605572 - Special Assessments Revenue	-	-	-	-	-	-	9,356,057.68	
RC697551 - Issuance of Bonds	-	-	-	-	-	-	41,837,622.01	
RC698200 - Insurance Recoveries	-	-	-	-	769,476.00	(769,476.00)	769,476.00	
Revenue Over/ (Under) Expenses							6,113,900.69	

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13252 OMID Segment 5
Budget Structure Project Task
Budget Name
Period FY2024 - Jul

Project	Actuals MTD	Actuals YTD	Total Spend	Actuals LTD
Project Expenses	-	-	-	757,136.57
1 > Administration	-	-	-	242,201.57
1 > Legal and Financial	-	-	-	514,935.00
Project Revenues	35,466.14	1,036,794.31	(1,036,794.31)	3,646,014.88
RC605572 - Special Assessments Revenue	-	-	-	894,060.05
RC655077 - Accrued Interest Adjustments	-	167,703.74	(167,703.74)	86,724.04
RC655385 - Income from Investments	35,466.14	297,192.28	(297,192.28)	1,579,143.46
RC655462 - Increase Market Value Investment	-	571,898.29	(571,898.29)	1,084.24
RC697219 - Premiums on Bonds Sold	-	-	-	7,672,724.75
RC697551 - Issuance of Bonds	-	-	-	(6,587,721.66)
Revenue Over/ (Under) Expenses				<u>2,888,878.31</u>

YTD Trial Balance Fund: 84918 NIEA Contract #2 As of Fiscal Period: Month 10, 2024		NIEA Contract #2 Bond Issue PRJ-17384	NIEA Contract #2 Construction PRJ-17408	YTD Balance
100100	Cash - Operating	211,574.92	10,021,644.54	10,233,219.46
	ASSETS	211,574.92	10,021,644.54	10,233,219.46
201210	Vouchers Payable AP Cont		(323,749.43)	(323,749.43)
222300	Unearned Revenues		(9,369,228.15)	(9,369,228.15)
	LIABILITIES	0.00	(9,692,977.58)	(9,692,977.58)
630000	Income From Investments		(1,125,000.00)	(1,125,000.00)
655000	Income From Investments	(592,822.62)		(592,822.62)
	REVENUES	(592,822.62)	(1,125,000.00)	(1,717,822.62)
730000	Contractual Services		6,477,003.61	6,477,003.61
770000	Internal Support Expenditures		358.08	358.08
	EXPENSES	0.00	6,477,361.69	6,477,361.69
382100	FB Committed for Capital Proj	381,247.70	(5,681,028.65)	(5,299,780.95)
	Fund Balance	381,247.70	(5,681,028.65)	(5,299,780.95)
		0.00	(0.00)	(0.00)

Cash as of 07/31/2024 \$ 10,233,219.46

Invoices/Reimbursements for Construction PRJ-17408 on Current Agenda impacting Cash Balance (879,135.78)

Total Net Cash Balance \$ 9,354,083.68

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
Budget Name
Period FY2024 - Jul

Project	Final Budget	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	15,600,000.00	(21,071.53)	-	-	6,477,361.69	6,477,361.69	6,786,354.60	8,813,645.40
1 > Administration	95,287.00	-	-	-	-	-	-	95,287.00
1 > Engineering	235,465.00	179.04	-	-	358.08	358.08	358.08	235,106.92
1 > Engineering Consultants	2,089,000.00	(10,949.31)	-	-	774,890.00	774,890.00	838,085.25	1,250,914.75
1 > Facility Acquisition	12,596,000.00	(10,301.26)	-	-	5,225,784.60	5,225,784.60	5,471,582.26	7,124,417.74
1 > Inspection	230,037.00	-	-	-	-	-	-	230,037.00
1 > Legal and Financial	279,000.00	-	-	-	-	-	-	279,000.00
1 > Right of Way	42,000.00	-	-	-	-	-	-	42,000.00
1 > STANDARD	15,796.00	-	-	-	476,329.01	476,329.01	476,329.01	(460,533.01)
1 > Survey	17,415.00	-	-	-	-	-	-	17,415.00
Project Revenues	-	-	-	-	1,125,000.00	(1,125,000.00)	7,115,021.56	
RC605572 - Special Assessments Revenue	-	-	-	-	-	-	193,214.85	
RC631827 - Reimb General	-	-	-	-	1,125,000.00	(1,125,000.00)	1,125,000.00	
RC697219 - Premiums on Bonds Sold	-	-	-	-	-	-	176,878.45	
RC697551 - Issuance of Bonds	-	-	-	-	-	-	5,619,928.26	
Revenue Over/ (Under) Expenses							328,666.96	

OCM Project Work In Progress

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

Project	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD
Project Expenses	-	-	-	-	-	124,622.50
1 > Administration	-	-	-	-	-	124,622.50
Project Revenues	23,134.41	-	-	592,822.62	(592,822.62)	336,197.42
RC655385 - Income from Investments	23,134.41	-	-	206,680.28	(206,680.28)	226,125.68
RC697551 - Issuance of Bonds	-	-	-	-	-	110,071.74
Revenue Over/ (Under) Expenses						<u>211,574.92</u>

County of Oakland
Oakland Macomb InterceptorCh21 Fund
Statement of Revenues, Expenses, and Changes in Net Position
For the Nine Months Ended June 30, 2024
75% of The Year Complete

