

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

October 18, 2023 – 11:30 a.m.

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

1. Call meeting to order

Board Members:

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

2. Motion to approve the meeting agenda for October 18, 2023
3. Motion to approve the Drainage District Board Meeting Minutes from September 20, 2023
4. Public Comment
5. Motion to approve the following Engineering Work Orders:
 - a) NTH for Additional Construction and Materials Testing Services on the NESPS Pumping and Electrical Upgrades Project to increase contract #2603 for a not-to-exceed amount of \$59,536
 - b) NTH for Project Management Software Procurement on the NI-EA Contract 2: PCI-18 and PCI-19 Rehabilitation Project to increase contract #2603 for a not-to-exceed amount of \$33,500
6. Motion to approve the following Change Order:
 - a) Walsh Construction Change Order No. 37 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$15,030.49
7. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 36 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$ 700,473.10 with a transfer to the Oakland County Treasurer in the amount of \$15,870.65
 - b) Construction Estimate No. 31 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$190,100.00
 - c) Construction Estimate No. 2 for Z Contractors for NI-EA Contracts 2A and 2B – PCI 18 and 18 Rehabilitation in the amount of \$52,499.99 with a transfer to the Oakland County Treasurer in the amount of \$5,833.34
8. Status of OMID Repairs Project

9.	Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing		
10.	Motion to approve the following invoices:		
	1) Labor/Fringes/Non-Direct Labor Factor		
	• Segment 5 NI-EA Construction		\$ 9,957.27
	• Segment 5 NESPS Mech./Elect. Construction		\$ 10,962.94
	2) Equipment Charges		
	• Segment 5 NI-EA Construction		\$ 282.42
	• Segment 5 NESPS Mech./Elect. Construction		\$ 385.40
a)	ASI		
	1) Invoice No. 54-8495	NESPS	\$ 86,685.85
		O&M	\$ 27,537.70
	2) Invoice No. 54a-8497	O&M	\$ 58,377.36
	3) Invoice No. 55-8512	NESPS	\$ 85,746.43
		O&M	\$ 5,489.60
	4) Invoice No. 55a-8514	O&M	\$ 61,771.86
b)	Clark Hill		
	1) Invoice No. 1352166	NESPS	\$ 1,810.50
	2) Invoice No. 1352819	NI-EA	\$ 23,980.00
	3) Invoice No. 1353143	O&M	\$ 1,782.00
c)	CSM		
	Invoice No. 23-444	O&M	\$ 1,183.94
d)	Inland Lakes Landscaping Corps.		
	Invoice No. 24727	O&M	\$ 1,825.00
e)	Lardner Elevator		
	1) Invoice No. 198877	O&M	\$ 204.00
	2) Invoice No. 199012	O&M	\$ 1,557.00
f)	MCFI		
	Invoice No. 1265	NI-EA	\$ 25,275.00
g)	Meadowbrook Insurance		
	Invoice No. 12925	NESPS	\$ 46,410.00
h)	Metco		
	Invoice No. 1811-57	O&M	\$ 79,579.78
i)	Moody		
	Invoice No. P0447338	NI-EA	\$ 19,500.00
j)	NTH Consultants, Ltd		
	1) Contract No. 1 PCI-4 Rehabilitation		
	Invoice No. 633967	NI-EA	\$ 58,316.42
	2) Additional NESPS Maintenance Engineering Services		
	Invoice No. 633968	O&M	\$ 241.03
	3) OMID Rehab. 2021 Closeout Services		
	Invoice No. 633969	O&M	\$ 1,120.14
	4) OMID System Inspection		
	Invoice No. 633970	O&M	\$ 1,312.40
	5) Engineering/Consulting Services PCI-18 and PCI-19 Rehabilitation		
	Invoice No. 633971	NI-EA	\$ 30,191.81
k)	PM Technologies		
	1) Invoice No. 82710934	O&M	\$ 650.00
	2) Invoice No. 83640399	O&M	\$ 1,050.00

l) PMA Consultants			
Invoice No. 03559.01-39	NI-EA	\$	18,687.48
m) Rotor Electric			
1) Invoice No. 12620	O&M	\$	2,597.51
2) Invoice No. 12654	O&M	\$	2,490.50
3) Invoice No. 12655	O&M	\$	2,834.31
4) Invoice No. 12656	O&M	\$	900.28
5) Invoice No. 12658	O&M	\$	732.50
6) Invoice No. 12659	O&M	\$	1,004.75
7) Invoice No. 12660	O&M	\$	1,623.75
8) Invoice No. 12661	O&M	\$	18,729.00
9) Invoice No. 12662	O&M	\$	783.75
10) Invoice No. 12663	O&M	\$	2,276.73
n) Young Insurance			
1) Invoice No. 20230594	O&M	\$	15,737.27
2) Invoice No. 20230595	O&M	\$	4,213.10

11. Other Business

12. Adjourn

Next Regular Meeting: November 15, 2023, at 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from September 20, 2023

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

September 20, 2023

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

PRESENT:

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

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker, Stephen Downing and Norb Franz. Representing the office of the Oakland County Water Resources Commissioner: Steve Korth, Brian Coburn, Joel Brown, Jen Cook, Meg Koss and Stephanie Lajdziak. Others in attendance: Fritz Klingler, FK Engineering; Terry Moore, Metco; Shawn Phelps, OC Fiscal Services; Larry Gilbert, Saju Sachidanandan, and Michelle Kitzinger, NTH Consultants; Steven Burke, MCFI; Dave Pauline, Walsh; Brady Harrington, MDARD; Joe Colaianne, Clark Hill.

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:42 a.m.

2. Agenda.

Motion by Miller, supported by Vaara, to approve the September 20, 2023, agenda as presented.

ADOPTED: Yeas - 3
 Nays - 0

3. Minutes.

Motion by Miller, supported by Vaara, to approve the minutes of the August 16, 2023, meeting.

ADOPTED: Yeas - 3
 Nays - 0

4. Public Comment.

None.

5. Construction Pay Estimates.

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

- a) Construction Estimate No. 35 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$902,800.90 with a transfer to the Oakland County Treasurer in the amount of \$8,127.83. Motion by Miller, supported by Vaara, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Construction Estimate No. 30 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$66,150. Motion by Vaara, supported by Miller, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
Nays - 0

- c) Construction Estimate No. 1 for Z Contractors, Inc. for NI-EA Contracts 2A and 2B – PCI 18 and 19 Rehabilitation in the amount of \$168,717.90 with a transfer to the Oakland County Treasurer in the amount of \$18,746.43. Motion by Vaara, supported by Miller, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
Nays - 0

6. 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.

Joel Brown offered a draft Work Directive (attached) to Walsh Construction outlining the demolition activity and related work regarding Sewage Pump No. 6 (P-6). Motion by Varra, supported by Miller, to approve the Work Directive in substantial form.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

7. 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

8. Invoices.
The following invoices were submitted to the Board for approval:

1)	Labor/Fringes/Non-Direct Labor Factor		
	• Segment 5 NI-EA Construction		\$ 5,749.43
	• Segment 5 NESPS Mech./Elect. Construction		\$ 4,845.49
2)	Equipment Charges		
	• Segment 5 NI-EA Construction		\$ 189.89
	• Segment 5 NESPS Mech./Elect. Construction		\$ 215.09
a)	Clark Hill		
	Invoice No. 1341505	O&M	\$ 1,458.00
b)	CSM		
	Invoice No. 23-526	O&M	\$ 799.00
c)	D'Angelo Brothers		
	Invoice No. 8960.5	O&M	\$ 10,856.00
d)	Jacobs		
	Invoice No. C6A19900-10	O&M	\$ 76,978.27
e)	Kennedy Industries		
	1) Invoice No. 637118	O&M	\$ 1,947.00
	2) Invoice No. 637718-1	O&M	\$ 1,100.00
	3) Invoice No. 637722	O&M	\$ 1,078.00
f)	Meadowbrook Insurance		
	Invoice No. 10701	NESPS	\$ 50,321.80
g)	Metco		
	Invoice No. 1811-56	O&M	\$ 95,531.93
h)	Motor City		
	Invoice No. 95295	O&M	\$ 95.00
i)	NTH Consultants, Ltd		
	1) Additional NESPS Maintenance Engineering Services		
	Invoice No. 633772	O&M	\$ 3,633.26
	2) Contract No. 1 PCI-4 Rehabilitation		
	Invoice No. 633782	NI-EA	\$ 84,518.31
	3) Engineering/Consulting Services PCI-18 and PCI-19 Rehabilitation		
	Invoice No. 633780	NI-EA	\$ 33,003.44
j)	PM Technologies		
	1) Invoice No. 80968767	O&M	\$ 1,050.00
	2) Invoice No. 82401351	O&M	\$ 3,790.00
	3) Invoice No. 82401458	O&M	\$ 3,195.00
	4) Invoice No. 82403008	O&M	\$ 3,790.00
k)	PMA Consultants		
	Invoice No. 3559.01-38	NI-EA	\$ 19,591.72

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

ADOPTED: Yeas - 3
Nays - 0

9. Other Business.

Walsh Construction Change Order No. 36 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$317,413.26 was presented. Motion by Miller, supported by Vaara, to approve the Change Order as presented.

ADOPTED: Yeas - 3
Nays - 0

10. Adjourn.

Motion by Miller, supported by Vaara, to adjourn the September 20, 2023, meeting at 1:16 p.m.

ADOPTED: Yeas - 3
Nays - 0

Next Regular Meeting: *Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan* and electronically at 11:30 a.m., Eastern Standard Time on October 18, 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 September 20, 2023 and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes were kept and will be or have been made available to the public as required by the Act.

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



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

Agenda Item No. 4

Public Comment

Agenda Item No. 5

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 NESPS Pumping and Electrical Upgrades Project
Additional Construction Materials Testing

DATE: October 18, 2023

NTH Consultants Ltd. (NTH) has been performing construction materials testing (CMT) on the Northeast Sewage Pumping Station Pumping and Electrical Upgrades Project per Engineering Work Order (EWO) D-421 that was approved by the OMIDDD Board on July 15, 2020. During the project, there have been several out-of-scope items NTH has provided that were not included in their original proposal as follows:

Observation of Steel Pump Discharge Pipe Weld Conditions, Surface Preparation and Final Coating Procedures

Due to previous experience with failure of the Tnemec coating within the NESPS discharge chamber, the project team believed it prudent to have NTH observe the factory welds, surface prep, and coating activities at the painting facility in Toledo, OH to ensure proper bonding of the Tnemec coating.

Additional Road Rehabilitation Construction Materials Testing

NTH had planned construction materials testing, including soil gradation testing, density testing, and concrete cylinders for a more limited amount of paving at the north end of the project site to replace pavement removed during the NESPS Odor and Corrosion Project. Due to the condition of the existing pavement elsewhere on the site, the Project Team believed it was practical to replace all of the onsite pavement. This significantly increased the amount of overall CMT required. In addition, concrete beams were also cast and tested to measure the flexural strength of the concrete.

