

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

June 21, 2023 – 11:30 a.m.

The Northeast Sewage Pumping Station,
11001 E. State Fair St., Detroit, 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 June 21, 2023
3. Motion to approve the Drainage District Board Meeting Minutes from May 17, 2023
4. Public Comment
5. Meadowbrook Insurance Group NESP/NI-EA Property and Pollution Insurance Renewal
6. Motion to approve the following Engineering Work Orders:
 - a) NTH for NI-EA Contract 2: PCI-18 and PCI-19 Rehabilitation Project Construction Contract Administration Services to increase contract #2603 by a not-to-exceed amount of \$1,873,563 and extend contract #2603 for an additional two years
 - b) NTH for Additional NESPS Maintenance Engineering Support Services for the CS-6 Emergency Bypass System to increase contract #2603 by a not-to-exceed amount of \$15,146 to complete design documents and required easement coordination
 - c) NTH for NI-EA Contract 1: PCI-4 Rehabilitation Project Additional Construction Contract Administration Services to increase contract # 2603 by a not-to-exceed amount of \$493,647 for additional CCA services due to construction delay
7. Motion to approve the following Change Orders:
 - a) Doetsch Industrial Services Change Order No. 6 for Construction of the OMID Immediate Repairs for a net decrease in the amount of \$246,220.30
 - b) Walsh Construction Change Order No. 33 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$6,874.36
8. Motion to approve the following Construction Estimates:
 - a) Final Construction Estimate for Doetsch Environmental Services for Localized Rehabilitation & Spot Repairs for PCI-5, 6, 7, 8, 9, 10A/B & 11A in the amount of \$79,086.00 with a reserve payment to the contractor in the amount of \$79,453.30

- b) Construction Estimate No. 32 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$ 304,953.84 with a transfer to the Oakland County Treasurer in the amount of \$66,886.71
- c) Construction Estimate No. 27 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$403,747.56

9. Status of OMID Repairs Project

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

11. Motion to approve the following invoices:

1) Labor/Fringes/Non-Direct Labor Factor		
• Segment 5 NI-EA Construction		\$ 4,110.07
• Segment 5 NESPS Mech./Elect. Construction		\$ 15,627.30
2) Equipment Charges		
• Segment 5 NI-EA Construction		\$ 98.81
• Segment 5 NESPS Mech./Elect. Construction		\$ 662.00
b) Clark Hill		
1) Invoice No. 1314150	NI-EA	\$ 3,078.00
2) Invoice No. 1314069	O&M	\$ 586.50
c) CSM		
1) Invoice No. 23-185.1	O&M	\$ 27,805.20
2) Invoice No. 23-277	O&M	\$ 3,820.00
d) Meadowbrook Insurance		
Invoice No. 12290	O&M	\$ 125,000.00
e) Metco		
Invoice No. 1811-53	O&M	\$ 61,851.31
f) NTH Consultants, Ltd		
1) Contract No. 1 PCI-4		
Invoice No. 632998	NI-EA	\$ 114,579.76
2) Engineering Design Services Rehabilitation of NI-EA Sections PCI-4		
Invoice No. 632999	NI-EA	\$ 8,848.66
3) Consulting Services 2021 OMID System Inspection		
Invoice No. 633000	O&M	\$ 6,375.38
4) Rehabilitation Program 2021 Closeout Services		
Invoice No. 633001	O&M	\$ 2,822.30
g) PM Technologies		
1) Invoice No. 80929225	O&M	\$ 527.50
2) Invoice No. 80992945	O&M	\$ 527.50
m) PMA Consultants		
Invoice No. 03559.01-35	O&M	\$ 20,495.95

12. Other Business

13. Adjourn

Next Regular Meeting: July 19, 2023, at 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from May 17, 2023

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

May 17, 2023

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held at the office of the Oakland County Water Resources Commissioner, One Public Works Drive, Building 95 West, Waterford, Michigan on the 17th day of May at 11:30 a.m. Eastern Standard Time and via Microsoft Teams.

PRESENT:

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

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker and Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Steve Korth, Sid Lockhart, Joel Brown, Jen Cook, Evans Bantios, Megan Koss, and Stephanie Lajdziak. Others in attendance: Fritz Klingler, FK Engineering; Terry Moore, Metco; Jeff Ragle and Shawn Phelps, OC Fiscal Services; Michelle Kitzinger, NTH Consultants; Joe Colaianne, Clark Hill; John Michalski, ASI.

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:32 a.m.

2. Agenda.

Motion by Vaara, supported by Miller, to approve the May 17, 2023, agenda as presented.

ADOPTED: Yeas - 3
Nays - 0

3. Minutes.

Motion by Vaara, supported by Miller, to approve the minutes of the April 19, 2023, meeting.

ADOPTED: Yeas - 3
Nays - 0

4. Public Comment.

None.

5. Revised Cost Share Agreement (OMIDDD and GLWA regarding Contract 2)

Joe Colaianne with Clark Hill presented the Board with the revised cost share agreement regarding the PCI-18 and PCI-19 rehabilitation project with GLWA. He noted that GLWA came back with a not-to-exceed amount of \$4.5 million. The agreement states that the \$4.5 million will be separated into 4 separate installments at a set schedule. Mr. Colaianne recommended approval of the revised agreement between the Drainage District and GLWA.

Motion by Miller, supported by Vaara, to approve the revised Cost Share Agreement in substantial form and substance, as presented by counsel, and authorize the Chairperson to execute the same on behalf of the Drainage District.

ADOPTED: Yeas - 3
Nays - 0

6. Engineering Work Orders

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

- a) ASI for Additional CCA Services on the NESPS Pumping and Electrical Upgrades Project to increase contract #5470 by a not to exceed amount of \$1,513,301 due to construction delay and extend the contract for another 18 months to December 26, 2024. Motion by Miller, supported by Vaara, to approve Engineering Work Order No.6 as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) PMA Consultants for Additional Scheduling Support Services on the NESPS Pumping and Electrical Upgrade project and NI-EA Rehabilitation projects for a not-to-exceed amount of \$430,000 and extend the contract until November 29, 2025. Motion by Vaara, supported by Miller, to approve Engineering Work Order No. 1 as presented.

ADOPTED: Yeas - 3
Nays - 0

7. Change Orders.

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

- a) Doetsch Industrial Services Change Order No. 5 for Construction of the OMID Immediate Repairs for a net increase in the amount of \$8,020.00. Motion by Vaara, supported by Miller, to approve the Change Order as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Walsh Construction Change Order No. 32 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$1,337,734.33. Motion by Miller, supported by Vaara, to approve the Change Order as presented.

ADOPTED: Yeas - 3
Nays - 0

- c) D'Angelo Bros. Change Order No. 2 for the NESPS Watermain Upgrades Project for a net increase in the amount of \$210,124.00. Motion by Vaara, supported by Miller, to approve the Change Order as presented.

ADOPTED: Yeas - 3
 Nays - 0

8. Construction Pay Estimates.

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

- a) Construction Estimate No. 31 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$546,960.20. Motion by Vaara, supported by Miller, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
 Nays - 0

- b) Construction Estimate No. 26 for Marra Services for NI-EA Contract No. One for PCI-4 Rehabilitation in the amount of \$717,414.03. Motion by Miller, supported by Vaara, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
 Nays - 0

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

Fritz Klingler of FK Engineering presented the Project Progress Update to the Board and summarized the status of various projects. Motion by Vaara, supported by Miller, to receive and file the report and summary.

ADOPTED: Yeas - 3
 Nays - 0

10. Financial Reports.

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

ADOPTED: Yeas - 3
 Nays - 0

11. Invoices.

The following invoices were submitted to the Board for approval:

- 1) Labor/Fringes/Non-Direct Labor Factor
 - Segment 5 NI-EA Construction \$ 4,472.39
 - Segment 5 NESPS Mech./Elect. Construction \$ 9,579.63
- 2) Equipment Charges
 - Segment 5 NI-EA Construction \$ 126.58
 - Segment 5 NESPS Mech./Elect. Construction \$ 383.63

- b) ASI

1) Invoice No. 8421-50	NESPS	\$	64,847.68
	O&M	\$	1,361.00
2) Invoice No. 8421-50a	O&M	\$	27,231.86
c) Clark Hill			
Invoice No. 1301636	NI-EA	\$	675.00
d) CSM			
1) Invoice No. 22OMIDDD-001	O&M	\$	2,160.00
2) Invoice No. 23-275	O&M	\$	853.50
e) Hesco			
Invoice No. 231450	O&M	\$	2,602.50
f) Jacobs			
Invoice No. C6A19900-08	O&M	\$	88,487.69
g) Kennedy Industries			
1) Invoice No. 636166	O&M	\$	3,467.44
2) Invoice No. 635464	O&M	\$	1,639.00
3) Invoice No. 635928	O&M	\$	431.00
4) Invoice No. 636006	O&M	\$	909.00
h) Kone			
Invoice No. 962443836	O&M	\$	730.08
i) Metco			
1) Invoice No. 1811-51	O&M	\$	94,613.68
2) Invoice No. 1811-52	O&M	\$	80,698.58
j) Motor City Electric Technologies Inc.			
1) Invoice No. 95127	O&M	\$	90.00
2) Invoice No. 95128	O&M	\$	342.00
3) Invoice No. 95129	O&M	\$	180.00
k) NTH Consultants, Ltd			
1) Engineering Design Services Rehabilitation of NI-EA Sections PCI-4			
Invoice No. 632668	NI-EA	\$	13,437.85
2) Contract No. 1 PCI-4			
Invoice No. 632669	NI-EA	\$	90,045.39
3) Consulting Services 2021 OMID System Inspection			
Invoice No. 632672	O&M	\$	733.04
4) Rehabilitation Program 2021 Closeout Services			
Invoice No. 632673	O&M	\$	2,996.08
l) PM Technologies			
Invoice No. 76648827	O&M	\$	773.89
m) York			
Invoice No. MRI-13903	O&M	\$	5,450.00

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

ADOPTED: Yeas - 3
Nays - 0

12. Other Business.
None.

13. Adjourn.

Motion by Vaara, supported by Miller, to adjourn the May 17, 2023, meeting at 12:20 p.m.

ADOPTED: Yeas - 3
Nays - 0

Next Regular Meeting: *The Northeast Sewage Pumping Station, 11001 E. State Fair St., Detroit, Michigan* and electronically at 11:30 a.m., Eastern Standard Time on June 21, 2023.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District, at a meeting held on May 17, 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 17th day of May 2023.



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

Agenda Item No. 4

Public Comment

Agenda Item No. 5

**NESPS/NI-EA Property and Pollution Insurance
Renewal**



Oakland-Macomb Interceptor Drain Drainage District: NESPS/NIEA

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

Proposal for Property & Pollution Liability Insurance

07/01/2023
to
07/01/2024

(dated 6/12/23)

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

Oakland-Macomb Interceptor Drain Drainage District: Northeast Sewage Pumping Station / North Interceptor-East Arm

Marketing Summary 07/01/2023 to 07/01/2024

NESPS/NIEA July Property and Pollution Renewal Summary

We have completed the renewal process for the NESPS/NIEA insurance program renewing July 1st, 2023. The hardening marketplace continues to be a major challenge through most lines of coverage, with carriers reducing capacity, increasing rates and in some cases, withdrawing from certain segments of the market altogether. The total overall renewal premium for the July insurance policies increased from \$302,957 at expiring to \$333,954 at renewal. We have summarized the 2023-24 renewal effort by line of coverage below:

- Property Coverage: The Chubb property policy is currently at the expiration of a (2) year term through 2023. Chubb continues to be the best carrier to place the property coverage for heavy infrastructure risks. Chubb originally wanted a rate increase of +10% to accompany the engineering news record cost of construction increase of +3.6%, we leveraged relationship to negotiate with Chubb to reduce the rate increase from +10% to +7%. The property premium has increased to \$318,048, which includes the 3.6% Engineering News Record Construction Cost Index value increase and 7.2% property rate increase. Chubb is no longer offering the 2-year terms moving forward so the policy will be reviewed and negotiated annually moving forward. Reinsurance treaties, natural disasters, and overall industry performance has resulted in average increases from 10%-25% on property insurance from an insurance rate basis not considering increased costs of construction.
- Pollution Liability: AIG is the current pollution carrier. We had early conversations in advance of the renewal and agreed to a favorable renewal rate this year. The premium is based on budgeted maintenance payroll which decreased 2.3% from \$2,237,780 to \$2,184,160 resulting in policy premium decreasing by .86%.

