

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

January 17, 2024 – 11:30 a.m.

Office of the Oakland County Water Resources Commissioner
One Public Works, Building 95 West
Waterford, 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 January 17, 2024
3. Motion to approve the Drainage District Board Meeting Minutes from December 20, 2023
4. Public Comment
5. Meadowbrook Operation Insurance Renewal Proposal
6. Motion to approve the following Change Order:
 - a) Walsh Construction Change Order No. 39 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$586,306.52
7. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 39 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$97,308.81 with a transfer to the Oakland County Treasurer in the amount of \$19,184.01
 - b) Construction Estimate No. 34 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$164,805.85
 - c) Construction Estimate No. 5 for Z Contractors for NI-EA Contracts 2A and 2B – PCI 18 and 19 Rehabilitation in the amount of \$26,280.00 with a transfer to the Oakland County Treasurer in the amount of \$2,919.99
8. Status of OMID Repairs Project
9. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
10. Motion to approve the following invoices:
 - 1) Labor/Fringes/Non-Direct Labor Factor
 - Segment 5 NI-EA Construction \$ 6,093.87

• Segment 5 NESPS Mech./Elect. Construction		\$	12,972.16
2) Equipment Charges			
• Segment 5 NI-EA Construction		\$	166.15
• Segment 5 NESPS Mech./Elect. Construction		\$	415.70
3) Reimbursement			
• Macomb Invoice No. ARP23-O&M.2		\$	58,286.88
a) ASI			
Invoice No. 58	NESPS	\$	57,293.88
	O&M	\$	4,818.93
b) Anderson, Eckstein, & Westrick Inc			
1) Invoice No. 147744	O&M	\$	1,788.40
2) Invoice No. 147844	O&M	\$	842.60
c) CSM			
1) Invoice No. 2433	O&M	\$	2,442.90
2) Invoice No. 2435	O&M	\$	3,147.00
d) Jacobs			
Invoice No. C6A19900-12	O&M	\$	5,343.02
e) Kennedy			
Invoice No. 639697	O&M	\$	1,429.50
f) Metco			
Invoice No. 1811-60	O&M	\$	64,375.20
g) Nexgen			
Invoice No. 4124		\$	80,475.00
h) NTH Consultants, Ltd			
1) Eng/Consult. NESPS Pumping and Electrical			
Invoice No. 634794	NESPS	\$	363.43
2) Consulting Services 2021 OMID System Inspection			
Invoice No. 634795	O&M	\$	462.65
3) OMID Rehab. 2021 Closeout Services			
Invoice No. 634811	O&M	\$	4,627.04
4) Contract No. 1 PCI-4 Rehabilitation			
Invoice No. 634812	NI-EA	\$	70,848.79
5) Engineering/Consulting Services PCI-18 and PCI-19 Rehabilitation			
Invoice No. 634815	NI-EA	\$	90,803.52
i) PM Technologies			
1) Invoice No. 85506232	O&M	\$	350.00
2) Invoice No. 85510825	O&M	\$	350.00
3) Invoice No. 85513225	O&M	\$	350.00
j) Rotor Electric			
1) Invoice No. 12717	O&M	\$	2,664.75
2) Invoice No. 12718	O&M	\$	1,519.50
3) Invoice No. 12719	O&M	\$	3,627.25

11. Other Business

12. Adjourn

Next Regular Meeting: February 21, 2024 at 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from December 20, 2023

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

December 20, 2023

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held at the Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township Michigan on the 20th day of December 2023 at 11:30 a.m. Eastern Standard Time and via Microsoft Teams.

PRESENT:

Michael Gregg, Chairperson and Deputy for Dr. Tim Boring, Director of the Michigan Department of Agriculture and Rural Development; Brian Baker for 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: Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Anne Vaara, Steve Korth, Brian Coburn, Evans Bantios, Jen Cook, Raphael Chirolla, Meg Koss and Stephanie Lajdziak. Others in attendance: Terry Moore, Metco; Shawn Phelps, OC Fiscal Services; Larry Gilbert, NTH Consultants; Bill Diamond, Macomb County Department of Public Works; Patrick Kennedy, Meadowbrook Insurance.

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:41 a.m.

2. Agenda.

Motion by Baker, supported by Nash, to approve the December 20, 2023, agenda as presented.

ADOPTED: Yeas - 3
 Nays - 0

3. Minutes.

Motion by Baker, supported by Nash, to approve the minutes of the November 13, 2023, meeting.

ADOPTED: Yeas - 3
 Nays - 0

4. Public Comment.

None.

5. Contract Extension for Meadowbrook Insurance Agency for the NESPS and NI-EA Projects

Stephen Downing presented a memorandum detailing the need for a contract extension with Meadowbrook Insurance for coverage on the NESPS and NI-EA projects. Due to various project delays, an extension of coverage to July 1, 2025, and an increase of \$336,055.38 in

insurance premium is necessary. It was noted that the additional premium amount is considered a fair price for the current market.

Motion by Baker, supported by Nash, to extend the OCIP coverage from January 1, 2024 to July 1, 2025 with an increased cost of \$336,055.38.

ADOPTED: Yeas - 3
Nays - 0

6. Wet Well Bar Screen Maintenance Procedure

Larry Gilbert provided the Board with extensive background on the wet well bar screens at the NESP Wet Well facility and detailed the current cleaning process. He noted that due to the development of products listed as “disposable”, the bar screen cleaning apparatus that was put into place in the 1970s does not filter these products adequately. Currently, staff must manually clean the bar screen on a regulated schedule. Although proper safety protocols are followed, manual cleaning of the bar screen is hazardous and time consuming. Mr. Gilbert offered extensive knowledge of the current equipment available to complete the bar screen cleaning that is less hazardous to staff. A bar screen cleaning demonstration proposal was submitted by NLB Corporation that detailed the cost at \$26,192.93. Discussion ensued as to the benefits of the demonstration and the ability to rent the equipment instead of buying.

Motion by Nash, supported by Baker, to approve the Proposal for the Wet Well Bar Screen Cleaning Concept “Proof of Principal” as prepared by NLB Corporation and to accept the estimated costs of \$26,192.93 as presented.

ADOPTED: Yeas - 3
Nays - 0

7. Engineering Work Orders.

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

a) METCO Services, Inc for additional services for operation, maintenance, and management of Northeast Sewage Pumping Station and OMID System to increase the Engineering Services Agreement by a not-to-exceed amount of \$1,679,443.96. Motion by Nash, supported by Baker, to approve the Engineering Work Order as presented.

ADOPTED: Yeas - 3
Nays - 0

b) Jacobs Consultants Inc. for additional tasks and corrections to original fee proposal related to the OMID Odor and Corrosion Control System Project to increase the Engineering Services Agreement by a not-to-exceed amount of \$90,829. Motion by Baker, supported by Nash, to approve the Engineering Work Order as presented.

ADOPTED: Yeas - 3
Nays - 0

8. Change Order.

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

- a) Walsh Construction Change Order No. 39 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$383,680.17. Motion by Baker, supported by Nash, to approve the Change Order 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. 38 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$188,922.61 with a transfer to the Oakland County Treasurer in the amount of \$1,462.23. Motion by Nash, supported by Baker, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Construction Estimate No. 33 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$252,500. Motion by Nash, supported by Baker, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
Nays - 0

- c) Construction Estimate No. 4 for Z Contractors for NI-EA Contracts 2A and 2B – PCI 18 and 19 Rehabilitation in the amount of \$794,951.51 with a transfer to the Oakland County Treasurer in the amount of \$88,327.95. Motion by Baker, supported by Nash, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
Nays - 0

10. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS and NI-EA.

Stephen Downing presented the Project Progress Update to the Board and summarized the status of various projects.

Motion by Baker, supported by Nash, to receive and file the report and summary.

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 Baker, to receive and file the financial reports.

ADOPTED: Yeas - 3
Nays - 0

12. Invoices.

The following invoices were submitted to the Board for approval:

1) Labor/Fringes/Non-Direct Labor Factor			
• Segment 5 NI-EA Construction		\$	5,089.49
• Segment 5 NESPS Mech./Elect. Construction		\$	5,501.72
2) Equipment Charges			
• Segment 5 NI-EA Construction		\$	142.37
• Segment 5 NESPS Mech./Elect. Construction		\$	224.94
3) Mileage			
• Segment 5 NESPS Mech./Elect. Construction		\$	38.91
a) ASI			
Invoice No.	NESPS	\$	59,918.21
	O&M	\$	8,062.87
b) Clark Hill			
1) Invoice No. 1371149	NESPS	\$	3,595.50
2) Invoice No. 1380412	NESPS	\$	1,224.00
3) Invoice No. 1380507	NESPS	\$	162.00
c) Jacobs			
Invoice No. C6A19900-11	O&M	\$	42,151.29
d) Kennedy			
Invoice No. 639206	O&M	\$	1,648.50
e) Lardner Elevator			
1) Invoice No. 199339	O&M	\$	2,318.00
2) Invoice No. 199361	O&M	\$	10,964.00
f) Metco			
Invoice No. 1811-59	O&M	\$	82,207.34
g) Motor City			
1) Invoice No. 95463	O&M	\$	180.00
2) Invoice No. 95464	O&M	\$	90.00
3) Invoice No. 96465	O&M	\$	126.00
4) Invoice No. 95466	O&M	\$	675.00
5) Invoice No. 95467	O&M	\$	135.00
6) Invoice No. 95468	O&M	\$	360.00
7) Invoice No. 95470	O&M	\$	427.50
h) NTH Consultants, Ltd			
1) NESPS Maintenance Engineering Services			
Invoice No. 634509	O&M	\$	1,659.24
2) OMID Rehab. 2021 Closeout Services			
Invoice No. 634510	O&M	\$	778.10
3) Eng/Consult. NESPS Pumping and Electrical			
Invoice No. 634511	NESPS	\$	4,161.80
4) Engineering/Consulting Services PCI-18 and PCI-19 Rehabilitation			
Invoice No. 634512	NI-EA	\$	67,543.54
5) Contract No. 1 PCI-4 Rehabilitation			
Invoice No. 634513	NI-EA	\$	60,102.34
i) PM Technologies			
1) Invoice No. 84825412	O&M	\$	350.00

2) Invoice No. 84827602	O&M	\$	350.00
3) Invoice No. 84828599	O&M	\$	350.00
j) PMA Consultants			
1) Invoice No. 03559.01-41	NI-EA	\$	22,304.41
2) Invoice No. 03559.01-42	NI-EA	\$	21,098.77

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

ADOPTED: Yeas - 3
Nays - 0

13. Other Business.
None.

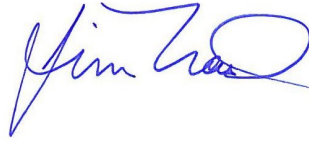
14. Adjourn.
Motion by Nash, supported by Baker, to adjourn the December 20, 2023, meeting at 1:19 p.m.

ADOPTED: Yeas - 3
Nays - 0

Next Regular Meeting: *Office of the Oakland County Water Resources Commissioner, One Public Works Drive, Building 95 West, Waterford, Michigan* and electronically at 11:30 a.m., Eastern Standard Time on January 17, 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 December 20, 2023, and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes were kept and will be or have been made available to the public as required by the Act.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this 20th day of December 2023.



Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Meadowbrook Insurance Renewal



Oakland-Macomb Interceptor Drain Drainage District

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

Proposal for Property, Public Entity Liability, and Pollution Insurance

01/25/2024

to

01/25/2025

(as of 1/5/2024)

Sal Saputo, Executive Vice President
 **MEADOWBROOK**
INSURANCE AGENCY.
www.meadowbrookagency.com

OMIDD 24-25 Insurance Premium Summary

POLICIES	EXPIRING PROGRAM 2023-2024	PROPOSED PROGRAM 2024-2025
Property	\$418,058 ACE / Chubb TIV: \$684,769,955 Limit: \$150M Deductible: \$3M	\$447,135 ACE / Chubb TIV: \$694,356,734 Limit: \$175M Deductible: \$3M
Public Entity Liability	\$248,152 Lexington / AIG Limit: \$1M/\$2M SIR: \$250k	\$225,051 Liberty Mutual Limit: \$1M/\$2M SIR: \$250k
Excess Liability \$10M xs \$1M	\$131,378 Homesite Ins. Co. Limit: \$10M/\$10M	\$19,814 Liberty Mutual Limit: \$10M/\$10M
Excess Liability \$10M xs \$10M	\$46,175 Merchants National Limit: \$10M/\$10M	\$74,153 Merchants National Limit: \$10M/\$10M
Excess Liability \$5M xs \$20M	n/a	\$34,751 Old Republic Limit: \$5M/\$5M
Excess Liability \$5M xs \$25M	n/a	\$23,251 Third Coast Limit: \$5M/\$5M
Pollution Liability \$5M	\$66,630 ACE / Chubb Limit: \$5M Retro-Date: 1/25/17 Deductible: \$250k	\$68,428 ACE / Chubb Limit: \$5M Retro-Date: 1/25/17 Deductible: \$250k
TOTAL [1]	\$910,393	\$892,583

[1] Total Premium is decreasing by 1.96% over the expiring term.

Oakland-Macomb Interceptor Drain Drainage District

Marketing Summary 01/25/2024 to 01/25/2025

OMIDD January Insurance Renewals Summary

We have completed the renewal process for the OMIDD insurance program effective January 25, 2024. As always, our objective is to provide the broadest coverage at the most competitive pricing. This renewal we solicited options from the marketplace. As a result, were able to secure a positive renewal. From the Premium Summary below, total renewal premium for the January insurance policies is decreasing from \$910,393 to \$892,583 (-1.95%). Some notable points regarding the marketing of the 2024 OMIDD insurance renewals are as follows:

- Property Coverage: Chubb is still the best carrier for engineered risk and underground property coverage. Chubb has once again offered a 2-year policy term through 2026. We find that the negotiated rate increase on the (2) year policies are at or below market average and forecasted trends at the guaranteed +5%. Property insurance is continuing to see low to mid double-digit rate increases due to increased claims payouts and industry profitability related to weather incidents and national disasters. This renewal, we negotiated an increased property loss limit on the program from \$150,000,000 to \$175,000,000 resulting in a renewal premium *increase of 6.96%*. This includes the 1.49% Engineering News Record Construction Cost Index value increase, and a 5.47% property rate increase putting the total annual premium at \$447,135.
- Public Entity (PE) Liability: We solicited options on the primary general liability and public officials coverage this year. Our efforts produced a very competitive replacement for Lexington with Liberty Mutual. The public entity marketplace continues to see considerable disruption in rate, coverage, and reduced capacity for limits. Liberty Mutual offered a very competitive primary policy at \$225,051 which is a 9.3% decrease over expiring policy with Lexington. Lexington offered their primary renewal at a premium of \$260,555, which would have been an increase of \$12,400 or 4.9%. Our recommendation is to move forward with Liberty Mutual for this year on your primary coverage.
- Excess Liability: Liberty Mutual is providing the first \$10,000,000 in coverage on the liability tower for \$19,814. With this very competitive pricing we were able to restructure the excess tower to be much more competitive and provide a higher limit. We are recommending the higher limit to offset the change in coverage structure from Separate Aggregate Limits on the Public Officials Liability and General Liability coverage to a Combined Aggregate Limit policy structure.
- Pollution Liability: Chubb provided the best coverage at the most competitive price point again for this year. The renewal coverage was quoted through Chubb insurance at \$68,428 premium, which reflects a 3% increase over the expiring term.