Environmental Sampling and Testing

The onsite surplus spoils required disposal at a licensed landfill. NTH had prepared a 2020 report which characterized the soil to be disposed at a Class II (Municipal Waste) Non-Hazardous Landfill. During the course of paving, Major indicated that their landfill would not accept the NTH 2020 report due to its age. Consequently, NTH had to perform additional testing and issue an updated report for the landfill to accept the material.

In addition, during subgrade preparation, a localized diesel spill was discovered in proximity to the generator diesel tank area. NTH also had to perform sampling on this material as well for proper disposal.

An Engineering Work Order has been created to include this additional CMT scope of work items and associated fees to NTH's existing contract #2603 based on NTH's attached October 6, 2023 proposal. NTH is prepared to continue to provide CMT 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 \$59,536 for additional CMT services on the NESPS Pumping and Electrical Upgrades Project.

**Jim Nash Oakland County Water Resources Commissioner
Oakland-Macomb Interceptor Drain Drainage District
For the
NESPS Pumping and Electrical Upgrades Project
Wayne County, Michigan**

Engineering Work Order D-462 (2)

Date: 10/6/2023

To: NTH Consultants Ltd. (NTH)

For: Amendment to Contract #2603 for NESPS Pumping and Electrical Upgrades Project CMT Services

DESCRIPTION

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the OMID NESPS Pumping and Electrical Upgrades 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 additional construction materials testing services as indicated in your attached October 6, 2023 proposal:

Observation of Steel Pump Discharge Pipe Weld Conditions, Surface Preparation, and Final Coating Procedures

Observe the factory welds, surface prep, and coating activities of the steel pump discharge piping at the painting facility in Toledo, OH. Ensure proper procedures are implemented to achieve a high-quality bond between the Tnemec coating and the steel pipe.

Construction Materials Testing Services for the NESPS Site Perimeter Road Rehabilitation

Provide additional pavement CMT Services to inspect existing subgrade conditions for general base stability, provide observations and density quality control testing for base course construction, and provide quality control for concrete testing in the field during fiber-reinforced concrete placement for the entire site. Also provide laboratory testing and reporting for both compressive strength cylinder tests as well as flexural strength testing for molded concrete beams. In addition, perform field sampling and subsequent laboratory testing for Cl. II sand and 21AA aggregate materials for specification gradation and field density confirmation.

Environmental Sampling and Testing

Perform all soil testing necessary to update waste characterization of the existing onsite surplus soils for use by the Contractor in disposal. Issue a report with the summary findings. This effort is needed as the Contractor's selected landfill will not accept NTH's previous 2020 waste characterization report.

In addition, perform all required sampling and testing for proper removal and disposal on the onsite diesel soil contamination in proximity to the onsite generator diesel tanks.

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

**JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

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 \$59,536. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

RECOMMENDED	DATE: 10/13/2023	ACCEPTED	DATE:
By: <i>Joel Brown</i>		By: <i>Jeff Jaros</i>	10.10.2023
Joel Brown, P.E. Chief Engineer OCWRC		Jeff Jaros, P.E. President NTH Consultants Ltd.	
APPROVED	DATE: 10/15/2023	APPROVED	DATE:
By: <i>Stephen Downing</i>		By:	
Stephen Downing Construction and Maintenance Manager MCPWO		Steve Korth, P.E. Chief Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	SC730639
Fund No.:	FND84917	Program No.:	PRG149015
Project No.:	PRJ-13309	Project Activity:	1-ENG CONSULT
Contract No.:	PS2603-WDCON8173	Contract Exp:	12/31/2025



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
Jen Cook, P.E. Oakland County Water Resources Commissioner's Office
Stephen Downing, Macomb County Public Works Commissioner's Office

SUBJECT: Approval of NTH EWO for Purchase of Project Teams on for Use on the NI-EA Contract 2: PCI-18 and PCI-19 Rehabilitation Project

DATE: October 18, 2023

A Project Management (PM) Software is needed for the OMID NI-EA Contract 2: PCI-18 and PCI-19 project. Previously we have utilized E-builder to perform document management on the NESPS Pumping and Electrical Upgrades Project and the OMID NI-EA Contract 1: PCI-4 Rehabilitation Project. Use of this software has been somewhat cumbersome for project personnel. As other OMIDDD projects are upcoming, such as the OMID Odor and Corrosion Control Project and the OMID Flow Control Structure Rehabilitation Projects, we believe a search for a more user-friendly cost-effective product is practical.

Consequently, we have reached out to a few known project management software vendors to request product demonstrations and pricing for 15 users. We found that all the software was viable but there was a substantial difference in pricing as follows:

PM Software	Yearly Price	Startup Cost
Kahua	\$43,000	\$25,000
Oracle	\$30,000	\$35,000
ProjectTeam	\$10,500	\$12,500

For reference, E-builder costs \$41,888 per year. When considering user ability and cost, it was apparent ProjectTeam has a clear advantage over the other products. In addition, the Macomb County Public Works office has utilized this software to successfully manage their projects. Accordingly, as NTH Consultants Ltd. (NTH) is the engineer for the NI-EA Contract 2: PCI-19 and PCI-19 project, we have asked them to retain the software on our behalf according to the attached agreement with ProjectTeam. Please note that we will need the software for the approximately two-year duration of the project. This will require a one-year extension of \$10,500 (total of \$33,500). NTH is facilitating the software doing so without any markup to OMIDDD.

Requested Action: Approve the attached engineering work order to increase NTH's contract #2603 by an amount not to exceed \$33,500 for procuring project management software on the NI-EA Contract 2: PCI-18 and PCI-19 Rehabilitation Project

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

Engineering Work Order D-463 (1)**Date: 10/6/2023****To:** NTH Consultants Ltd. (NTH)**For:** Amendment to Contract #2603 for Project Management Software Procurement on the OMID NI-EA Contract 2 PCI-18 and PCI-19 Project**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 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 services:

Obtain the services of ProjectTeam to provide project management documentation software on the project for a period of two years according to the attached agreement.

Fees for this Engineering Work Order shall be directly billed with no markup. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$33,500. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

RECOMMENDED	DATE: 10/13/2023	ACCEPTED	DATE:
By: 		By: 	10.10.2023
Joel Brown, P.E. Chief Engineer OCWRC		Jeff Jaros, P.E. President NTH Consultants Ltd.	
APPROVED	DATE: 10/15/2023	APPROVED	DATE:
By: 		By:	
Stephen Downing Construction and Maintenance Manager MCPWO		Steve Korth, P.E. Chief Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	SC730639
Fund No.:	FND84918	Program No.:	PRG149015

**JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

Project No:	PRJ-17408	Project Activity:	1-ENG CONSULT
Contract No:	PS2603-WDCON8173	Contract Exp:	12/31/2025

Agenda Item No. 6

Change Order

CHANGE ORDER NO. THIRTY-SEVEN

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

Located in the City of Detroit, Wayne County, Michigan

Authorization for: 1. Control Structure 9 (CS-9) Level Sensor Replacement

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

Address:

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

Change Order No. 37 Date: Oct. 06, 2023

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
37 -1	<p>LOCATION:</p> <p>The Northeast Sewage Pumping Station; Detroit, Wayne County, Michigan</p> <hr/> <p>DESCRIPTION (Extra/ Add):</p> <p>Replace the existing Level Sensor and support brackets in the CS-9 facility.</p> <p>.</p> <p>REASON:</p> <p>The existing Level Sensor at CS-9 was damaged and rendered out of service, presumably due to flow related debris impacts. The data transmitted from this location is important to the routine operation of the Northeast Sewage Pumping Station, and replacement was considered necessary.</p> <p>For reasons of efficiency, the replacement of the Level Sensor was scheduled to occur with warranty repairs by the Contractor to the sluice gate hydraulic piping system. This opportunity resulted in savings for both the warranty repair task and the Level Sensor replacement.</p>	LS	1 ea.	\$ 15,030.49	\$ 15,030.49	-0-

	Location-Description-Reason	Unit	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
37 -1	<p>In addition, the support framework for the sensor was replaced with a heavier and more robust design to resist similar damage in the future.</p> <p>Attachment: Walsh Construction Co. PCI No.970209</p> <p><i>End of Line Items for Change Order No. 37</i></p> <p>*****</p>					
					Amount Increase	Amount Decrease
				Totals	\$15,030.49	-0-
				Net Changes (Increase)	\$15,030.49	

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



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

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-Seven
OMID NESPS Pump & Electrical Upgrades Project

Construction Manager at Risk: Walsh Construction Co. II

Project Award Date (Pre-Construction Services)	December 16, 2019
Notice to Proceed Date (Construction Phase)	October 23, 2020
Contract Substantial Completion Date (Original)	March 28, 2023
Contract Final Completion Date (Original)	June 22, 2023
Total GMP Contract Value (Including Control Structure 9) (Reconciled for separation of Pre-Construction Costs)	\$ 42,933,381.88
C.O. Values, # 7 through # 36, and including CS-9 C.O. # 1,2,3,4	\$ 6,432,085.73
This Change Order # 37	\$ 15,030.49
<i>Adjusted GMP Contract Value, Pump & Electrical Upgrades and CS-9 Projects (Including this C.O. # 37)</i>	\$ 49,380,498.10

Agenda Item No. 7

Construction Estimates

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

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

September 01 through September 30, 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. # 36	\$317,413.26
Previous C.O.s: (Numbers 7 through No. 35 and CS-9 # 1 through # 4)	\$6,114,672.47
Note: C.O. # 30 includes the budget transfer of \$70,196.70 from Pre-Con to GMP budget)	\$70,196.70
Adjusted Contract Amount including CS-9 values	\$49,365,467.61
Sub-Total To Date	\$ 39,238,132.82
Less Deductions: None	\$ -
Gross Estimate: (Work in Place - Amount Complete = 79 %)	\$ 39,238,132.82
Less Amount Reserved (max. 10% of 50% of total CV, including CS-9 value)	\$ 2,468,273.37
Total Amount Allowed To Date:	\$36,769,859.45
Less Previous Estimates:	\$36,069,386.35
Payment Due	\$700,473.10
Reserve Pay to Contractor:	\$0.00
Balance to Finish: \$ 10,127,334.79	Accounting Auditor:
Amount to be Reserved	2,468,273.37
Less Previous Transfer to Reserve	2,452,402.72
Amount of Current Transfer	\$15,870.65

Regular Construction Estimate No. 36; September, 2023 - NESPS Pump & Electrical Upgrades

Page Two of Two

Prepared by: 

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

Date: 10-11-2023

Recommended by: 

John Michalski, P.E., ASI

Date: 10/11/2023

Recommended by: _____

Joel Brown, P.E. Oakland County WRC

Date: _____

Recommended by: 