Oakland-Macomb Interceptor Drain Drainage District: Northeast Sewage Pumping Station / North Interceptor-East Arm Program Comparison

Property Renewal Comparison		
	22-23	23-24
Carrier	Chubb	Chubb
AM Best Rating	A+ XV	A+ XV
Policy Term	7-1-22/23	7-1-23/24
Premium	\$286,912	\$318,048
TRIA	Incl	Incl
Engineering Fee	NA	NA
TIV	\$301M	\$312M
Rate / \$100 TIV	.0951	.1017
Policy limit	150M	150M
Deductible	1M	1M
Debris removal	25% or \$10M whichever is lesser	25% or \$10M whichever is lesser
Machinery Breakdown	Policy Limit \$150M	Policy Limit \$150M
<i>Other significant Sub-Limits</i>		
<i>Earth Movement</i>	50M	50M
Flood sub-limit	10M	10M
Demolition Cover A, B, C	10M	10M
Errors & Omissions	5M	5M
Extra Expense	2.5M	2.5M

Pollution Renewal Comparison		
	22-23	23-24
Carrier	AIG	AIG
AM Best Rating	A XV	A XV
Policy Term	7-1-22/23	7-1-23/24
Premium	\$16,045.35	\$15,905.95
Policy Limit	10M	10M
Deductible	50k	50k
TRIA	Incl	Incl
Exposure Base (Maintenance Budget)	2,237,780	2,184,160

**Oakland-Macomb Interceptor Drain Drainage
District: Northeast Sewage Pumping Station /
North Interceptor-East Arm
07/01/2023 to 07/01/2024**

Premium Summary

POLICIES	Expiring 2022-2023	Proposed 2023-2024
Property [1] ACE American Insurance Co.	\$286,912.00 TIV: \$301,608,932	\$318,048.00 TIV: \$312,466,249 ENR Index: 3.6% Change in Rate: 7.2%
Pollution Liability AIG Specialty Insurance Company	16,045.35	15,905.95 Change in Rate: -.86%
TOTAL PREMIUM	\$302,957.35	\$333,953.95

[1] Total Insurable Value is increasing by the May 2023 ENR Factor of 3.6%

Premium Payment Plans

Pay in Full Agency Bill

This document does not amend, extend, or alter coverage afforded by the policy. For a complete understanding of any insurance you purchase, you must first read your policy, declaration page, and any endorsements and discuss them with your Meadowbrook agent. A specimen policy may also be available for your review from the insurance company. Actual policy conditions may be amended by endorsement or state law.”

Meadowbrook, Inc. strives to place your insurance with financially-sound insurance carriers. There are many financial rating companies who assign credit ratings to participating insurance carriers (i.e., A.M. Best Company). These ratings are the financial rating company’s independent opinion about the financial stability of the insurance carrier and, as a result, vary among insurance carriers. Not all insurance carriers choose to be rated by these services. Please be aware of this rating, or lack thereof, for the insurance carrier listed on your proposal.

Meadowbrook, Inc. is not responsible for, nor guarantees, the financial solvency of any insurance carrier through which it places your insurance.

We are pleased to present this insurance proposal and thank you for the opportunity. We look forward to serving you in the future.

Agenda Item No. 6

Engineering Work Orders



Oakland-Macomb Interceptor Drain Drainage District

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

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

SUBJECT: Approval of NTH EWO for OMID NI-EA Contract 2: PCI-18 and PCI-19
Rehabilitation Project Construction Contract Administration Services

DATE: June 21, 2023

On April 19, 2023, the OMIDDD Board awarded a contract to Z Contractors, Inc. for construction of the OMID NI-EA Contract 2: PCI-19 and PCI-19 Rehabilitation Project (Project). The project is scheduled to start in early July and take approximately two years to complete, with a Final Completion date scheduled for late June 2025. In order to appropriately facilitate the project, construction contract administration (CCA) services are required. As NTH is the lead designer of the Project, having previously provided quality CCA services to OMIDDD in the past, we asked NTH to provide the attached proposal, dated June 9, 2023, to provide CCA services on this Project.

These services include but are not necessarily limited to:

- Overall coordination and maintenance of records, field staff and engineering
- Submittal review
- Field representation or observe and document the work for conformance with the plans and specifications
- Quality control testing and instrumentation monitoring
- Claims evaluation and correspondence assistance
- Preparation of pay estimates, work directives, change orders, and non-conformance notices

An Engineering Work Order has been created based on NTH's proposal, and incorporates the above CCA scope of work and associated fees into NTH's existing contract #2603 for a not-to-exceed amount of \$1,873,563. In addition, NTH's contract needs to be extended another 2 years from December 31, 2023 to December 31, 2025 to complete this work.

NTH and its subconsultants are prepared to begin providing these services upon approval of this EWO.

Requested Action: Approve the attached engineering work order to increase NTH's contract #2603 by an amount not to exceed \$1,873,563 to provide CCA services on the NI-EA Contract 2: PCI-18 and PCI-19 Rehabilitation Project. In addition, extend Contract #2603 an additional two years to December 31, 2025 to complete this work.

**Jim Nash Oakland County Water Resources Commissioner
Oakland-Macomb Interceptor Drain Drainage District
For the
OMID NI-EA Contract 2: PCI-18 and PCI-19
Wayne County, Michigan**

Engineering Work Order D-458 (3)

Date: 6/12/2023

To: NTH Consultants Ltd. (NTH)

For: Amendment to Contract #2603 for NI-EA Contract 2: PCI-18 and PCI-19 Rehabilitation Project CCA Services

DESCRIPTION

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the OMID NI-EA Contract 2: PCI-18 and PCI-19 Rehabilitation Project that falls under Section A-Engineering Services and Section C Compensation for Engineering Services, Item No. 6 Additional Special Services and Exhibit D – Estimated Fees of contract #2603. This EWO serves as your approval for compensation to provide the following construction contract administration (CCA) services needed over the anticipated approximately two-year project duration, with anticipated Final Completion Date of June 25, 2025, as indicated in your attached June 9, 2023 proposal:

1. Provide a Construction Contract Administrator and appropriate staff to oversee all CCA services. The Administrator's role during construction will be to manage and oversee field engineering staff and coordinate day-to-day field engineering and contract administration services with OMIDDD representatives. The Administrator is also responsible for maintaining all construction records, providing initial responses to the contractor, conducting bi-weekly meetings, with the Contractor and perform a monthly review of the Contractor's Progress in coordination with Professional Management Associates.
2. Provide a Resident Field Engineer (RFE) working part-time for the duration of the project. The RFE will coordinate field staff, quality control testing services, instrumentation monitoring, shop drawing review, daily report review, and coordinate with the OMIDDD flow control manager as needed.
3. Provide document management and control services. This will include part-time submittal/document control personnel to manage all correspondence among the Owner, Engineer, and Contractor using a cloud-based document management software provided by others.
4. Provide field representation as needed to properly observe and document the work, perform quality control testing, instrumentation survey, and ensure conformance with the plans and specifications.
5. Perform shop drawing review as required.
6. Initially evaluate all claims made by the Contractor and provide recommendations for resolution. Prepare change orders, provide estimates, and draft correspondence to the Owner, Contractor and other related parties subject to any claim considerations.
7. Review notifications of differing site conditions by the Contractor, perform an initial evaluation of the condition encountered, compare it to contract information and, if required, recommend

**JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

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appropriate additional investigative services (if needed) to promptly evaluate and assess the condition and keep the Contractor standby to a minimum.

8. Process Contractor's Pay Application requests for OMIDDD approval.

The associated fee for these services is \$1,873,563 as further broken down in NTH's appended proposal.

In addition, this EWO extends NTH's Contract #2603 another 2 years from December 31, 2023 to December 31, 2025 to complete this project.

Fees for this Engineering Work Order shall be billed on a time and material basis according to the rate schedules included with the proposal. Subconsultants and expenses are allotted a markup of 6% and 5% respectively. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$1,873,563. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

RECOMMENDED	DATE:	ACCEPTED	DATE:
By:		By:	
Joel Brown, P.E. Chief Engineer OCWRC		Jeff Jaros, P.E. President NTH Consultants Ltd.	
APPROVED	DATE:	APPROVED	DATE:
By:		By:	
Stephen Downing Construction and Maintenance Manager MCPWO		Sid Lockhart, P.E. Special Projects Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	SC730639
Fund No.:	FND84917	Program No.:	PRG149015
Project No.:	PRJ-13XXX	Project Activity:	1-ENG CONSULT
Contract No.:	PS2603-WDCON8173	Contract Exp:	12/31/2023



Oakland-Macomb Interceptor Drain Drainage District

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

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

**SUBJECT: NTH EWO for Additional Northeast Sewage Pumping Station (NESPS)
Maintenance Engineering Support Services-CS-6 Emergency Bypass
System**

DATE: June 21, 2023

As the OMIDDD Board may recall, after electrical and pumping failures at the NESPS in the summer of 2021, Cortis Brothers and Mersino Dewatering, Inc. installed a temporary high-density polyethylene (HDPE) emergency bypass system south of the Control Structure CS-6 yard within the ITC corridor following the recommendations of the emergency action plan. Since its installation, due to the significant costs undertaken to fuse the HDPE, NTH has led the design effort to make this installation permanent for future use if ever needed (under Engineering Work Order No. D-439). This effort has included surveying of the existing equipment, development of plans for construction and assisting the WRC right-of-way staff to obtain the required easements.

NTH's efforts for obtaining easements have been extensive and long in duration, involving many correspondences and/or meetings with ITC, the City of Sterling Heights and WRC right-of-way staff as well as drawing changes. These efforts were well beyond what was originally anticipated under EWO No. D-439 and have resulted in exceeding NTH's original budget of \$39,463. Accordingly, NTH has drafted the attached proposal, dated June 9, 2023, for reimbursement of this additional effort as well as remaining required effort to finalize easements, plans and specifications for bidding purposes.

The attached EWO has been generated to add this additional out-of-scope effort for a not to exceed amount of \$15,146. NTH will continue to proceed with finalizing this work.

Requested Action: Approve the attached Engineering Work Order to increase contract #2603 by a not-to-exceed amount of \$15,146 to complete design documents and required easement coordination related to the CS-6 Emergency Bypass System.

**Jim Nash Oakland County Water Resources Commissioner
Oakland-Macomb Interceptor Drain Drainage District
For the
OMID NESPS Maintenance Engineering Support Services-CS-6 Emergency Bypass System
Wayne County, Michigan**

Engineering Work Order D-459 (2)

Date: 6/12/2023

To: NTH Consultants Ltd. (NTH)

For: Amendment to Contract #2603 For Additional NESPS Maintenance Engineering Support Services-CS-6 Emergency Bypass System

DESCRIPTION

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the CS-6 Emergency Bypass System that falls under Section A-Engineering Services and Section C Compensation for Engineering Services, Item No. 6 Additional Special Services and Exhibit D – Estimated Fees of contract #2603. This EWO serves as your approval for compensation to provide the following engineering services needed to finalize plans, specifications and easements required for the project (see the attached NTH June 9, 2023 proposal):

- Coordinate meeting(s) with the City of Sterling Heights, ITC and OMIDDD to finalize easements and utility drawings.
- Incorporate final comments from the City of Sterling Heights, ITC and OMIDDD to finalize drawings.
- Prepare a construction package for bidding purposes.

The associated fee for these services is \$15,146.

Fees for this Engineering Work Order shall be billed on a time and material basis according to the rate schedules included with the proposal. Subconsultants and expenses are allotted a markup of 6% and 5% respectively. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$15,146. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

RECOMMENDED	DATE:	ACCEPTED	DATE:
By:		By:	
Joel Brown, P.E. Chief Engineer OCWRC		Jeff Jaros, P.E. President NTH Consultants Ltd.	
APPROVED	DATE:	APPROVED	DATE:
By:		By:	
Stephen Downing Construction and Maintenance Manager MCPWO		Sid Lockhart, P.E. Special Projects Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	SC730639
Fund No.:	FND82912	Program No.:	PRG149662
Project No.:	N/A	Project Activity:	N/A
Contract No.:	PS2603-WDCON8173	Contract Exp:	12/31/2023



Oakland-Macomb Interceptor Drain Drainage District

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

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

SUBJECT: Approval of NTH EWO for NI-EA Contract 1: PCI-4 Rehabilitation Project
Additional Construction Contract Administration Services Due to Project Delay

DATE: June 21, 2023

As the OMIDDD Board has previously been made aware, the North Interceptor-East Arm has been extended via change orders for several reasons including additional flow control maintenance days and Force Majeure delays that have extended the Final Completion date of the Contract from July 12, 2023 to May 12, 2023. However, the project has also been delayed due to contractor-related issues with the installation of both Channeline and RockHard products. This will likely lead to a Final Completion Date at the end of September 2023. NTH Consultants Ltd.'s construction contract administration (CCA) budget was exhausted at the end of May 2023. As the cause of the delay is not due to NTH's actions, and in anticipation of the expended budget, NTH generated the attached April 6, 2023 proposal to request additional funds to continue providing CCA services through September 2023. These services also include efforts from NTH's subconsultants: FK Engineering, Anderson, Eckstein & Westrick, Inc. and Applied Science Inc.