	<u>Amended Budget</u>	<u>Actual</u>	<u>(Unfavorable) Variance</u>	<u>TYD % of Budget</u>
Operating revenues				
Sewage Disposal Services	\$ 78,650,890.00	\$ 58,988,167.38	\$ (19,662,722.62)	75.00%
Inspection Fees	320.00	0.00	(320.00)	0.00%
Plan Review Fees	170.00	0.00	(170.00)	0.00%
Total operating revenue:	<u>\$ 78,651,380.00</u>	<u>\$ 58,988,167.38</u>	<u>\$ (19,663,212.62)</u>	<u>75.00%</u>
Operating expenses				
Contractual services				
Contracted Services	\$ 11,537,250.00	\$ 947,170.40	\$ 10,590,079.60	8.21%
Electrical Service	919,650.00	746,401.40	173,248.60	81.16%
Engineering Services-Other	45,000.00	(15,702.30)	60,702.30	-34.89%
Equipment Maintenance	445,630.00	525,041.53	(79,411.53)	117.82%
Equipment Repair	725,000.00	590,856.91	134,143.09	81.50%
Insurance	1,300,000.00	928,197.76	371,802.24	71.40%
Land and Easements	0.00	10,179.69	(10,179.69)	No Budget
Legal Services	74,790.00	1,128.50	73,661.50	1.51%
Licenses and Permits	710.00	1,354.90	(644.90)	190.83%
Membership Dues	0.00	538.83	(538.83)	No Budget
Natural Gas	80,000.00	29,500.94	50,499.06	36.88%
Professional Services	0.00	(155,677.67)	155,677.67	No Budget
Public Services	60,000.00	58,286.88	1,713.12	97.14%
Recording Fees Expense	0.00	100.00	(100.00)	No Budget
Right of Way	7,930.00	0.00	7,930.00	0.00%
Sewage Disposal Services	72,221,800.00	53,570,700.00	18,651,100.00	74.18%
Water and Sewage Charges	125,000.00	93,667.07	31,332.93	74.93%
Workshops and Meeting	1,040.00	2,880.72	(1,840.72)	276.99%
Total contractual services	<u>\$ 87,543,800.00</u>	<u>\$ 57,334,625.56</u>	<u>\$ 31,509,174.44</u>	<u>65.49%</u>
Commodities				
Material and Supplies	\$ 2,770.00	\$ -	\$ 2,770.00	0.00%
Total commodities	<u>\$ 2,770.00</u>	<u>\$ -</u>	<u>\$ 2,770.00</u>	<u>0.00%</u>
Internal services				
Drain Equip Materials	\$ -	\$ 1,080.76	\$ (1,080.76)	No Budget
Drain Equip Labor	101,220.00	75,990.67	25,229.33	75.07%
Drain Equipment	3,590.00	3,508.56	81.44	97.73%
Total internal services	<u>\$ 104,810.00</u>	<u>\$ 80,579.99</u>	<u>\$ 24,230.01</u>	<u>76.88%</u>
Total operating expense	<u>\$ 87,651,380.00</u>	<u>\$ 57,415,205.55</u>	<u>\$ 30,236,174.45</u>	<u>65.50%</u>
Operating income (loss)	<u>\$ (9,000,000.00)</u>	<u>\$ 1,572,961.83</u>	<u>\$ 10,572,961.83</u>	<u>-17.48%</u>
Nonoperating revenues (expenses)				
Income from investments	\$ 300,000.00	\$ 865,816.26	\$ 565,816.26	288.61%
Total nonoperating revenues (expenses)	<u>\$ 300,000.00</u>	<u>\$ 865,816.26</u>	<u>\$ 565,816.26</u>	<u>288.61%</u>
Income (loss) before transfer	\$ (8,700,000.00)	\$ 2,438,778.09	\$ 11,138,778.09	288.61%
Transfers in	0.00	0.00	0.00	No Budget
Transfers out	0.00	0.00	0.00	No Budget
Change in net position	<u>\$ (8,700,000.00)</u>	<u>\$ 2,438,778.09</u>	<u>\$ 11,138,778.09</u>	<u>-28.03%</u>
Net Position - beginning		<u>15,711,211.52</u>		
Net Position - ending		<u>\$ 18,149,989.61</u>		

**County of Oakland
OMIDD Maintenance Fund
Statement of Net Position
June 30, 2024**

ASSETS

Current assets:

Cash	\$ 26,321,449.91
Accrued interest receivable	-
Due from municipalities	4,471,317.83
Due from other funds	(17.64)
Prepaid Expenses	446,588.98
 Total assets	 <u>\$ 31,239,339.08</u>

LIABILITIES

Current liabilities:

Vouchers payable	\$ 6,032,846.69
Accounts Payable	6,979,128.21
Due To Municipalities	66,423.63
Due To Other Funds	6,700.94
Deposits	4,250.00
 Total liabilities	 <u>\$ 13,089,349.47</u>

NET POSITION

FB Major Maint Reserve	4,716,242.14
FB Emergency Maint Reserve	2,513,849.13
FB Capital Improvement Reserve	7,183,051.58
FB Restricted Programs	3,736,846.76
Total net position	<u><u>\$ 18,149,989.61</u></u>

Oakland County - Water Resources Commissioner's Office
Fund Equity: Schedule of Reserves and Dedicated Funds
As of Date: July 31, 2024

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	4,965,149.27	2,515,991.49	7,252,758.40	3,526,086.26		18,259,985.42
84917	OMIDD Seg 5						
	- Project 1-3252 Interceptor Seg 5					2,888,878.31	
	- Project 1-3308 NI - EA Construction					3,341,917.34	
	- Project 1-3309 NESPS Construction					<u>6,113,900.69</u>	<u>12,344,696.34</u>
84918	OMIDDD North Interceptor East Arm – Contract #2						
	- Project: PRJ-17384 OMIDDD NIEA Contract2 Bond Adm					211,574.92	
	- Project: PRJ-17408 OMIDDD NIEA Contract2 Construction					<u>328,666.96</u>	540,241.88
Total Equity in Maintenance and Construction Funds							<u><u>30,604,681.76</u></u>

NOTE: This report presents pre-closing figures and as such are subject to change

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMIDD Meeting Date 08/14/2024