Stephen Downing; Macomb County OPWC

Date: 10/15/2023

**Regular Construction Estimate No. 36; September, 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

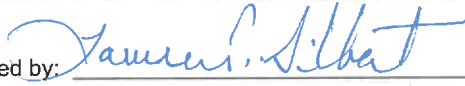
Regular Construction Estimate No. 31

Period: 9/01/23 through 9/30/23

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

Contractor:	Vendor # 29656 Contract # 6323		
Marra Services, Inc.	LI # 44838 exp. 1/20/23	Date of Contract:	January 21, 2021
700 E. 73 rd. Street		Final Completion Date:	September 9, 2022
Cleveland, OH 44103		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
<u>Adjusted Contract Amount:</u>	<u>\$16,020,166.61</u>
Sub-Total To Date	\$14,383,277.70
Less Deductions: None	\$0.00
Gross Estimate, Work in Place 89.8 % Complete	\$14,383,277.70
Less Amount Reserved (Max. at 10% of 50% of adjusted C.V.)	\$801,008.33
Total Amount Allowed To Date:	\$13,582,269.37
Less Previous Estimates	\$13,392,169.37
Net Payment Request To Be Paid To Contractor:	\$190,100.00
Reserve Payment to Contractor:	\$0.00
<u>Balance to Finish: \$ 1,636,888.91</u>	<u>Accounting Auditor:</u>
Amount to be Reserved from Above	\$801,008.33
Less Previous Transfers To Reserve:	\$801,008.33
<u>Amount of Current Transfer</u>	<u>\$0.00</u>

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

Date: 10-06-2023

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: _____

Regular Pay Estimate No 31; September, 2023

Approved By Board On: _____

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

Regular Construction Estimate No. Two (Contr. 2-A Only, N/I Contr. 2-B) Period: Sept. 1 through Sept. 30, 2023

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

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

Original Construction Contract Amount	(Contract 2-A, Only)	\$9,488,650.00
Previous Change Orders: None		\$0.00
Change Orders This Estimate: None		\$0.00
Total Net Change Orders:		\$0.00
Adjusted Contract Amount: (Contract 2A Only)		\$9,488,650.00
Sub-Total To Date		\$245,797.66
Less Deductions: None		\$0.00
Gross Estimate, Work in Place	2.59 % Complete	\$245,797.66
Less Amount Reserved (Max. at 10% of completed work)		\$24,579.77
Total Amount Allowed To Date:		\$221,217.89
Less Previous Estimates		\$168,717.90
Net Payment Request To Be Paid To Contractor:		\$52,499.99
Reserve Payment to Contractor:		\$0.00
Balance to Finish: \$ 9,242,852.34	Accounting Auditor:	
Amount to be Reserved from Above		\$24,579.77
Less Previous Transfers To Reserve:		\$18,746.43
Amount of Current Transfer		\$5,833.34

Prepared by: *Lawrence T. Gilbert*
 Lawrence T. Gilbert, P.E.; NTH Consultants Ltd. Date: 10-10-2023

Recommended by: *Saju Sachidanandan*
 Saju Sachidanandan, P. E.; NTH Consultants Ltd. Date: 10-12-23

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

Recommended by: *Stephen Downing*
 Stephen Downing; Macomb County OPWC Date: 10/15/2023

Regular Pay Estimate No. Two; Sept. 01 through Sept. 30, 2023 Approved By Board On: _____

Agenda Item No. 8

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

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

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

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.

October 18, 2023 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (October 10, 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 June 2023): \$775,000.00
- Effort is currently on time in accordance with Jacobs' latest design schedule.

Status of Major Project Tasks:

- Jacobs is preparing the 90% Design package and plans to submit for review in October 2023. A design review workshop is projected for late October or early November 2023.
- The design of the 15 Mile Road/ITC Corridor (CS-6) odor/corrosion control system is currently on hold until the terms for grant funding of the adjacent Sterling Heights parcel (east of the ITC Corridor) are clarified with the National Park Service (grant originator).
- Jacobs is preparing the EGLE Part 41 permit application as well as other local permit applications.

SRF Segment 2 Status:

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

SRF Segment 3 Status:

Contract 4: Complete

SRF Segment 4 Status:

Contract 5A/5B: Complete

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

Contract 6: Complete

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

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

NESPS & OMID Maintenance, Operations & Upgrades Status:

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

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

Additional work being performed under Metco Maintenance Contract for NESPS:

- Mechanical and Electrical corrective/preventative maintenance schedules continue.
- Coordination between OMIDDD, GLWA, MIDDD, NESPS, and Pump/Electrical Upgrade Project is ongoing and has not impacted station operations or the ability to meet demand.
- The wet well elevator remains disabled, with re-construction plans in progress. Final completion is projected for 2024.
- The quarterly wet well sediment inspection and bar screen cleaning scheduled for August 16, 2023 was postponed due to weather. The north bar screen was cleaned on September 27, 2023 during wet well isolation for Pump 5 knife gate valve (KGV 5) installation. The south bar screen is in good condition with a cleaning date to be determined. OMID decided to discontinue periodic sediment inspections on September 19, 2023. AEW produced a "closeout memo" documenting data collected to date.
- 25-Ton crane is back in service, with a repair report on file. The four-ton crane is on standby.
- NESPS Pump Start-up & Training completed with GLWA/METCO in attendance.

Overall NESPS Station Performance Report by METCO:

- Mechanical: Sanitary Pumps #1 #2, #3, #5, and #6 ready for duty (Pumps 1 and 3 provisionally approved for use; see below). Total Pumping Capacity equals 550 CFS. Contract Capacity 423cfs. Firm Capacity 400cfs.
- Sanitary Pump 4 is currently out of service. P4 Variable Frequency Drive (VFD) failed catastrophically, and the unit is no longer serviceable. Eaton has offered a replacement unit with an estimated lead time of 32-36 weeks. A quote for this unit has been prepared and forwarded to OMIDDD. METCO is currently in discussions with other VFD suppliers for replacement opportunities with lesser lead times.
- New Sanitary Pumps #1 and #3 remain on limited (less than specified) pumping capacity although are provisionally approved by OMIDDD for use. Flowserve visited the facility September 2 and 3, 2023 and collected data. A blown fuse was replaced in Pump 1 with a larger fuse as recommended by Schneider. Pump 1 is now operational. Both P1 and P3 deliver an average of 85% of the rated capacity of 90-cfs. Operational use of both Pumps 1 and 3 has been approved, in writing, by Flowserve.
- The wet well dewatering pump is also ready for duty.
- New Knife Gate Valve/Actuator #5 has been installed. New P4 gate valve actuator has also been installed.
- Sanitary Pumps 1 and 3 run in combination with Sanitary Pumps 2 and 6 routinely. Sanitary 5 remains as back-up.
- Errors such as “vibration fault”, “motor fault”, and “running trips” have plagued both P1 and P3. Restarts of 7 day run observation periods have taken place on both pumps. These issues are currently being addressed.
- NESPS/GLWA LOTO (Lock-Out Tag-Out) final forms are complete. All personnel are required to fill out forms before any sewer entry. There have been no issues with LOTO procedures during this reporting period.
- The primary switchgear in the existing station remains double-ended with two sources of utility power (Transformer #3 and Transformer #4). Generator back-up is available if needed to power pumps P2, P5, and P6. DTE completed a scheduled 5 day “System Maintenance” task which shut down Transformer 4 (T4). T4 was brought back online October 5, 2023 without any issues.
- P4 unit substation has been demolished per contract. No issues to current operations reported.
- Dry well submersible sump Pumps #1 and #2 are in service and ready for duty.
- Specific data logging software continues to monitor Sanitary Pump #2 VFD drive PLC. This software was instrumental in detecting the VFD faults experienced November 14, 2022, which disabled the pump.
- CMMS: NEXGEN asset management in use. Monthly status meetings are being held with OMID. Contractors are fulfilling their requirements with no outstanding issues to report.
- HVAC: Gas detection in use. Rounds are conducted daily. Unit air filters restocked and changed as required.
- Bio Filter performance has been acceptable. We received a few odor complaints from EGLE. It was determined that complaints were made during the period when the wet well stoplog was dropped for knife gate installation.
- Overall General Housekeeping tasks remain 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 continue to support MID/OMID/NIEA repair and improvement projects. (Weather permitting)
- Semi-Annual Preventative Maintenance completed.
- All LOTO protocols are in place.
- System-wide communications are good.
- CS-6 gate is in stand-by mode and ready for service.
- CS-8 in stand-by mode and ready for service.
- CS-5 in stand-by mode and ready for service.
- CS-9 in stand-by mode and ready for service. Warranty-related issues are being addressed. The downstream level sensor was replaced on September 15, 2023. Hydraulic leaks at both Gate #1 and #2 are currently scheduled for service by Sunsource on October 12, 2023.
- 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 continues design of major upgrades to control structures which takes into consideration long-term operability.
- Initial inspections, planning, and Basis of Design are complete.
- 90% Design package submitted to OMID for review.
- Start of the work is planned for Fall of 2024.

OMID System 3-Year Spot Repairs Status: Complete

OMID System 6-Year Inspection Status:

- All inspections are complete and final report is in progress.

NIEA Repairs (Design/Construction)

Contract 1 (PCI-4 Rehabilitation): In Construction

Amt Invoiced: Construction cost to date is \$14,193,177.70, representing approx. 88% of the adjusted Contract value.

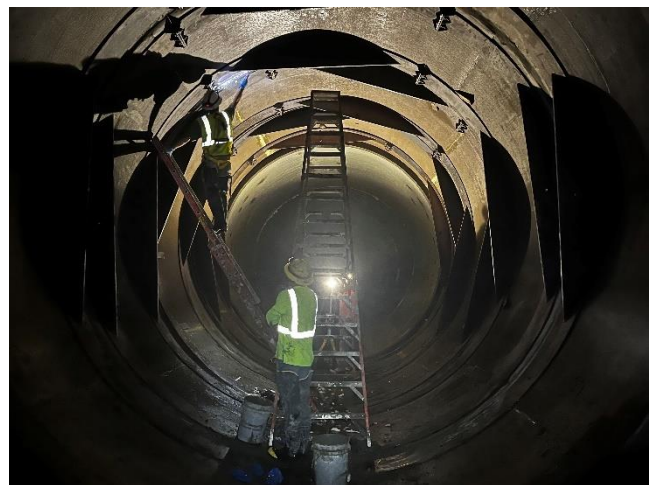
Schedule Status: The adjusted Substantial Completion date is April 12, 2023. The Contractor is operating approximately 219 days behind the adjusted schedule. Current issues are expected to further delay completion; however, the Contractor has demonstrated significant improvements in productivity during this reporting period. An accounting of Liquidated Damages is included with each payment application, shown as a debit against the retention account; however, funds will not be withheld until a final reconciliation of the schedule is completed.

Contract 1 (PCI-4 Rehabilitation) Construction Status:

- Approximately 1,334.5 linear feet of Channeline lining has been grouted in place.
- Approximately 180 feet of the Quakewrap liner has been grouted in place.
- Installation of the RockHard SCP liner (approximately 186 feet planned) is in progress with 20 segments installed and grouting underway. Recent production has been severely curtailed due to flow control restrictions (for both weather and OMID operations). To improve installation and long-term performance, the Rockhard SCP manufacturer has provided a redesigned joint detail which includes external steel reinforcement bands and temporary internal bands at each joint. These retrofit changes have significantly improved the installation performance of the segments, and currently the completion of the liner segments is anticipated by the end of October 2023
- The current construction cost to date is \$13,582,269.37, representing 89.8% of the total current contract value. Overall completion of the project is expected by year-end, 2023.
- Geotechnical monitoring of construction activities at the access shaft location indicates continuing stable conditions.