Please note that the prime contractor, Marra, has been notified of the assessment of liquid damages as a result of the delay in the Revised Final Completion date. This measure will be used to offset this substantial increase in administration costs.

An Engineering Work Order has been created to include the additional CCA scope or work and associated fees to NTH's existing contract #2603 for a not-to-exceed amount of \$493,647

NTH and its subconsultants are prepared to continue to provide CCA services uninterrupted upon approval of the EWO.

Requested Action: Approve the attached engineering work order to increase NTH's contract #2603 by an amount not to exceed \$493,647 for additional CCA services due to construction delay related to the NI-EA Contract 1: PCI-4 Rehabilitation Project.

**Jim Nash Oakland County Water Resources Commissioner
Oakland-Macomb Interceptor Drain Drainage District
For the
OMID NI-EA Contract 1: PCI-4 Rehabilitation
Wayne County, Michigan**

Engineering Work Order D-457 (1)

Date: 5/5/2023

To: NTH Consultants Ltd. (NTH)

For: Amendment to Contract #2603 For Additional CCA Services Due to NI-EA Contract 1: PCI-4 Rehabilitation Project Delay

DESCRIPTION

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the OMID NI-EA Contract 1: PCI-4 Rehabilitation Project that falls under Section A-Engineering Services and Section C Compensation for Engineering Services, Item No. 6 Additional Special Services and Exhibit D – Estimated Fees of contract #2603. This EWO serves as your approval for compensation to provide the following construction contract administration (CCA) services needed over the anticipated approximately 14-month time extension in the Final Completion Date of the Project, originally scheduled to be complete on July 12, 2022 but is now anticipated to be through September 2023 (see the attached NTH April 6, 2023 proposal):

- Part-time project management and contract administration services will be necessary through the Final Completion Date of the project. This will include conducting weekly progress and field task meetings, attending bi-weekly Owner's meeting, e-builder document control, submittal/RFI review, pay application processing, work directive/change order processing (as required), as-built document review, and final walkthrough.
- Two full time inspectors will be required during lining installation and grouting activities and only one full time inspector will be required to observe access structure construction, site regrading/restoration, and project closeout activities which are operations that the Contractor anticipates working a routine 10 hr/day, 6 day/week through final completion.
- Monitoring of shaft geotechnical instrumentation
- As needed concrete, grout and backfill material testing services
- Warranty repair field observation services at CS-9

The associated fee for these services is \$493,647.

Fees for this Engineering Work Order shall be billed on a time and material basis according to the rate schedules included with the proposal. Subconsultants and expenses are allotted a markup of 6% and 5% respectively. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$493,647. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

**JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

Page 1 of 2

08/22/2022

RECOMMENDED	DATE:	ACCEPTED	DATE:
By:		By:	
Joel Brown, P.E. Chief Engineer OCWRC		Jeff Jaros, P.E. President NTH Consultants Ltd.	
APPROVED	DATE:	APPROVED	DATE:
By:		By:	
Stephen Downing Construction and Maintenance Manager MCPWO		Sid Lockhart, P.E. Special Projects Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	SC731444
Fund No.:	FND84917	Program No.:	PRG149015
Project No.:	PRJ-13308	Project Activity:	1-ENG CONSULT
Contract No.:	PS2603-WDCON8173	Contract Exp:	12/31/2023

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

Agenda Item No. 7

Change Orders

CHANGE ORDER NO. 6

**Oakland-Macomb Interceptor Drain Drainage District Board
For Construction of the OMID Immediate Repairs
Various Locations in Macomb County, MI**

Authorization for Extras To & Changes In Contract

Department No.: 6010101
Fund No.: 84917
Project No.: 1-3015

Account No. : 731472
Program No. : 149015
Project Activity: FAC

Contractor:
Doetsch Industrial Services, Inc.
21221 Mullin
Warren, MI 48089

Contract No. : 5928
Date of Contract: 1/8/2020
Completion Date: 7/24/2020
Extended to: 3/31/2023

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
6-A	LOCATION: Entire Project					
	DESCRIPTION:					
	Bid Item 2 - Estimated Permit Fees	LS	-1.0	\$20,000.00	---	\$20,000.00
	Bid Item 5 - Mobilization to each grouting and/or repair site (PCI-5, 6, 7 & 8)	EA	-5.0	\$7,500.00	---	\$37,500.00
	Bid Item 10 - Allowance - Engineer directed chemical and cementitious grouting in interceptor & manholes (PCI-5, 6, 7 & 8)	LS	-1.0	\$150,000.00	---	\$150,000.00
	Bid Item 11 - Core hole plug patching (PCI-5, 6, 7 & 8)	EA	7.0	\$1,500.00	\$10,500.00	---
	Bid Item 18 - Allowance - Engineer directed chemical and cementitious grouting in interceptor & manholes (PCI-10A/B & 11A)	LS	-1.0	\$150,000.00	---	\$150,000.00
	Bid Item 19 - Deep concrete repair, Detail #3 and manhole repair per Detail #4	EA	2.0	\$10,000.00	\$20,000.00	---
	Bid Item 20 - PCI-10B deep repair including surface preparation and anchors (Location #55, Detail \$5)	SFT	5.3	\$2,000.00	\$10,600.00	---
	Bid Item 21 - Engineer directed localized steel	LB	-50.0	\$900.00	---	\$45,000.00
	Bid Item CO-1A-2 - Cleaning of wet well at NESPS	DAILY	17.5	\$7,725.00	\$135,187.50	---
	Bid Item CO-1A-3 - Disposal of material from	Ton	147.9	\$950.00	\$140,505.00	---
	Bid Item CO-1A-5 - Contingency	LS	-1.0	\$7,440.00	---	\$7,440.00

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
	Bid Item CO-2C - Sealing of leaks in manholes , acrylamide (PCI-5, 6, 7 & 8)	GAL	-1718.75	\$20.00	---	\$34,375.00
	Bid Item CO-2D - Sealing of leaks in interceptor, acrylamide (PCI-5, 6, 7 & 8)	GAL	-1744.95	\$20.00	---	\$34,899.00
	Bid Item CO-3C - Sealing of leaks in manholes, acrylamide (PCI-9, 10A/B & 11A)	GAL	-1284.26	\$20.00	---	\$25,685.20
	Bid Item CO-3D - Sealing of leaks in interceptor, acrylamide (PCI-9, 10A/B & 11A)	GAL	-2905.68	\$20.00	---	\$58,113.60
	REASON: Bid quantities have been adjusted to as-built quantities installed.					
Totals					\$316,792.50	\$563,012.80
Net						
Decrease					---	\$246,220.30

CHANGE ORDER NO. 6

**Oakland-Macomb Interceptor Drain Drainage District Board
For Construction of the OMID Immediate Repairs
Various Locations in Macomb County, MI**

Prepared by: Evangelos Bantios Date: 5/25/2023
Evangelos Bantios, P.E. - WRC Assistant Chief Engineer

Recommended by: Joel Schanne Date: 5/26/2023
Joel Schanne, P.E - NTH Consultants, Ltd.

Approved by: Stephen Downing Date: 5-31-2023
Stephen Downing - Const. & Maint. Manager, MCOPWC

Approved by: Sid Lockhart Date: June 1, 2023
Sid Lockhart, P.E. - Special Projects Manager, OCWRC

The Contractor agrees to do the work described above and agrees to accept payment in full on the basis indicated.

Accepted by: Sean Schotthoefer Date: 5-25-2023
Sean Schotthoefer - Vice President
Doetsch Industrial Services, Inc.

Approved by: Steven Korth Date: June 2, 2023
Steven Korth, P.E. - WRC Manager

The Contractor is hereby authorized and instructed to do the work described above in accordance with the terms of the Contract.

This Change Order No. 6 was approved by the Drain board on:

**Contract Status Summary
Change Order No. 6**

Contractor: Doetsch Environmental Servies

Notice to Proceed Date:	January 8, 2020
Contract Substantial Completion Date:	April 10, 2021
Contract Final Completion Date:	March 31, 2023
Original Contract Value:	\$ 1,352,801.00
Previous C.O. Values:	\$ 236,850.00
Change Order Value, C.O. # 5	(\$246,220.30)
Adjusted Contract Value	\$ 1,343,430.70

CHANGE ORDER NO. THIRTY-THREE

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.) Fiber Optic Media Converter; 2.) Provide Door Security for the NESPS south Main Entry Door access; 3.) Provide conduit and wiring for additional smoke detectors to Air Handling Units # 1 and 2 supply air ducts.

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

Change Order No. 33 Date: June 09, 2023

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
33 -1	<p>LOCATION: The Northeast Sewage Pumping Station; Detroit, Wayne County, Michigan</p> <hr/> <p><u>DESCRIPTION (Extra/ Add):</u> Furnish and install new media converter for the new NESPS Fiber Optic connection to the GLWA NE Water Plant.</p> <p><u>REASON:</u> Upon installation of the new fiber optics cable between the NESPS and the GLWA Water Plant connection, it was determined that improved support equipment was necessary to provide overall acceptable performance of the updated system. The replacement Media Converter will now provide optimum performance for the fiber optics connection</p> <p>Attachment: Walsh Construction Co. PCI # 970185</p>	LS	1 ea.	\$ 1,745.03	\$ 1,745.03	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 33

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
33 -2	<p><u>DESCRIPTION: (Extra Add):</u></p> <p>Provide hardware, labor, Programming, and Licensing to install Security Access to the south main door of the NESPS.</p> <p><u>REASON:</u></p> <p>The modified door security system at the south main door (the primary entrance point to the main motor room level) will provide communication to the OMID access control system for improved overall security for the facility.</p> <p>Attachment: Walsh Construction Co. PCI No. 970183</p>	LS	1 ea.	\$3,176.96	\$3,176.96	-0-
33 -3	<p><u>DESCRIPTION (Extra Add):</u></p> <p>Provide conduit and wiring runs to activate Smoke Detectors in Air handling Units # AHU-1 and AHU-2.</p> <p><u>REASON:</u></p> <p>The manufacturer (Trane) for the temperature controls system for the return and supply air duct smoke detectors require a 120v power circuit from either new or existing lighting panelboards. This additional effort will satisfy this requirement.</p> <p>Attachment: Walsh Construction CO. PCI # 970188</p> <p align="center">*****</p> <p>End of Change Order No. 33 Line Items</p>	LS	1 ea.	\$ 1,952.37	\$ 1,952.37	-0-
					Amount Increase	Amount Decrease
				Totals		-0-
				Net Changes (Increase)	\$ 6,874.36	-----

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 33

Prepared By: _____ Date: _____
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: _____
Sid Lockhart, P.E.
Manager of Special Projects, WRC

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. 33 was approved by the Drainage Board on: _____ Date: _____



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

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

Contract Status Summary
Change Order No. Thirty-Three
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, 8, 9, 10, 11, 12, 13, 14, 15,16, 17,18, 19, 20, 21,22, 23, 24, 25,26,27, 28, 29, 30,31,32 and including CS-9 C.O. # 1,2,3,4	\$ 5,919,529.34
This Change Order # 33	\$ 6,874.36
Adjusted GMP Contract Value, Pump & Electrical Upgrades and CS-9 Projects (Including C.O. # 33)	\$ 48,859,785.58

Agenda Item No. 8

Construction Estimates

**OAKLAND COUNTY INTERCEPTOR DRAIN DRAINAGE BOARD
OMID Localized Rehabilitation & Spot Repairs PCI-5, 6, 7, 8, 9, 10A/B & 11A
Various Cities throughout Macomb County, Michigan**

Final Construction Payment

4/1/2021 to 4/30/2023

Department No.:	6010101	Account No.:	730373
Fund No.:	82912	Program No.:	149662
Project No.:	1-3015	Activity:	FAC

Contractor:
Doetsch Environmental Services
21221 Mullin Ave
Warren, MI 48089

Contract No. :	5928
Date of Contract:	January 8, 2020
Completion Date:	July 24, 2020
Extended to:	March 31, 2023

Original Contract Amount:		\$1,352,801.00
Previous Change Order:	C.O. # 1, # 2 & # 3	\$236,265.00
Change Orders This Estimate:	C.O. #4, # 5 & #6	(\$245,635.30)
Total Net Change Orders:		(\$9,370.30)
Final Adjusted Contract Amount:		\$1,343,430.70

Final Subtotal: (Estimate Column 7)		\$1,343,430.70
Less Deductions to Date: (Estimate Column 7)		\$0.00
Gross Estimate: (Work in Place)	100.00%	\$1,343,430.70
Less Amount Reserved: (5% of Adjusted Contract Amount)		\$0.00
Final Amount Allowed:		\$1,343,430.70
Less Previous Estimates:		\$1,184,891.40
Final Payment Request to be Paid To Contractor:		\$79,086.00

Final Reserve Payment to Contractor		\$79,453.30
Balance of Contract To Date	\$0.00	Accounting Auditor: <i>Jeff Ragle</i>
Amount To Be Reserved		\$0.00
Less Previous Transfers To Reserve:		\$79,453.30
Amount of Current Transfer:		(\$79,453.30)

Prepared by: *Evangelos Bantios* Date: 05/23/2023
 Evangelos Bantios, P.E. - Oakland County WRC

Recommended by: *Joel Schanne* Date: 5/26/2023
 Joel Schanne, P.E. - NTH Consultants, Ltd.