Marketing Summary *(continued)*

Property Summary - Oakland-Macomb Interceptor Drain Drainage District

Prepared January 4th, 2024

	Expiring Program	Renewal Program
Term	1/25/2023-2024	1/24/2024-2026
Carrier	Chubb	Chubb
Form Type	Engineered Risk Property	Engineered Risk Property
Loss Limit	\$150,000,000	\$175,000,000
Total Insurable Value	\$684,159,271	\$694,356,734
ENR TIV Increase %	4.4%	1.49%
Rate Change %	5.0%	5.47%
Deductible	\$3,000,000	\$3,000,000
1st Year Premium	\$418,058	\$447,135
2nd Year Premium	N/A	\$469,565 ¹
Total Premium Change (includes TIV and Rate)	9.9%	6.96%
Underground Property	Covered	Covered
Flood Coverage	\$150,000,000	\$150,000,000
Flood Coverage - Zones A, AE, A1-A30, AH, AO, AR, A99, AR/A, AR/AH, AR/AO, AR/A1-A30, B-Protected, D, V, VE, V1-V30 and Shaded X-Protected.	\$10,000,000	\$10,000,000
Earth Movement	\$25,000,000	\$25,000,000
¹ 2-Year Policy Term Offered with the following parameters: 1) +5% Rate Increase, 2) Under 40% Loss Ratio. TIV adjustment is treated separately and in addition to quoted premium.		

Marketing Summary *(continued)*

Liability Summary - Oakland-Macomb Interceptor Drain Drainage District

Prepared January 4th, 2024

	Expiring Program	Renewal Per Expiring	(Recommended) Renewal Option #1
Term	1/25/2023-2024	1/25/2024-2025	1/24/2024-2025
Primary Carrier	Lexington	Lexington	Liberty Mutual
Form Type	Occurrence	Occurrence	Occurrence
Primary Limit	\$1,000,000	\$1,000,000	\$1,000,000
1st Excess Limit	\$10,000,000	\$5,000,000	\$10,000,000
2nd Excess Limit	\$10,000,000	\$5,000,000	\$10,000,000
3rd Excess limit	N/A	\$10,000,000	\$5,000,000
4th Excess limit	N/A	N/A	\$5,000,000
Limits	\$21,000,000 (Each General Liability and Public Officials)	\$21,000,000 (Each General Liability and Public Officials)	\$31,000,000 (Combined General Liability and Public Officials)
Retention	\$250,000	\$250,000	\$250,000
Primary Premium	\$248,152	\$260,555	\$225,051
1st Excess Premium	\$131,378	\$117,655	\$19,814
2nd Excess Premium	\$46,175	\$100,000	\$74,153
3rd Excess Premium	\$0	\$50,000	\$34,751
4th Excess Premium			\$23,251
TPA Fee	\$1,500	\$1,500	N/A
Premium	\$427,205	\$529,710	\$377,020
Percentage Change		24%	-12%
<u>Defense Costs</u>	GL - Outside the limit, POL - Inside the limit	GL - Outside the limit, POL - Inside the limit	GL - Outside the limit, POL - Inside the limit
<u>Duty to Defend</u>	Right and Duty	Right and Duty	Right and Duty
<u>How Limits Apply</u>	Separate Aggregate	Separate Aggregate	Shared Aggregate Excess
<u>Backup Exclusion - Backup or overflow of any sewer line installed, owned, maintained and/or serviced by you.</u>	Yes	Yes	No - Primary General Liability provides \$1M. Excluded on Excess Liability.
<u>Earth Movement (Subsidence) Exclusion - applies to Property Damage liability only (does not exclude Bodily Injury)</u>	Exclusion for Property Damage Only (no Exclusion for Bodily Injury)	Exclusion for Property Damage Only (no Exclusion for Bodily Injury)	No Exclusion for Bodily Injury or Property Damage

Agenda Item No. 6

Change Order

CHANGE ORDER NO. FORTY

Oakland Macomb Interceptor Drain, Drainage District (OMIDDD)
 For Construction of the Pump and Electrical Upgrades Project
 Northeast Sewage Pumping Station (NESPS)

Located in the City of Detroit, Wayne County, Michigan

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

Authorization for: 1.) Sanitary Pumps #1, 2, and 3 Physical Modeling and Laboratory Testing; 2.) Building Fire Alarm System Redesign Costs; 3.) Perform field investigation on Control Structure # 9 Sluice Gate sealing wedges; 4.) Furnish new Pump # 6 Knife Gate Valve.

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

Change Order No. 40 Date: January 05, 2024

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
40 -1	<p>LOCATION:</p> <p>The Northeast Sewage Pumping Station (NESPS) Detroit, Wayne County, Michigan</p> <hr/> <p>DESCRIPTION (Extra/ Add):</p> <p>Engage an outside consulting firm specializing in fabricating and testing models of pump discharge system hydraulic performance.</p> <p>REASON:</p> <p>The initial on-site performance of (new) Flowserve Sanitary Pumps # 1 and 3 has demonstrated discharge rates less than that required by specification. Preliminary investigations have failed to provide a reason for the sub-par performance, and the complex inter-relationship between pump performance and suction/ discharge piping systems has resulted in the need for a system scale model for testing.</p>	LS	1 ea.	\$132,187.50	\$132,187.50	-0-

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
40 -1	<p>The intent is to fully understand the various hydraulic flow issues involved, and conceivably determine how best to resolve the pump performance problem.</p> <p>The Clemson Hydraulics Laboratory (Clemson) is well known for providing this type of investigative research and they have been now consulted on the NESPS project. Clemson proposes to construct a model of a typical NESPS Pump and Piping System and perform the appropriate testing protocols which will lead to potential field and/or factory modifications for Sanitary Pumps Numbers 1, 2, and 3 piping.</p> <p><i>(Note: Proposed replacement Sanitary Pumps # 5 and #6 have different operating characteristics, and while they may also benefit from this testing protocol, are not subject to the same exact hydraulic considerations as Pumps # 1,2, and 3. Pump # 4 remains in service unchanged).</i></p> <p>Attachment: Walsh Construction Co. PCI No. 970221</p>					
40 -2	<p><u>DESCRIPTION: (Change/Add):</u></p> <p>Provide redesign services for the NESPS Building System Fire Alarm design plan.</p> <p><u>REASON:</u></p> <p>Requirements for the building fire alarm system were further reviewed (including on-site meetings) with the City of Detroit Building Dept., the project design Engineer, and the Fire Alarm Supplier (Johnson Controls) to address various issues in the alarm system, and specifically the automatic smoke alarm coverage. The result of this investigation has required various engineering changes and CADD revisions to the original fire alarm system design.</p> <p>Attachment: Walsh Construction Co. PCI No. 970219</p>	LS	1 ea.	\$8,882.21	\$ 8,882.21	-0-
40 -3	<p><u>DESCRIPTION: (Extra/ Add):</u></p> <p>Perform additional field investigation for a condition survey of the Control Structure 9 (CS-9) sluice gate "upper sealing wedges".</p>	LS	1 ea.	\$4,935.06	\$4,935.06	-0-

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
40 -3	<p><u>REASON:</u></p> <p>CS-9 is equipped with two remote operated sluice gates used to control flow volumes through the structure. Each gate is equipped with a series of adjustable wedging devices on the top and side perimeters of the gates that act to create a water-tight seal when the gates are lowered into a closed position. Previous gate operational problems (restricted closure) led to the discovery of sewage-born debris lodged on top of the gate that prevented full closure of the gate and interfered with and damaged the top wedge seals.</p> <p>An unrelated warranty inspection of hydraulic components was jointly arranged with the wedge seal assessment to remove the damaged seals and prevent continued gate closure interference. The cost of both efforts for access and ventilation was then shared equally by both tasks.</p> <p><i>(Note: Further considerations for permanent repairs to the top seals remains under review, with the gate functions currently fully operable absent the top wedge seals).</i></p> <p>Attachment: Walsh Construction Co, PCI No. 970216</p>					
40 -4	<p><u>DESCRIPTION: (Change/ Add):</u></p> <p>Furnish new 84" dia. Knife Gate Valve (KGV) for Sanitary Pump # 6 and delete the Schedule of Values Line Item # 58 for rehabilitation of the existing KGV.</p> <p><u>REASON:</u></p> <p>An in-depth review of the current progress schedule for the Pump & Electrical Upgrades project indicated that a significant savings in the time schedule for remaining work could be realized by manufacturing a totally new 84" KGV for Pump # 6 rather than refurbishing the existing valve. The primary basis for this time saving is premised on the ability to commence immediate manufacture of a new gate rather than encountering the delays that occur with the time required to await the start of Pump #6 work and then the significant time required to perform</p>	LS	1 ea.	\$440,301.75	\$440,301.75	-0-

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
40 -4	<p>the transport, remote off-site rehabilitation, and final return of the existing gate to the jobsite.</p> <p>While this task was included in the original Progress Schedule, subsequent unanticipated events involving performance problems with both new and existing pumps have led to sequencing changes in pump installation. In particular, the downtime currently experienced with existing Sanitary Pump # 4 due to the variable frequency drive (VFD) failure has contributed to continuing pump operational sequence revisions for the NESPS.</p> <p>As described in the attachments, the acquisition of a new Pump 6 KGV provides for an estimated schedule savings of 78 days which contributes to offsetting costs for the new gate. In addition, the deletion of the Line Item 58 KGV 6 refurbishment cost (\$200,000.00) for the existing gate provides a further cost offset. The scope of work required to install the new gate is essentially the same as installing the refurbished gate, and accordingly no adjustments in time or cost are necessary for the installation tasks.</p> <p>The supplier for the new KGV (HESCO) proposes a delivery time of 26 weeks for design, domestic manufacture, and delivery of the valve to the jobsite. Time is of the essence for the new gate procurement, and the Construction Manager is advised that special attention will be required to coordinate the manufacture and delivery of the gate to ensure its timely 26 week delivery schedule as described in the supplier's Proposal. Work Directive # 113 was issued on Dec.14, 2023 to initiate this schedule period.</p> <p>While the substantial cost of the new KGV # 6 represents a significant (and unanticipated) increase to the project budget, following in-depth consideration it is recognized as being in the favorable long-term interest of the project and for the overall NESPS facility as well.</p> <p>Attachment: Walsh Construction Co. PCI No. 970220</p> <p>END OF CHANGE ORDER #40 LINE ITEMS</p> <p>*****</p>					

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
					Amount Increase	Amount Decrease
				Change Order # 40 Totals	\$586,306.52	-0-
				Net Changes (Increase)	\$586,306.52	

--

Prepared By: Lawrence T. Gilbert Date: 1-05-2024
Lawrence T. Gilbert, P.E.
NTH Consultants, Ltd.

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

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

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

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

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

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

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

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

This Change Order No. 40 was approved by the Drainage Board on: _____ Date: _____



Attachment No. 1 to Change Order No. Forty

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 (January 05, 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 # 39, and including CS-9 C.O. # 1,2,3,4	\$ 6,860,040.67
This Change Order # 40	\$ 586,306.52
<i>Adjusted GMP Contract Value, Pump & Electrical Upgrades and CS-9 Projects (Including this C.O. # 40)</i>	\$ 50,379,729.07

Agenda Item No. 7

Construction Estimates

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

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

December 01 through December 31, 2023

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

Construction Manager at Risk:

Vendor # 23191 LI 43331; exp. 12/16/22

Walsh Construction Co.

Date of Contract: Dec. 16, 2019

3031 West Grand Boulevard, Suite 640

(Adjusted Final Completion Date: July 28, 2023

Detroit, MI 48202

Contract No. 5977

Orig. GMP amount for Pump & Elec. Upgrades Project, and including CS-9	\$44,107,745.19
Pre-Construction Payment (Separate Accounting)	(\$1,244,560.00)
NESPS Pump & Elec. Upgrades Original Contract Budget	\$42,863,185.19
Change Orders, This Estimate: C.O. # 39	\$383,680.17
Previous C.O.s: (Numbers 7 through No. 38 and CS-9 # 1 through # 4)	\$6,476,360.50
Note: C.O. # 30 includes the budget transfer of \$70,196.70 from Pre-Con to GMP budget)	\$70,196.70
Adjusted Contract Amount including CS-9 values	\$49,793,422.56
Sub-Total To Date	\$ 39,957,799.07
Less Deductions: None	\$ -
Less Amount Reserved (max. 10% of 50% of total CV, including CS-9 value)	\$ 2,489,671.13
Total Amount Allowed To Date:	\$37,468,127.94
Less Previous Estimates:	\$37,370,819.13
Payment Due	\$97,308.81
Reserve Pay to Contractor:	\$0.00
Balance to Finish: \$ 9,835,623.48 Work In Place = 81% (NESPS) Complete Accounting Auditor:	
Amount to be Reserved	2,489,671.13
Less Previous Transfer to Reserve	2,470,487.12
Amount of Current Transfer	\$19,184.01

Regular Construction Estimate No. 39; December, 2023 - NESPS Pump & Electrical Upgrades