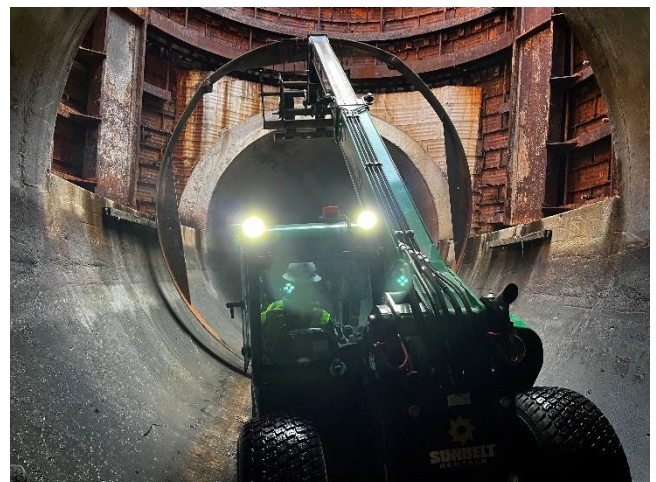
Removing the bell from a RockHard pipe section



Patching the circumferential joint between RockHard sections



Grouting third lift through manhole MH105



Removal of internal bracing



Installation of pipe section P#9



Moving and assembling RockHard panels

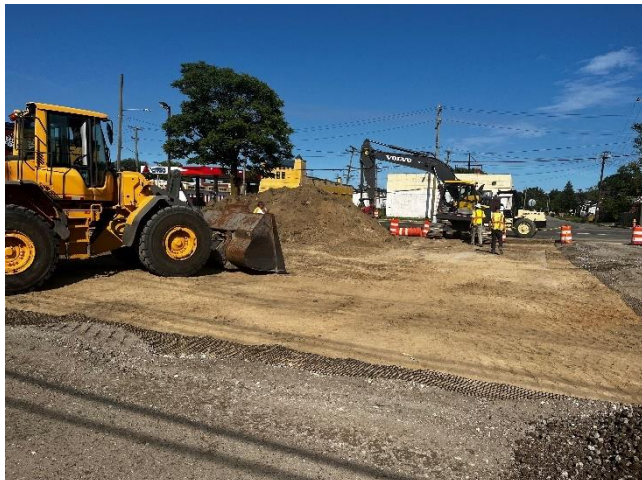
Contract 2A (PCI-18/19 Rehab): In Construction

Amt Invoiced: \$2,402,290 out of currently projected study/design budget of \$2,400,570 (design).
\$245,797.56 out of \$12,596,800 (construction, Contract 2A, Only)

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

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

- Physical work is commencing following a “Right of Entry” agreement with the City of Detroit for a laydown area at East Brentwood Street and Van Dyke.
- The Contractor has prepared the site laydown area (Van Dyke Ave at E. Brentwood St.). Traffic control equipment has been moved on site, and MDOT has approved the temporary traffic control plan with work also underway on signal, lane closure, and signage revisions.
- An informational flyer explaining the scope of the project has been delivered to the area commercial businesses and residences in advance of the work start.
- The second Application for Payment for work performed by the contractor (\$52,499.99) has been received and is under review by the Project Team



Soil remediation underway



Placing jersey barrier



Site fence installation

- The **draft** line item schedule and budgets for OMID NIEA Contracts 1 and 2 are summarized:

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

NESPS Pump and Electrical Upgrades Project

Budget Status: The total construction amount invoiced as of September 31, 2023, is \$39,238,132.82 out of \$49,365,467.61 (including the now completed and operational Control Structure 9 Bulkhead Gate facility and adjusted for stored material inclusion in major work activities), representing 79% of the Pump & Electrical Upgrades Project, with additional change order additions equalizing the regular work completion values

Schedule Status: Work is currently delayed by issues related to start-up testing at Pump #1 and #3. The Contractor is working on an enhanced schedule to make up time but there is currently an estimated delay of 17.7 months.

The following Design Team and Construction Services Effort is active:

- Construction Phase services (RFIs, Submittals) are ongoing, and the engineering team is reviewing and responding.
- The new Sewage Pump #1 and #3 and Motor have been installed, with in-place testing in progress. Both pumps are provisionally approved for use.

- A review of alternative energy saving methods and pump sequence remains ongoing, incorporating GLWA SCC comments.
- Installation of small diameter conduit runs, lighting improvements, and wiring in the existing NESPS building is approaching substantial completion.
- Steel discharge piping for Pump 6 has been shipped to the site. All of the discharge piping is now inventoried at the jobsite.
- The August 23, 2022 Arc-Flash incident remains under investigation. The Construction Manager has filed a claim on the OCIP Builder’s Risk insurance coverage for this event.
- Schedule adjustments are currently under discussion. The Contractor has revised the sequence of rehabilitation for the existing Pump Knife Gate Valves: KG#1 and #2 have been re-installed after rehabilitation. KG #5 is rehabbed and installed.
- Work on the alternate discharge piping installation for the Dewatering Pump is complete.
- Work on removal and replacement of the site concrete paving is well underway with Phase 1 and Phase II of the layout substantially complete, and Phase II paving anticipated to be complete by the end of October 2023. An isolated area of soil contaminated by historical diesel fuel spills was encountered adjacent to the standby Generator complex. An environmental assessment indicated that the material could be disposed at a Type II landfill.

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

Work Item/ Milestone	Design/CCA Budget	Const Budget	Estimated Delivery Date
2 Final Basis of Design			5/31/2019
7 MDEQ Submittal (Part 41 Permit)			4/8/2020 (initial pkg)
8 90% Design Submittal			6/30/20
9 Final Package Development			8/14/2020
Subtotal	\$3,826,000	\$44,100,000	
10 Substantial Completion	\$2,500,000 (est.)	\$44,100,000 (est.)	5/30/2024 (late)
11 Final Completion			8/23/2024 (late)



NESPS Refurbishment



Knife Gate #5 installation



Knife Gate #5 installation





Placement of new subgrade and concrete pavement

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

This project was limited during this reporting period due to maintenance days. The CS-12 pumps and system continue to operate well, with minor issues related to the operations of one pump. Debris removal upstream of CS-12 continues with skid loaders. The delivery of Hobas pipe sections continues with all sections onsite with the exception of two that are in for repair. Lining of the OMIDDD portion of pipe between CS-12 and CS-4 will be complete once all debris is removed and CS-12A lined upstream.