Recommended by: *Stephen Downing* Date: 5/31/2023
 Stephen Downing - Const. & Maint. Manager, MCOPWC

Approved by: *Sid Lockhart* Date: 6/1/2023
 Sid Lockhart, P.E. - Special Project Manager, OCWRC

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

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

May 01, 2023 through May 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. # 32	\$1,337,734.33
Previous C.O.s: (Numbers 7 through No. 31 and CS-9 # 1 through # 4)	\$4,581,795.01
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	\$48,852,911.23 ✓
Sub-Total To Date	\$ 36,465,112.96
Less Deductions: None	\$ -
Gross Estimate: (Work in Place - Amount Complete =74.6 %)	\$ 36,465,112.96
Less Amount Reserved (max. 10% of 50% of total CV, including CS-9 value)	\$ 2,442,645.56
Total Amount Allowed To Date:	\$34,022,467.40
Less Previous Estimates:	\$33,717,513.56
Payment Due	\$304,953.84
Reserve Pay to Contractor:	\$0.00
Balance to Finish: \$ 12,387,798.27	Accounting Auditor:
Amount to be Reserved	2,442,645.56
Less Previous Transfer to Reserve	2,375,758.85
Amount of Current Transfer	\$66,886,71

Regular Construction Estimate No. 32 May, 2023 - NESPS Pump & Electrical Upgrades

Page Two of Two

Prepared by: _____

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

Date: _____

Recommended by: _____

John Michalski, P.E., ASI

Date: _____

Recommended by: _____

Joel Brown, P.E. Oakland County WRC

Date: _____

Recommended by: _____

Stephen Downing; Macomb County OPWC

Date: _____

Approved for Payment by: _____

Sid Lockhart, P.E.; Special Projects Manager, Oakland County WRC

Date: _____

Regular Construction Estimate No. 32, May, 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. 27

Period: 5/01/23 through 5/31/23

Department No.: 6010101
Fund No.: 84917
Project No.: 1-00000003308

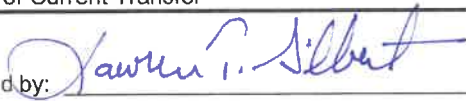
Account No.: 731472
Program No.: 149015
Activity: FAC

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

Vendor # 29656 Contract # 6323
LI # 44838 exp. 1/20/23

Date of Contract: January 21, 2021
Final Completion Date: September 9, 2022
Adj. Final Completion: May 12, 2023

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
Adjusted Contract Amount:	\$16,020,166.61
Sub-Total To Date	\$13,850,068.93
Less Deductions: None	\$0.00
Gross Estimate, Work in Place 86.45% Complete	\$13,850,068.93
Less Amount Reserved (Max. at 10% of 50% of adjusted C.V.)	\$801,008.33
Total Amount Allowed To Date:	\$13,049,060.60
Less Previous Estimates	\$12,645,313.04
Net Payment Request To Be Paid To Contractor:	\$403,747.56
Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$ 2,170,097.68	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: 6-6-23

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

Date: _____

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

Date: _____

Recommended by: _____
Stephen Downing; Macomb County OPWC

Date: _____

Approved for Payment by: _____
Sid Lockhart, P.E.; Special Projects Manager, Oakland County WRC

Date: _____

Agenda Item No. 9

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

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

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

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

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

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

June 21, 2023 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (June 12, 2023) for the work completed for the Oakland-Macomb Interceptor Drain Repair Program (SRF Segments 1-4; Contract 7 PCI-4 repairs; Maintenance Repairs in PCI-5 through PCI-11A; Control Structure Modifications; NIEA Repairs; NESPS Upgrades; Odor/ Corrosion Control System, and other related work):

SRF Segment 1 Status:

Contracts 1&2: Complete

System-wide Odor/Corrosion Study: Complete

Odor and Corrosion Control Design

- Project Budget: \$963,223.90
- Total Spent (approximate; through April 21, 2023): \$631,540.06
- Effort is currently on time in accordance with Jacobs' latest design schedule

Status of Major Project Tasks:

- Jacobs delivered the 30% Design package (plans and draft Basis of Design Report) on May 18, 2023, as promised. The 30% Design includes the Dodge Park Road/Utica Road (ST-S-1/CS-8) and Sorrento Boulevard/Dodge Park Road (ST-S-3) sites. The 30% Design includes further developed demolition, civil/site, and process plans.
- Jacobs facilitated a 30% Design workshop with Macomb County, Oakland County, MCET, and METCO representatives on June 2, 2023. Jacobs provided an overview of the 30% Design package and the group discussed review comments. Jacobs is in the process of compiling and addressing review comments. Jacobs is progressing with the 60% Design plans and specifications.
- Jacobs established the required footprint of the replica house that will contain the odor control equipment at the Sorrento Boulevard/Dodge Park Road (Meter ST-S-3) site in Sterling Heights (concept presented at the January 2023 Board meeting). Jacobs drafted the rear yard setback variance request, which was on the Zoning Board of Appeals agenda for the May 23, 2023 ZBA meeting. The variance request was approved by the Sterling Heights ZBA. Documentation of this approval will be included in the ZBA meeting minutes, anticipated to be issued in late June 2023.
- The design of the 15 Mile Road/ITC Corridor (CS-6) odor/corrosion control system is currently on hold until the terms for grant funding of the adjacent Sterling Heights parcel (east of the ITC Corridor) are clarified with the National Park Service (grant originator). If the Sterling Heights parcel is used, then Jacobs will work with OMIDDD and MIDDD to consider a complimentary beautification project (e.g., vegetative screening, "micro" park, Baumgartner Park upgrades, etc.) near the new odor/corrosion

control facility, as requested by Sterling Heights. OMIDDD and Sterling Heights are in ongoing discussions regarding use of a portion of the Baumgartner Park, including potential utilization of the existing recycling center footprint.

SRF Segment 2 Status:

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

SRF Segment 3 Status:

Contract 4: Complete

SRF Segment 4 Status:

Contract 5A/5B: Complete

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

Contract 6: Complete

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

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

Construction Complete

- Warranty period through December 2022.

NESPS & OMID Maintenance, Operations & Upgrades Status:

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

- Mersino Dewatering is under contract for standby emergency bypass pumping.
- 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 in process; package to be used to solicit bids from several OCWRC and MCPWS Blanket Contract Holders.
- 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. 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 ability to meet demand.
- The wet well elevator remains disabled, with re-construction plans in progress. Final completion is projected for 2024.



Trane provided onsite training for HVAC equipment at NESPS



- Quarterly wet well sediment inspection and bar screen cleaning scheduled for August 25, 2023.
- Quarterly OMIDD-GLWA Coordination Meeting was held June 6 2023. The purpose of these meetings is to ensure that all parties are up to date on system status and project schedules. Meeting minutes to be filed.
- 25 Ton crane back in service repair report is on file. Four ton crane on standby.
- Trane provided onsite HVAC training on May 15, 2023.

Overall NESPS Station Performance Report by METCO:

- Mechanical: No changes from previous report. Sanitary Pumps #2 #4, #5, and #6 ready for duty. Total pump capacity equals 500-cfs. Contract capacity is 423-cfs. The wet well dewatering pump is also ready for duty.
- Sanitary #2 and Sanitary #4 continue to share primary duty. Pumps #5 and Pump #6 share backup roles. This strategy continues to meet dry and wet weather demands.
- NESPS/GLWA LOTO final forms complete. All personnel required to fill out forms before sewer entry. As a refresher, the METCO/Meadowbrook team met with GLWA operations along with sewer lining contractor (Marra) to review NESPS lockout/tagout procedures. A few additions were made after review with OMID and GLWA. LOTO procedures are going well.
- The primary switchgear in the existing station is double ended with two (2) sources of utility power being Transformer #3 and Transformer #4. Generator back-up is available if needed to power pumps P4, P5 and P6 and the existing unit substation.
- Dry well submersible sump pumps #1 and #2 are in service and ready for duty.
- Specific data logging software continues to monitor Sanitary Pump #2 VFD drive PLC. This software was instrumental in detecting the VFD faults experienced November 14, 2022, which disabled the pump.
- Rotor integrated the existing Eaton Power Expert (Quality Power Monitoring Meter) located on the VFD Sanitary Pump #4 switchgear into the OMID SCADA system. Occasional faults, voltage sags, and spikes were reported and are being investigated. Incoming power data is collected daily with the data kept on file.
- 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 in use. Rounds are conducted daily. Unit filters restocked and changed as required.
- Bio Filter performance good. No odor issues or complaints.
- Overall General Housekeeping tasks in order. Minor maintenance activities have all been addressed in a timely manner.

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

- Daily flow control operations support MID/OMID/NIEA repair and improvement projects. (Weather permitting)
- Preventative Maintenance is scheduled for the week of June 5th.
- All LOTO protocols are in place.
- A plan has been developed between Walsh and HESCO to address the replacement and repair to both Level Sensor and Gate Drift at CS-9. Both issues are under warranty. ASI and MCET are also looking into providing protective measures to counter false/erroneous signals in the future.
- Sunsource provided equipment and direction in addressing warranty related issues at CS-9. Installed flow directional valve and counterbalance valves require fine tuning. HESCO has taken a role in assisting. Latest repairs were not fully successful in stopping gate drift - - efforts ongoing.
- System-wide communications are good.
- CS-6 gate has been restored and is currently operational with limited abilities. A limit switch and position indicator must be installed to fully complete restoration. Parts received; repair pending.
- CS-8 in stand-by mode ready for service.

- CS-5 in stand-by mode ready for service.
- CS-9 in stand-by mode ready for service. Warranty-related issues are being addressed through Walsh. (See above)
- Routine daily rounds and inspections made with no major maintenance issues to report.

Other System Operation Issues

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

OMID Control Structure Upgrades Status:

- ASI is now contracted for design of major upgrades to control structures that considers long-term operability.
- Initial inspections and planning complete.
- Basis of Design complete and under review.
- Design projected to be complete in Spring 2023.

OMID System 3-Year Spot Repairs Status: Complete; final as-builts under review

OMID System 6-Year Inspection Status:

- Tunnel reach inspections (95 total) were completed on February 25, 2023. Remaining manhole inspections were completed April 26, 2023. Data is being collated and report is in process.

NIEA Repairs (Design/Construction)

Contract 1 (PCI-4 Rehabilitation): In Construction

Amt Invoiced: Construction cost to date is \$ 13,850,068.93, representing 86.4% of the adjusted Contract value.

Schedule Status: The adjusted Substantial Completion date is April 12, 2023. The Contractor is operating approximately 49 days behind the adjusted schedule, and new issues are expected to further delay completion. The Contractor has been formally advised that starting April 13, 2023, an accounting of Liquidated Damages are included with each application for payment until substantial completion is achieved. This value will show as a debit against the retention account; however, funds will not be withheld until a final reconciliation of the schedule is completed.