		84917	84917	84918	82912	
		1-3308	1-3309	1-7408		
<u>Payable To</u>	<u>Invoice #</u>	<u>Segment 5 NIEA Construction</u>	<u>Segment 5 NESPS Mech / Electric Construction</u>	<u>NIEA Contract #2 Construction</u>	<u>Operations & Maintenance</u>	<u>Total</u>
Oakland County *	WRC Labor/Fringes/Non-direct Labor (06/29/2024 - 07/26/2024)	2,146.80	5,309.40			7,456.20
Oakland County *	WRC Equipment (06/29/2024 - 07/26/2024)	54.80	238.38			293.18
Clark Hill PLC	Invoice # 1456877 Matter 463149 Walsh Construction Svs Through 06/30/2024		510.00			510.00
Clark Hill PLC	Invoice # 1456893 Matter 490169 NIEA Svs Through 06/30/2024	5,559.00				5,559.00
CSM Mechanical, LLC	Invoice # 3610 - Job 2334 Daytank repair 07/09/24				1,338.17	1,338.17
CSM Mechanical, LLC	Invoice # 3696 - Job 2359 Annual Calibration MSA gas detection panels June 2024				2,666.50	2,666.50
D'Angelo Brothers Inc.	Invoice # 111824-01 - MH Bypass Modifications 11/4/2022				25,352.29	25,352.29
Kennedy Industries	Invoice # 642228 - NEPS Pump Field Service 5/6 - 5/9/24				65,416.65	65,416.65
Kennedy Industries	Invoice # 642520 - NEPS Pump Field Service 5/28/24				1,607.70	1,607.70
Meadowbrook Insurance Agency	Invoice # 14646 Policy OCIPADMINFEE NESPS OCIP Admin Service Fee 7/1/24 - 7/1/25		125,000.00			125,000.00
METCO Consulting Engineers	Invoice # 1811-67 07/01/2024 Through 08/04/2024				97,469.14	97,469.14
Motor City Electric Technologies	Invoice # 95825 T&M SCADA Work 07/15/24				135.00	135.00
Motor City Electric Technologies	Invoice # 95826 T&M SCADA Work 07/16/24				495.00	495.00
Motor City Electric Technologies	Invoice # 95827 T&M SCADA Work 07/19/24				270.00	270.00
Motor City Electric Technologies	Invoice # 95649 T&M SCADA Work 03/25/24				135.00	135.00
NTH Consultants	Invoice # 636549 (D-421 & D-462) Engineering Services 06/22/24 - 07/19/24		2,731.53			2,731.53
NTH Consultants	Invoice # 636550 (D-425 & D-457) Engineering Services 06/22/24 - 07/19/24	2,481.58				2,481.58
NTH Consultants	Invoice # 636551 (D-458 & D-463) Engineering Services 06/22/24 - 07/19/24			55,479.19		55,479.19
PM Technologies	Invoice # 86174785 NESPS MSLC/DSLRC replacement Date 01/08 - 04/15/2024				14,811.60	14,811.60
PM Technologies	Invoice # 92529020 NESPS Generators Date 06/10 - 07/03/2024				169,804.00	169,804.00
PMA Consultants	Invoice # 03559.01-49 Professional Services NESPS 06/01 - 06/30/24		19,653.50			19,653.50
Rotor Electric Company of Michigan	Invoice # 12770 P4 VFD Installation 01/31 - 06/12/23				112,077.69	112,077.69
Marra Services	Construction Estimate # 39 NI-EA PCI 4 rehabilitation - \$3,420.42 paid from Retainage	202,893.63				202,893.63
Marra Services	Construction Estimate # 40 NI-EA PCI 4 rehabilitation - \$400,000 paid from retainage	0.00				0.00
Walsh Construction	Construction Estimate # 46 NESPS Pump & Electrical Upgrades Project		833,429.60			833,429.60
Z Contractors	Construction Estimate # 12 NI-EA contract #2A and 2B - PCI 18 and 19			823,656.59		823,656.59
Total Invoices/Reimbursements for Approval		213,135.81	986,872.41	879,135.78	491,578.74	2,570,722.74
* Less WRC Charges already paid from OMI Fund		(2,201.60)	(5,547.78)	0.00		(7,749.38)
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board		210,934.21	981,324.63	879,135.78	491,578.74	2,562,973.36

Agenda Item No. 9

Invoices

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -								6/29/2024	-	7/26/2024
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity	
1131289	7/3/2024	6/24/2024	PUSCAS, JACK J	2.50	\$216.95	REGULAR	WRCADM	PRJ-13309	ENGINEERING	
1131289	7/3/2024	6/17/2024	PUSCAS, JACK J	1.00	\$86.78	REGULAR	WRCADM	PRJ-13309	ENGINEERING	
1131289	7/17/2024	7/8/2024	PUSCAS, JACK J	2.50	\$216.95	REGULAR	WRCADM	PRJ-13309	ENGINEERING	
			PUSCAS, JACK J Total		\$520.68					
1050210	7/23/2024	7/25/2024	POUSHO, ROBERT	9.00	\$532.08	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/23/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/18/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/16/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/15/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/11/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/10/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/9/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/8/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/2/2024	POUSHO, ROBERT	8.00	\$472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION	
			POUSHO, ROBERT Total		\$4,788.72					
			Grand Total		\$5,309.40					

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -								6/29/2024	-	7/26/2024
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity	
1050210	7/9/2024	7/2/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/8/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/9/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/10/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/11/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/15/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/16/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/18/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/23/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/25/2024	POUSHO, ROBERT	9.00	\$3.60	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/2/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/8/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/9/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/10/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/9/2024	7/11/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/15/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/16/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/18/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/23/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
1050210	7/23/2024	7/25/2024	POUSHO, ROBERT	9.00	\$21.06	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION	
			POUSHO, ROBERT Total		\$221.94					
1131289	7/17/2024	7/8/2024	PUSCAS, JACK J	2.50	\$1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING	
1131289	7/3/2024	6/17/2024	PUSCAS, JACK J	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING	
1131289	7/3/2024	6/24/2024	PUSCAS, JACK J	2.50	\$1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING	
1131289	7/17/2024	7/8/2024	PUSCAS, JACK J	2.50	\$5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING	
1131289	7/3/2024	6/17/2024	PUSCAS, JACK J	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING	
1131289	7/3/2024	6/24/2024	PUSCAS, JACK J	2.50	\$5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING	
			PUSCAS, JACK J Total		\$16.44					
			Grand Total		\$238.38					

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -								6/29/2024	-	7/26/2024
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity	
1208707	7/15/2024	7/2/2024	COOK, JENNIFER	1.00	\$107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/15/2024	7/1/2024	COOK, JENNIFER	1.00	\$107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/15/2024	6/26/2024	COOK, JENNIFER	1.00	\$107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/3/2024	6/28/2024	COOK, JENNIFER	4.00	\$429.36	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/3/2024	6/25/2024	COOK, JENNIFER	1.00	\$107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/3/2024	6/24/2024	COOK, JENNIFER	2.00	\$214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/3/2024	6/18/2024	COOK, JENNIFER	1.00	\$107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/3/2024	6/17/2024	COOK, JENNIFER	1.00	\$107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/15/2024	7/10/2024	COOK, JENNIFER	2.00	\$214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/15/2024	7/9/2024	COOK, JENNIFER	4.00	\$429.36	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/15/2024	7/8/2024	COOK, JENNIFER	1.00	\$107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
1208707	7/15/2024	7/3/2024	COOK, JENNIFER	1.00	\$107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING	
			COOK, JENNIFER Total		\$2,146.80					
			Grand Total		\$2,146.80					