Page Two of Two

Prepared by: Lawrence T. Gilbert

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

Date: 1-15-2024

Recommended by: John Michalski

John Michalski, P.E., ASI

Date: 1/12/2024

Recommended by: Joel Brown

Joel Brown, P.E. Oakland County WRC

Date: 1/12/2024

Recommended by: Stephen Downing

Stephen Downing; Macomb County OPWC

Date: 1/12/2024

**Regular Construction Estimate No. 39; December, 2023
NESPS Pump & Electrical Upgrades Project**

Approved By Board On: _____

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


Regular Construction Estimate No. 34

Period: 12/01/23 through 12/31/23

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

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

Original Construction Contract Amount	\$14,732,510.00
Previous Change Orders: No. One, Two, Three, Four, and Five	\$1,287,656.61
Change Orders This Estimate: None	\$0.00
Total Net Change Orders:	\$1,287,656.61
<u>Adjusted Contract Amount:</u>	<u>\$16,020,166.61</u>
Sub-Total To Date	\$15,139,819.95
Less Deductions: None	\$0.00
Gross Estimate, Work in Place 94.5 % Complete	\$15,139,819.95
Less Amount Reserved (Max. at 10% of 50% of adjusted C.V.)	\$801,008.33
Total Amount Allowed To Date:	\$14,338,811.62
Less Previous Estimates	\$14,174,005.77
Net Payment Request To Be Paid To Contractor:	\$164,805.85
Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$ 880,346.66	Accounting Auditor:
Amount to be Reserved from Above	\$801,008.33
Less Previous Transfers To Reserve:	\$801,008.33
Amount of Current Transfer	\$0.00

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

Date: 1-05-2024

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

Date: 1-12-24

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

Date: 1/12/2024

Recommended by: 
 Stephen Downing; Macomb County OPWC

Date: 1/12/2024

Regular Pay Estimate No 34; Dec. 01 through Dec.31, 2023

Approved By Board On: _____

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

Regular Construction Estimate No. Five (Contr. 2-A Only)

Period: Dec. 1 through Dec. 31, 2023

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		\$0.00
Total Net Change Orders:		\$0.00
Adjusted Contract Amount: (Contract 2A Only)		\$9,488,650.00
Sub-Total To Date		\$1,995,974.44
Less Deductions: None		\$0.00
Gross Estimate, Work in Place	21 % Complete	\$1,995,974.44
Less Amount Reserved (Max. at 10% of completed work)		\$199,597.44
Total Amount Allowed To Date:		\$1,796,377.00
Less Previous Estimates		\$1,770,097.00
Net Payment Request To Be Paid To Contractor:		\$26,280.00
Reserve Payment to Contractor:		\$0.00
Balance to Finish: \$ 7,492,675.56	Accounting Auditor:	
Amount to be Reserved from Above		\$199,597.44
Less Previous Transfers To Reserve:		\$196,677.45
Amount of Current Transfer		\$2,919.99

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

Date: 1-05-2024

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

Date: 1-12-24

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

Date: 1-12-2024

Recommended by: *Stephen Downing*
 Stephen Downing; Macomb County OPWC

Date: 1/12/2024

Regular Pay Estimate No. Five ; Dec. 1 through Dec. 31, 2023

Approved By Board On: _____

Agenda Item No. 8

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.

January 17, 2024 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (January 5, 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 and Corrosion Control Design

- Project Budget: \$963,223.90
- Total Spent (Invoice No. 12, through October 18, 2023): \$823,182.11
- Effort is currently on time in accordance with Jacobs' latest design schedule.

Status of Major Project Tasks:

- Jacobs prepared and submitted to OMIDDD the 100% Design package (plans and specs) on December 14, 2023. The 100% Design package included the 100% Design drawings, specifications, and a comment resolution form. A future workshop/design coordination meeting will be scheduled in January 2024 to coordinate remaining items to advance to an "Issued for Bid" set. The Bidding Phase will likely begin after the end-of-year holidays and in early 2024.
- The design of the 15 Mile Road/ITC Corridor (CS-6) odor/corrosion control system is currently on hold until the terms for grant funding of the adjacent Sterling Heights parcel (east of the ITC Corridor) are clarified with the National Park Service (grant originator), and data from other odor control sites is available.
- Jacobs prepared and submitted the EGLE Part 41: Wastewater Permit application and continues to follow up with EGLE reviews. Jacobs continues to work through the City of Sterling Heights preliminary site plan and site plan permit application packages and review comments. Jacobs also prepared responses and changes to the design in response to the Macomb County Department of Roads (MCDR) review comments for a construction in a right-of-way permit.
- Jacobs continues to support WRC on behalf of OMIDDD to identify construction contractor staging/storage area(s) for use during construction and to begin coordination with property owners.

SRF Segment 2 Status:

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

SRF Segment 3 Status:

Contract 4: Complete

SRF Segment 4 Status:

Contract 5A/5B: Complete

- City of Utica Use Agreement for access paths is pending; awaiting final authorization (which is close!)

Contract 6: Complete

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

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

NESPS & OMID Maintenance, Operations & Upgrades Status:

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

- Mersino is under contract for standby emergency bypass pumping. No activity this month.
- The OMIDDD Project Team has finalized design for keeping the 15 Mile Road bypass pumping arrangement (initially constructed in summer 2021) intact and buried below grade, pending final agreement with ITC and other easement owners. Currently under review by ITC, Sterling Heights, and coordinating with other easement holders. Final design package to be used to solicit bids from several OCWRC and MCPWS Blanket Contract Holders. Field work will follow after requirements for MIDDD Segment 5 pipe storage are complete (spring or summer 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, NESPS, and Pump/Electrical Upgrade Project is ongoing and has not impacted station operations or the ability to meet demand.
- The wet well elevator remains disabled, with re-construction plans in progress.

Progress toward final completion in 2024 continues with custom parts starting to arrive according to Lardner. Construction start is anticipated for April-May 2024.

- The quarterly wet well bar screen cleaning is scheduled for January 2024. The north bar screen was last cleaned on September 27, 2023 during wet well isolation for Pump 5 knife gate valve (KGV 5) installation. Both bar screens (north and south) remain in good condition with a cleaning date planned for January 29, 2024. A demonstration of the NLB cleaning system will be performed at that same time.
- The 25-ton crane is back in service, with a repair report on file. The four-ton crane is on standby. An annual inspection was completed November 30, 2023, for both cranes and the report is on file.

Overall NESPS Station Performance Report by METCO:

- Mechanical: Sanitary Pumps #1 #2, #3, and #6 ready for duty (Pumps #1 and #3 provisionally approved for use). Total Pumping Capacity equals 450 CFS. Contract Capacity 423cfs. Firm Capacity 400cfs. The vibration issues observed on shutdown at Sanitary Pumps #1 and #3 have not been resolved but adjustments to vibration timer settings have resulted in uninterrupted performance. The issue remains under review by Walsh and OMID, with the Engineering team and Metco monitoring conditions closely. In the meantime, both Pumps #1 and #3 remain in rotation.
- Adjustments were made to the MPR (Motor Protection Relay) by Walsh and Rotor due to nuisance trips of both #1 and #3 pumps.
- Sanitary Pump #4 is currently out of service. The Pump #4 Variable Frequency Drive (VFD) failed catastrophically, and the unit is no longer serviceable. A purchase order for a new Toshiba MV 2000HP VFD Drive was submitted by Rotor on October 27, 2023. The drive unit is in stock and reserved with an expected lead time of 28 weeks. Shop drawings are expected by mid-June, 2024.



The project continues on track for completion in the July, 2024 timeframe.

- The operational use of both Pumps #1 and #3 has been approved, in writing, by Flowserve. After ongoing efforts to mitigate pump capacity issues, pressure taps on the suction pipe were installed (per Flowserve recommendation) in order to better diagnose the proper resolution to the issue. Based on data from the testing, it appears that a “pre-rotation” condition may exist within the intake manifold of Pumps #1, #2, and #3, which may be contributing (or causing) the reduced capacity issue. A physical model is now being planned around mid-February, 2024, in order to better evaluate the cause and fix. The engineering team discussed and determined that in the meantime, demolition of Pump 5 will be authorized to proceed, as the physical model will be complete in time to inform any necessary re-design of Pump 5; and because the “pre-rotation” issue is not expected in Pumps 4 through 6, due to their configuration.

- The wet well dewatering pump remains ready for duty.
- NESPS/GLWA LOTO (Lock-Out Tag-Out) final forms are complete. All personnel are required to fill out forms before any sewer entry. There continues to be no issues with LOTO procedures during this reporting period.
- The primary switchgear in the existing station remains double-ended with two sources of utility power (Transformer #3 and Transformer #4). Generator back-up is available if needed to power pumps Pumps #2, #5, and #6.
- New T4 Transformer will be tested by Schneider Electric the week of January 8, 2024 for a possible permanent install thereafter. A meeting is also scheduled that week to discuss Stand-by Generator interface.
- Dry well submersible sump Pumps #1 and #2 are in service and ready for duty.
- Specific data logging software continues to monitor Sanitary Pump #2 VFD drive programmable logic controller (PLC).
- CMMS: NEXGEN asset management in use. Monthly status meetings are being held with OMID. Contractors are fulfilling their requirements with no outstanding issues to report.
- HVAC: Gas detection is in use. Rounds are conducted daily. Unit air filters are restocked and changed as required. Erratic spikes of H₂S and methane have triggered alarm sirens and strobes inside the Pumpstation have been resolved.
- Bio Filter performance has been acceptable. Irrigation process has been limited by another PLC failure. This PLC failure has been resolved.
- Overall General Housekeeping tasks remain in order. Minor maintenance activities continue to be addressed in a timely manner.

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

- Daily flow control operations continue to support MID/OMID/NIEA repair and improvement projects. (Weather permitting)
- Semi-Annual Preventative Maintenance completed.
- All LOTO protocols 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. Contractor modifications appear to be working; no leaks or gate drift are occurring.
- The engineering team continues to monitor gate activity and expects to ask for an extension to the warranty.
- Routine daily rounds and inspections made.

Other System Operation Issues

- O&M Manual is currently being revised to include new structures, recently modified structures, new monitoring equipment, and recent inspection and repair status.
- EGLE has informally agreed to consent to use of all flow control structures for long term flow control. Formal consent was finally received from EGLE this month!

OMID Control Structure Upgrades Status:

- ASI continues design of major upgrades to control structures which takes into consideration long-term operability.
- Initial inspections, planning, and Basis of Design are complete.
- Final Design package submitted to OMID for review.

- 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 nodding, although start of the work is tentatively planned for Fall of 2024.

OMID System 3-Year Spot Repairs Status: Complete

OMID System 6-Year Inspection Status:

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

NIEA Repairs (Design/Construction)

Contract 1 (PCI-4 Rehabilitation): In Construction

Amt Invoiced: Construction cost to date is \$15,139,819.95, representing approx. 94.5% of the adjusted Contract value.

Schedule Status: The adjusted Substantial Completion date is April 12, 2023. The Contractor is operating approximately 271 days behind the adjusted schedule, with time extensions requests under consideration. The Contractor has improved productivity during this reporting period. An accounting of Liquidated Damages is included with each payment application, shown as a debit against the retention account; however, funds will not be withheld until a final reconciliation of the schedule is completed.

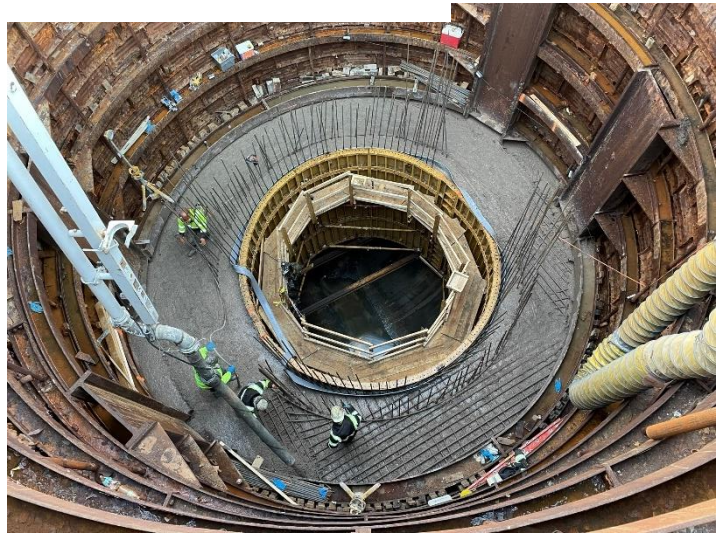
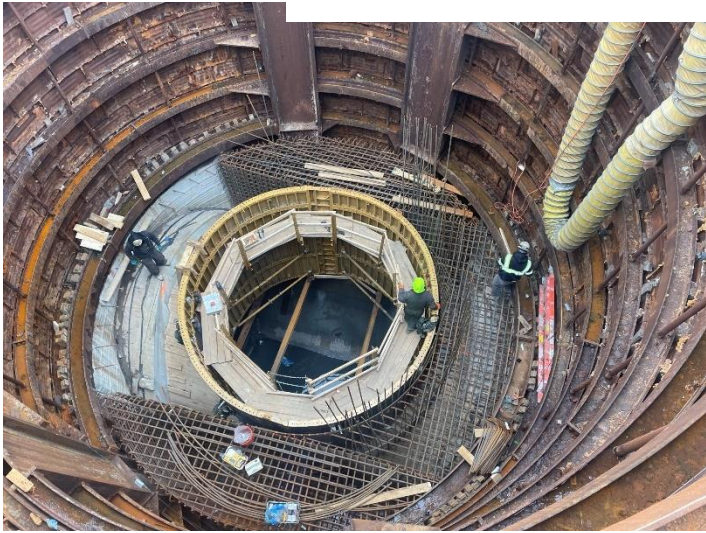
Contract 1 (PCI-4 Rehabilitation) Construction Status:

- Channeline lining is complete with approximately 1,334.5 linear feet grouted in place.
- QuakeWrap lining is complete with approximately 180 feet grouted in place.
- RockHard SCP lining is complete with approximately 185 feet grouted in place.
- Work nearing completion of the end-taper segments of the lining. Substantial completion of the Access Structure is projected for late January 2024, and an open to traffic date for Outer Drive projected for late February, 2024.