Contract 1 (PCI-4 Rehabilitation) Construction Status:

- Approximately 1,334.5 linear feet of Channeline lining has been installed out of a contract total of 1,340 feet (one section was damaged and changed to Rockhard), including Change Order One. All of the Channeline liner is now fully grouted with minor punch-list work in progress.
- Installation of the Quakewrap liner is complete, with grout fill work underway.
- Installation of the Rockhard SCP liner has begun; however, erection complications have delayed the start of full production work.
- Concrete reinforcing steel has arrived on site for the Access Shaft wall construction start
- Geotechnical monitoring of construction activities at the access shaft location indicate continuing stable conditions.



Adjustment to grade of Manhole #104



Aligning of Rockhard panels



Building lining transition



Installation of first QuakeWrap Pipe



Installation of lining section



Delivery of QuakeWrap sections

Contract 2 (PCI-18/19 Rehab): Design Complete, Bidding Complete

Amt Invoiced: \$2,377,934 out of currently projected study/design budget of \$2,400,570.

Schedule Status: Contract 2: Bid award in development.

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

- Design complete, bids received on March 1, 2023. Four (4) contractors submitted proposals for the project; “as -read” low bidder was Z Contractors, Inc at \$12,596,800.
- The Engineer and the Owner met with Z Contractor to discuss the overall project scope in advance of a final recommendation for award.
- Notice of intent to award has been issued to the Contractor. Currently working on preparing the “Contract” set of documents.
- Worked with GLWA to develop cost sharing agreement; Final agreement is pending final Board approvals.
- 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	\$30,000,000	456 cal. days for C-2A plus 210 cal days for C-2B. (Contract 1, projected). Contract 2A& B, est. 10/28/24 and 6/25/25.

NESPS Pump and Electrical Upgrades Project

Budget Status: \$1,280,139 billed out of current Design Budget of \$1,382,430; \$968,018 out of the current CCA Budget of \$2,443,262. The total construction amount invoiced as of May 31 , 2023, is \$36,465,112.96 out of \$48 852,911.23 (including the now completed and operational Control Structure 9 Bulkhead Gate facility and adjusted for stored material inclusion in major work activities), representing 74.6% of the Pump & Electrical Upgrades Project.

Schedule Status: Work is currently delayed due to supply chain issues and electrical issues that occurred in the motor control cabinetry on August 23, 2022 as discussed in prior Reports. Contractor is working on an enhanced schedule to make up time but will be unable to meet the scheduled completion date, with an estimated delay of 15.7 months. Major repair/replacement components for the failed electrical equipment have now arrived on site and installation is underway. Rehabilitation and installation of Knife Gate valves # 2 and 5 is also underway.

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 are substantially installed. In-place testing and replacement of incompatible motor exciter components is incomplete, due to the event of August 23, 2023 effectively delaying final re-testing and acceptance. Repair work is in progress with Pump #1 and #3 start-up/testing planned for early July, 2023.
- The concrete encased underground conduit for the new Fiber Optics communication line is complete from the NESPS to the GLWA Chemical Building termination. Work on the cable installation and tie-ins is complete and the line is operational.
- A review of alternative energy saving methods and pump sequence remains ongoing, incorporating GLWA SCC comments.
- Small diameter conduit runs, lighting improvements, and wiring are being installed in the existing NESPS building with favorable progress, now approaching substantial completion for this activity.
- Steel discharge piping for Pump 6 has now received final coating and has been shipped to the jobsite. 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 complete; removed, rehabbed and reinstalled KGV # 2, removed and rehabilitated KGV # 5, and expect to reinstall next week.
- Work on the alternate discharge piping installation for the Dewatering Pump is complete.

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	\$44,100,000	
10 Substantial Completion	\$2,500,000 (est.)	\$44,100,000 (est.)	9/22/2023 (late)
11 Final Completion			12/21/2023 (late)



**NESPS Refurbishment
Project Location**



Contractor installing emergency lighting



Contractor painting overhead door at locking dock



Installation of Pumps transformers



Contractor installing load drop switches (arc flash prevention)

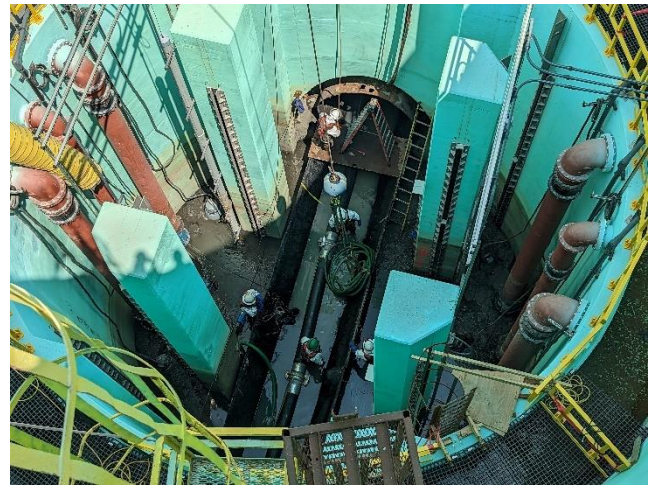
CS-9 Gate Installation Complete

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

CS-12 shaft and pumping station is nearing completion, which will allow upstream debris removal and lining, followed by lining the OMIDDD section downstream of CS-12. Debris removal is estimated to begin by the week of June 19, 2023.



Installation of CS-12 drop pipe



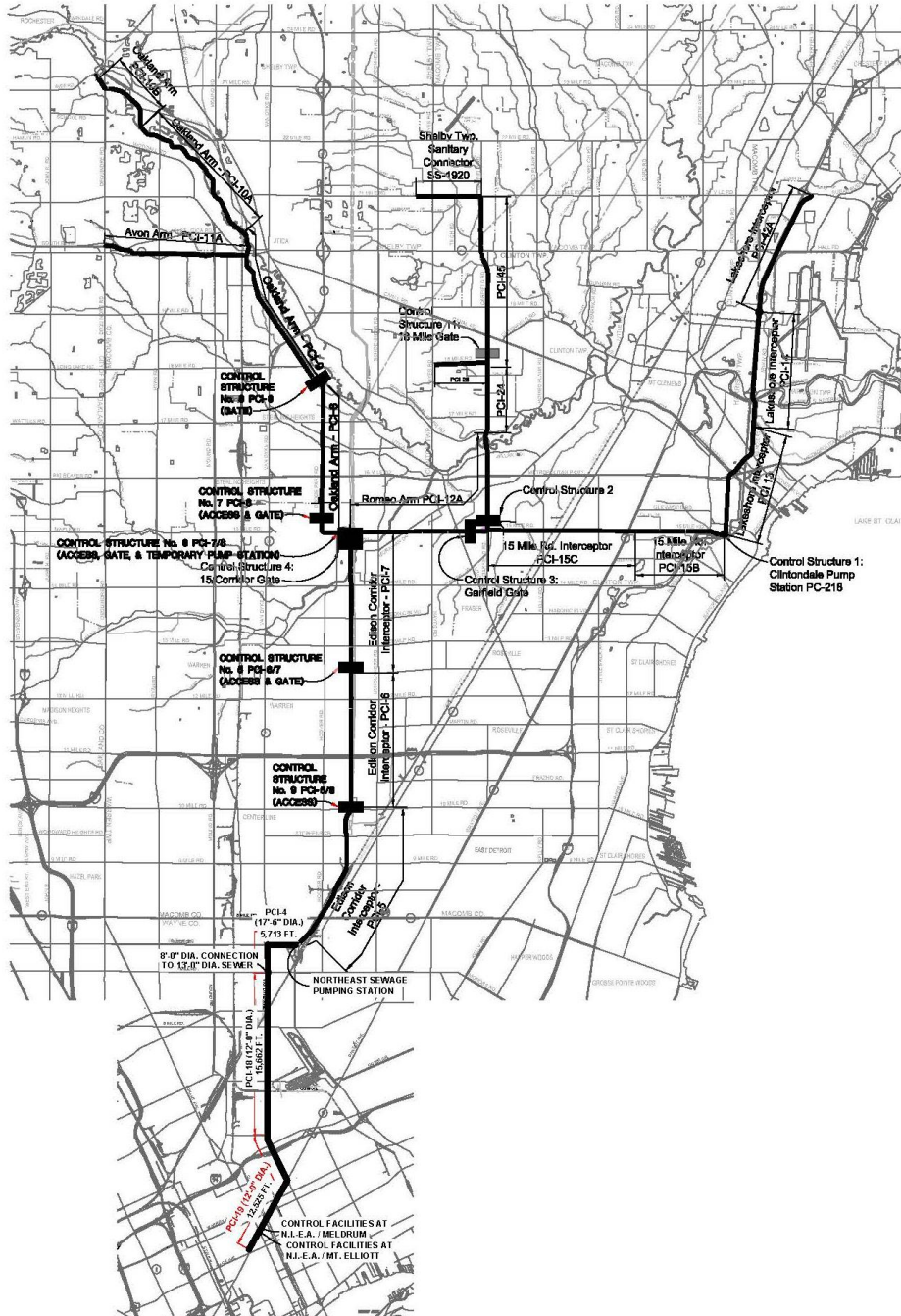
Removal of CS-12 flume pipe in process

Summary of OMID Design and Construction Status:

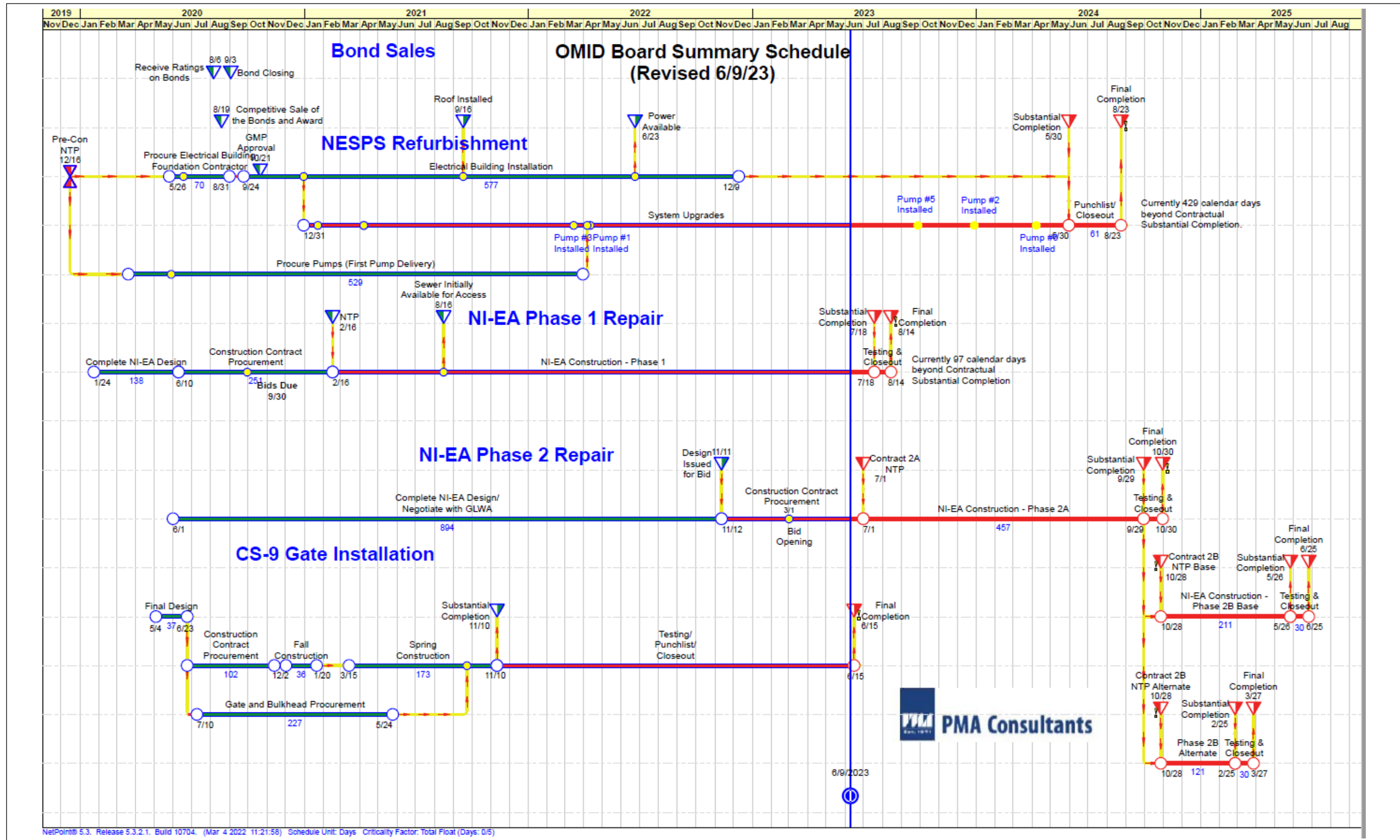
Work In Construction Since 2009							
Seg. No	Contract No. (Description)	Contractor	Const. Comp?	As-Builts Final?	Balancing Change Order?	Contractor Closed Out?	Easements Settled?
1	Contract 1 (CS-9, 5, 3)	Ric-Man	Y	Y	Y	Y	Y
1	Contract 2 (CS-6, 7, 8)	Ric-Man	Y	Y	Y	Y	Y
2	Contract 3-2E (Gatehouse)	IWPC (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 Cont.	N	N	N	N	N