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -								6/29/2024	-	7/26/2024
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project		Activity
1208707	7/15/2024	7/3/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/3/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/8/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/8/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/9/2024	COOK, JENNIFER	4.00	\$1.60	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/9/2024	COOK, JENNIFER	4.00	\$9.36	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/10/2024	COOK, JENNIFER	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/10/2024	COOK, JENNIFER	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/17/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/17/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/18/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/18/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/24/2024	COOK, JENNIFER	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/24/2024	COOK, JENNIFER	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/25/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/25/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/28/2024	COOK, JENNIFER	4.00	\$1.60	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/3/2024	6/28/2024	COOK, JENNIFER	4.00	\$9.36	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/15/2024	6/26/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/15/2024	6/26/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/1/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/1/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/2/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	7/15/2024	7/2/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
			COOK, JENNIFER Total		\$54.80					
			Grand Total		\$54.80					



Oakland County Water Resources Commissioner, MI
One Public Works Drive
Waterford, MI 48328-1907
WRClegalinvoices@oakgov.com
lajdziaks@oakgov.com

Invoice: 1456877
Date: 07/10/2024
Client: 30164
Matter: 463149

**84917-6010101-149015-731073-1-3309- LEGAL- Ch. 21 -
CON9318**

Matter Name: Construction Dispute - Walsh Construction

8/7/2024

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH JUNE 30, 2024


Total Fees:	\$	510.00
Total Due This Invoice:	\$	510.00



Oakland County Water Resources Commissioner, MI
 One Public Works Drive
 Waterford, MI 48328-1907
 WRClegalinvoices@oakgov.com
 lajzdiaks@oakgov.com

Invoice: 1456893
 Date: 07/10/2024
 Client: 30164
 Matter: 490169

84917-6010101-149015-731073-2603- 1-3308-LEGAL - Ch. 21 - CON9318

Matter Name: North Interceptor East Arm  8/7/2024

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH JUNE 30, 2024

Total Fees:	\$	5,559.00
Total Due This Invoice:	\$	5,559.00



1235 Holden Ave
 Milford Charter Twp, MI 48381
 (248) 302-2078

Bill To

OMIDD
 One Public Works Drive, Building 95 West
 Waterford, MI 48328 US

Invoice 3610	Jul 16, 2024
Job Number	2334
PO Number	NEXGEN 01247
Payment Terms	AIA 45
Total Due	\$1,338.17
Due Date	Aug 30, 2024

**82912-6010101-149090-730660-8637 - Ch.
 21 - v #15750 - li #44348**

John
 CUSTOMER NAME
 OMIDD

8/7/2024

PROPERTY NAME
 OMIDD - Detroit NESPS- 11001

PROPERTY ADDRESS
 11001 E State Fair Ave
 Detroit, MI 48234

AUTHORIZED BY

CUSTOMER WO
 01247

NTE

Invoice Summary

Scope of Work:

1. Drain Daytank 1 (Diesel Fuel) containment tank.
2. Install drain valves on all three daytanks.
3. Dispose of fuel via an environmentally approved process.

10 hours Labor at \$111.00 = \$1,110.00
 1 Truck Charge = \$95.00
 Macomb invoice \$110.07 at 15% Markup = \$126.58 + \$6.60 tax = \$133.18

Total = \$1,338.18

TM-7-16-24

Item Name	Description	Quantity	Unit Price	Price Subtotal
Labor	Tyler Fields - July 9, 2024 - Labor	5	\$111.00	\$555.00
Labor	Wayne Fields - July 9, 2024 - Labor	5	\$111.00	\$555.00
Material	1 NIBCO TFP600A-LF-LL LEAD FREE BRZ THRD FP BALL VALVE WITH LOCKING LEVER HANDLE	3	\$32.46	\$97.38
Material	1 STD BLK 90 ST ELL	3	\$6.85	\$20.55
Material	1 X 3 STD BLK NIPPLE	3	\$2.88	\$8.64
Sales Tax	Sales Tax	1	\$6.60	\$6.60
Vehicle / Tool Allowance	Vehicle / Tool Allowance	1	\$95.00	\$95.00
		21		\$1,338.17



1235 Holden Ave
 Milford Charter Twp, MI 48381
 (248) 302-2078

Bill To

OMIDD
 One Public Works Drive, Building 95 West
 Waterford, MI 48328 US

Invoice 3696

Aug 1, 2024

Job Number 2359
 PO Number NEXGEN 1205
 Payment Terms AIA 45

**82912-6010101-149090-730660-8637 - Ch.
 21 - v #15750 - li #44348**

Total Due

\$2,666.50

Due Date

Sep 15, 2024

Joel An

8/7/2024

CUSTOMER NAME
 OMIDD

PROPERTY NAME
 OMIDD - Detroit NESPS- 11001

PROPERTY ADDRESS
 11001 E State Fair Ave
 Detroit, MI 48234

AUTHORIZED BY

CUSTOMER WO
 1205

NTE
 \$3,000.00

Invoice Summary

Perform Annual Calibration of four(4) MSA Gas Detection Panels.

3 Hours Labor - Project manager oversight - \$333.00
 1 Vehicle Charge - \$95.00
 Subcontract work from MSA Safety - \$2,035 +10%MU(203.50) = \$2,238.50
 Total = \$2,666.50

Item Name	Description	Quantity	Unit Price	Price Subtotal
Labor	Mark Kowalski - July 30, 2024 - Labor	3	\$111.00	\$333.00
Vehicle / Tool Allowance	Vehicle / Tool Allowance	1	\$95.00	\$95.00
Subcontract	Subcontract	1	\$2,238.50	\$2,238.50
		5		\$2,666.50

Subtotal	\$2,666.50
Taxable Subtotal	\$0.00
Sales Tax Rate	0%
Tax Amount	\$0.00
Total	\$2,666.50

TM-8-1-24



30836 W 8 Mile
Farmington Hills MI 48336

82912-6010101-149667-149130-730660

Joel Brown

8/7/2024

Invoice #111824-01

6/4/24.