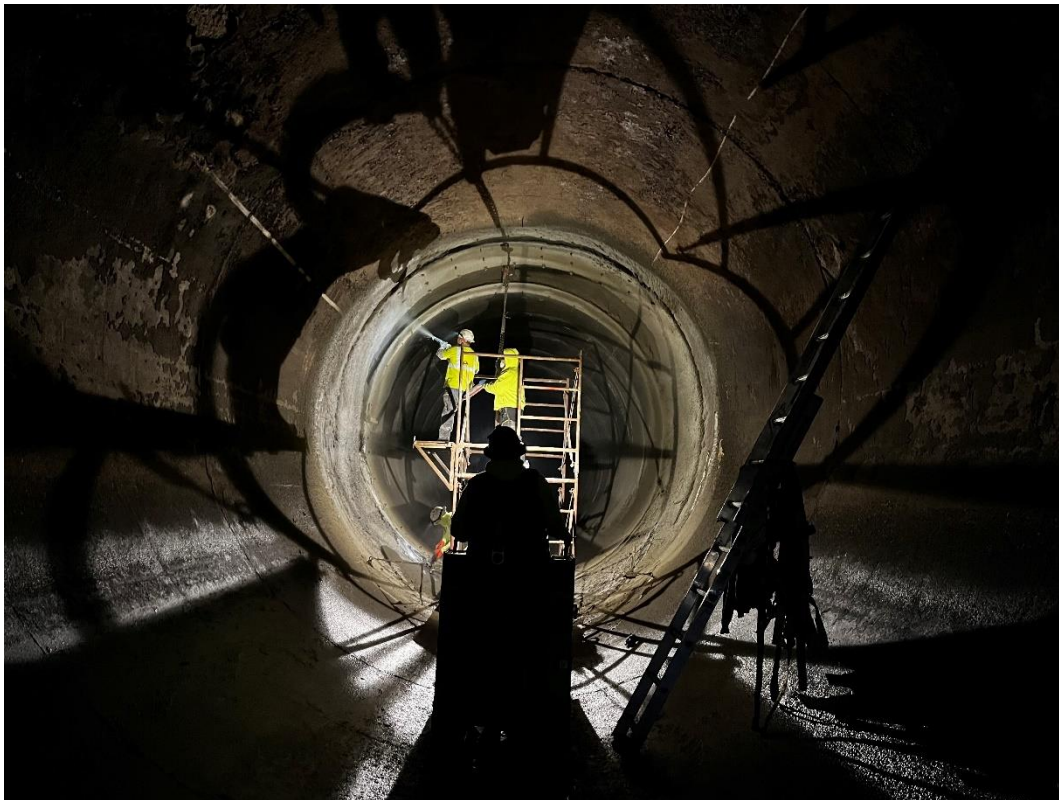
- Geotechnical monitoring of construction activities at the access shaft location indicates continuing stable conditions.



Reinforcing steel installed for concrete pour at Access Shaft



Progress of Pour #1 at Access Shaft



Shotcrete Application in PCI-4

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

Amt Invoiced: \$1,995,974.44 out of \$12,596,800 (construction, Contract 2A only) representing 21% complete.

Schedule Status: Contract 2A: Approximately 90 + days behind as a result of permit and watermain relocation issues; this time will be credited to the Contractor, with no currently anticipated increase in construction budget.

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

- Physical work is commencing following a “Right of Entry” agreement with the City of Detroit for a laydown area at East Brentwood Street and Van Dyke.
- Traffic control equipment is in place including signal, lane closure, and signage revisions.
- An informational flyer explaining the project has been delivered (and continues to be available) to residents and local businesses.
- The fifth Application for Payment for work performed by the contractor (\$26,280.00, for total billings to date of \$1,995,974.44) is under review by the Project Team.
- Work has been completed on the installation of stabilizing ribs in the existing 7 Mile Road (DWSD) sewer and in the OMID 8 foot adit sewer as well as other general site work. Work on the 7 Mile Rd. watermain relocation is currently delayed by permitting issues with DWSD and EGLE. However, this issue was resolved January 9, 2024, and work is re-commencing.
- Work at the PC-663 structure has included the removal of the existing stop gate (to be replaced with new) and minor concrete work within the chamber.



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

NESPS Pump and Electrical Upgrades Project

Budget Status: The total construction amount invoiced as of November 30, 2023, is \$39,841,306.25 out of \$49,409,742.38 (including the operational Control Structure 9 Bulkhead Gate facility and adjusted for stored material inclusion in major work activities), representing 81% of the Pump & Electrical Upgrades Project, with additional change order additions equalizing the regular work completion values.

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

The following Design Team and Construction Services Effort is active:

- Construction Phase services (RFIs, Submittals) are ongoing, and the engineering team is reviewing and responding.

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

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

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



NESPS Refurbishment Project Location



Installation of 6-inch knife gate valve at KGV3



Contractor exercising nuts and bolts of P#5 discharge



Removing contaminated soil to special dumpster



Gravel for new driveway serving the discharge chamber crane



Removing surficial soils to and placing geotextile and 21AA limestone

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

OMIDDD work under this contract includes debris removal and lining between CS-4 and Manhole 7-109 (CS-6 and CS-12 site). Debris removal is complete in the Romeo Arm, with 5,268.54 tons removed in total. Cleaning of the short reach of PCI-7 (OMID Section) is now underway. Lining of the OMID section will follow in late spring 2024.



Lining from Control Structure 12



Lining from Control Structure 12



Staging the pipe carrier

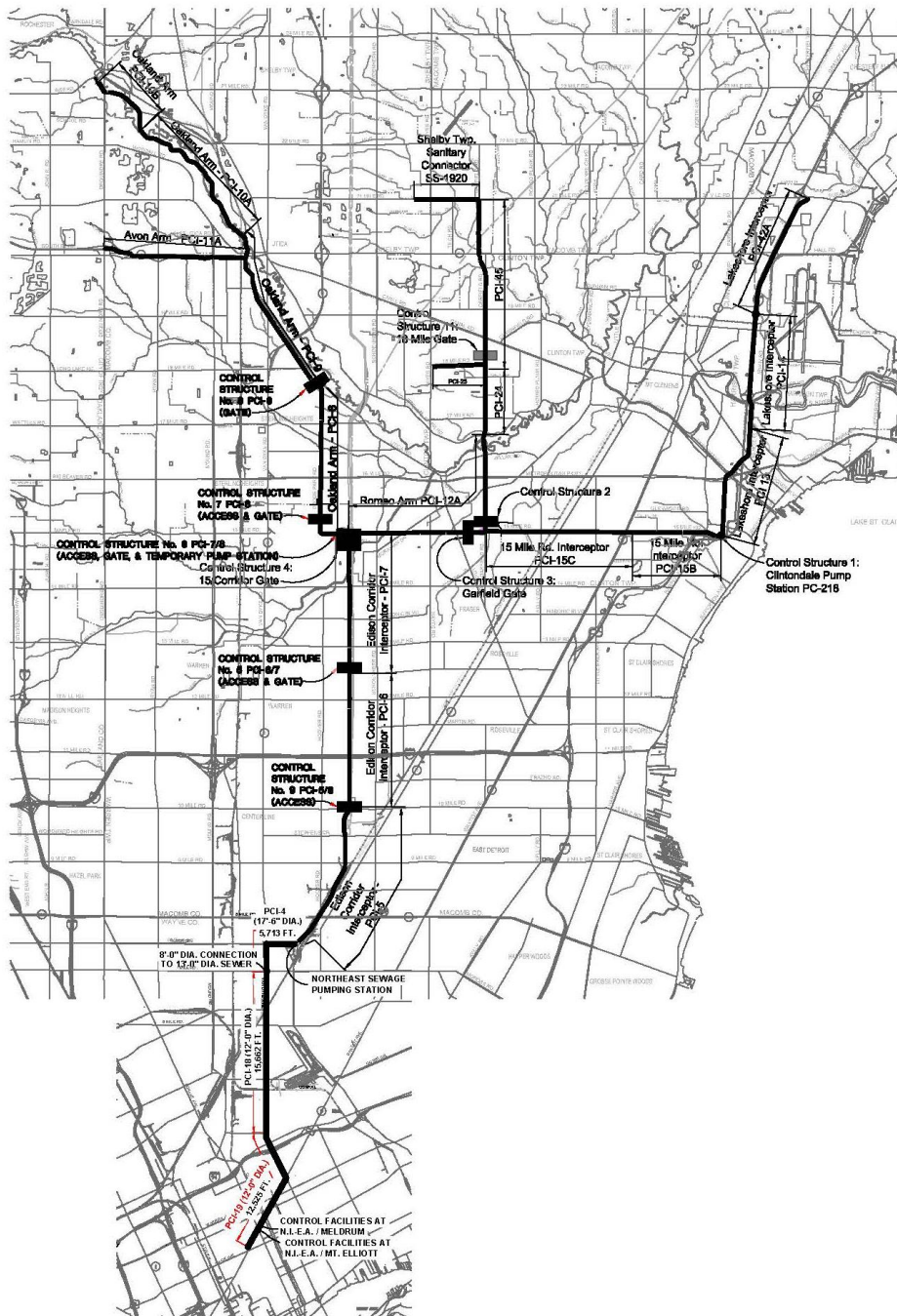


Pipe carrier viewed from inside RAI

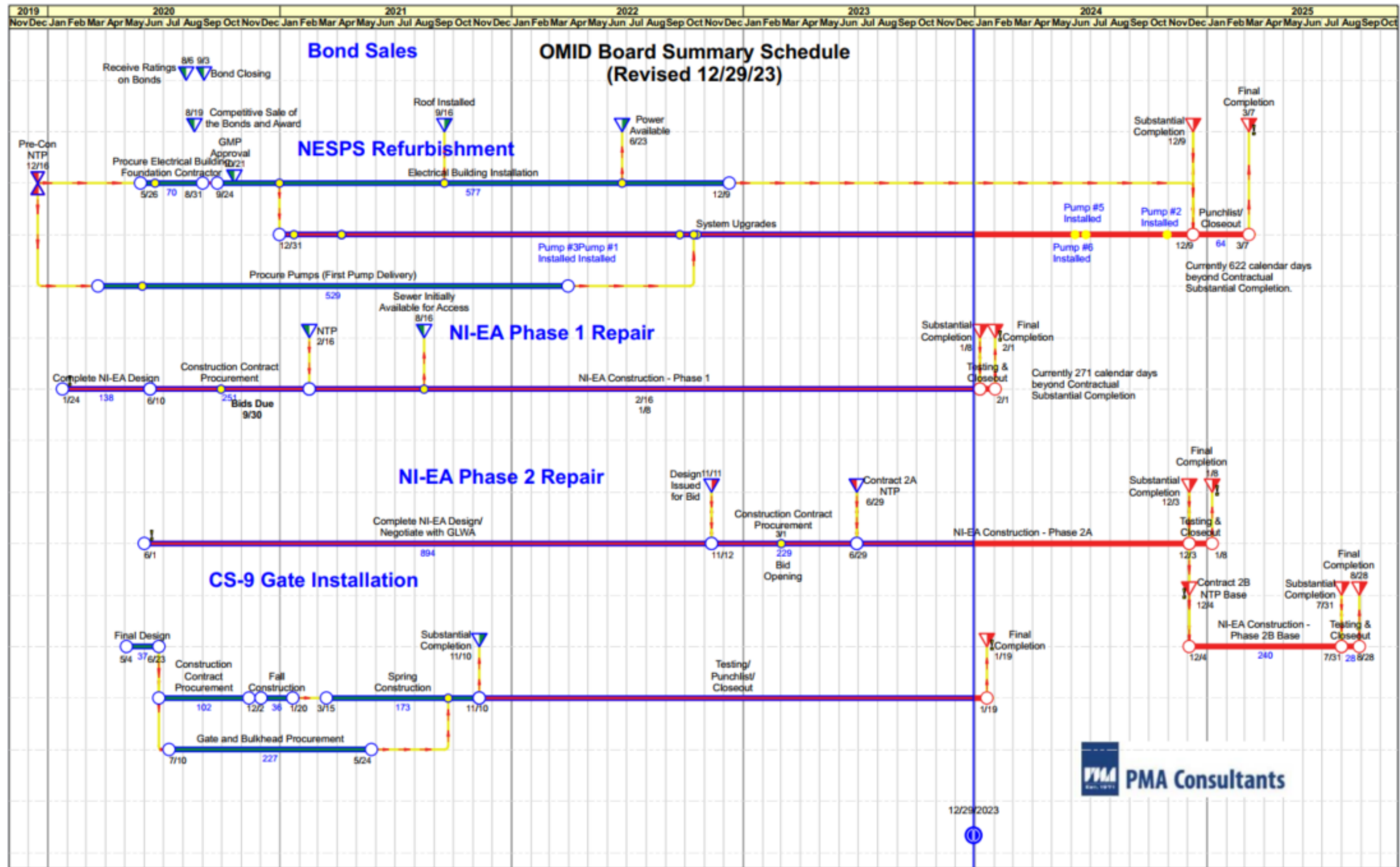
Summary of OMID Design and Construction Status:

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

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



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



NetProject 5.3, Release 5.3.2.1, Build 10704, (Mar 4 2022 11:21:58) Schedule Unit: Days Criticality Factor: Total Float (Days: 05)

OMID Project Schedule Summary

Agenda Item No. 9

**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 3, 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	2,085,586.51	5,839,225.65	12,938,978.88	20,863,791.04
104100	Accrued Interest on Investment	(167,703.74)			(167,703.74)
	ASSETS	1,917,882.77	5,839,225.65	12,938,978.88	20,696,087.30
222300	Unearned Revenues	576,414.65	(2,407,672.79)	(4,956,470.90)	(6,787,729.04)
	LIABILITIES	576,414.65	(2,407,672.79)	(4,956,470.90)	(6,787,729.04)
655000	Income From Investments	(642,213.42)			(642,213.42)
	REVENUES	(642,213.42)	0.00	0.00	(642,213.42)
730000	Contractual Services		391,916.46	482,356.01	874,272.47
770000	Internal Support Expenditures		12,549.27	22,344.29	34,893.56
	EXPENSES	0.00	404,465.73	504,700.30	909,166.03
381315	FB Restricted Debt	(47,288,433.00)			(47,288,433.00)
382100	FB Committed for Capital Proj	45,436,349.00	(3,836,018.59)	(8,487,208.28)	33,113,122.13
	Fund Balance	(1,852,084.00)	(3,836,018.59)	(8,487,208.28)	(14,175,310.87)
		(0.00)	0.00	0.00	(0.00)

Cash as of 12/31/2023 \$ 20,863,791.04

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (235,654.64)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (174,150.13)