Engineering team inspecting interceptor near CS-12

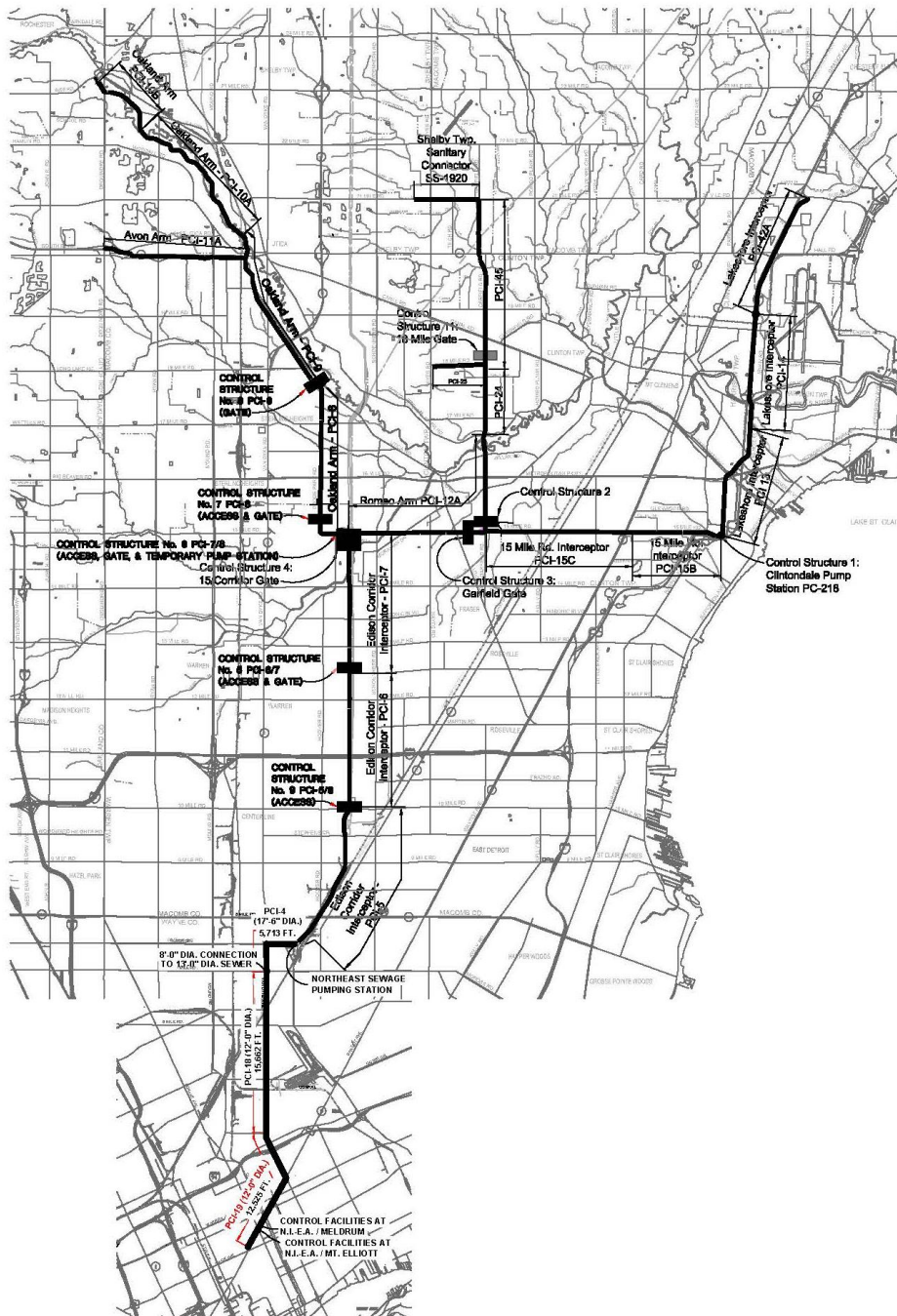


CS-12 drop pipe

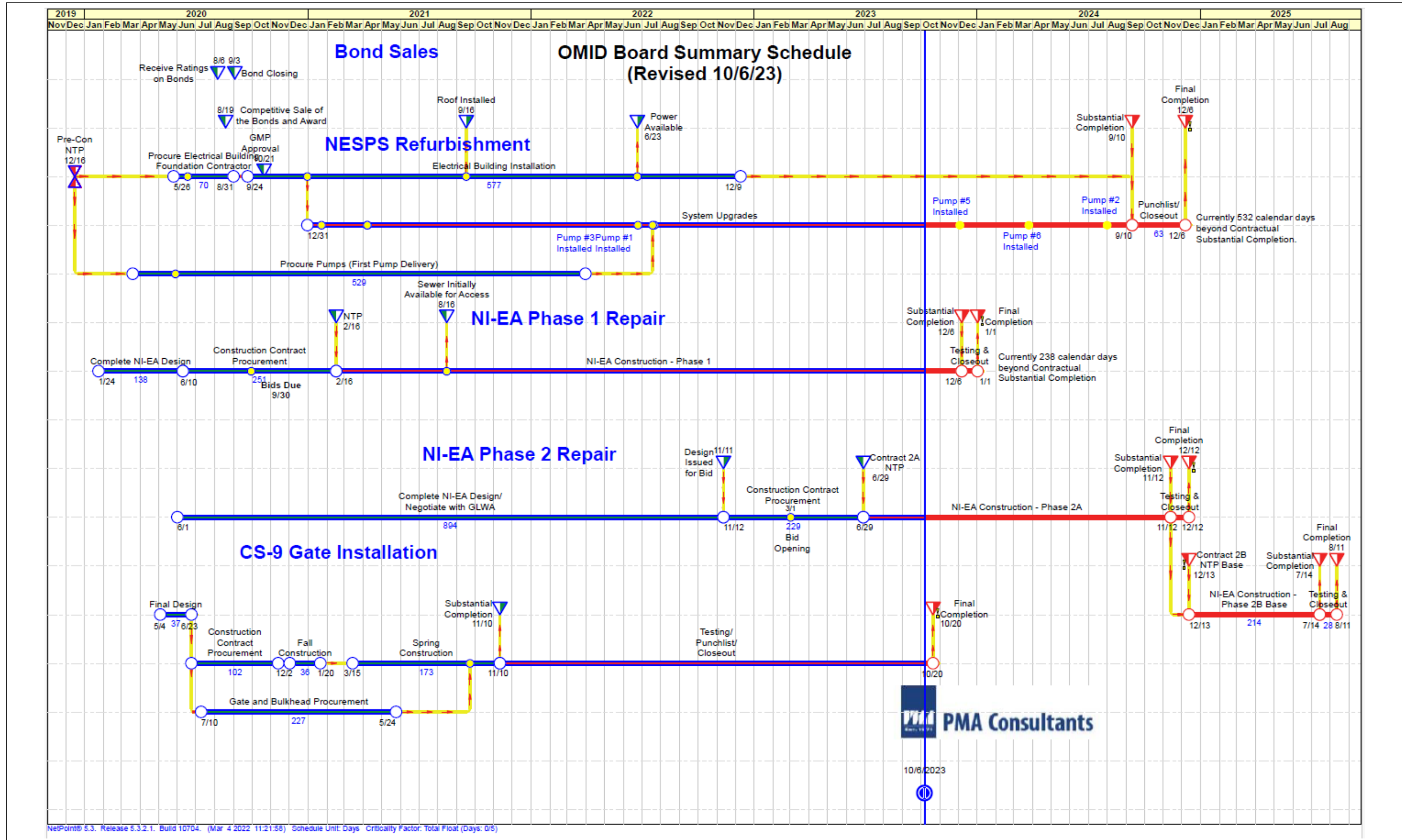
Summary of OMID Design and Construction Status:

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

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



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



OMID Project Schedule Summary

MID/OMID Construction Schedule

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

Table updated on 10/1/2023. Estimates to be updated as necessary.

* Flow control will be required for sewer cleaning, cschedule on-going. Flow control requirements are TBD based on contractor means & methods, not reflected in "Control Devices Required to Store Flow" section.

* Flow control will be required for sewer lining (Schedule TBD). Flow control CS requirements are defined in the "Control Devices Required to Store Flow" section.

PSPS and ELPS operations can significantly impact storage times upstream of CS-6, 7 & 8 and subsequently downstream control structures. Coordination & alerting for ELPS, PSPS, WRC Meters 1222/1223 & 1000 required.

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

Estimated Project Window
/ Flow Control Required
\ Flow Control May Be Required

Summary of OMID Flow Control Requirements for Ongoing and Future Projects

Agenda Item No. 9

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

YTD Trial Balance Fund: 84917 Oakland Macomb InterceptorSeg5 As of Fiscal Period: Month 12, 2023 (Pre Close)		OMID SEGMENT 5 BOND ISSUE PRJ-13252	OMID NI-EA CONSTRUCTION PRJ-13308	NESPS MECH-ELEC CONSTRUCTION PRJ-13309	YTD Balance
100100	Cash - Operating	2,015,271.38	6,708,483.34	14,430,435.62	23,154,190.34
104100	Accrued Interest on Investment	(167,703.74)			(167,703.74)
126105	Due from Municipalities				0.00
143100	PrepaidExpenses				0.00
	ASSETS	1,847,567.64	6,708,483.34	14,430,435.62	22,986,486.60
201210	Vouchers Payable AP Cont		(170,260.03)		(170,260.03)
222300	Unearned Revenues	576,414.65	(2,407,672.79)	(4,956,470.90)	(6,787,729.04)
230852	Accounts Payable				0.00
	LIABILITIES	576,414.65	(2,577,932.82)	(4,956,470.90)	(6,957,989.07)
605000	Special Assessments Revenue				0.00
655000	Income From Investments	(1,809,202.50)			(1,809,202.50)
670000	Other Revenues				0.00
	REVENUES	(1,809,202.50)	0.00	0.00	(1,809,202.50)
730000	Contractual Services		5,159,691.62	7,159,931.01	12,319,622.63
770000	Internal Support Expenditures		78,850.19	134,411.15	213,261.34
	EXPENSES	0.00	5,238,541.81	7,294,342.16	12,532,883.97
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 09/30/2023 \$ 23,154,190.34

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (983,447.65)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (199,203.78)

Total Net Cash Balance \$ 21,971,538.91

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13308 OMID NI-EA CONSTRUCTION
Budget Structure Project Task
Period FY2023 - Sep

Project	Final Budget	Actuals MTD	Actuals YTD	Total Spend	Actuals LTD	Variance
Project Expenses	28,395,600.00	180,499.72	5,238,541.81	5,238,541.81	21,857,376.69	6,538,223.31
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	9,840.40	82,685.58	82,685.58	206,621.17	271,378.83
1 > Engineering Consultants	4,913,000.00	104,110.03	2,246,992.45	2,246,992.45	5,318,044.86	(405,044.86)
1 > Facility Acquisition	17,983,600.00	66,150.00	2,673,637.69	2,673,637.69	15,638,876.04	2,344,723.96
1 > Inspection	260,000.00	0.00	0.00	0.00	0.00	260,000.00
1 > Legal and Financial	1,259,000.00	0.00	112,837.09	112,837.09	237,060.59	1,021,939.41
1 > Right of Way	265,000.00	399.29	5,363.27	5,363.27	81,859.29	183,140.71
1 > STANDARD	40,000.00	0.00	117,025.73	117,025.73	199,165.34	(159,165.34)
1 > Survey	32,000.00	0.00	0.00	0.00	0.00	32,000.00
Project Revenues	0.00	0.00	0.00	0.00	25,987,927.21	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	4,022,827.56	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	21,965,099.65	
Revenue Over/ (Under) Expenses					4,130,550.52	

OCM Project Work In Progress

Company
Projects and Project Hierarchies
Budget Structure
Period

Oakland County
 PRJ-13309 NESPS MECH-ELEC CONSTRUCTION
 Project Task
 FY2023 - Sep

Project	Final Budget	Actuals MTD	Obligations	Actuals YTD	Total Spend	Actuals LTD	Variance
Project Expenses	54,086,000.00	964,690.11	198,476.48	7,294,342.16	7,492,818.64	39,655,564.38	14,430,435.62
1 > Administration	620,000.00	219.06	0.00	(51,035.94)	(51,035.94)	44,419.06	575,580.94
1 > Contingency	4,917,000.00	0.00	0.00	0.00	0.00	0.00	4,917,000.00
1 > Engineering	446,000.00	7,499.38	0.00	84,810.80	84,810.80	276,069.20	169,930.80
1 > Engineering Consultants	3,987,000.00	0.00	198,476.48	442,258.83	640,735.31	3,073,070.58	913,929.42
1 > Facility Acquisition	40,857,000.00	902,800.91	0.00	6,412,582.11	6,412,582.11	34,690,647.32	6,166,352.68
1 > Inspection	285,000.00	3,848.96	0.00	47,450.04	47,450.04	388,757.49	(103,757.49)
1 > Legal and Financial	2,417,000.00	0.00	0.00	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	0.00	393,000.00
1 > STANDARD	130,000.00	50,321.80	0.00	300,599.12	300,599.12	945,123.53	(815,123.53)
1 > Survey	34,000.00	0.00	0.00	2,150.31	2,150.31	2,150.31	31,849.69
Project Revenues	0.00	0.00	0.00	0.00	0.00	49,129,529.10	
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00	0.00	7,291,907.09	
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00	0.00	41,837,622.01	
Revenue Over/ (Under) Expenses						9,473,964.72	

OCM Project Work In Progress

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

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	69,084.20	1,809,202.50	(1,809,202.50)	3,181,118.86
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	894,060.05
RC655077 - Accrued Interest Adjustments	3,491.56	62,929.59	(62,929.59)	(80,979.70)
RC655385 - Income from Investments	65,592.64	354,646.30	(354,646.30)	1,281,951.18
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				2,423,982.29

YTD Trial Balance Fund: 84918 NIEA Contract #2 As of Fiscal Period: Month 12, 2023 (Pre Close)		NIEA Contract #2 Bond Issue PRJ-17384	NIEA Contract #2 Construction PRJ-17408	YTD Balance
100100	Cash - Operating	(36,422.10)	15,469,321.45	15,432,899.35
104100	Accrued Interest on Investment	(4,894.64)		(4,894.64)
126105	Due from Municipalities			0.00
143100	PrepaidExpenses			0.00
	ASSETS	(41,316.74)	15,469,321.45	15,428,004.71
201210	Vouchers Payable AP Cont			0.00
222300	Unearned Revenues			0.00
230852	Accounts Payable	(68,755.00)		(68,755.00)
	LIABILITIES	(68,755.00)	0.00	(68,755.00)
605000	Special Assessments Revenue		(9,562,443.00)	(9,562,443.00)
655000	Income From Investments	(14,550.76)		(14,550.76)
670000	Other Revenues			0.00
697219	Premiums on Bonds Sold		(176,878.45)	
697551	Issuance of Bonds		(5,730,000.00)	
	REVENUES	(14,550.76)	(15,469,321.45)	(15,483,872.21)
730000	Contractual Services	124,622.50		124,622.50
770000	Internal Support Expenditures			0.00
	EXPENSES	124,622.50	0.00	124,622.50
381315	FB Restricted Debt			0.00
382100	FB Committed for Capital Proj			0.00
	Fund Balance	0.00	0.00	0.00
		0.00	0.00	0.00

Cash as of 09/30/2023 \$ 15,432,899.35

Invoices/Reimbursements for Bond PRJ-17834 on Current Agenda impacting Cash Balance (67,655.00)

Invoices/Reimbursements for Construction PRJ-17408 on Current Agenda impacting Cash Balance (88,525.14)

\$ 15,276,719.21

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-17408 NI-EA C2 PCI 18&19 Rehab
Budget Structure Project Task
Budget Name
Period FY2023 - Sep