TO: Oakland County WRC Sewer

ATTN: Joel Brown

OMID MH Bypass Modifications

DESCRIPTION OF WORK COMPLETED	Qty.	Unit	Hrs.	Rate	Total Per Line
3/2.					
Mobilize Excavator	1	EA	-	\$ 425.00	\$ 425.00
Excavator & Operator	1	HR	8	\$ 155.00	\$ 1,240.00
Service Truck	3	HR	8	\$ 35.00	\$ 840.00
Labor, Regular Time	5	HR	8	\$ 48.00	\$ 1,920.00
Dump Truck	1	HR	8	\$ 80.00	\$ 640.00
Power Saw	1	EA	-	\$ 100.00	\$ 100.00
Generator	1	HR	4	\$ 23.00	\$ 92.00
					\$ 5,257.00
3/3.					
Excavator & Operator	1	HR	8	\$ 155.00	\$ 1,240.00
Service Truck	2	HR	8	\$ 35.00	\$ 560.00
Labor, Regular Time	5	HR	8	\$ 48.00	\$ 1,920.00
Dump Truck	1	HR	8	\$ 80.00	\$ 640.00
Power Saw	1	EA	-	\$ 100.00	\$ 100.00
Generator	1	HR	4	\$ 23.00	\$ 92.00
					\$ 4,552.00
3/18.					
Mobilize & Demobilize Excavator	2	EA	-	\$ 425.00	\$ 850.00
Excavator & Operator	1	HR	8	\$ 155.00	\$ 1,240.00
Service Truck	2	HR	8	\$ 35.00	\$ 560.00
Labor, Regular Time	4	HR	8	\$ 48.00	\$ 1,536.00
Dump Truck	1	HR	8	\$ 80.00	\$ 640.00
Power Saw	1	EA	-	\$ 100.00	\$ 100.00
Generator	1	HR	4	\$ 23.00	\$ 92.00
Traffic Control	1	EA	1	\$ 750.00	\$ 750.00
					\$ 5,768.00
10/15.					
Mobilize & Demobilize Skid	2	EA	-	\$ 425.00	\$ 850.00
Skid & Operator	1	HR	5	\$ 155.00	\$ 775.00
Service Truck	2	HR	5	\$ 35.00	\$ 350.00
Labor, Regular Time	4	HR	5	\$ 48.00	\$ 960.00
Power Saw	1	EA	-	\$ 100.00	\$ 100.00
Generator	1	HR	3	\$ 23.00	\$ 69.00
					\$ 3,104.00

12/21.

Mobilize & Demobilize Excavator	2	EA	-	\$ 425.00	\$ 850.00
Excavator & Operator	1	HR	3	\$ 155.00	\$ 465.00
Service Truck	2	HR	3	\$ 35.00	\$ 210.00
Labor, Regular Time	4	HR	3	\$ 48.00	\$ 576.00
Dump Truck	1	HR	3	\$ 80.00	\$ 240.00
Power Saw	1	EA	-	\$ 100.00	\$ 100.00
					\$ 2,441.00
Materials					
Carlesimo Products	1	LSx15%	-	\$ 6,155.54	\$ 7,078.87
Carlesimo Products	1	LSx15%	-	\$ 2,019.30	\$ 2,322.20
East Jordan 36" Frame & Cover	1	LSx15%	-	\$ 1,659.21	\$ 1,908.09
					\$ 4,230.29
Total					\$ 25,352.29



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

INVOICE		
DATE	NUMBER	PAGE
6/5/2024	642228	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

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

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

ATTENTION:

TERRY MOORE 313-8297207 TMOORE@METCOSERVICES.COM

Joel Moore

8/8/2024

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
01161	0123785	#4 NORTHEAST PUMPING STATION, FIELD SERVICE, WATER	SAH/NFW	FIELD SERVICE	NET 60
QUANTITY		DESCRIPTION	UNIT PRICE	EXTENDED	
B/O	Ship				

0.00	1.00	OMID, NORTH EAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (3) FIELD SERVICE TECHNICIAN(S) ONSITE ON 05/06/2024 - 05/09/2024	\$65,416.65	\$65,416.65
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PLEASE SEE THE ATTACHED SERVICE REPORT.

TOTAL REFLECTS THE BELOW:

(144.75) HOURS OF LABOR, MILEAGE AND FUEL SURCHARGE

PARTS USED ONSITE: \$41,314.90

- (4) ADAPTER SLEEVE WITH NUT AND WASHER
- (4) SPHERICAL ROLLER BEARING
- (2) SPLIT FACE SEAL
- (2) CHAIN FALL KIT
- FREIGHT AND PART RENTAL

TM-7-8-24

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

<p>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</p> <p>*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</p>	SUBTOTAL:	\$65,416.65
	TAX:	\$0.00
	TOTAL:	\$65,416.65

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

www.KennedyInd.com



KENNEDY INDUSTRIES

INNOVATE
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MONITOR
REPAIR

NO 1203

INVOICE		
DATE	NUMBER	PAGE
6/28/2024	642520	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

Joel Moore

8/8/2024

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, MONTHLY, PREVENTATIVE MAINTENANCE	SAH/PM	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 (1) FIELD SERVICE TECHNICIAN ONSITE ON 05/28/24. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$1,607.70	\$1,607.70
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TOTAL REFLECTS THE BELOW:

(5.5) HOURS OF LABOR, MILEAGE AND FUEL SURCHARGE

PARTS USED ONSITE: \$689.20
ROYAL PURPLE GREASE QTY 40

TM-7-8-24

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

<p>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</p> <p>*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</p>	SUBTOTAL:	\$ 1,607.70
	TAX:	\$ 0.00
	TOTAL:	\$ 1,607.70

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

www.KennedyInd.com



16142 Collection Center Drive
 Chicago, IL 60693-0002
 (877) 759-4365

Oakland-Macomb Interceptor Drain
 Drainage District (OMIDD)
 Building 95 West, One Public Works Dr
 Waterford, MI 48328

84917-149015-730940-8196-1-3309-
Ch. 21- v#683 Exp 6/1/26

Joel An 8/8/2024

OCIP Administration Services Fee Policy Number OCIPADMINFEE Effective **7/1/2024** to 7/1/2025

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
768844	7/1/2024	8/25/2024	RENEW	24-25 OMIDD NESPS NIEA OCIP Administrative Services Fee	\$125,000.00

Total Invoice Balance: \$125,000.00

Payment due upon receipt.