Total Net Cash Balance \$ 20,453,986.27

OCM Project Work In Progress

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

Project	Final Budget	Actuals MTD	Commitments	Actuals YTD	Total Spend	Actuals LTD	Variance
Project Expenses	28,395,600.00	6,260.02	103,505.52	404,465.73	507,971.25	22,563,117.77	5,832,482.23
1 > Administration	584,000.00	0.00	0.00	0.00	0.00	175,749.40	408,250.60
1 > Contingency	2,581,000.00	0.00	0.00	0.00	0.00	0.00	2,581,000.00
1 > Engineering	478,000.00	5,712.22	0.00	10,421.70	10,421.70	221,214.32	256,785.68
1 > Engineering Consultants	4,913,000.00	0.00	103,505.52	62,680.06	166,185.58	5,477,728.82	(564,728.82)
1 > Facility Acquisition	17,983,600.00	0.00	0.00	339,236.40	339,236.40	16,168,212.44	1,815,387.56
1 > Inspection	260,000.00	0.00	0.00	0.00	0.00	0.00	260,000.00
1 > Legal and Financial	1,259,000.00	0.00	0.00	(10,000.00)	(10,000.00)	237,060.59	1,021,939.41
1 > Right of Way	265,000.00	547.80	0.00	2,127.57	2,127.57	83,986.86	181,013.14
1 > STANDARD	40,000.00	0.00	0.00	0.00	0.00	199,165.34	(159,165.34)
1 > Survey	32,000.00	0.00	0.00	0.00	0.00	0.00	32,000.00
Project Revenues	0.00	0.00	0.00	0.00	0.00	25,994,670.63	
RC605572 - Special	0.00	0.00	0.00	0.00	0.00	4,022,827.56	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	0.00	21,965,099.65	
RC698200 - Insurance	0.00	0.00	0.00	0.00	0.00	6,743.42	
Revenue Over/ (Under) Expenses						3,431,552.86	

OCM Project Work In Progress

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

Project	Final Budget	Actuals MTD	Commitments	Actuals YTD	Total Spend	Actuals LTD	Variance
Project Expenses	54,086,000.00	13,387.86	68,899.51	504,700.30	573,599.81	41,147,021.12	12,938,978.88
1 > Administration	620,000.00	0.00	0.00	38.91	38.91	44,457.97	575,542.03
1 > Contingency	4,917,000.00	0.00	0.00	0.00	0.00	0.00	4,917,000.00
1 > Engineering	446,000.00	9,181.38	0.00	11,186.35	11,186.35	292,668.04	153,331.96
1 > Engineering Consultants	3,987,000.00	0.00	64,080.01	78,677.53	142,757.54	3,359,266.96	627,733.04
1 > Facility Acquisition	40,857,000.00	0.00	0.00	412,037.07	412,037.07	35,803,157.49	5,053,842.51
1 > Inspection	285,000.00	4,206.48	0.00	11,157.94	11,157.94	400,833.83	(115,833.83)
1 > Legal and Financial	2,417,000.00	0.00	4,819.50	48,012.50	52,832.00	299,362.99	2,117,637.01
1 > Right of Way	393,000.00	0.00	0.00	0.00	0.00	0.00	393,000.00
1 > STANDARD	130,000.00	0.00	0.00	(56,410.00)	(56,410.00)	945,123.53	(815,123.53)
1 > Survey	34,000.00	0.00	0.00	0.00	0.00	2,150.31	31,849.69
Project Revenues	0.00	0.00	0.00	0.00	0.00	49,129,529.10	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	0.00	7,291,907.09	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	0.00	41,837,622.01	
Revenue Over/ (Under) Expenses						7,982,507.98	

OCM Project Work In Progress

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

Project	Actuals MTD	Actuals YTD	Total Spend YTD	Actuals LTD
Project Expenses	0.00	0.00	0.00	757,136.57
1 > Administration	0.00	0.00	0.00	242,201.57
1 > Legal and Financial	0.00	0.00	0.00	514,935.00
Project Revenues	31,452.51	642,213.42	(642,213.42)	3,251,433.99
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	894,060.05
RC655077 - Accrued Interest Adjustments	0.00	0.00	0.00	(80,979.70)
RC655385 - Income from Investments	31,452.51	70,315.13	(70,315.13)	1,352,266.31
RC655462 - Increase Market Value Investment	0.00	571,898.29	(571,898.29)	1,084.24
RC697219 - Premiums on Bonds Sold	0.00	0.00	0.00	7,672,724.75
RC697551 - Issuance of Bonds	0.00	0.00	0.00	(6,587,721.66)
Revenue Over/ (Under) Expenses				2,494,297.42

7.00

YTD Trial Balance Fund: 84918 NIEA Contract #2 As of Fiscal Period: Month 3, 2024		NIEA Contract #2 Bond Issue PRJ-17384	NIEA Contract #2 Construction PRJ-17408	YTD Balance
100100	Cash - Operating	52,703.85	14,140,474.56	14,193,178.41
104100	Accrued Interest on Investment	(4,894.64)		(4,894.64)
	ASSETS	47,809.21	14,140,474.56	14,188,283.77
201210	Vouchers Payable AP Cont			0.00
	LIABILITIES	0.00	0.00	0.00
655000	Income From Investments	(429,056.91)		(429,056.91)
	REVENUES	(429,056.91)	0.00	(429,056.91)
730000	Contractual Services		909,782.24	909,782.24
	EXPENSES	0.00	909,782.24	909,782.24
382100	FB Committed for Capital Proj	381,247.70	(15,050,256.80)	(14,669,009.10)
	Fund Balance	381,247.70	(15,050,256.80)	(14,669,009.10)
		0.00	(0.00)	(0.00)

Cash as of 12/31/2023 \$ 14,193,178.41

Invoices/Reimbursements for Construction PRJ-17408 on Current Agenda impacting Cash Balance (120,003.51)

Total Net Cash Balance \$ 14,073,174.90

OCM Project Work In Progress

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

Project	Final Budget	Actuals MTD	Commitments	Actuals YTD	Total Spend	Actuals LTD	Variance
Project Expenses	15,600,000.00	0.00	862,495.05	909,782.24	1,772,277.29	1,218,775.15	14,381,224.85
1 > Administration	95,287.00	0.00	0.00	0.00	0.00	0.00	95,287.00
1 > Engineering	235,465.00	0.00	0.00	0.00	0.00	0.00	235,465.00
1 > Engineering Consultants	2,089,000.00	0.00	67,543.54	72,084.91	139,628.45	135,280.16	1,953,719.84
1 > Facility Acquisition	12,596,000.00	0.00	794,951.51	729,347.83	1,524,299.34	975,145.49	11,620,854.51
1 > Inspection	230,037.00	0.00	0.00	0.00	0.00	0.00	230,037.00
1 > Legal and Financial	279,000.00	0.00	0.00	0.00	0.00	0.00	279,000.00
1 > Right of Way	42,000.00	0.00	0.00	0.00	0.00	0.00	42,000.00
1 > STANDARD	15,796.00	0.00	0.00	108,349.50	108,349.50	108,349.50	(92,553.50)
1 > Survey	17,415.00	0.00	0.00	0.00	0.00	0.00	17,415.00
Project Revenues	0.00	0.00	0.00	0.00	0.00	15,359,249.71	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	0.00	9,562,443.00	
RC697219 - Premiums on Bonds Sold	0.00	0.00	0.00	0.00	0.00	176,878.45	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	0.00	5,619,928.26	
Revenue Over/ (Under) Expenses						14,140,474.56	

OCM Project Work In Progress

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

Project	Actuals MTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD
Project Expenses	(23,980.00)	23,980.00	0.00	23,980.00	124,622.50
1 > Administration	(23,980.00)	0.00	0.00	0.00	124,622.50
1 > Legal and Financial	0.00	23,980.00	0.00	23,980.00	0.00
Project Revenues	21,728.99	0.00	429,056.91	(429,056.91)	172,431.71
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	0.00
RC655077 - Accrued Interest Adjustments	0.00	0.00	0.00	0.00	(4,894.64)
RC655385 - Income from Investments	21,728.99	0.00	47,809.21	(47,809.21)	67,254.61
RC655462 - Increase Market Value Investment	0.00	0.00	381,247.70	(381,247.70)	0.00
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	110,071.74
Revenue Over/ (Under) Expenses					47,809.21

Oakland County - Water Resources Commissioner's Office
Fund Equity: Schedule of Reserves and Dedicated Funds
As of Date: December 31, 2023

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	3,482,305.44	3,000,000.00	858,922.79	8,755,077.59		16,096,305.82
84917	OMIDD Seg 5						
	- Project PRJ-13252 Interceptor Seg 5 Bond Adm					2,494,297.42	
	- Project PRJ-13308 NI - EA Construction					3,431,552.86	
	- Project PRJ-13309 NESPS Construction					<u>7,982,507.98</u>	13,908,358.26
84918	OMIDDD North Interceptor East Arm – Contract #2						
	- Project: PRJ-17384 OMIDDD NIEA Contract2 Bond Adm					47,809.21	
	- Project: PRJ-17408 OMIDDD NIEA Contract2 Construction					<u>14,140,474.56</u>	14,188,283.77
Total Equity in Maintenance and Construction Funds							<u><u>44,192,947.85</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 01/17/2024

		84917	84917	84918	82912	
		1-3308	1-3309	1-7408		
Payable To	Invoice #	Segment 5 NIEA Construction	Segment 5 NESPS Mech / Electric Construction	NIEA Contract #2 Construction	Operations & Maintenance	Total
Oakland County *	WRC Labor/Fringes/Non-direct Labor (11/18/2023 - 12/29/2023)	6,093.87	12,972.16			19,066.03
Oakland County *	WRC Equipment (11/18/2023 - 12/29/2023)	166.15	415.70			581.85
Macomb County	ARP23-O&M.2 Personnel Reimbursment, Utilities, and SCADA Maintenance 12/13/2023				58,286.88	\$58,286.88
Anderson, Eckstein & Wastrick, Inc	Invoice # 147744 Boundry and Easement services 10/23/23 - 11/19/23				1,788.40	1,788.40
Anderson, Eckstein & Wastrick, Inc	Invoice # 147844 Boundry and Easement services 11/20/23 - 12/17/23				842.60	842.60
Applied Science, Inc	Invoice # 57 (ASI Inv. #8561) Services 10/29/20 to 11/25/23		57,293.88		4,818.93	62,112.81
CSM Mechanical, LLC	Invoice # 2433 - Job 23-530 MSA Annual Calibration Services 08/04/2023				2,442.90	2,442.90
CSM Mechanical, LLC	Invoice # 2435 - Job 23-530-01 MSA Panel PM Service 11/16/2023				3,147.00	3,147.00
Jacobs Consultants, Inc.	Invoice # C6A19900-12 OMIDD Odor & Corrosion Facilities 06/23/2023 - 10/18/2023				5,343.02	5,343.02
Kennedy Industries	Invoice # 639679 - NEPS Pump 2 Field Service 12/03/2023				1,429.50	1,429.50
METCO Consulting Engineers	Invoice # 1811-60 12/04/2023 Through 12/31/2023				64,375.20	64,375.20
Nexgen Asset Management	Invoice # 4124 Contractor Portal and Cloud Services 1/1/22 - 12/31/24				80,475.00	80,475.00
NTH Consultants	Invoice # 634794 (D-421 & D-462) Engineering Services 11/18/2023 - 12/22/2023		363.43			363.43
NTH Consultants	Invoice # 634795 2021 OMIDD System Inspection 09/23/2023 - 12/22/2023				462.65	462.65
NTH Consultants	Invoice # 634811 Rehab Close-Out & NESPS Maintenanc Tasks 11/18/2023 - 12/22/2023				4,627.04	4,627.04
NTH Consultants	Invoice # 634812 (D-425 & D-457) Engineering Services 11/18/2023 - 12/22/2023	70,848.79				70,848.79
NTH Consultants	Invoice # 634815 (D-458 & D-463) Engineering Services 11/18/2023 - 12/22/2023			90,803.52		90,803.52
PM Technologies	Invoice # 85506232 NESPS Generator 3 Monthly Inspection Date 12/11/2023				350.00	350.00
PM Technologies	Invoice # 85510825 NESPS Generator 1 Monthly Inspection Date 12/11/2023				350.00	350.00
PM Technologies	Invoice # 85513225 NESPS Generator 2 Monthly Inspection Date 12/11/2023				350.00	350.00
Rotor Electric Company of Michigan	Invoice # 12719 P2 & P6 Motor Maintenance 11/10/2023				3,627.25	3,627.25
Rotor Electric Company of Michigan	Invoice # 12718 Battery Charge E-Call 10/31/2023				1,519.50	1,519.50
Rotor Electric Company of Michigan	Invoice # 12717 DTE T4 XFMR Shutdown Support 09/23/2023				2,664.75	2,664.75
Mara Services	Construction Estimate # 34 NI-EA PCI 4 rehabilitation	164,805.85				164,805.85
Walsh Construction	Construction Estimate # 39 NESPS Pump & Electircal Upgrades Project		116,492.82			116,492.82
Z Contractors	Construction Estimate # 5 NI-EA contract #2A and 2B - PCI 18 and 19			29,199.99		29,199.99
Total Invoices/Reimbursements for Approval		241,914.66	187,537.99	120,003.51	236,900.62	786,356.78
* Less WRC Charges already paid from OMI Fund		(6,260.02)	(13,387.86)	0.00		(19,647.88)
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board		235,654.64	174,150.13	120,003.51	236,900.62	766,708.90

Agenda Item No. 10

Invoices

CANDICE S. MILLER
MACOMB COUNTY PUBLIC WORKS COMMISSIONER
 21777 Dunham
 Clinton Twp, Michigan 48036
 Phone: (586) 469-5325

Invoice No. ARP23-O&M.2

INVOICE

Customer

Name County of Oakland
 Oakland Co Treas-Cash Acct Bldg 12E
 Address 1200 N Telegraph Rd
 City Pontiac MI 48341

Date 12/13/2023

Description	TOTAL
Personnel Reimbursement 4/1/2023-9/30/2023	\$46,149.79
SCADA Maintance	\$6,685.24
Utility Reimbursement	\$5,451.85
*** See Attached	
PLEASE MAKE CHECK PAYABLE TO: Macomb County Public Works	
TOTAL	\$58,286.88

For Office Use Only:

Date Received _____
 Amount Received _____
 Check No. _____
 Deposit Date _____
 Receipt No. _____
 Voucher No./Date _____