Work Currently in Design/Study/Engineering

Description	Design Consultant	Status
System-wide Odor/Corrosion Design	Jacobs	Study Complete, Design Ongoing
NESPS & OMID Maintenance & Repairs	Metco	Engineering/Maintenance Ongoing
NIEA-OMIDDD Contract 2 (PCI-18/19)	NTH	Design Complete; currently in bid-phase; pursuing cost
Emergency Pumping Plan	ASI/NTH/FKE	Draft Plan to be modified following ITC bypass pumping modifications



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



OMID Project Schedule Summary

Agenda Item No. 10

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 8, 2023		OMID SEGMENT 5 BOND ISSUE PRJ-13252	OMID NI-EA CONSTRUCTION PRJ-13308	NESPS MECH-ELEC CONSTRUCTION PRJ-13309	YTD Balance
100100	Cash - Operating	1,898,319.54	7,787,328.11	17,384,156.00	27,069,803.65
101500	Undeposited Cash				0.00
104100	Accrued Interest on Investment	(167,342.99)			(167,342.99)
143100	PrepaidExpenses		20,833.33	51,255.00	72,088.33
151000	Restricted Cash				0.00
	ASSETS	1,730,976.55	7,808,161.44	17,435,411.00	26,974,548.99
201210	Vouchers Payable AP Cont			(586.50)	(586.50)
222300	Unearned Revenues	576,414.65	(2,407,672.79)	(4,956,470.90)	(6,787,729.04)
230852	Accounts Payable				0.00
272600	Unavailable Revenue - Other				0.00
	LIABILITIES	576,414.65	(2,407,672.79)	(4,957,057.40)	(6,788,315.54)
605000	Special Assessments Revenue				0.00
655000	Income From Investments	(1,692,611.41)			(1,692,611.41)
670000	Other Revenues				0.00
	REVENUES	(1,692,611.41)	0.00	0.00	(1,692,611.41)
730000	Contractual Services		3,926,091.19	4,208,277.00	8,134,368.19
770000	Internal Support Expenditures		42,512.49	81,676.28	124,188.77
	EXPENSES	0.00	3,968,603.68	4,289,953.28	8,258,556.96
381315	FB Restricted Debt	(47,288,433.00)			(47,288,433.00)
382100	FB Committed for Capital Proj	46,673,653.21	(9,369,092.33)	(16,768,306.88)	20,536,254.00
	Fund Balance	(614,779.79)	(9,369,092.33)	(16,768,306.88)	(26,752,179.00)
		0.00	0.00	(0.00)	(0.00)

Cash as of 05/31/2023 \$ 27,069,803.65

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (147,588.87)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (125,000.00)

Total Net Cash Balance \$ 26,797,214.78

OCM Project Work In Progress**Company**
Projects and Project Hierarchies
Budget Structure
PeriodOakland County
PRJ-13308 OMID NI-EA CONSTRUCTION
Project Task
FY2023 - May

Project	Final Budget	Actuals MTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	28,395,600.00	941,196.25	3,968,603.68	3,968,603.68	20,587,438.56	7,808,161.44
1 > Administration	584,000.00	0.00	0.00	0.00	175,749.40	408,250.60
1 > Contingency	2,581,000.00	0.00	0.00	0.00	0.00	2,581,000.00
1 > Engineering	478,000.00	4,208.88	40,294.22	40,294.22	164,229.81	313,770.19
1 > Engineering Consultants	4,913,000.00	925,895.71	1,795,329.34	1,795,329.34	4,866,381.75	46,618.25
1 > Facility Acquisition	17,983,600.00	0.00	1,926,781.36	1,926,781.36	14,892,019.71	3,091,580.29
1 > Inspection	260,000.00	0.00	0.00	0.00	0.00	260,000.00
1 > Legal and Financial	1,259,000.00	675.00	107,788.09	107,788.09	232,011.59	1,026,988.41
1 > Right of Way	265,000.00	0.00	2,218.27	2,218.27	78,714.29	186,285.71
1 > Standard	40,000.00	10,416.66	96,192.40	96,192.40	178,332.01	(138,332.01)
1 > Survey	32,000.00	0.00	0.00	0.00	0.00	32,000.00
Project Revenues	0.00	0.00	0.00	0.00	25,987,927.21	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	4,022,827.56	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	21,965,099.65	
Revenue Over/ (Under) Expenses					5,400,488.65	

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13309 NESPS MECH-ELEC CONSTRUCTION
Budget Structure Project Task
Period FY2023 - May

Project	Final Budget	Actuals MTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	54,086,000.00	664,577.10	4,289,953.28	4,289,953.28	36,651,175.50	17,434,824.50
1 > Administration	620,000.00	0.00	(51,255.00)	(51,255.00)	44,200.00	575,800.00
1 > Contingency	4,917,000.00	0.00	0.00	0.00	0.00	4,917,000.00
1 > Engineering	446,000.00	13,661.62	56,773.66	56,773.66	248,032.06	197,967.94
1 > Engineering Consultants	3,987,000.00	100,741.10	69,273.47	69,273.47	2,700,085.22	1,286,914.78
1 > Facility Acquisition	40,857,000.00	546,960.20	4,060,709.32	4,060,709.32	32,338,774.53	8,518,225.47
1 > Inspection	285,000.00	2,225.18	24,132.16	24,132.16	365,439.61	(80,439.61)
1 > Legal and Financial	2,417,000.00	586.50	55,526.89	55,526.89	235,326.89	2,181,673.11
1 > Right of Way	393,000.00	0.00	0.00	0.00	0.00	393,000.00
1 > Standard	130,000.00	0.00	74,022.32	74,022.32	718,546.73	(588,546.73)
1 > Survey	34,000.00	402.50	770.46	770.46	770.46	33,229.54
Project Revenues	0.00	0.00	0.00	0.00	49,129,529.10	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	7,291,907.09	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	41,837,622.01	
Revenue Over/ (Under) Expenses					12,478,353.60	

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13252 OMID Segment 5
Budget Structure Project Task
Budget Name
Period FY2023 - May

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
1 > Standard	0.00	0.00	0.00	0.00
Project Revenues	34,009.04	1,692,611.41	(1,692,611.41)	3,064,527.77
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	894,060.05
RC655077 - Accrued Interest Adjustments	(27,086.92)	63,290.34	(63,290.34)	(80,618.95)
RC655385 - Income from Investments	61,095.96	237,694.46	(237,694.46)	1,164,999.34
RC655462 - Increase Market Value Investment	0.00	1,391,626.61	(1,391,626.61)	1,084.24
RC670513 - Prior Years Revenue	0.00	0.00	0.00	0.00
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				2,307,391.20

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

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	3,701,139.60	3,419,461.62	2,483,228.50	7,636,827.16		17,240,656.88
84917	OMIDD Seg 5						
	- Project 1-3252 Interceptor Seg 5					2,307,391.20	
	- Project 1-3308 NI - EA Construction					5,400,488.65	
	- Project 1-3309 NESPS Construction					<u>12,478,353.60</u>	<u>20,186,233.45</u>
Total Equity in Maintenance and Construction Funds							<u><u>37,426,890.33</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 06/21/2023

		84917 1-3308	84917 1-3309	82912	
Payable To	Invoice #	Segment 5 NIEA Construction	Segment 5 NESPS Mech / Electric Construction	Operations & Maintenance	Total
Oakland County *	WRC Labor/Fringes/Non-direct Labor (08/27/2022 - 09/23/2022)	4,110.07	15,627.30		19,737.37
Oakland County *	WRC Equipment (08/27/2022 - 09/23/2022)	98.81	662.00		760.81
Clark Hill PLC	Invoice # 1314150 Matter 404547 NIEA Improvements Services Through 04/30/2023	3,078.00			3,078.00
Clark Hill PLC	Invoice # 1314069 Matter 463149 NIEA Improvements Services Through 04/30/2023	586.50			586.50
CSM Mechanical, LLC	Invoice # 23-185.1 Remove and Replace VFD 1&2 4/30/2023			27,805.20	27,805.20
CSM Mechanical, LLC	Invoice # 23-277 Tarp - Suctoin side of Bio Filter fans 5/22/2023			3,820.00	3,820.00
Meadowbrook Insurance Agency	Invoice # 12290 renewal of OMIDD NESPS NIEA OCIP Admin Fee 7/1/23 - 7/1/24		125,000.00		\$125,000.00
METCO	Invoice # 1811-53 05/01/2023 Through 05/28/2023			61,851.31	\$61,851.31
NTH Consultants	Invoice # 632999 NIEA Design for PCI-4 4/22/2023 - 04/21/2023	8,848.66			8,848.66
NTH Consultants	Invoice # 632998 (D-425) Engineering Services 4/22/2023 - 05/24/2023	114,579.76			114,579.76
NTH Consultants	Invoice # 633000 OMIDD System Inspection 04/22/2023 Through 05/26/2023			6,375.38	6,375.38
NTH Consultants	Invoice # 633001 Rehab Close-Out & NESPS Maintenanc Tasks 4/22/2023 - 5/26/2023			2,822.30	2,822.30
PMA Consultants	Invoice # 03559.01 - 35 Professional Services Through 04/30/23	20,495.95			\$20,495.95
PM Technologies	Invoice # 80929225 NESPS Generator 1 Service Call Date 05/15/2023			527.50	527.50
PM Technologies	Invoice # 80992945 NESPS Generator 1 Service Call Date 05/17/2023			527.50	527.50
	Total Invoices/Reimbursements for Approval	\$151,797.75	\$141,289.30	\$103,729.19	396,816.24
	* Less WRC Charges already paid from OMI Fund	(4,208.88)	(16,289.30)		(20,498.18)
	Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board	\$147,588.87	\$125,000.00	\$103,729.19	\$376,318.06