Invoice # 14646	Page 1 of 1
Account Number	Date
OAKLINT-01	7/25/2024
BALANCE DUE ON	
8/25/2024	
AMOUNT PAID	Amount Due
	\$125,000.00

Payment Methods:

ACH/Wire Information

Bank of America
 Acct Name: Meadowbrook Inc.
 Acct Number: 5401978514
 ACH: Acct ABA #: 071000039
 Wire: Acct ABA #: 026009593

Mail and Make Checks Payable to:

Meadowbrook Insurance Agency
 16142 Collection Center Drive
 Chicago, IL 60693-0002



INVOICE NO. 1811-67

DATE: August 5, 2024

METCO PROJECT NO. 1811

INVOICE PERIOD: 07/01 thru 08/04/24

Contract ID 000000000000000000005517

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)

Handwritten signature: Joel Brown

8/8/2024

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: \$ 18,942.00

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

Handwritten signature: Joel Brown

8/8/2024

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 \$ 15,971.42

Subtotal Operations \$ 34,913.42

Maintenance & Asset Management

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

8/8/2024

Handwritten signature: Joel Brown

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Terry Moore, Daniel Martel, Shailesh Patel, Anthony Vozza, Darrin Green, Sweta Soni, Youstina Gaid. Subtotal OMID Maintenance: \$ 6,804.00

Jed Am

8/8/2024

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 225.75	\$ 1,806.00
Terry Moore	Operations Manager	42.0	\$ 162.00	\$ 6,804.00
Terry Moore	Operations Manager (Overti	0.0	\$ 204.75	\$ -
Daniel Martel	Sr. Project Coordinator	0.0	\$ 152.25	\$ -
Sean Grant	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Travis Ford	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Shailesh Patel	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Darrin Green	Staff Engineer	75.0	\$ 102.00	\$ 7,650.00
Darrin Green	Staff Engineer-(Overtime)	9.0	\$ 153.00	\$ 1,377.00
Anthony Vozza	Staff Engineer	84.0	\$ 102.00	\$ 8,568.00
Anthony Vozza	Staff Engineer-(Overtime)	6.0	\$ 153.00	\$ 918.00
Abhishek Shah	Staff Engineer	0.0	\$ 102.00	\$ -
Sweta Soni	Designer/Drafter	0.0	\$ 101.00	\$ -
Keli Mills	Administrative Assoc.	0.0	\$ 77.48	\$ -
Subtotal:				\$ 27,123.00
Maintenance Services (see attached invoices):				\$ 10,231.97
Subtotal NEPS Maintenance:				\$ 37,354.97

Subtotal Maintenance: \$ 44,158.97

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

Jed Am

8/8/2024

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 225.75	\$ -
Terry Moore	Operations Manager	0.0	\$ 162.00	\$ -
Terry Moore	Operations Manager (Overti	0.0	\$ 204.75	\$ -
Sean Grant	Sr. Project Engineer	19.0	\$ 152.25	\$ 2,892.75
Darrin Green	Staff Engineer	0.0	\$ 102.00	\$ -
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 153.00	\$ -
Anthony Vozza	Staff Engineer	0.0	\$ 102.00	\$ -
Abhishek Shah	Staff Engineer	152.0	\$ 102.00	\$ 15,504.00
Brandon Brochue	Designer/Drafter	0.0	\$ 101.00	\$ -
Subtotal Maintenance:				\$ 18,396.75

Task 12.0 - As-Needed Services - VFD Pump 4

Raj Vijayendran, PE	Principal Engineer	0.0	\$ 225.75	\$ -
Daniel Martel	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Travis Ford	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Shailesh Patel, PE	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Sweta Soni	Designer/Drafter	0.0	\$ 101.00	\$ -
Subtotal 12.0:				\$ -

TOTAL AMOUNT DUE THIS INVOICE: \$ 97,469.14



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

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
924567	0	001	3/25/2024	4/11/2024	95649

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&M SERVICES 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 3/25/2024

WO#1175

8/8/2024

T&M-4-22-24

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."



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

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
924567	0	001	7/15/2024	7/30/2024	95825

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&M SERVICES 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 SUPPORT

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149090-730660-8419- CH. 21- v#7755-li#41132

WORK PERFORMED 7/15/2024

Joel Brown

8/8/2024

TM-8-1-24

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."



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9440 GRINNELL
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

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
924567	0	001	7/16/2024	7/30/2024	95826

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&M SERVICES SCADA	\$495.00	-	\$495.00	\$495.00	-	-
Totals:		\$495.00		\$495.00	\$495.00		
Less Retained:				-			
Invoice Total:				\$495.00			

AS NEEDED ELECTRICAL AND ENGINEERING SUPPORT

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 7/16/24

82912-6010101-149090-730660-8419- CH. 21- v#7755-li#41132

Joel Brown

8/8/2024

TM-8-1-24

complete electrical construction

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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

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
924567	0	001	7/19/2024	7/30/2024	95827

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&M SERVICES 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 SUPPORT

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149090-730660-8419- CH. 21- v#7755-li#41132

WORK PERFORMED 7/19/2024

Joel Brown

8/8/2024

8-1-24

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."



**849174-6010101-149015-731458-8173-1-3309-Ch. 21- v#4716-
li#24138**

Joel Brown

8/8/2024

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

Invoice #: 636549
Project: 61-200280
Invoice Group: CMT
Invoice Date: 7/26/2024

Attention: Joel Brown, P.E.

For Professional Services Rendered from **6/22/2024 - 7/19/2024**

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	Tnemec Coating Observation	-
	Preliminary Budget Amount	\$189,674.00
	Percent Complete:	91.68%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 686.55	\$ 44,334.97
Overhead %	188.00 1,290.71	83,349.73
Total Regular Labor Expense	1,977.26	127,684.69
Total Direct Labor	1,977.26	127,684.69
Profit / Fixed Fee %	12.00 237.27	15,322.17
Direct Expenses Charge	492.38	24,066.14
Expense Multiplier %	5.00 24.62	1,203.31
Direct Subcontractor Charge	0.00	5,302.50
Subcontractor/Subconsultant Multiplier %	6.00 0.00	318.15
Direct Unit Rate Charge 0.00	0.00
Total Other Direct Charges Reimbursables	517.00	30,890.10
Total Costs:	2,731.53	173,896.96
Total Due This Invoice	\$ 2,731.53	\$ 173,896.96

**81917-6010101-149015-730639-2603-1-3308-Ch. 21- v#4716-
li#24138 - exp 12/31/25**

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



8/8/2024

Invoice # : 636550
Project : 61-200186
Invoice Group : **
Invoice Date : 7/26/2024

Attention: Joel Brown, P.E.