Due Upon Receipt

BY: 
 Bruce Manning Financial Manager

OMID			
COMCAST	8529 10 112 0329082	4/1-4/30	\$21.69
COMCAST	8529 10 112 0329082	5/1-5/31	\$18.89
COMCAST	8529 10 112 0329082	6/1-6/30	\$18.89
COMCAST	8529 10 112 0329082	7/1-7/31	\$18.89
COMCAST	8529 10 112 0329082	8/1-8/31	\$18.89
COMCAST	8529 10 112 0329082	9/1-9/30	\$18.89
COMCAST	8529 10 113 0127831	5/1-5/31	\$20.29
COMCAST	8529 10 113 0127831	6/1-6/30	\$39.17
COMCAST	8529 10 113 0127831	7/1-7/31	\$18.89
COMCAST	8529 10 113 0127831	8/1-9/30	\$39.17
COMCAST	8529 10 199 1516981	3/19-4/18	\$241.35
COMCAST	8529 10 199 1516981	4/19-5/18	\$251.13
COMCAST	8529 10 199 1516981	5/19-6/18	\$231.17
COMCAST	8529 10 199 1516981	6/19-7/18	\$231.17
COMCAST	8529 10 199 1516981	7/19-8/18	\$241.27
COMCAST	8529 10 199 1516981	8/19-9/18	\$231.66
COMCAST	8529 10 199 1516981	9/19-10/18	\$241.66
COMCAST	8529 10 077 0837261	4/17-5/16	\$18.39
COMCAST	8529 10 077 0837261	5/17-6/16	\$18.40
COMCAST	8529 10 077 0837261	6/17-7/16	\$18.40
COMCAST	8529 10 077 0837261	7/17-8/16	\$19.11
COMCAST	8529 10 077 0837261	8/17-9/16	\$18.46
COMCAST	8529 10 077 0837261	9/17-10/16	\$18.46
COMCAST	8529 10 077 0830852	4/9-5/9	\$11.89
COMCAST	8529 10 077 0830852	5/9-6/8	\$11.19
COMCAST	8529 10 077 0830852	6/9-7/8	\$11.19
COMCAST	8529 10 077 0830852	7/9-8/8	\$11.19
COMCAST	8529 10 077 0830852	8/9-9/8	\$11.19
COMCAST	8529 10 077 0830852	9/9-10/8	\$11.19
COMCAST	8529 10 076 1516528	3/30-4/29	\$174.90
COMCAST	8529 10 076 1516528	4/30-5/29	\$164.90
COMCAST	8529 10 076 1516528	6/1-7/29	\$339.80
COMCAST	8529 10 076 1516528	8/1-9/29	\$339.80
COMCAST TOTAL			\$3,101.53
Verizon	9933250587	3/24-4/23	\$391.63
Verizon	9907225495	4/24-5/23	\$391.49
Verizon	9937986984	4/24-6/23	\$391.61
Verizon	9911862242	6/24-7/23	\$391.72
Verizon	9942755270	7/24-8/23	\$391.93
Verizon	9945162996	8/24-9/23	\$391.94
VERIZON TOTAL			\$2,350.32
Macomb County	Personnel	4/1-6/30	\$24,170.44
Macomb County	Equipment Use	4/1-6/30	\$2,493.17
Macomb County	Personnel	7/1-9/30	\$21,979.35
Macomb County	Equipment Use	7/1-9/30	\$2,149.65
People Driven Technology	INV4719		\$222.34
People Driven Technology	INV5023		\$6.48
People Driven Technology	INV5136		\$1,673.23
People Driven Technology	INV5486		\$11.90
Colville	23279		\$128.47
VENDORS			\$52,835.03
TOTAL DUE FROM OMID			\$58,286.88

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 11/18/2023 - 12/29/2023									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1206288	11/27/23	11/03/23	BANTIOS, EVAGELOS	0.50	60.86	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	11/27/23	11/06/23	BANTIOS, EVAGELOS	0.50	60.86	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	11/27/23	11/09/23	BANTIOS, EVAGELOS	3.00	365.13	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	11/27/23	11/13/23	BANTIOS, EVAGELOS	6.00	730.26	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	11/27/23	11/14/23	BANTIOS, EVAGELOS	2.00	243.42	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	11/27/23	11/15/23	BANTIOS, EVAGELOS	1.00	121.71	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	11/27/23	11/16/23	BANTIOS, EVAGELOS	5.50	669.41	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	11/27/23	BANTIOS, EVAGELOS	1.00	121.71	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	11/28/23	BANTIOS, EVAGELOS	1.00	121.71	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	11/30/23	BANTIOS, EVAGELOS	4.00	486.84	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/05/23	BANTIOS, EVAGELOS	1.00	121.71	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/06/23	BANTIOS, EVAGELOS	4.00	486.84	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/07/23	BANTIOS, EVAGELOS	8.00	973.68	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/08/23	BANTIOS, EVAGELOS	1.50	182.57	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/11/23	BANTIOS, EVAGELOS	5.00	608.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/12/23	BANTIOS, EVAGELOS	3.50	425.99	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/14/23	BANTIOS, EVAGELOS	5.00	608.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/15/23	BANTIOS, EVAGELOS	1.00	121.71	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/18/23	BANTIOS, EVAGELOS	1.50	182.57	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/20/23	BANTIOS, EVAGELOS	2.50	304.28	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1206288	12/26/23	12/21/23	BANTIOS, EVAGELOS	5.00	608.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
			BANTIOS, EVAGELOS Total		7,606.91				
1050210	11/28/23	11/27/23	POUSHO, ROBERT	4.00	236.48	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	11/28/23	11/28/23	POUSHO, ROBERT	8.00	472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	11/28/23	11/30/23	POUSHO, ROBERT	8.00	472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	12/12/23	12/05/23	POUSHO, ROBERT	8.00	472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	12/12/23	12/07/23	POUSHO, ROBERT	8.00	472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	12/12/23	12/12/23	POUSHO, ROBERT	8.00	472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	12/12/23	12/14/23	POUSHO, ROBERT	8.00	472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	12/26/23	12/19/23	POUSHO, ROBERT	8.00	472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	12/26/23	12/21/23	POUSHO, ROBERT	8.00	472.96	REGULAR	WRCCON	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		4,020.16				
1131289	11/22/23	11/06/23	PUSCAS, JACK J	1.00	86.78	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	11/22/23	11/08/23	PUSCAS, JACK J	1.00	86.78	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	11/22/23	11/14/23	PUSCAS, JACK J	1.00	86.78	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	11/22/23	11/14/23	PUSCAS, JACK J	1.00	86.78	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	11/22/23	11/15/23	PUSCAS, JACK J	2.00	173.56	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	11/22/23	11/16/23	PUSCAS, JACK J	2.00	173.56	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	12/06/23	11/27/23	PUSCAS, JACK J	2.50	216.95	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	12/20/23	12/04/23	PUSCAS, JACK J	1.00	86.78	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	12/20/23	12/07/23	PUSCAS, JACK J	1.00	86.78	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	12/20/23	12/11/23	PUSCAS, JACK J	3.00	260.34	REGULAR	WRCADM	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		1,345.09				
			Grand Total		12,972.16				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 11/18/2023 - 12/29/2023									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1206288	11/27/23	11/03/23	BANTIOS, EVAGELOS	0.50	0.13	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	11/27/23	11/03/23	BANTIOS, EVAGELOS	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	11/27/23	11/03/23	BANTIOS, EVAGELOS	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	11/27/23	11/06/23	BANTIOS, EVAGELOS	0.50	0.13	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	11/27/23	11/06/23	BANTIOS, EVAGELOS	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	11/27/23	11/06/23	BANTIOS, EVAGELOS	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	11/27/23	11/09/23	BANTIOS, EVAGELOS	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	11/27/23	11/09/23	BANTIOS, EVAGELOS	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	11/27/23	11/09/23	BANTIOS, EVAGELOS	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	11/27/23	11/13/23	BANTIOS, EVAGELOS	6.00	1.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	11/27/23	11/13/23	BANTIOS, EVAGELOS	6.00	2.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	11/27/23	11/13/23	BANTIOS, EVAGELOS	6.00	14.04	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	11/27/23	11/14/23	BANTIOS, EVAGELOS	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	11/27/23	11/14/23	BANTIOS, EVAGELOS	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	11/27/23	11/14/23	BANTIOS, EVAGELOS	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	11/27/23	11/15/23	BANTIOS, EVAGELOS	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	11/27/23	11/15/23	BANTIOS, EVAGELOS	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	11/27/23	11/15/23	BANTIOS, EVAGELOS	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	11/27/23	11/16/23	BANTIOS, EVAGELOS	5.50	1.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	11/27/23	11/16/23	BANTIOS, EVAGELOS	5.50	2.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	11/27/23	11/16/23	BANTIOS, EVAGELOS	5.50	12.87	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	11/27/23	BANTIOS, EVAGELOS	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	11/27/23	BANTIOS, EVAGELOS	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	11/27/23	BANTIOS, EVAGELOS	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	11/28/23	BANTIOS, EVAGELOS	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	11/28/23	BANTIOS, EVAGELOS	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	11/28/23	BANTIOS, EVAGELOS	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	11/30/23	BANTIOS, EVAGELOS	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	11/30/23	BANTIOS, EVAGELOS	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	11/30/23	BANTIOS, EVAGELOS	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/05/23	BANTIOS, EVAGELOS	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/05/23	BANTIOS, EVAGELOS	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/05/23	BANTIOS, EVAGELOS	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/06/23	BANTIOS, EVAGELOS	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/06/23	BANTIOS, EVAGELOS	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/06/23	BANTIOS, EVAGELOS	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/07/23	BANTIOS, EVAGELOS	8.00	2.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/07/23	BANTIOS, EVAGELOS	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/07/23	BANTIOS, EVAGELOS	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/08/23	BANTIOS, EVAGELOS	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/08/23	BANTIOS, EVAGELOS	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/08/23	BANTIOS, EVAGELOS	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/11/23	BANTIOS, EVAGELOS	5.00	1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/11/23	BANTIOS, EVAGELOS	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/11/23	BANTIOS, EVAGELOS	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/12/23	BANTIOS, EVAGELOS	3.50	0.88	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/12/23	BANTIOS, EVAGELOS	3.50	1.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/12/23	BANTIOS, EVAGELOS	3.50	8.19	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/14/23	BANTIOS, EVAGELOS	5.00	1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/14/23	BANTIOS, EVAGELOS	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/14/23	BANTIOS, EVAGELOS	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/15/23	BANTIOS, EVAGELOS	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/15/23	BANTIOS, EVAGELOS	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/15/23	BANTIOS, EVAGELOS	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/18/23	BANTIOS, EVAGELOS	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/18/23	BANTIOS, EVAGELOS	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/18/23	BANTIOS, EVAGELOS	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/20/23	BANTIOS, EVAGELOS	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/20/23	BANTIOS, EVAGELOS	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/20/23	BANTIOS, EVAGELOS	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1206288	12/26/23	12/21/23	BANTIOS, EVAGELOS	5.00	1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1206288	12/26/23	12/21/23	BANTIOS, EVAGELOS	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1206288	12/26/23	12/21/23	BANTIOS, EVAGELOS	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			BANTIOS, EVAGELOS Total		186.91				
1050210	11/28/23	11/27/23	POUSHO, ROBERT	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	11/28/23	11/27/23	POUSHO, ROBERT	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	11/28/23	11/28/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	11/28/23	11/28/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	11/28/23	11/30/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	11/28/23	11/30/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	12/12/23	12/05/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	12/12/23	12/05/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	12/12/23	12/07/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	12/12/23	12/07/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	12/12/23	12/12/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	12/12/23	12/12/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION

1050210	12/12/23	12/14/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	12/12/23	12/14/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	12/26/23	12/19/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	12/26/23	12/19/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	12/26/23	12/21/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	12/26/23	12/21/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		186.32				
1131289	11/22/23	11/06/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/22/23	11/06/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/22/23	11/08/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/22/23	11/08/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/22/23	11/14/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/22/23	11/14/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/22/23	11/14/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/22/23	11/14/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/22/23	11/15/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/22/23	11/15/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/22/23	11/16/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/22/23	11/16/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	12/06/23	11/27/23	PUSCAS, JACK J	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	12/06/23	11/27/23	PUSCAS, JACK J	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	12/20/23	12/04/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	12/20/23	12/04/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	12/20/23	12/07/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	12/20/23	12/07/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	12/20/23	12/11/23	PUSCAS, JACK J	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	12/20/23	12/11/23	PUSCAS, JACK J	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		42.47				
			Grand Total		415.70				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 11/18/2023 - 12/29/2023									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1211337	12/26/23	12/19/23	BANTIOS, EVAGELOS	1.00	121.71	REGULAR	WRCCON	PRJ-13308	ENGINEERING
			BANTIOS, EVAGELOS Total		121.71				
1208707	11/21/23	11/9/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/23	11/13/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/23	11/14/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/23	11/15/23	COOK, JENNIFER	4.00	429.36	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/23	11/16/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/23	11/17/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/6/23	11/20/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/6/23	11/21/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/6/23	11/27/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/6/23	11/28/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/6/23	11/29/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/6/23	11/30/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/6/23	12/1/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/4/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/5/23	COOK, JENNIFER	6.00	644.04	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/6/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/7/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/8/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/11/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/12/23	COOK, JENNIFER	1.00	107.34	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/13/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	12/19/23	12/14/23	COOK, JENNIFER	2.00	214.68	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		4,400.94				
1094816	11/29/23	11/20/23	PARROTT, JEFFREY	2.00	176.62	REGULAR	WRCROW	PRJ-13308	ROW
1094816	11/29/23	11/30/23	PARROTT, JEFFREY	2.00	176.62	REGULAR	WRCROW	PRJ-13308	ROW
1094816	12/13/23	12/12/23	PARROTT, JEFFREY	2.00	176.62	REGULAR	WRCROW	PRJ-13308	ROW
			PARROTT, JEFFREY Total		529.86				
1131284	11/22/23	11/7/23	PUSCAS, JACK J	2.00	173.56	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	11/22/23	11/8/23	PUSCAS, JACK J	1.00	86.78	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	11/22/23	11/14/23	PUSCAS, JACK J	2.00	173.56	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	12/6/23	11/21/23	PUSCAS, JACK J	2.00	173.56	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	12/6/23	11/28/23	PUSCAS, JACK J	2.00	173.56	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	12/20/23	12/5/23	PUSCAS, JACK J	2.00	173.56	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	12/20/23	12/12/23	PUSCAS, JACK J	1.00	86.78	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		1,041.36				
			Grand Total		6,093.87				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 11/18/2023 - 12/29/2023									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1211337	12/26/23	12/19/23	BANTIOS, EVAGELOS	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1211337	12/26/23	12/19/23	BANTIOS, EVAGELOS	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1211337	12/26/23	12/19/23	BANTIOS, EVAGELOS	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			BANTIOS, EVAGELOS Total		2.99				
1208707	11/21/23	11/9/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	11/21/23	11/9/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	11/21/23	11/13/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	11/21/23	11/13/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	11/21/23	11/14/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	11/21/23	11/14/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	11/21/23	11/15/23	COOK, JENNIFER	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	11/21/23	11/15/23	COOK, JENNIFER	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	11/21/23	11/16/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	11/21/23	11/16/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	11/21/23	11/17/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	11/21/23	11/17/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/6/23	11/20/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/6/23	11/20/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/6/23	11/21/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/6/23	11/21/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/6/23	11/27/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/6/23	11/27/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/6/23	11/28/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/6/23	11/28/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/6/23	11/29/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/6/23	11/29/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/6/23	11/30/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/6/23	11/30/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/6/23	12/1/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/6/23	12/1/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/4/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/4/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/5/23	COOK, JENNIFER	6.00	2.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/5/23	COOK, JENNIFER	6.00	14.04	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/6/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/6/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/7/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/7/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/8/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/8/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/11/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/11/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/12/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/12/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/13/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/13/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1208707	12/19/23	12/14/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1208707	12/19/23	12/14/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		112.34				
1094816	11/29/23	11/20/23	PARROTT, JEFFREY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	11/29/23	11/20/23	PARROTT, JEFFREY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	11/29/23	11/20/23	PARROTT, JEFFREY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ROW
1094816	11/29/23	11/30/23	PARROTT, JEFFREY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	11/29/23	11/30/23	PARROTT, JEFFREY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	11/29/23	11/30/23	PARROTT, JEFFREY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ROW
1094816	12/13/23	12/12/23	PARROTT, JEFFREY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	12/13/23	12/12/23	PARROTT, JEFFREY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	12/13/23	12/12/23	PARROTT, JEFFREY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ROW
			PARROTT, JEFFREY Total		17.94				
1131284	11/22/23	11/7/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	11/22/23	11/7/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	11/22/23	11/8/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	11/22/23	11/8/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	11/22/23	11/14/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	11/22/23	11/14/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	12/6/23	11/21/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	12/6/23	11/21/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	12/6/23	11/28/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	12/6/23	11/28/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	12/20/23	12/5/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	12/20/23	12/5/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	12/20/23	12/12/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	12/20/23	12/12/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		32.88				
			Grand Total		166.15				