Agenda Item No. 11

Invoices

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 4/22/23 - 5/19/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094849	04/26/23	04/10/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	BROWN, JOEL	3.50	460.43	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	BROWN, JOEL	3.00	394.65	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	BROWN, JOEL	3.00	394.65	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	04/26/23	04/18/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	04/26/23	04/20/23	BROWN, JOEL	4.00	526.20	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	BROWN, JOEL	5.00	657.75	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	05/17/23	04/24/23	BROWN, JOEL	5.00	657.75	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	05/17/23	04/25/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	05/17/23	04/26/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	05/17/23	04/27/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	05/17/23	05/01/23	BROWN, JOEL	3.00	394.65	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	05/17/23	05/02/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	05/17/23	05/04/23	BROWN, JOEL	4.00	526.20	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	05/17/23	05/05/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		5,590.90				
1170500	04/25/23	04/25/23	LAWREY, DAVID	5.00	388.80	REGULAR	WRCROW	PRJ-13309	SURVEY
			LAWREY, DAVID Total		388.80				
1094849	04/26/23	04/10/23	LOCKHART, SIDNEY	3.00	429.06	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	04/26/23	04/11/23	LOCKHART, SIDNEY	4.00	572.08	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	LOCKHART, SIDNEY	4.00	572.08	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	LOCKHART, SIDNEY	4.00	572.08	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	LOCKHART, SIDNEY	4.00	572.08	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	LOCKHART, SIDNEY	4.00	572.08	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	04/26/23	04/20/23	LOCKHART, SIDNEY	5.00	715.10	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	LOCKHART, SIDNEY	4.00	572.08	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	05/08/23	05/01/23	LOCKHART, SIDNEY	2.00	286.04	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	05/08/23	05/02/23	LOCKHART, SIDNEY	3.00	429.06	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	05/08/23	05/03/23	LOCKHART, SIDNEY	3.00	429.06	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	05/08/23	05/04/23	LOCKHART, SIDNEY	3.00	429.06	REGULAR	WRCADM	PRJ-13309	ENGINEERING
			LOCKHART, SIDNEY Total		6,149.86				
1050210	05/17/23	05/08/23	POUSHO, ROBERT	5.00	287.00	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	05/17/23	05/09/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	05/17/23	05/11/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	05/17/23	05/16/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	05/17/23	05/18/23	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		2,123.80				
1131289	04/26/23	04/10/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	04/26/23	04/17/23	PUSCAS, JACK J	3.00	242.46	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	04/26/23	04/18/23	PUSCAS, JACK J	7.00	565.74	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	05/09/23	04/24/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	05/09/23	04/26/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	05/09/23	05/01/23	PUSCAS, JACK J	4.00	323.28	REGULAR	WRCADM	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		1,373.94				
			Grand Total		15,627.30				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 4/21/23 - 5/19/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094849	04/26/23	04/10/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/10/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/10/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	BROWN, JOEL	3.50	0.88	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	BROWN, JOEL	3.50	1.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	BROWN, JOEL	3.50	8.19	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	BROWN, JOEL	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	BROWN, JOEL	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	BROWN, JOEL	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	BROWN, JOEL	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	BROWN, JOEL	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	BROWN, JOEL	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/18/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/18/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/18/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/20/23	BROWN, JOEL	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/20/23	BROWN, JOEL	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/20/23	BROWN, JOEL	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	BROWN, JOEL	5.00	1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	BROWN, JOEL	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	BROWN, JOEL	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	04/24/23	BROWN, JOEL	5.00	1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/17/23	04/24/23	BROWN, JOEL	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/17/23	04/24/23	BROWN, JOEL	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	04/25/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	04/25/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/17/23	04/25/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/17/23	04/26/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/17/23	04/26/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/17/23	04/26/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	04/27/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	04/27/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/17/23	04/27/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/17/23	05/01/23	BROWN, JOEL	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/17/23	05/01/23	BROWN, JOEL	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/17/23	05/01/23	BROWN, JOEL	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	05/02/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	05/02/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/17/23	05/02/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/17/23	05/04/23	BROWN, JOEL	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/17/23	05/04/23	BROWN, JOEL	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/17/23	05/04/23	BROWN, JOEL	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	05/05/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/17/23	05/05/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/17/23	05/05/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		127.10				
1170500	04/25/23	04/25/23	LAWREY, DAVID	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	SURVEY
1170500	04/25/23	04/25/23	LAWREY, DAVID	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	SURVEY
			LAWREY, DAVID Total		13.70				
1094849	04/26/23	04/10/23	LOCKHART, SIDNEY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/10/23	LOCKHART, SIDNEY	3.00	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	04/26/23	04/10/23	LOCKHART, SIDNEY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/10/23	LOCKHART, SIDNEY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/11/23	LOCKHART, SIDNEY	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/11/23	LOCKHART, SIDNEY	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/11/23	LOCKHART, SIDNEY	4.00	22.76	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	04/26/23	04/11/23	LOCKHART, SIDNEY	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	LOCKHART, SIDNEY	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	LOCKHART, SIDNEY	4.00	22.76	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	LOCKHART, SIDNEY	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/12/23	LOCKHART, SIDNEY	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	LOCKHART, SIDNEY	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	LOCKHART, SIDNEY	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	LOCKHART, SIDNEY	4.00	22.76	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	04/26/23	04/13/23	LOCKHART, SIDNEY	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	LOCKHART, SIDNEY	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	LOCKHART, SIDNEY	4.00	22.76	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	LOCKHART, SIDNEY	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/17/23	LOCKHART, SIDNEY	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	LOCKHART, SIDNEY	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	LOCKHART, SIDNEY	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	LOCKHART, SIDNEY	4.00	22.76	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	04/26/23	04/19/23	LOCKHART, SIDNEY	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING

1094849	04/26/23	04/20/23	LOCKHART, SIDNEY	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	04/26/23	04/20/23	LOCKHART, SIDNEY	5.00	28.45	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	04/26/23	04/20/23	LOCKHART, SIDNEY	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/20/23	LOCKHART, SIDNEY	5.00	1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	LOCKHART, SIDNEY	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	LOCKHART, SIDNEY	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	LOCKHART, SIDNEY	4.00	22.76	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	04/26/23	04/21/23	LOCKHART, SIDNEY	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/08/23	05/01/23	LOCKHART, SIDNEY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/08/23	05/01/23	LOCKHART, SIDNEY	2.00	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	05/08/23	05/01/23	LOCKHART, SIDNEY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/08/23	05/01/23	LOCKHART, SIDNEY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/08/23	05/02/23	LOCKHART, SIDNEY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/08/23	05/02/23	LOCKHART, SIDNEY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/08/23	05/02/23	LOCKHART, SIDNEY	3.00	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	05/08/23	05/02/23	LOCKHART, SIDNEY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/08/23	05/03/23	LOCKHART, SIDNEY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	05/08/23	05/03/23	LOCKHART, SIDNEY	3.00	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	05/08/23	05/03/23	LOCKHART, SIDNEY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/08/23	05/03/23	LOCKHART, SIDNEY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/08/23	05/04/23	LOCKHART, SIDNEY	3.00	0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	05/08/23	05/04/23	LOCKHART, SIDNEY	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	05/08/23	05/04/23	LOCKHART, SIDNEY	3.00	17.07	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	05/08/23	05/04/23	LOCKHART, SIDNEY	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			LOCKHART, SIDNEY Total		373.24				
1050210	05/17/23	05/08/23	POUSHO, ROBERT	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	05/17/23	05/08/23	POUSHO, ROBERT	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	05/17/23	05/09/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	05/17/23	05/09/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	05/17/23	05/11/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	05/17/23	05/11/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	05/17/23	05/16/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	05/17/23	05/16/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	05/17/23	05/18/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	05/17/23	05/18/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		101.38				
1131289	04/26/23	04/10/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	04/26/23	04/10/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	04/26/23	04/17/23	PUSCAS, JACK J	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	04/26/23	04/17/23	PUSCAS, JACK J	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	04/26/23	04/18/23	PUSCAS, JACK J	7.00	2.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	04/26/23	04/18/23	PUSCAS, JACK J	7.00	16.38	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	05/09/23	04/24/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	05/09/23	04/24/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	05/09/23	04/26/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	05/09/23	04/26/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	05/09/23	05/01/23	PUSCAS, JACK J	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	05/09/23	05/01/23	PUSCAS, JACK J	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		46.58				
			Grand Total		662.00				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 4/22/23 - 5/19/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094815	4/26/23	4/11/23	BROWN, JOEL	0.50	65.78	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	4/26/23	4/13/23	BROWN, JOEL	0.50	65.78	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	4/26/23	4/14/23	BROWN, JOEL	4.00	526.20	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	4/26/23	4/17/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	4/26/23	4/18/23	BROWN, JOEL	4.00	526.20	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	4/26/23	4/19/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	5/17/23	4/24/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	5/17/23	4/25/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	5/17/23	4/27/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	5/17/23	5/1/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	5/17/23	5/2/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	5/17/23	5/4/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	5/17/23	5/5/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
			BROWN, JOEL Total		2,959.90				
1164853	5/5/23	4/17/23	COOK, JENNIFER	0.50	55.13	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	5/5/23	4/18/23	COOK, JENNIFER	3.00	330.75	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	5/5/23	4/19/23	COOK, JENNIFER	0.50	55.13	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	5/5/23	4/27/23	COOK, JENNIFER	0.50	55.13	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	5/5/23	4/28/23	COOK, JENNIFER	2.00	220.50	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	5/5/23	5/1/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		826.89				
1131284	4/26/23	4/11/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	4/26/23	4/18/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	5/9/23	4/25/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	5/9/23	5/2/23	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		323.28				
			Grand Total		4,110.07				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 4/22/23 - 5/19/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094815	4/26/23	4/11/23	BROWN, JOEL	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	4/26/23	4/11/23	BROWN, JOEL	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	4/26/23	4/11/23	BROWN, JOEL	0.50	0.13	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	4/26/23	4/13/23	BROWN, JOEL	0.50	0.13	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	4/26/23	4/13/23	BROWN, JOEL	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	4/26/23	4/13/23	BROWN, JOEL	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	4/26/23	4/14/23	BROWN, JOEL	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	4/26/23	4/14/23	BROWN, JOEL	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	4/26/23	4/14/23	BROWN, JOEL	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	4/26/23	4/17/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	4/26/23	4/17/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	4/26/23	4/17/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	4/26/23	4/18/23	BROWN, JOEL	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	4/26/23	4/18/23	BROWN, JOEL	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	4/26/23	4/18/23	BROWN, JOEL	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	4/26/23	4/19/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	4/26/23	4/19/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	4/26/23	4/19/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	5/17/23	4/24/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	5/17/23	4/24/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	5/17/23	4/24/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	5/17/23	4/25/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	5/17/23	4/25/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	5/17/23	4/25/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	5/17/23	4/27/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	5/17/23	4/27/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	5/17/23	4/27/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	5/17/23	5/1/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	5/17/23	5/1/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	5/17/23	5/1/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	5/17/23	5/2/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	5/17/23	5/2/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	5/17/23	5/2/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	5/17/23	5/4/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	5/17/23	5/4/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	5/17/23	5/4/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	5/17/23	5/5/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	5/17/23	5/5/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	5/17/23	5/5/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
			BROWN, JOEL Total		67.30				
1164853	5/5/23	4/17/23	COOK, JENNIFER	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	5/5/23	4/17/23	COOK, JENNIFER	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	5/5/23	4/18/23	COOK, JENNIFER	3.00	7.02	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	5/5/23	4/18/23	COOK, JENNIFER	3.00	1.20	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	5/5/23	4/19/23	COOK, JENNIFER	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	5/5/23	4/19/23	COOK, JENNIFER	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	5/5/23	4/27/23	COOK, JENNIFER	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	5/5/23	4/27/23	COOK, JENNIFER	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	5/5/23	4/28/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	5/5/23	4/28/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	5/5/23	5/1/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	5/5/23	5/1/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		20.55				
1131284	4/26/23	4/11/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	4/26/23	4/11/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	4/26/23	4/18/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	4/26/23	4/18/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	5/9/23	4/25/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	5/9/23	4/25/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	5/9/23	5/2/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	5/9/23	5/2/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		10.96				
			Grand Total		98.81				

00184061
05/23/23

Hold



Clark Hill

WRC
RQ # 00028722
PO # 00029428
RC # 00034527

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

5/19/2023

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

Invoice: 1314069
Date: 05/15/2023
Client: 30164
Matter: 463149

Matter Name: Construction Dispute - Welch Construction

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH APRIL 30, 2023

Total Fees:	\$	586.50
Total Due This Invoice:	\$	586.50

KC 05/16/2023



SR

Oakland-Macomb Interceptor Drain Drainage District
Attn: Megan Koss, Esq.
1 Public Works Drive
Waterford, MI 48328
WRClegalinvoices@oakgov.com

Invoice: 1314150
Date: 05/15/2023
Client: 58434
Matter: 404547

**84917-6010101-149015-731073-2603- 1-3308-LEGAL- Ch. 21
v#4716 - li#24138 - exp. 12/31/23**

Matter Name: Northeast Interceptor East Arm Improvements

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH APRIL 30, 2023

Total Fees:	\$	3,078.00
Total Due This Invoice:	\$	3,078.00



CSM Mechanical, LLC

1235 Holden Ave.
Milford, MI 48381

Phone # (248) 302-2078
Fax # (248) 856-2370

Invoice

Date	Invoice #
4/30/2023	23-185.1

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

Ship To
OMIDD 11010 E. State Fair St. Detroit, MI

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

P.O. Number	Terms	Due Date
	Net 60	6/29/2023

Description	Amount
BTF VFD 1 and 2 Repairs	
Subcontract costs - Remove and Repair VFD 1 and 2	18,000.00
Subcontract costs - Voltage Monitoring	2,100.00
Subcontract costs - Installation and Programming of VFD 1&2	4,500.00
Labor	648.00
Sub Contract Profit	2,460.00
Overhead and Profit	97.20
<i>TM-5-10-23</i>	

		Total	\$27,805.20
WE ACCEPT MASTER CARD, VISA, AND DISCOVER CARD		Payments/Credits	\$0.00
		Balance Due	\$27,805.20





CSM Mechanical, LLC

1235 Holden Ave.
Milford, MI 48381

Phone # (248) 302-2078
Fax # (248) 856-2370

Invoice

Date	Invoice #
5/22/2023	23-277

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

Ship To
OMIDD 11010 E. State Fair St. Detroit, MI

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

P.O. Number	Terms	Due Date
	Net 60	7/21/2023

Description	Amount
Tarp in suction side of Bio-filter fans	
Labor	2,200.00
Vehicle/Tool Allowance	170.00
Equipment Rental - 40' Boom Lift	1,200.00
Emergency Repair Fee	250.00
<i>TM-5-29-23</i>	

		Total	\$3,820.00	✓
		Payments/Credits	\$0.00	
		Balance Due	\$3,820.00	✓

WE ACCEPT MASTER CARD, VISA, AND DISCOVER CARD



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

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

OCIP Project: OMIDD NESPS NIEA

84917 - 6010101 - 149015 - 730940 - STD - 4724 - 1-3309 - Ch. 21

Invoice # 12290	Page 1 of 1
Account Number	Date
OAKLINT-01	6/9/2023
BALANCE DUE ON	
7/9/2023	
AMOUNT PAID	Amount Due
	\$125,000.00

Payment Methods:

ACH/Wire Information

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

Mail and Make Checks Payable to:

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

OCIP Administration Service Fee	Policy Number	OCIPADMINFEE	Effective: 7/1/2023 to 7/1/2024
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Item #	Trans Eff Date	Due Date	Trans	Description	Amount
638907	6/26/2020	7/9/2023	RENB	Renewal of OMIDD NESPS NIEA OCIP Administration Fee	\$125,000.00

Total Invoice Balance: \$125,000.00

Payment due upon receipt.