For Professional Services Rendered from 6/22/2024 - 7/19/2024

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	\$2,939,467.00
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	<u>\$3,156,935.00</u>
	Percent Complete:	99.86%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 769.34	\$ 751,967.28
Overhead %	188.00	1,446.36	1,413,698.51
Total Regular Labor Expense		<u>2,215.70</u>	<u>2,165,665.79</u>
Total Direct Labor		2,215.70	2,165,665.79
Profit / Fixed Fee %	12.00	265.88	259,879.89
Direct Expenses Charge		0.00	70,086.70
Expense Multiplier %	5.00	0.00	3,504.34
Direct Subcontractor Charge		0.00	616,515.82
Subcontractor/Subconsultant Multiplier %	6.00	0.00	36,991.04
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		<u>0.00</u>	<u>727,097.90</u>
Total Costs:		<u>2,481.58</u>	<u>3,152,643.58</u>
Total Due This Invoice		<u>\$ 2,481.58</u>	<u>\$ 3,152,643.58</u>



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

**84918-149015-730639-PRJ-17408-1-ENG_CONSULT-
 WDCCON8173**

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

Joel Ann

8/8/2024

Invoice #: 636551
 Project: 23001693
 Invoice Group: **
 Invoice Date: 7/26/2024

Attention: Jen Cook, P.E.

For Professional Services Rendered from 6/22/2024 - 7/19/2024

Provide Engineering and Consulting Services regarding OMID 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: 46.86%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 16,199.18	\$ 165,030.36
Overhead %	188.00 30,454.46 310,257.07
Total Regular Labor Expense	46,653.64	475,287.43
Total Direct Labor	46,653.64	475,287.43
Profit / Fixed Fee %	12.00 5,598.44	57,034.50
Direct Expenses Charge	1,523.76	32,011.66
Expense Multiplier %	5.00 76.18	1,600.55
Direct Subcontractor Charge	1,535.07	309,085.17
Subcontractor/Subconsultant Multiplier %	6.00 92.10	18,545.13
Total Other Direct Charges Reimbursables	3,227.11	361,242.51
Total Costs:	55,479.19	893,564.44
Total Due This Invoice	\$ 55,479.19	\$ 893,564.44



PM Technologies
28294 Beck Road Wixom
Michigan 48393 United States
800-419-5199
pmtech.org

BILL TO

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

8/8/2024

82912-6010101-149090-730660-8640- Ch. 21

INVOICE 86174785	INVOICE DATE Apr 15, 2024
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JOB ADDRESS

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

Completed Date: 4/15/2024

Payment Term: NET 30

Due Date: 5/15/2024

DESCRIPTION OF WORK

1-8-24 Matt C

Traveled to Connor Station and Freud to gather information required to complete MSLC/DSLCL replacement.

1-15-24 Matt C

Upon arrival to perform testing prior to upgrade it was found that fuel in lines has gelled due to cold Temps and non-operational heat trace.

Installed new heat trace on fuel lines.

Will need to return tomorrow to test units operation.

Units left in auto.

1-22-24 Matt C

Utility breaker tripping during peak shave test.

Appears to be possible PLC issue

Need to coordinate with PCI and Rotor to diagnose.

TM-4-22-24

02-21-24 Matt C

Coordinated with PCI and Rotor electric to perform generator/switchgear testing.

All testing performed successfully and signed off on.

03-04-24 Matt C

Day 1

Locked out switchgear and generators

Removed existing DSLC for generator 1

Mounted DSLC-2 upgrade to rear panel of switchgear

Ran Ethernet cable from DSLC-2 to Ethernet switch in MSLC cabinet

Sorted out existing wiring for DSLC

Began wiring terminations for DSLC-2

03-05-24 Matt C

Finished wiring DSLC for generator 1
Removed old DSLC from unit 2
Mounted DSLC-2 in rear of switchgear cabinet
sorted out DSLC-2 wiring
Began wiring terminations for DSLC-2

03-06-24 Matt C

Day 3

Finished wiring for DSLC for Gen 2
Removed old DSLC from Gen 3 cabinet
Mounted and wired in new DSLC-2
Powered up ethernet switch and landed all ethernet cables to test functionality.

03-07-24 Matt C

Powered down MSLC cabinet.
Removed wiring and existing MSLC from cabinet
Sorted out wiring in cabinet.
Mounted MSLC-2 in cabinet.

03-08-24 Matt C

Wired in new MSLC-2
Powered up DSLC-2 cabinets 1 at a time and verified they were communicating with ethernet switch individually.
Powered up MSLC-2 and verified communications
Powered up all DSLC-2S AND MSLC-2 simultaneously and verified communications.
All modules are communicating.
Will begin programming Monday morning.

03-11-24 Matt C

Installed application files and sid files on DSLC's
Began programming setpoint on DSLC's

03-12-24 Matt C

Finished programming on DSLC'S
Programmed MSLC-2
Performed no load test successfully.
Tweaked programming to provide smoother operation

03-14-23 Matt C

Fine tuned load synchronizers for best performance and operation

03-29-24 Matt C

Spent time troubleshooting the MSLC/TIE BREAKER ISSUE.

04-01-24 Matt C

Arrived on site and spoke with contact(tony)
Gained access to gens and switchgear.
Began troubleshooting MSLC/TIE BREAKER issues.
Found LBCR relay contact inverse operation of MSLC.
Corrected relay contacts to NORMALLY OPEN.
Performed PEAK SHAVE test.
Test performed with no issues.
System left in auto mode.
Will need to return to perform testing with ROTOR and PCI.

04-10-24 Matt C

Arrived on site and spoke with contact(tony)
 Performed testing with rotor, dte, and other collaborating company's.
 testing performed with expected results.