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS SURVEYORS ARCHITECTS
 51301 SCHOENHERR RD. SHELBY TOWNSHIP, MI 48315
 www.aewinc.com p(586)726-1234

INVOICE

December 7, 2023
 Project No: 0255-0026-0
 Invoice No: 147744

OAKLAND COUNTY WRC
 JEFF PARROTT, SUPERVISOR RIGHT OF WAY
 ONE PUBLIC WORKS DRIVE
 WATERFORD, MI 48328

Project 0255-0026-0 OMIDDD EASEMENT REVISIONS

Professional Services from October 23, 2023 to November 19, 2023

Professional Personnel

	Hours	Rate	Amount	
BOUNDARY				
SENIOR PROJECT SURVEYOR	5.50	146.00	803.00	
EASEMENTS				
TEAM LEADER	.30	108.00	32.40	
ENGINEERING AIDE III	4.50	82.00	369.00	
SENIOR PROJECT SURVEYOR	1.00	146.00	146.00	
CONTRACT ADMINISTRATION				
SENIOR PROJECT ENGINEER	3.00	146.00	438.00	
Totals	14.30		1,788.40	
Total Labor				1,788.40
				Total this Invoice
				\$1,788.40

OMID Maintenance -
 City of Utica Pathway
 Easement Revisions

Contract: WDCON9163
 Speedtype: 61M8291248
 Fund: FND82912
 Program: PRG149139
 Account: SC730373

Approved 12/13/2023

JL 1/9/2024



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS SURVEYORS ARCHITECTS
 51301 SCHOENHERR RD. SHELBY TOWNSHIP, MI 48315
 www.aewinc.com p(586)726-1234

INVOICE

January 3, 2024
 Project No: 0255-0026-0
 Invoice No: 147844

OAKLAND COUNTY WRC
 JEFF PARROTT, SUPERVISOR RIGHT OF WAY
 ONE PUBLIC WORKS DRIVE
 WATERFORD, MI 48328

Project 0255-0026-0 OMIDDD EASEMENT REVISIONS

Contract: 6455
 Speedtype: 61M8291248
 Fund: 82912
 Program: 149139
 Account: 730373

Jd Ben 1/9/2024

Professional Services from November 20, 2023 to December 17, 2023

Professional Personnel

	Hours	Rate	Amount
EASEMENTS			
TEAM LEADER			
ALLEGOET, JEFFREY	.20	108.00	21.60
review easement			
ENGINEERING AIDE III			
RICKARD, EMILY	1.00	82.00	82.00
Easement			
SOPCZYNSKI, MICHAEL	1.00	82.00	82.00
Created OMID Access Easement			
SENIOR PROJECT SURVEYOR			
KEHRER, SCOTT	2.50	146.00	365.00
Research parcels and move easement POB to west line of Hahn Street.			
KEHRER, SCOTT	1.50	146.00	219.00
Revise easement and error check.			
CONTRACT ADMINISTRATION			
SENIOR PROJECT ENGINEER			
URBAN, LOUIS	.50	146.00	73.00
revisions meeting with Amey and Parrott			
Totals	6.70		842.60
Total Labor			842.60
		Total this Invoice	\$842.60

Outstanding Invoices

Number	Date	Balance
147744	12/7/2023	1,788.40
Total		1,788.40



Applied Science, Inc.

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

January 8, 2024

Project Invoice # 58 (ASI Inv. 8578)

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

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

Invoice Period: 11/26/23 - 12/30/23

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

li#4133 v#352

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

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

Task No.	Task Description	Total This Invoice
5	Construction Services	
	Total:	\$ 19,077.00
	Subconsultants:	
	NTH Consultants	\$ 21,717.03
	Metco Services	\$ 11,040.00
	FK Engineering:	\$ 3,640.00
	ASI Markup 5%:	\$ 1,819.85
	Direct Expenses:	\$ -
	Total Due This Invoice:	<u>\$ 57,293.88</u>
	Previous Amount Invoiced:	

84917-149015-730639-1-3309-engcon

1/9/2024

Task No.	Task Description	Total This Invoice
6	Control Structure Rehab	
	Total:	\$ 4,622.50
	Subconsultants:	
	NTH Consultants	\$ 187.08
	ASI Markup 5%:	\$ 9.35
	Direct Expenses:	\$ -
	Total Due This Invoice:	<u>\$ 4,818.93</u>

82912-149667-730639-PRJ-17060 engcon

1/9/2024

Summary		
Total Due This Invoice-All Tasks:		\$ 62,112.82
Previous Amount Invoiced:		\$ 960,201.17
Amount Invoiced for MCC Incident (separate invoice):		\$ -
Amount Invoiced for Pump Issues (separate invoice):		\$ 5,717.00
Total Invoiced To-Date		\$ 1,028,030.99
Original Contract Task Total:		\$ 4,198,380.00
Additional Budget-Task 5:		\$ 284,076.60
Additional Budget-Task 5a:		\$ 1,513,301.00
Additional Budget-Task 6:		\$ 220,326.00
Current Contract Task Total:		\$ 6,216,083.60
Amount Remaining:		<u>\$ 5,188,052.61</u>



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

WO 982

Bill To

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

**82912 - 6010101 -149090- 730660 -
5817 - Ch. 21- V#15750 li#44348 exp.**

J. Ben

1/9/2024

Invoice 2433	Nov 29, 2023
Job Number	23-530
Payment Terms	Net 30
Total Due	\$2,442.90
Due Date	Dec 29, 2023

CUSTOMER NAME
OMIDD

PROPERTY NAME
OMIDD

PROPERTY ADDRESS
OMIDD, 11010 E. State Fair St.
Detroit, MI ~~48234~~

AUTHORIZED BY

CUSTOMER WO

NTE

Invoice Summary

MSA Annual Calibration Services 8/4/2023 \$1,995.00
Straight Time Hours = 216.00
Sub-Contracted Profit 10% = 199.50
Overhead and Profit 15% = 32.40

Total = \$2,442.90

Item Name	Description	Quantity	Unit Price	Price Subtotal
Quoted Job	Quoted Job - MSA Annual Calibration Services 8/4/2023	1	\$2,442.90	\$2,442.90
		1		\$2,442.90
			Subtotal	\$2,442.90
			Taxable Subtotal	\$0.00
			Sales Tax Rate	0%
			Tax Amount	\$0.00
			Total	\$2,442.90

TM - 12-12-23



WO 1079

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

**82912 - 6010101 -149090- 730660 -
5817 - Ch. 21- V#15750 li#44348 exp.**

1/9/2024

Invoice 2435	Nov 29, 2023
Job Number	1340
PO Number	MSA PO # 23-530-01
Payment Terms	Net 30
Total Due	\$3,147.00
Due Date	Dec 29, 2023

CUSTOMER NAME
OMIDD

PROPERTY NAME
OMID Detroit

PROPERTY ADDRESS
100010 East State Fair Avenue
Detroit, MI 48203

AUTHORIZED BY

CUSTOMER WO

NTE

Invoice Summary

MSA Panel PM Service 11/16/2023 = \$2,631.00
Straight Time Hours = \$220.00
Subcontract Profit = \$263.10
Overhead and Profit = \$33.00

Total = \$3,147.10

Item Name	Description	Quantity	Unit Price	Price Subtotal
Quoted Job	Quoted Job	1	\$3,147.00	\$3,147.00
		1		\$3,147.00

Subtotal	\$3,147.00
Taxable Subtotal	\$0.00
Sales Tax Rate	0%
Tax Amount	\$0.00
Total	\$3,147.00

TM-12-12-23

Invoice



Jacobs Consultants, Inc.

Invoice No.: C6A19900-12
 Invoice Date: 12/8/2023
 Jacobs Project No.: C6A19900
 Services From: 6/23/2023
 Services Through: 10/18/2023

Oakland-Macomb Interceptor Drain Drainage District
 c/o Oakland County Water Resources Commissioner's Office
 One Public Works Drive
 Bldg. 95 West
 Waterford, Michigan 48328

82912 - 149667- 730639 -1-17059- ENGCONSULT

Attn: Mr. Joel Brown, P.E.
 Project Description: OMID Odor and Corrosion Control Facilities

1/10/2024

Task Number	Task Description	Budget Total	Previously Invoiced	Current Invoice	Project to Date	Remaining Budget
Task 1	Additional Investigation/Modeling	\$ 226,151.90	\$ 226,489.81	\$ -	\$ 226,489.81	\$ (337.91)
Task 2	Basis of Design	\$ 122,605.02	\$ 122,303.64		\$ 122,303.64	\$ 301.38
Task 3	ST-S-3 Vapor-Phase Treatment System - Subtask 3.1 - Design	\$ 276,371.04	\$ 272,010.88	\$ 4,356.95	\$ 276,367.83	\$ 3.21
	ST-S-3 Vapor-Phase Treatment System - Subtask 3.2 - Bidding	\$ 17,154.74	\$ -	\$ -	\$ -	\$ 17,154.74
Task 4	CS-6 Pump Station Vapor-Phase System - Subtask 4.1 - Design	\$ 191,218.29	\$ 96,755.18	\$ -	\$ 96,755.18	\$ 94,463.11
	CS-6 Pump Station - Vapor-Phase System Subtask 4.2 - Bidding	\$ 15,612.91	\$ -	\$ -	\$ -	\$ 15,612.91
Task 5	CS-8 and ST-S-1 Local Odor Control - Subtask 5.1 - Design	\$ 80,199.91	\$ 79,207.97	\$ 986.07	\$ 80,194.04	\$ 5.87
	CS-8 and ST-S-1 Local Odor Control - Subtask 5.2 - Bidding	\$ 12,829.09	\$ -	\$ -	\$ -	\$ 12,829.09
Task 6	Design Emergency Relief Valves for CS-9 High Pressures	\$ 21,081.00	\$ 21,071.61	\$ -	\$ 21,071.61	\$ 9.39
	Total	\$ 963,223.90	\$ 817,839.09	\$ 5,343.02	\$ 823,182.11	\$ 140,041.78

Previously Invoiced \$817,839.09
Total This Invoice: \$5,343.02
Total Invoiced To Date: \$823,182.11
Budget Amount: \$963,223.90
Remaining Amount USD: \$140,041.78

Outstanding Invoices					
Date	Invoice No.	Invoiced Amount	Paid Date	Paid Amount	Amount Outstanding
11/3/2023	C6A19900-11	\$ 42,151.29			\$ 42,151.29

Signed 

 Jason Matteo
 Project Manager

Please remit payment electronically to:
 Beneficiary Bank: Bank of America
 Account Name: Jacobs Consultants, Inc.
 Transit for ACH: 111000012
 Transit for Wires: 026009593
 Account No (USD): 4451457732



INNOVATE
SOLVE
MONITOR
REPAIR

INVOICE		
DATE	NUMBER	PAGE
12/7/2023	639679	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**

1/10/2024

ATTENTION:

DARRIN GREEN 586-214-5877 DBGreen@metcoservices.com

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
	0122925	GREAT LAKES WATER AUTHORITY, NEPS, FIELD SERVICE, SANITARY	SAH/CAG	FIELD SERVICE	NET 60
QUANTITY		DESCRIPTION	UNIT PRICE	EXTENDED	
B/O	Ship				

0.00	1.00	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (1) FIELD SERVICE TECHNICIAN(S) ONSITE ON 12-02-2023. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$1,429.50	\$1,429.50
------	------	---	------------	------------

TOTAL REFLECTS THE BELOW:

(4.5) HOURS OF LABOR
MILEAGE: \$66.00
FUEL SURCHARGE: \$49.50

TM-1-4-24

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:	\$1,429.50
	TAX:	\$0.00
	TOTAL:	\$1,429.50

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

www.KennedyInd.com



INVOICE NO. 1811-60

DATE: January 2, 2024

METCO PROJECT NO. 1811

INVOICE PERIOD: 12/4 thru 12/31/2023

Contract ID 00000000000000000000517

Vendor ID 000020486

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)

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	38.0	\$ 145.00	\$ 5,510.00
Terry Moore	Operations Manager (Overtime)	0.0	\$ 195.00	\$ -
Darrin Green	Staff Engineer	31.0	\$ 90.00	\$ 2,790.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Anthony Vozza	Staff Engineer	60.0	\$ 90.00	\$ 5,400.00
Anthony Vozza	Staff Engineer-(Overtime)	4.0	\$ 135.00	\$ 540.00
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal OMID Operatons:				\$ 14,240.00

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	48.0	\$ 145.00	\$ 6,960.00
Terry Moore	Operations Manager (Overtime)	25.0	\$ 195.00	\$ 4,875.00
Darrin Green	Staff Engineer	49.0	\$ 90.00	\$ 4,410.00
Darrin Green	Staff Engineer-(Overtime)	4.0	\$ 135.00	\$ 540.00
Anthony Vozza	Staff Engineer	0.0	\$ 90.00	\$ -
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Rosana Santos	Administrative Assoc.	2.0	\$ 73.79	\$ 147.58
Subtotal NEPS Operations				\$ 18,652.58
Subtotal Operations				\$ 32,892.58