INVOICE NO. 1811-53

DATE: June 1, 2023

METCO PROJECT NO. 1811

INVOICE PERIOD: 5/1 thru 5/28/2023

Contract ID 000000000000000000005517

Vendor ID 0000020486

TO: OMIDD
Water Resources Commissioner
One Public Works Drive
Waterford, MI 48328
Attn: Mr. Sid Lockhart, PE
Deputy Chief Engineer/Special Projects Manager

TITLE: OMID & NESPS Operation and Maintenance

Operational Plan

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

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Raj Vijayendran, PE, Terry Moore, Darrin Green, Anthony Vozza, Rosana Santos. Subtotal OMID Operatons: \$ 14,402.50

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

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Raj Vijayendran, PE, Terry Moore, Darrin Green, Anthony Vozza, Rosana Santos. Subtotal NEPS Operations \$ 13,642.66. Subtotal Operations \$ 28,045.16

Maintenance & Asset Management

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

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Terry Moore, Anthony Vozza, Darrin Green. Subtotal OMID Maintenance: \$ 4,930.00

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

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Rows include Raj Vijayendran, PE, Terry Moore, Daniel Martel, Sean Grant, Travis Ford, Shailesh Patel, Darrin Green. Subtotal NEPS Maintenance: \$ 10,000.00

Darrin Green	Staff Engineer-(Overtime)	5.5	\$	135.00	\$	742.50
Anthony Vozza	Staff Engineer	57.0	\$	90.00	\$	5,130.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
	Subtotal:		\$		\$	20,235.00
	Maintenance Services (see attached invoices):		\$		\$	1,951.15
	Subtotal NEPS Maintenance:		\$		\$	22,186.15
	Subtotal Maintenance:		\$		\$	27,116.15

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	12.0	\$	145.00	\$	1,740.00
Darrin Green	Staff Engineer	0.0	\$	90.00	\$	-
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Anthony Vozza	Staff Engineer	0.0	\$	90.00	\$	-
Abhishek Shah	Staff Engineer	55.0	\$	90.00	\$	4,950.00
Brandon Brochue	Designer/Drafter		\$	85.00	\$	-
	Subtotal Maintenance:		\$		\$	6,690.00

Task 12.0 - As-Needed Services

Additional General/Excess Liability Insurance Fee:	\$	-
Subtotal 12.0:	\$	-

TOTAL AMOUNT DUE THIS INVOICE: \$ 61,851.31



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

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

Invoice # : 632998
Project : 61-200186
Invoice Group : **
Invoice Date : 6/8/2023

Attentior Sid Lockhart

For Professional Services Rendered from 4/22/2023 - 5/24/2023

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

Task 01	NI-EA OMID Contract No. 1 CCA	\$2,262,847.00
Task 02	OMID CS-9 Gate CCA	<u>\$217,468.00</u>
	Preliminary Budget Amount	\$2,480,315.00
	Percent Complete:	99.85%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	32,179.18	\$ 562,568.36
Overhead %	188.00	60,496.86	1,057,628.53
Total Regular Labor Expense		<u>92,676.04</u>	<u>1,620,196.89</u>
Total Direct Labor		92,676.04	1,620,196.89
Profit / Fixed Fee %	12.00	11,121.12	194,423.65
Direct Expenses Charge		4,006.97	47,178.88
Expense Multiplier %	5.00	200.35	2,358.93
Direct Subcontractor Charge		6,203.09	577,734.24
Subcontractor/Subconsultant Multiplier %	6.00	372.19	34,664.13
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		<u>10,782.60</u>	<u>661,936.18</u>
Total Costs:		<u>114,579.76</u>	<u>2,476,556.72</u>
Total Due This Invoice		<u>\$ 114,579.76</u>	<u>\$ 2,476,556.72</u>



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

**84917 - 6010101 - 149015 - 730639 - 2603 - 1-3308 - Ch.21 v#4716 - li#24138 -
exp. 12/31/23**

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

Invoice # : 632999
Project : 61-190078
Invoice Group : NI-EA
Invoice Date : 6/8/2023

Attention: Sid Lockhart

For Professional Services Rendered from 4/22/2023 - 5/26/2023

Engineering Design Services for Rehabilitation of NI-EA Sections PCI-4

Task 01	Project Management	\$276,159.00
Task 02	Condition Assessment	\$241,609.00
Task 03	Subsurface Utility Engineering	\$65,579.00
Task 04	Basemap Survey	\$89,327.00
Task 05	Geotechnical Investigation	\$134,797.00
Task 05A	7-Mile Utility Exploration/Design	\$0.00
Task 05B	Additional Geotech for PCI-4 Shaft	\$0.00
Task 06	Environmental Study	\$60,642.00
Task 07	Basis of Design	\$379,785.00
Task 08	Rehabilitation Design	\$282,099.00
Task 09	Contract Drawings	\$235,070.00
Task 10	Contract Specifications	\$188,178.00
Task 11	Construction Costs	\$27,761.00
Task 12	Permits & Coordination	\$25,655.00
Task 13	Bidding Assistance	\$198,402.00
Task 14	Gate Automation	\$68,770.00
Task 15	Odor & Air Flow Study	\$103,470.00

Preliminary Budget Amount \$2,377,303.00
Percent Complete: 98.97%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 2,433.02	\$ 346,919.51
Overhead %	188.00	<u>4,574.08</u>	<u>652,208.71</u>
Total Regular Labor Expense		7,007.10	999,128.22
Total Direct Labor		7,007.10	997,507.05
Profit / Fixed Fee %	12.00	840.85	119,895.36
Direct Expenses Charge		0.00	30,633.17
Expense Multiplier %	5.00	0.00	1,531.70
Direct Subcontractor Charge		944.07	1,133,666.97
Subcontractor/Subconsultant Multiplier %	6.00	56.64	68,020.15
Total Other Direct Charges Reimbursables		<u>1,000.71</u>	<u>1,233,851.99</u>
Total Costs:		<u>8,848.66</u>	<u>2,352,875.57</u>
Total Due This Invoice		<u>\$ 8,848.66</u>	<u>\$ 2,352,875.57</u>



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

82912 - 6010101 - 149662 - 731458- 2603 - Ch. 21 - v#238 - li#24138 - exp. 12/31/23

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

Invoice # : 633000
 Project : 61210124
 Invoice Group : **
 Invoice Date : 6/8/2023

Attention: Sid Lockhart

For Professional Services Rendered from **4/22/2023** - **5/26/2023**

Consulting Services Regarding 2021 OMID System Inspection

Task 01 Inspection and Reporting \$526,974.00
 Preliminary Budget Amount \$526,974.00
 Percent Complete: 56.70%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 638.14	\$ 17,920.69
Overhead %	188.00 1,199.70	33,690.89
Total Regular Labor Expense	1,837.84	51,611.58
Total Direct Labor	1,837.84	1,837.84
Profit / Fixed Fee %	12.00 220.54	6,193.39
Direct Expenses Charge	0.00	855.92
Expense Multiplier %	5.00 0.00	42.82
Direct Subcontractor Charge	4,072.64	226,490.59
Subcontractor/Subconsultant Multiplier %	6.00 244.36	13,589.44
Direct Unit Rate Charge	0.00	0.00
Total Other Direct Charges Reimbursables	4,317.00	240,978.77
Total Costs:	6,375.38	298,783.74
Total Due This Invoice	\$ 6,375.38	\$ 298,783.73



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

**82919-6010101-149662-731458-2603 - Ch. 21 -
v#238 - li # 24138 - exp. 12-31-23**

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

**Invoice # : 633001
Project : 61-210313
Invoice Group : **
Invoice Date : 6/8/2026**

Attention Sid Lockhart

For Professional Services Rendered from 4/22/2023 - 5/26/2023

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:	79.45%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 0.00	\$ 9,637.11
Overhead %	188.00 0.00	18,117.75
Total Regular Labor Expense	0.00	27,754.86
Total Direct Labor	0.00	27,754.86
Profit / Fixed Fee %	12.00 0.00	3,330.58
Direct Expenses Charge	0.00	126.24
Expense Multiplier %	5.00 0.00	6.31
Direct Subcontractor Charge	2,687.90	21,775.14
Subcontractor/Subconsultant Multiplier %	5.00 134.40	1,088.78
Total Other Direct Charges Reimbursables	2,822.30	22,996.47
Total Costs:	2,822.30	54,081.91
Total Due This Invoice	\$ 2,822.30	\$ 54,081.91



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

BILL TO

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

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

INVOICE 80929225	INVOICE DATE May 15, 2023
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JOB ADDRESS

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

Completed Date: 5/15/2023
Payment Term: NET 30
Due Date: 6/14/2023

TASK	DESCRIPTION	QTY	PRICE	TOTAL
Comm Service Call	Commercial Service Call	1.00	\$205.00	\$205.00
CAT/KATO A269500000 13669-05				
CLAB	Commercial Labor	2.50	\$129.00	\$322.50
CAT/KATO A269500000 13669-05				

SUB-TOTAL \$527.50

TOTAL DUE \$527.50

BALANCE DUE **\$527.50**

Thank you for choosing PM Technologies

TM - 5-17-23



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

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

BILL TO

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

INVOICE 80992945	INVOICE DATE May 17, 2023
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JOB ADDRESS

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

Completed Date: 5/17/2023
Payment Term: NET 30
Due Date: 6/16/2023

TASK	DESCRIPTION	QTY	PRICE	TOTAL
Comm Service Call	Commercial Service Call	1.00	\$205.00	\$205.00
CAT/KATO A269500000 13669-05				
CLAB	Commercial Labor	2.50	\$129.00	\$322.50
CAT/KATO A269500000 13669-05				

SUB-TOTAL	\$527.50
TOTAL DUE	\$527.50
BALANCE DUE	\$527.50

Thank you for choosing PM Technologies

TM-5-17-23



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

May 10, 2023

Invoice No: 03559.01 - 35

**84917 - 6010101 - 149015 - 731458- 6096- 1-3308 - ch21 - engcon - v#16918
- exp. 5/29/23**

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

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

Task 1.0 Oakland-Macomb Interceptor Drainage 2020

Professional Personnel

	Hours	Rate	Amount	
Zann, John	62.00	110.00	6,820.00	
Totals	62.00		6,820.00	
Total Labor				6,820.00

Additional Fees

Overhead	149.10 % of 6,820.00		10,168.62	
Profit	10.00 % of 16,988.62		1,698.86	
Total Additional Fees			11,867.48	11,867.48

Total this Task \$18,687.48

Task 2.0 MCC Delay Work

Professional Personnel

	Hours	Rate	Amount	
Zann, John	6.00	110.00	660.00	
Totals	6.00		660.00	
Total Labor				660.00

Additional Fees

Overhead	149.10 % of 660.00		984.06	
Profit	10.00 % of 1,644.06		164.41	
Total Additional Fees			1,148.47	1,148.47

Total this Task \$1,808.47

Billing Limits

	Current	Prior	To-Date
Total Billings	20,495.95	397,791.27	418,287.22
Limit			450,000.00
Remaining			31,712.78

Total this Invoice \$20,495.95

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

Agenda Item No. 12

Other Business

Agenda Item No. 13

Adjourn