TASK	DESCRIPTION	QTY	PRICE	TOTAL
Commerical Labor	Commercial Labor - Normal Business Hours (7:30 AM - 4:30 PM)	113.00	\$129.00	\$14,577.00

Materials

MATERIAL	DESCRIPTION	QUANTITY	YOUR PRICE	YOUR TOTAL
108TX	108TX UNMANAGED INDUSTRIAL ETHERNET SWITCH	1.00	\$234.60	\$234.60

SUB-TOTAL \$14,811.60
TOTAL DUE \$14,811.60
BALANCE DUE \$14,811.60

Thank you for choosing PM Technologies



28294 Beck Road Wixom
Michigan 48393 United States
800-419-5199
pmttech.org

BILL TO

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

82912-6010101-149663-149090-730660

John A...

8/8/2024

INVOICE 92529020	INVOICE DATE 7/3/2024
----------------------------	---------------------------------

JOB ADDRESS

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

Completed Date 7/3/2024

Customer PO #

Payment Term NET 30

Due Date 8/2/2024

DESCRIPTION OF WORK

WO #01223

06-10-24 Matt C ✓

Arrived on site and spoke with contact(darren), once all parties involved with hookup were onsite hookup location was identified and layout was decided. Waited for Harleys to Arrived onsite and had transformers and 2 Meg generators dropped on location. Verified with rotor electric cables would be long enough to reach buss.

Ran all 480 Vac cables from generators to transformers along with ground cables to tie system together.

Will need to return at 7 Am to assist rotor with setup along with first startup and testing of system.

Customer informed of work completed.

06-11-24 Matt C ✓

Arrived on site and checked in with customers.

Coordinated with rotor to check phase rotation. Verified both gens Clockwise rotation, after rotation was verified rotor electric landed MV cables from transformers to switchgear. Started system and paralleled units to dead bus, verified clockwise rotation on bus to match utility. Upon verification of phase rotation and proper voltage(4160) rotor racked out utility sources and closed Gen tie to bus, started and ran pump 1 along with pump 6, after 15 min of runtime generator one faulted out on low oil pressure and lost all engine readings. Readings were coming in and out on display causing intermittent Gen shutdown, met with CAT tech on site, after cat tech arrived to site engine readings began functioning as normal with no obvious cause of problem, unit was able to run up to temperature as normal and maintain comms with ecm. Will verify unit operation again tomorrow AM. If unit acts up again we will need another unit towed to site to avoid unreliability issues.

Customer informed of findings and unit current status.

06-12-24 Matt C ✓

Arrived on site and spoke with customer contact(tony)

Energized controls on both rental gens. All engine readings are displaying as normal, ran both units for an hour and performed multiple starts to verify operation, both units ran as normal without any shutdowns, informed customer both units are operational at this time. We will need to schedule testing to be performed once again tomorrow at 2:00 with rotor electric.

TASK	DESCRIPTION	QTY	PRICE	TOTAL
------	-------------	-----	-------	-------

2 Meg Monthly Rental of 2 Megawatt Generator at a monthly rate	2.00	\$39,000.00	\$78,000.00
Vendor rental Rental Transformer (monthly)	2.00	\$31,920.00	\$63,840.00
Commerical Labor To connect Generators and parallel them.	1.00	\$8,200.00	\$8,200.00
Commercial Labor - Normal Business Hours (7:30 AM - 4:30 PM)			

MATERIAL	DESCRIPTION	QUANTITY	PRICE	TOTAL
Delivery	Rental Equipment Transport - refund of actual transport costs that have now been updated.	1.00	\$-2,750.00	\$-2,750.00
Delivery	Rental Equipment Transport Return of rental equipment	6.00	\$2,000.00	\$12,000.00
	** ACTUAL COST WILL BE INVOICED**			
DIESEL FUEL, OFF ROAD	Diesel Fuel	1502.00	\$7.00	\$10,514.00

TM-8-5-24

SUB-TOTAL	\$169,804.00
TOTAL DUE	\$169,804.00
PAYMENT	\$0.00
BALANCE DUE	\$169,804.00

Thank you for choosing PM Technologies



Oakland County Water Resources Commissioner
Attn: Joel Brown
One Public Works Drive
Building 95-West
Waterford 48328

July 16, 2024

Invoice No: 03559.01 - 49

**84917-6010101-149015-731458-8858-1-3309- Ch.
21- engcon- v#16918**

8/8/2024

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from June 1, 2024 to June 30, 2024

Task	1.0	Oakland-Macomb Interceptor Drainage 2020
Sub Task	1.1	NESPS

Professional Personnel

	Hours	Rate	Amount
Zann, John	50.00	113.85	5,692.50
Totals	50.00		5,692.50
Total Labor			5,692.50

Additional Fees

Overhead	149.10 % of 5,692.50	8,487.52
Profit	10.00 % of 14,180.02	1,418.00
Total Additional Fees		9,905.52

Total this Sub Task \$15,598.02

Sub Task 1.3 NI-EA Contract No. 2

Professional Personnel

	Hours	Rate	Amount
Zann, John	13.00	113.85	1,480.05
Totals	13.00		1,480.05
Total Labor			1,480.05

Additional Fees

Overhead	149.10 % of 1,480.05	2,206.75
Profit	10.00 % of 3,686.80	368.68
Total Additional Fees		2,575.43

Total this Sub Task \$4,055.48

Total this Task \$19,653.50

Billing Limits

	Current	Prior	To-Date
Total Billings	19,653.50	667,468.21	687,121.71
Limit			880,000.00
Remaining			192,878.29

Total this Invoice \$19,653.50

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



Rotor Electric Company of Michigan, LLC.

9522 GRINNELL
DETROIT, MI 48213-1151
PHONE (313) 691-0331 FAX (313) 921-5310
"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	1/31/2024	7/19/2024	12770

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$112,077.69	-	\$112,077.69	\$112,077.69	-	-
Totals:		\$112,077.69		\$112,077.69	\$112,077.69		
Less Retained:				-			
Invoice Total:				\$112,077.69			

PUMP P4 VFD INSTALLATION

PROGRESSIVE INVOICE #2

LABOR AND MATERIALS COSTS THROUGH 6/12/24

WO 1170

82912-6010101-149667-730660

8/8/2024

TM 8-5-24

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."

Agenda Item No. 10

Other Business

Agenda Item No. 11

Adjourn