Maintenance & Asset Management

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

Name	Title	Hrs.	Rate/Hr.	Amount
Terry Moore	Operations Manager	40.0	\$ 145.00	\$ 5,800.00
Terry Moore	Operations Manager (Overtime)	0.0	\$ 195.00	\$ -
Anthony Vozza	Staff Engineer	0.0	\$ 90.00	\$ -
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Subtotal OMID Maintenance:				\$ 5,800.00

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	38.0	\$ 145.00	\$ 5,510.00
Terry Moore	Operations Manager (Overtime)	2.0	\$ 195.00	\$ 390.00
Daniel Martel	Sr. Project Coordinator	0.0	\$ 145.00	\$ -

Sean Grant	Sr. Project Engineer	0.0	\$	145.00	\$	-
Travis Ford	Sr. Project Engineer	0.0	\$	145.00	\$	-
Shailesh Patel	Sr. Project Engineer	0.0	\$	145.00	\$	-
Darrin Green	Staff Engineer	40.0	\$	90.00	\$	3,600.00
Darrin Green	Staff Engineer-(Overtime)	4.0	\$	135.00	\$	540.00
Anthony Vozza	Staff Engineer	60.0	\$	90.00	\$	5,400.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Abhishek Shah	Staff Engineer	0.0	\$	90.00	\$	-
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-

Subtotal: \$ 17,160.00
Maintenance Services (see attached invoices): \$ 502.62
Subtotal NEPS Maintenance: \$ 17,662.62

Subtotal Maintenance: \$ 23,462.62

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>		<u>Rate/Hr.</u>		<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$	215.00	\$	-
Terry Moore	Operations Manager	0.0	\$	145.00	\$	-
Terry Moore	Operations Manager (Overtime)	0.0	\$	195.00	\$	-
Sean Grant	Sr. Project Engineer	10.0	\$	145.00	\$	1,450.00
Darrin Green	Staff Engineer	0.0	\$	90.00	\$	-
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Anthony Vozza	Staff Engineer	73.0	\$	90.00	\$	6,570.00
Abhishek Shah	Staff Engineer	0.0	\$	90.00	\$	-
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-

Subtotal Maintenance: \$ 8,020.00

Task 12.0 - As-Needed Services - VFD Pump 4

Raj Vijayendran, PE	Principal Engineer	0.0	\$	215.00	\$	-
Daniel Martel	Sr. Project Coordinator	0.0	\$	145.00	\$	-
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-

Subtotal 12.0: \$ -

Task 12.0 - As-Needed Services - Pump Performance

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>		<u>Rate/Hr.</u>		<u>Amount</u>
Terry Moore	Operations Manager	0.0	\$	145.00	\$	-
Terry Moore	Operations Manager (Overtime)	0.0	\$	195.00	\$	-
Anthony Vozza	Staff Engineer	0.0	\$	90.00	\$	-
Darrin Green	Staff Engineer	0.0	\$	90.00	\$	-
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-

Subtotal 12.0: \$ -

TOTAL AMOUNT DUE THIS INVOICE: \$ 64,375.20

NEXGEN Asset Management

4010 Lennane Drive
 Sacramento, CA 95834

Invoice

Invoice #: 4124
Invoice Date: 12/18/2023
Due Date: 12/18/2023
Terms
P.O. Number:

Bill To:

Oakland Macomb Interceptor DDD
 Joel Brown
 Oakland County Water Resources Commission
 One Public Works Drive, Building 95 West
 Waterford, MI 48328

82912-149662-731458-WDCON8864-V:26393

1/10/2024

Item	Description	Hours/Qty	Rate	Class	Serviced	Amount
NEXGEN AM Cloud	NEXGEN AM Cloud 110 (5 concurrent users, 1 TB Storage, 10 GB/mo data transfer) Jan 1, 2022 - Dec 31 2022		10,500.00	AM		10,500.00
NEXGEN Contractor Po...	NEXGEN Contractor Portal Unlimited Users Jan 1, 2022 - Dec 31 2022		15,000.00	AM		15,000.00T
NEXGEN AM Cloud	NEXGEN AM Cloud 110 (5 concurrent users, 1 TB Storage, 10 GB/mo data transfer) Jan 1, 2023 - Dec 31 2023		11,025.00	AM		11,025.00
NEXGEN Contractor Po...	NEXGEN Contractor Portal Unlimited Users Jan 1, 2023 - Dec 31 2023		15,750.00	AM		15,750.00T
NEXGEN AM Cloud	NEXGEN AM Cloud 110 (5 concurrent users, 1 TB Storage, 10 GB/mo data transfer) Jan 1, 2024 - Dec 31 2024		11,600.00	AM		11,600.00
NEXGEN Contractor Po...	NEXGEN Contractor Portal Unlimited Users Jan 1, 2024 - Dec 31 2024		16,600.00	AM		16,600.00T
	No Sales Tax		0.00%	AM		0.00

Direct Deposit: Bank of America Routing: 122400724 Account: 501027660919
 Send remittances to: vyee@nexgenam.com.

Total \$80,475.00**Payments/Credits** \$0.00**Balance Due** \$80,475.00

Phone #	E-Mail
916.564.8000	vyee@nexgenam.com



**84917-6010101-149015-731458-2603-1-3309-
Ch. 21- v#4716- li#24138**

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

1/10/2024

Invoice # : 634794
Project : 61-200280
Invoice Group : CMT
Invoice Date : 1/3/2023

Attention: Joel Brown, P.E.

For Professional Services Rendered from **11/18/2023 - 12/22/2023**

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

Task 01	CMT Services	\$189,674.00
Task 02	Tnemec Coating Observation	-
	Preliminary Budget Amount	\$189,674.00
	Percent Complete:	86.06%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 112.67	\$ 41,508.88
Overhead %	188.00 211.82	78,036.68
Total Regular Labor Expense	324.49	119,545.56
Total Direct Labor	324.49	119,545.56
Profit / Fixed Fee %	12.00 38.94	14,345.47
Direct Expenses Charge	0.00	22,600.43
Expense Multiplier %	5.00 0.00	1,130.02
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	0.00	29,351.10
Total Costs:	363.43	163,242.13
Total Due This Invoice	\$ 363.43	\$ 163,242.13



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

82912-6010101-149662-731458-2603- CH. 21- v#238-li # 24138

1/10/2024

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

Invoice # : 634795
Project : 61210124
Invoice Group : **
Invoice Date : 1/3/2023

Attention Joel Brown, P.E.

For Professional Services Rendered from 9/23/2023 - 12/22/2023

Consulting Services Regarding 2021 OMID System Inspection

Task 01 Inspection and Reporting \$526,974.00
Preliminary Budget Amount \$526,974.00
Percent Complete: 57.18%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 143.43	\$ 18,480.13
Overhead %	188.00 269.65	34,742.63
Total Regular Labor Expense	413.08	53,222.76
Total Direct Labor	413.08	413.08
Profit / Fixed Fee %	12.00 49.57	6,386.73
Direct Expenses Charge	0.00	855.92
Expense Multiplier %	5.00 0.00	42.82
Direct Subcontractor Charge	0.00	227,206.67
Subcontractor/Subconsultant Multiplier %	6.00 0.00	13,632.40
Direct Unit Rate Charge	0.00	0.00
Total Other Direct Charges Reimbursables	0.00	241,737.81
Total Costs:	462.65	301,347.30
Total Due This Invoice	\$ 462.65	\$ 301,347.30



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

82912-149962-731458-2603-Ch.21-v#4716 li # 24138

Joel Brown

1/10/2024

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

Invoice #: 634811
 Project: 61-210313
 Invoice Group: **
 Invoice Date: 1/4/2024

Attention: Joel Brown, P.E.

For Professional Services Rendered from **11/18/2023** - **12/22/2023**

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

Task 01	Contract 3 NESPS Rehab Closeout	\$9,563.00
Task 02	PCI-4 Liner Deterioration Closeout	\$10,939.00
Task 03	Discharge Pipe Coating Rehabilitation	\$27,930.00
Task 04	NESPS Wet Well Sediment Survey	\$19,639.00
	Preliminary Budget Amount	\$68,071.00
	Percent Complete:	90.23%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 1,401.00	\$ 11,288.11
Overhead %	188.00 2,633.88	21,221.63
Total Regular Labor Expense	4,034.88	32,509.74
Total Direct Labor	4,034.88	32,509.74
Profit / Fixed Fee %	12.00 484.19	3,901.17
Direct Expenses Charge	102.83	263.35
Expense Multiplier %	5.00 5.14	13.16
Direct Subcontractor Charge	0.00	23,555.34
Subcontractor/Subconsultant Multiplier %	5.00 0.00	1,177.79
Total Other Direct Charges Reimbursables	107.97	25,009.64
Total Costs:	4,627.04	61,420.55
Total Due This Invoice	\$ 4,627.04	\$ 61,420.55



84917-6010101-149015-731444-2603-1-3308- CH. 21- v#4716 li #24138

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

1/10/2023

Invoice # : 634812
 Project : 61-200186
 Invoice Group : **
 Invoice Date : 1/4/2023

Attention: Joel Brown, P.E.

For Professional Services Rendered from 11/18/2023 - 12/22/2023

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

Task 01	NI-EA OMID Contract No. 1 CCA	\$2,759,494.00
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	<u>\$2,976,962.00</u>
	Percent Complete:	99.64%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 19,560.07	\$ 699,015.17
Overhead %	188.00	36,772.93	1,314,148.54
Total Regular Labor Expense		<u>56,333.00</u>	<u>2,013,163.71</u>
Total Direct Labor		56,333.00	2,013,163.71
Profit / Fixed Fee %	12.00	6,759.96	241,579.65
Direct Expenses Charge		2,212.99	63,664.92
Expense Multiplier %	5.00	110.65	3,183.25
Direct Subcontractor Charge		5,124.70	608,202.74
Subcontractor/Subconsultant Multiplier %	6.00	307.49	36,492.26
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		<u>7,755.83</u>	<u>711,543.16</u>
Total Costs:		<u>70,848.79</u>	<u>2,966,286.52</u>
Total Due This Invoice		\$ 70,848.79	\$ 2,966,286.52



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

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

Jed Brun

1/10/24

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

Invoice # : 634815
 Project : 23001693
 Invoice Group : **
 Invoice Date : 1/4/2024

Attention: Jen Cook, P.E.

For Professional Services Rendered from 11/18/2023 - 12/22/2023

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: 15.40%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 11,580.43	\$ 51,383.91
Overhead %	188.00 21,771.21	96,601.76
Total Regular Labor Expense	33,351.64	147,985.67
Total Direct Labor	33,351.64	147,985.67
Profit / Fixed Fee %	12.00 4,002.20	17,758.28
Direct Expenses Charge	325.39	24,570.04
Expense Multiplier %	5.00 16.27	1,228.49
Direct Subcontractor Charge	50,101.90	96,306.34
Subcontractor/Subconsultant Multiplier %	6.00 3,006.12	5,778.40
Total Other Direct Charges Reimbursables	53,449.68	127,883.27
Total Costs:	90,803.52	293,627.22
Total Due This Invoice	\$ 90,803.52	\$ 293,627.22



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

JL Ben

1/10/2024

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

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

INVOICE 85506232	INVOICE DATE Dec 11, 2023
----------------------------	-------------------------------------

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

Completed Date: 12/11/2023
Payment Term: NET 30
Due Date: 1/10/2024

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

SUB-TOTAL \$350.00

TOTAL DUE \$350.00

BALANCE DUE \$350.00

Thank you for choosing PM Technologies

12-12-23



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

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

1/10/24

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

INVOICE 85510825	INVOICE DATE Dec 11, 2023
----------------------------	-------------------------------------

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

Completed Date: 12/11/2023
Payment Term: NET 30
Due Date: 1/10/2024

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

SUB-TOTAL \$350.00

TOTAL DUE \$350.00

BALANCE DUE \$350.00

Thank you for choosing PM Technologies

TM-12-12-23



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

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

1/10/2024

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

INVOICE 85513225	INVOICE DATE Dec 11, 2023
----------------------------	-------------------------------------

JOB ADDRESS

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

Completed Date: 12/11/2023
Payment Term: NET 30
Due Date: 1/10/2024

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

SUB-TOTAL \$350.00

TOTAL DUE \$350.00

BALANCE DUE \$350.00

Thank you for choosing PM Technologies

TM-12-12-23



Rotor Electric Company of Michigan, LLC.

9522 GRINNELL
DETROIT, MI 48213-1151
PHONE (313) 891-0331 FAX (313) 921-5310
"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	9/29/2023	1/4/2024	12717

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billing	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,664.75	-	\$2,664.75	\$2,664.75	-	-
Totals:		\$2,664.75		\$2,664.75	\$2,664.75		
Less Retained:				-			
Invoice Total:				\$2,664.75			

WO 1112
DTE T4 XFMR SHUTDOWN SUPPORT

82912 - 6010101 - 149090- 730660 - 5807- Ch. 21 - v# 22125-
li#42614 - exp. 6/25/25

1/10/2024

TM-1-4-24

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."



Rotor Electric Company of Michigan, LLC.

9522 GRINNELL
DETROIT, MI 48213-1151
PHONE (313) 891-0331 FAX (313) 921-5310
"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	10/31/2023	1/4/2024	12718

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	\$1,519.50	-	\$1,519.50	\$1,519.50	-	-
Totals:		\$1,519.50		\$1,519.50	\$1,519.50		
Less Retained:				-			
Invoice Total:				\$1,519.50			

WO 1080

10/31/23 BATTERY CHARGER E-CALL

**82912 - 6010101 - 149090- 730660 - 5807- Ch. 21 - v# 22125-
li#42614 - exp. 6/25/25**

1/10/2024

TM-1-4-24

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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	11/10/2023	1/4/2024	12719

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	\$3,627.25	-	\$3,627.25	\$3,627.25	-	-
	Totals:	\$3,627.25		\$3,627.25	\$3,627.25		
	Less Retained:			-			
	Invoice Total:			\$3,627.25			

WO 1045
11/23 P2 AND P6 MOTOR MAINTENANCE

82912 - 6010101 - 149090- 730660 - 5807- Ch. 21 - v# 22125- li#42614 - exp. 6/25/25

Joel Brown

1/10/2024

TMM-1-4-24

complete electrical construction

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Agenda Item No. 11

Other Business

Agenda Item No. 12

Adjourn