Project	Final Budget	Actuals MTD	Actuals YTD	Total Spend	Actuals LTD	Variance
Project Expenses	15,600,000.00	0.00	0.00	0.00	0.00	15,600,000.00
1 > Administration	95,287.00	0.00	0.00	0.00	0.00	95,287.00
1 > Contingency	0.00	0.00	0.00	0.00	0.00	0.00
1 > Engineering	235,465.00	0.00	0.00	0.00	0.00	235,465.00
1 > Engineering Consultants	2,089,000.00	0.00	0.00	0.00	0.00	2,089,000.00
1 > Facility Acquisition	12,596,000.00	0.00	0.00	0.00	0.00	12,596,000.00
1 > Inspection	230,037.00	0.00	0.00	0.00	0.00	230,037.00
1 > Legal and Financial	279,000.00	0.00	0.00	0.00	0.00	279,000.00
1 > Right of Way	42,000.00	0.00	0.00	0.00	0.00	42,000.00
1 > STANDARD	15,796.00	0.00	0.00	0.00	0.00	15,796.00
1 > Survey	17,415.00	0.00	0.00	0.00	0.00	17,415.00
Project Revenues	0.00	15,469,321.45	15,469,321.45	(15,469,321.45)	15,469,321.45	
RC605572 - Special Assessments Revenue	0.00	9,562,443.00	9,562,443.00	(9,562,443.00)	9,562,443.00	
RC697219 - Premiums on Bonds Sold	0.00	176,878.45	176,878.45	(176,878.45)	176,878.45	
RC697551 - Issuance of Bonds	0.00	5,730,000.00	5,730,000.00	(5,730,000.00)	5,730,000.00	
Revenue Over/ (Under) Expenses					15,469,321.45	

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-17384 OMIDDD NIEA Contract2 Bond Adm
Budget Structure Project Task
Period FY2023 - Sep

Project	Actuals MTD	Actuals YTD	Total Spend YTD	Actuals LTD
Project Expenses	124,622.50	124,622.50	124,622.50	124,622.50
1 > Administration	124,622.50	124,622.50	124,622.50	124,622.50
Project Revenues	14,550.76	14,550.76	(14,550.76)	14,550.76
RC605572 - Special Assessments Revenue	0.00	0.00	0.00	0.00
RC655077 - Accrued Interest Adjustments	(4,894.64)	(4,894.64)	4,894.64	(4,894.64)
RC655385 - Income from Investments	19,445.40	19,445.40	(19,445.40)	19,445.40
RC697219 - Premiums on Bonds Sold	0.00	0.00	0.00	0.00
RC697551 - Issuance of Bonds	0.00	0.00	0.00	0.00
Revenue Over/ (Under) Expenses				(110,071.74)

Oakland County - Water Resources Commissioner's Office
Fund Equity: Schedule of Reserves and Dedicated Funds
As of Date: September 30, 2023

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	3,978,319.84	3,461,128.29	2,367,213.64	7,553,489.93		17,360,151.70
84917	OMIDD Seg 5						
	- Project PRJ-13252 Interceptor Seg 5 Bond Adm					2,423,982.29	
	- Project PRJ-13308 NI - EA Construction					4,130,550.52	
	- Project PRJ-13309 NESPS Construction					<u>9,473,964.72</u>	16,028,497.53
84918	OMIDDD North Interceptor East Arm – Contract #2						
	- Project: PRJ-17384 OMIDDD NIEA Contract2 Bond Adm					(110,071.74)	
	- Project: PRJ-17408 OMIDDD NIEA Contract2 Construction					<u>15,469,321.45</u>	15,359,249.71
Total Equity in Maintenance and Construction Funds							<u><u>48,747,898.94</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 10/18/2023

Payable To	Invoice #	84917	84917	84918	84918	82912	Total
		1-3308	1-3309	1-7384	1-7408		
		Segment 5 NIEA Construction	Segment 5 NESPS Mech / Electric Construction	NIEA Contract #2 Bond Issue	NIEA Contract #2 Construction	Operations & Maintenance	
Oakland County *	WRC Labor/Fringes/Non-direct Labor (08/26/2023 - 09/22/2023)	9,957.27	10,962.94				20,920.21
Oakland County *	WRC Equipment (08/26/2023 - 09/26/2023)	282.42	385.40				667.82
Applied Science, Inc	Invoice # 54 (ASI Inv. #8495) Services 7/30/23 to 8/26/23		86,685.85			27,537.70	114,223.55
Applied Science, Inc	Invoice # 55 (ASI Inv. #8512) Services 8/27/23 to 9/30/23		85,746.43			5,489.60	91,236.03
Clark Hill PLC	Invoice # 1352166 Matter 463149 Vendor Dispute - Walsh Const. Through 08/31/2023		1,810.50				1,810.50
Clark Hill PLC	Invoice # 1352819 Matter 418892 New Debt 2020B Issue 2023			22,880.00			22,880.00
Clark Hill PLC	Invoice # 1353143 Matter 424741 GLWA Model Wastewater Svs Through 08/31/2023					1,782.00	1,782.00
CSM Mechanical, LLC	Invoice # 23-444 Bio Filter Repairs - 7/17/2023					1,183.94	1,183.94
Inland Lakes Landscaping Corp.	Invoice # 24727 Toephaer Site Vegetation Maintenance 8/18 & 9/12/23					1,825.00	1,825.00
Lardner Elevator Company	Invoice # 198877 NESP Elevator Service for September, 2023					204.00	204.00
Lardner Elevator Company	Invoice # 199012 NESP Elevator Repairs 9/27 & 9/29/2023					1,557.00	1,557.00
MFCI, LLC	Services and Fees Related to New 2020B Debt Issue 2023			25,275.00			25,275.00
Meadowbrook Insurance Agency	Invoice # 12925 Policy OCIPNESPSADMIN22 1st Quarterly Payment 9/20/23 - 9/20/2024		46,410.00				46,410.00
METCO Consulting Engineers	Invoice # 1811-57 09/04/2023 Through 10/01/2023					79,579.78	79,579.78
Moody's Investor Service	Invoice # P0447338 Bond Rating Fees Related to New 2020B Debt Issue 2023			19,500.00			19,500.00
NTH Consultants	Invoice # 633967 (D-425 & D-457) Engineering Services 08/26/2023 - 09/22/2023	58,316.42					58,316.42
NTH Consultants	Invoice # 633968 (D-439) Engineering Services 08/26/2023 - 09/22/2023					241.03	241.03
NTH Consultants	Invoice # 633969 Rehab Close-Out & NESPS Maintenanc Tasks 5/27/2023 - 9/22/2023					1,120.14	1,120.14
NTH Consultants	Invoice # 633970 OMIDD System Inspection 06/24/2023 - 09/22/2023					1,312.40	1,312.40
NTH Consultants	Invoice # 633971 OMID Design for PCI-18 & PCI-19 08/26/2023 - 09/22/2023				30,191.81		30,191.81
PM Technologies	Invoice # 82710934 SP-001 Fuel Tank Annual Inspections Date 08/10/2023					650.00	650.00
PM Technologies	Invoice # 83640399 NESPS Generator 3 Monthly Inspection Date 09/12/2023					1,050.00	1,050.00
PM Technologies	Invoice # 83641846 NESPS Generator 2 Monthly Inspection Date 09/12/2023					1,050.00	1,050.00
PM Technologies	Invoice # 83642492 NESPS Generator 1 Monthly Inspection Date 09/12/2023					1,050.00	1,050.00
PMA Consultants	Invoice # 03559.01 - 39 Professional Services Through 08/31/23	18,687.48					18,687.48
Rotor Electric Company of Michigan	Invoice # 12620 4-2023 P2-P4 Motor Maintenance 06/13/2023					2,597.51	2,597.51
Rotor Electric Company of Michigan	Invoice # 126254 P2-P4 VFD Shelter Maintenance 06/15/2023					2,490.50	2,490.50
Rotor Electric Company of Michigan	Invoice # 12655 P2 Motor Maintenance 06/08/2023					2,834.31	2,834.31
Rotor Electric Company of Michigan	Invoice # 12656 Mechanical Room Lighting Re-Lamping 06/07/2023					900.28	900.28
Rotor Electric Company of Michigan	Invoice # 12657 Motor Floor / Mezzanine Re-Lamping 06/16/2023					6,506.08	6,506.08
Rotor Electric Company of Michigan	Invoice # 12658 WO 969 Sub P4 Shutdown 06/21/2023					732.50	732.50
Rotor Electric Company of Michigan	Invoice # 12659 P2 E-Call for E-Stop Alarm 07/24/2023					1,004.75	1,004.75
Rotor Electric Company of Michigan	Invoice # 12660 WO 998 Dry Well Power Loss 08/10/2023					1,623.75	1,623.75
Rotor Electric Company of Michigan	Invoice # 12661 WO 1012 Switchgear Maintenance and Testing 08/14/2023					18,729.00	18,729.00
Rotor Electric Company of Michigan	Invoice # 12662 WO 1013 P6 Fail To Start 08/23/2023					783.75	783.75
Rotor Electric Company of Michigan	Invoice # 12663 P2 and P4 August Motor Maintenance 08/01/2023					2,276.73	2,276.73
Young Insurance Law	Invoice # 20230595 Lexington Owners Claim 0526-2106 04/01/23 through 09/30/23					15,737.27	15,737.27
Young Insurance Law	Invoice # 20230595 Electrical Arc Claim 0308-2323 01/01/21 through 09/30/23					4,213.10	4,213.10
Walsh Construction	Construction Estimate # 36 NESPS Pump & Electrical Upgrades Project	716,343.75					716,343.75
Mara Services	Construction Estimate # 31 NI-EA PCI 4 rehabilitation	190,100.00					190,100.00
Z Contractors	Construction Estimate # 2 NI-EA contract #2A and 2B - PCI 18 and 19				58,333.33		58,333.33
Total Invoices/Reimbursements for Approval		993,687.34	232,001.12	67,655.00	88,525.14	186,062.12	1,567,930.72
* Less WRC Charges already paid from OMI Fund		(10,239.69)	(11,348.34)	0.00	0.00		(21,588.03)
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board		983,447.65	220,652.78	67,655.00	88,525.14	186,062.12	1,546,342.69

Agenda Item No. 10

Invoices

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 08/26/23 - 09/22/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094849	8/28/2023	7/17/2023	BROWN, JOEL	4.00	526.20	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	7/18/2023	BROWN, JOEL	0.50	65.78	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	7/19/2023	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	7/20/2023	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	7/21/2023	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	7/24/2023	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	7/26/2023	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	7/27/2023	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	7/28/2023	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/8/2023	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/9/2023	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/10/2023	BROWN, JOEL	5.00	657.75	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/15/2023	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/16/2023	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/17/2023	BROWN, JOEL	3.50	460.43	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/21/2023	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/22/2023	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/23/2023	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/24/2023	BROWN, JOEL	6.00	789.30	REGULAR	WRCCON	PRJ-13309	ENGINEERING
1094849	8/28/2023	8/25/2023	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		5,722.46				
1094849	9/5/2023	8/28/2023	LOCKHART, SIDNEY	2.00	286.04	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	9/5/2023	8/29/2023	LOCKHART, SIDNEY	1.00	143.02	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	9/5/2023	8/30/2023	LOCKHART, SIDNEY	2.00	286.04	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1094849	9/5/2023	8/31/2023	LOCKHART, SIDNEY	2.00	286.04	REGULAR	WRCADM	PRJ-13309	ENGINEERING
			LOCKHART, SIDNEY Total		1,001.14				
1050210	9/5/2023	8/29/2023	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	9/5/2023	8/31/2023	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	9/5/2023	9/5/2023	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	9/5/2023	9/7/2023	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	9/19/2023	9/12/2023	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	9/19/2023	9/14/2023	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	9/19/2023	9/19/2023	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
1050210	9/19/2023	9/21/2023	POUSHO, ROBERT	8.00	459.20	REGULAR	WRCCON	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		3,673.60				
1131289	8/30/2023	8/21/2023	PUSCAS, JACK J	4.00	323.28	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	9/13/2023	8/28/2023	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	9/13/2023	8/29/2023	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13309	ENGINEERING
1131289	9/13/2023	9/5/2023	PUSCAS, JACK J	1.00	80.82	REGULAR	WRCADM	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		565.74				
			Grand Total		10,962.94				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 08/26/23 - 09/22/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094849	08/28/23	07/17/23	BROWN, JOEL	4.00	1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/17/23	BROWN, JOEL	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/17/23	BROWN, JOEL	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	07/18/23	BROWN, JOEL	0.50	0.13	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/18/23	BROWN, JOEL	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/18/23	BROWN, JOEL	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	07/19/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/19/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/19/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	07/20/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/20/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/20/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	07/21/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/21/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/21/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	07/24/23	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/24/23	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/24/23	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	07/26/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/26/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/26/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	07/27/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/27/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/27/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	07/28/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	07/28/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	07/28/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/08/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/08/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/08/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/09/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/09/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/09/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/10/23	BROWN, JOEL	5.00	1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/10/23	BROWN, JOEL	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/10/23	BROWN, JOEL	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/15/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/15/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/15/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/16/23	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/16/23	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/16/23	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/17/23	BROWN, JOEL	3.50	0.88	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/17/23	BROWN, JOEL	3.50	1.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/17/23	BROWN, JOEL	3.50	8.19	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/21/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/21/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/21/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/22/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/22/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/22/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/23/23	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/23/23	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/23/23	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/24/23	BROWN, JOEL	6.00	1.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/24/23	BROWN, JOEL	6.00	2.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/24/23	BROWN, JOEL	6.00	14.04	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	08/28/23	08/25/23	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	08/28/23	08/25/23	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	08/28/23	08/25/23	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		130.10				
1094849	09/05/23	08/28/23	LOCKHART, SIDNEY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/05/23	08/28/23	LOCKHART, SIDNEY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/05/23	08/28/23	LOCKHART, SIDNEY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/05/23	08/28/23	LOCKHART, SIDNEY	2.00	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	09/05/23	08/29/23	LOCKHART, SIDNEY	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/05/23	08/29/23	LOCKHART, SIDNEY	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/05/23	08/29/23	LOCKHART, SIDNEY	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/05/23	08/29/23	LOCKHART, SIDNEY	1.00	5.69	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	09/05/23	08/30/23	LOCKHART, SIDNEY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/05/23	08/30/23	LOCKHART, SIDNEY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/05/23	08/30/23	LOCKHART, SIDNEY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1094849	09/05/23	08/30/23	LOCKHART, SIDNEY	2.00	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
1094849	09/05/23	08/31/23	LOCKHART, SIDNEY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1094849	09/05/23	08/31/23	LOCKHART, SIDNEY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1094849	09/05/23	08/31/23	LOCKHART, SIDNEY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING

1094849	09/05/23	08/31/23	LOCKHART, SIDNEY	2.00	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13309	ENGINEERING
			LOCKHART, SIDNEY Total		60.76				
1050210	09/05/23	08/29/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	09/05/23	08/29/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	09/05/23	08/31/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	09/05/23	08/31/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	09/05/23	09/05/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	09/05/23	09/05/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	09/05/23	09/07/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	09/05/23	09/07/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	09/19/23	09/12/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	09/19/23	09/12/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	09/19/23	09/14/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	09/19/23	09/14/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	09/19/23	09/19/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	09/19/23	09/19/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	09/19/23	09/21/23	POUSHO, ROBERT	8.00	3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	09/19/23	09/21/23	POUSHO, ROBERT	8.00	18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		175.36				
1131289	08/30/23	08/21/23	PUSCAS, JACK J	4.00	1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	08/30/23	08/21/23	PUSCAS, JACK J	4.00	9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	09/13/23	08/28/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	09/13/23	08/28/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	09/13/23	08/29/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	09/13/23	08/29/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	09/13/23	09/05/23	PUSCAS, JACK J	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	09/13/23	09/05/23	PUSCAS, JACK J	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		19.18				
			Grand Total		385.40				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 8/26/23 - 09/22/23									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1094815	8/28/23	7/17/23	BROWN, JOEL	3.00	394.65	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	7/18/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	7/19/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	7/20/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	7/20/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	7/21/23	BROWN, JOEL	2.50	328.88	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	7/24/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	7/25/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	7/28/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/7/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/8/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/9/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/10/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/11/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/15/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/16/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/17/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/18/23	BROWN, JOEL	1.50	197.33	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/21/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/22/23	BROWN, JOEL	3.00	394.65	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/23/23	BROWN, JOEL	1.00	131.55	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/24/23	BROWN, JOEL	2.00	263.10	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	8/28/23	8/25/23	BROWN, JOEL	4.00	526.20	REGULAR	WRCCON	PRJ-13308	ENGINEERING
			BROWN, JOEL Total		5,722.47				
1164853	8/30/23	8/16/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	8/30/23	8/17/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	8/30/23	8/18/23	COOK, JENNIFER	2.00	220.50	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	8/30/23	8/21/23	COOK, JENNIFER	0.50	55.13	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	8/30/23	8/22/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	8/30/23	8/24/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/12/23	8/28/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/12/23	8/29/23	COOK, JENNIFER	5.00	551.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/12/23	8/30/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/12/23	8/31/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/12/23	9/1/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/12/23	9/5/23	COOK, JENNIFER	2.00	220.50	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1164853	9/12/23	9/7/23	COOK, JENNIFER	1.00	110.25	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		2,039.63				
1094815	9/5/23	8/28/23	LOCKHART, SIDNEY	2.00	286.04	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	9/5/23	8/29/23	LOCKHART, SIDNEY	1.00	143.02	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	9/5/23	8/30/23	LOCKHART, SIDNEY	2.00	286.04	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1094815	9/5/23	8/31/23	LOCKHART, SIDNEY	2.00	286.04	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			LOCKHART, SIDNEY Total		1,001.14				
1094816	9/22/23	9/11/23	PARROTT, JEFFREY	2.00	171.48	REGULAR	WRCROW	PRJ-13308	ROW
1094816	9/22/23	9/13/23	PARROTT, JEFFREY	1.50	128.61	REGULAR	WRCROW	PRJ-13308	ROW
1094816	9/22/23	9/21/23	PARROTT, JEFFREY	1.00	85.74	REGULAR	WRCROW	PRJ-13308	ROW
			PARROTT, JEFFREY Total		385.83				
1131284	8/30/23	8/15/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	8/30/23	8/16/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	8/30/23	8/22/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	9/13/23	8/29/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1131284	9/13/23	9/5/23	PUSCAS, JACK J	2.00	161.64	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		808.20				
			Grand Total		9,957.27				

1164853	8/30/23	8/18/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	8/30/23	8/21/23	COOK, JENNIFER	0.50	0.20	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	8/30/23	8/21/23	COOK, JENNIFER	0.50	1.17	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	8/30/23	8/22/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	8/30/23	8/22/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	8/30/23	8/24/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	8/30/23	8/24/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/12/23	8/28/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/12/23	8/28/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/12/23	8/29/23	COOK, JENNIFER	5.00	2.00	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/12/23	8/29/23	COOK, JENNIFER	5.00	11.70	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/12/23	8/30/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/12/23	8/30/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/12/23	8/31/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/12/23	8/31/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/12/23	9/1/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/12/23	9/1/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/12/23	9/5/23	COOK, JENNIFER	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/12/23	9/5/23	COOK, JENNIFER	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1164853	9/12/23	9/7/23	COOK, JENNIFER	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1164853	9/12/23	9/7/23	COOK, JENNIFER	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		50.69				
1094815	9/5/23	8/28/23	LOCKHART, SIDNEY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	9/5/23	8/28/23	LOCKHART, SIDNEY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	9/5/23	8/28/23	LOCKHART, SIDNEY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	9/5/23	8/28/23	LOCKHART, SIDNEY	2.00	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	9/5/23	8/29/23	LOCKHART, SIDNEY	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	9/5/23	8/29/23	LOCKHART, SIDNEY	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	9/5/23	8/29/23	LOCKHART, SIDNEY	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	9/5/23	8/29/23	LOCKHART, SIDNEY	1.00	5.69	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	9/5/23	8/30/23	LOCKHART, SIDNEY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	9/5/23	8/30/23	LOCKHART, SIDNEY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	9/5/23	8/30/23	LOCKHART, SIDNEY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	9/5/23	8/30/23	LOCKHART, SIDNEY	2.00	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
1094815	9/5/23	8/31/23	LOCKHART, SIDNEY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ENGINEERING
1094815	9/5/23	8/31/23	LOCKHART, SIDNEY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1094815	9/5/23	8/31/23	LOCKHART, SIDNEY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1094815	9/5/23	8/31/23	LOCKHART, SIDNEY	2.00	11.38	ASSIGNED	Blazer/Suburbans	PRJ-13308	ENGINEERING
			LOCKHART, SIDNEY Total		60.76				
1094816	9/22/23	9/11/23	PARROTT, JEFFREY	2.00	0.50	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	9/22/23	9/11/23	PARROTT, JEFFREY	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	9/22/23	9/11/23	PARROTT, JEFFREY	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ROW
1094816	9/22/23	9/13/23	PARROTT, JEFFREY	1.50	0.38	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	9/22/23	9/13/23	PARROTT, JEFFREY	1.50	0.60	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	9/22/23	9/13/23	PARROTT, JEFFREY	1.50	3.51	ASSIGNED	PC/Computer	PRJ-13308	ROW
1094816	9/22/23	9/21/23	PARROTT, JEFFREY	1.00	0.25	ASSIGNED	Tablet/iPad	PRJ-13308	ROW
1094816	9/22/23	9/21/23	PARROTT, JEFFREY	1.00	0.40	ASSIGNED	Cell Phone	PRJ-13308	ROW
1094816	9/22/23	9/21/23	PARROTT, JEFFREY	1.00	2.34	ASSIGNED	PC/Computer	PRJ-13308	ROW
			PARROTT, JEFFREY Total		13.46				
1131284	8/30/23	8/15/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	8/30/23	8/15/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	8/30/23	8/16/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	8/30/23	8/16/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	8/30/23	8/22/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	8/30/23	8/22/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	9/13/23	8/29/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	9/13/23	8/29/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
1131284	9/13/23	9/5/23	PUSCAS, JACK J	2.00	0.80	ASSIGNED	Cell Phone	PRJ-13308	ENGINEERING
1131284	9/13/23	9/5/23	PUSCAS, JACK J	2.00	4.68	ASSIGNED	PC/Computer	PRJ-13308	ENGINEERING
			PUSCAS, JACK J Total		27.40				
			Grand Total		282.42				



Applied Science, Inc.

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

September 11, 2023

Project Invoice # 54 (ASI Inv. 8495)

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

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

Invoice Period: 7/30/23-8/26/23

li# 41133 v#352

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

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

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

Task No.	Task Description	Total This Invoice
5	Construction Services	
	Total:	\$ 33,047.00
	Subconsultants:	
	NTH Consultants	\$ 31,258.87
	Metco Services	\$ 11,416.00
	FK Engineering:	\$ 4,909.75
	ASI Markup 5%:	\$ 2,379.23
	Direct Expenses:	\$ 3,675.00
	Total Due This Invoice:	<u>\$ 86,685.85</u>
	Previous Amount Invoiced:	

**84917-149015-730639-1-3309
engcon**

Joel Brown

10/13/2023

Task No.	Task Description	Total This Invoice
6	Control Structure Rehab	
	Total:	\$ 13,285.00
	Subconsultants:	
	NTH Consultants	\$ -
	Metco Services	\$ 13,574.00
	ASI Markup 5%:	\$ 678.70
	Direct Expenses:	\$ -
	Total Due This Invoice:	<u>\$ 27,537.70</u>

**82912-149667-730639-
PRJ-17060 engcon**

Joel Brown

10/13/2023

Summary	
Total Due This Invoice-All Tasks:	\$ 114,223.55
Previous Amount Invoiced:	\$ 4,588,487.16
Amount Invoiced for MCC Incident (separate invoice):	<u>\$ 173.54</u>
Total Invoiced To-Date	\$ 4,702,884.25
Original Contract Task Total:	\$ 4,198,380.00
Additional Budget-Task 5:	\$ 284,076.60
Additional Budget-Task 5a:	\$ 1,513,301.00
Additional Budget-Task 6:	\$ 220,326.00
Current Contract Task Total:	\$ 6,216,083.60
Amount Remaining:	<u>\$ 1,513,199.35</u>



Applied Science, Inc.

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

September 11, 2023

Project Invoice #54a (ASI Inv. 8497)

84917-149015-730520-
1-3309 engcon li# 41133 v#352

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

10/13/2023

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

Task - MCC Incident

Invoice Period: 7/30/23-8/26/23

<u>Employee</u>	<u>Job Classification</u>	<u>MCC Incident</u>	<u>Total Hours</u>	<u>Direct Labor Rate</u>	<u>Total</u>
Total Labor:		\$ -			\$ -
Subconsultant:NTH		\$ 165.28			\$ 165.28
Subconsultant:METCO		\$ -			\$ -
		\$ 165.28			\$ 165.28
ASI Markup 5%		\$ 8.26			\$ 8.26
Direct Expenses (receipts attached):		\$ -			\$ -
Total This Invoice:		\$ 173.54			\$ 173.54
Previous Amount Invoiced:		\$ 58,203.82			\$ 58,203.82
Total Invoiced To Date:		\$ 58,377.36			\$ 58,377.36



Applied Science, Inc.

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

October 4, 2023

Project Invoice # 55 (ASI Inv. 8512)

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

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

Invoice Period: 8/27/23-9/30/23

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

li# 41133 v#352

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

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

Task No.	Task Description	Total This Invoice
5	Construction Services	
	Total:	\$ 37,535.00
	Subconsultants:	
	NTH Consultants	\$ 27,468.15
	Metco Services	\$ 8,640.00
	FK Engineering:	\$ 6,307.50
	ASI Markup 5%:	\$ 2,120.78
	Direct Expenses:	\$ 3,675.00
	Total Due This Invoice:	<u>\$ 85,746.43</u>
	Previous Amount Invoiced:	

84917-149015-730639-1-3309
engcon

10/13/2023

Task No.	Task Description	Total This Invoice
6	Control Structure Rehab	
	Total:	\$ 4,666.00
	Subconsultants:	
	NTH Consultants	\$ 784.38
	Metco Services	\$ -
	ASI Markup 5%:	\$ 39.22
	Direct Expenses:	\$ -
	Total Due This Invoice:	<u>\$ 5,489.60</u>

82912-149667-730639-
PRJ-17060 engcon

10/13/2023

Summary	
Total Due This Invoice-All Tasks:	\$ 91,236.03
Previous Amount Invoiced:	\$ 4,702,884.25
Amount Invoiced for MCC Incident (separate invoice):	<u>\$ 3,394.50</u>
Total Invoiced To-Date	\$ 4,797,514.78
Original Contract Task Total:	\$ 4,198,380.00
Additional Budget-Task 5:	\$ 284,076.60
Additional Budget-Task 5a:	\$ 1,513,301.00
Additional Budget-Task 6:	\$ 220,326.00
Current Contract Task Total:	\$ 6,216,083.60
Amount Remaining:	<u>\$ 1,418,568.82</u>



Applied Science, Inc.

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Phone: (313) 567-3990 Fax: (313) 567-3750
www.asi-detroit.com

October 4, 2023

Project Invoice #55a (ASI Inv. 8514)

84917-149015-730520-
1-3309 engcon li# 41133 v#352

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

10/13/2023

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

Task - MCC Incident

Invoice Period: 8/27/23-9/30/23

<u>Employee</u>	<u>Job Classification</u>	<u>MCC Incident</u>	<u>Total Hours</u>	<u>Direct Labor Rate</u>	<u>Total</u>
Total Labor:		\$ -			\$ -
Subconsultant:NTH		\$ 3,232.86			\$ 3,232.86
Subconsultant:METCO		\$ -			\$ -
		\$ 3,232.86			\$ 3,232.86
ASI Markup 5%		\$ 161.64			\$ 161.64
Direct Expenses (receipts attached):		\$ -			\$ -
Total This Invoice:		\$ 3,394.50			\$ 3,394.50
Previous Amount Invoiced:		\$ 58,377.36			\$ 58,377.36
Total Invoiced To Date:		\$ 61,771.86			\$ <u>61,771.86</u>



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

Invoice: 1352166
 Date: 09/14/2023
 Client: 30164
 Matter: 463149

**6010101-84917-149015-731073-1-3309- LEGAL - Ch. 21
 5113-v#2788**

Matter Name: Construction Dispute - Walsh Construction

10/12/2023

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH AUGUST 31, 2023

Total Fees:	\$	1,810.50
Total Due This Invoice:	\$	1,810.50

KC 2023-09-22



FOR LEGAL SERVICES RENDERED in connection with the above matter.

TIME AND FEE SUMMARY

Name	Initials	Rate	Hours	Amount
Jeffrey M. Gallant	JMG	\$255.00	1.00	255.00
Douglas R. Kelly	DRK	\$255.00	4.80	1,224.00
Lauren, K. Burton	LKB	\$255.00	1.30	331.50
			Total	7.10 \$ 1,810.50

DETAIL OF LEGAL SERVICES

Date	Initials	Description	Hours	Amount
08/08/23	DRK	Telephone conference with S. Lockhart and J. Brown; receive and respond to email regarding construction issues.	0.30	76.50
08/09/23	DRK	Receive and review correspondence to Welch regarding scheduling issues and respond to same.	0.20	51.00
08/21/23	DRK	Receive and review emails from J. Brown regarding REA, submittals and other contract documents and prepare email to J. Gallant regarding same.	0.50	127.50
08/23/23	DRK	Analyze letter to Welch and prepare email to J. Brown regarding same.	0.30	76.50
08/28/23	JMG	[Walsh] Review Walsh REA.	1.00	255.00
08/30/23	DRK	Analyze correspondence to Walsh, extensive REA, submittals and other contract documents and create memorandum regarding same.	3.50	892.50
08/30/23	LKB	Review request for equitable adjustment and correspondence regarding same.	0.70	178.50
08/31/23	LKB	Review request for equitable adjustment and related materials.	0.60	153.00



Oakland County Water Resources
Commissioner, MI
Matter Name: Construction Dispute - Walsh
Construction
Client: 30164 Matter: 463149
Invoice: 1352166

September 14, 2023

Page 3

Total	7.10	\$	1,810.50
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Oakland County Water Resources Commissioner, MI
Attn: Megan Koss, Esq.
One Public Works Drive
Waterford, MI 48328-1907
WRCLegalInvoices@oakgov.com

Invoice: 1352166
Date: 09/14/2023
Client: 30164
Matter: 463149

Matter Name: Construction Dispute - Walsh Construction

REMITTANCE

Total Due This Invoice: \$ **1,810.50**

FOR ACH/WIRE REMITTANCES:
PNC Bank, N.A.
500 First Ave.
Pittsburgh, PA 15219
ABA ACH: 041000124
WIRE: 041000124
Account: 4130223462
Account Name: Clark Hill PLC
SWIFTCODE: PNCCUS33

PLEASE REMIT TO:
Clark Hill PLC
P.O. Box 641858
Pittsburgh, PA 15264-1858

Fed ID: 38-0425840

Scan to Pay
clarkhill.com/invpayments



Please forward remittance details to: remit-pmts@clarkhill.com.
For assistance making a payment please call (313) 965-8290.

September 14, 2023

Mr. Jim Nash
Secretary of
Oakland-Macomb Interceptor
Drain Drainage District
One Public Works Drive
Waterford, MI 48093

84918-6010101-155020-(See acct below)-
PRJ 17384 - 5113- v#2788 WT: DBT00074
Client: 58434
Matter: 418892

Invoice#1352819



10/12/2023

FOR PROFESSIONAL SERVICES RENDERED:

As Bond Counsel in connection with the
Districts \$5,730,000 Oakland-Macomb
Interceptor Drain Drainage District
Bond, Series 2020B (2023 Issue) \$18,400.00

Publication in the Bond Buyer 2,780.00
Out of Pocket Costs 1,700.00

Total SC730170 22,880.00

****Treasury Filing Fee
(Check made out to Clark Hill) SC730177 1,100.00

Total: \$23,980



SR

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

Invoice: 1353143
Date: 09/15/2023
Client: 58434
Matter: 424741

82912-6010101-149030-731073-5113-v#2788

Matter Name: GLWA Model Wastewater Contract

10/12/2023

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH AUGUST 31, 2023

Total Fees:	\$	1,782.00
Total Due This Invoice:	\$	1,782.00



CSM Mechanical, LLC

1235 Holden Ave.
Milford, MI 48381

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

Invoice

Date	Invoice #
7/17/2023	23-444

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.**

JL Ben

10/13/2023

P.O. Number	Terms	Due Date
	Net 60	9/15/2023

Description	Amount
Perform Stainless Steel Tubing for BOI Filter	
Materials - Pipe and Fittings	567.94
Labor	440.00
Vehicle/Tool Allowance	85.00
Sub Contract Profit	25.00
Overhead and Profit	66.00
<i>TM-8-7-23</i>	

Total		\$1,183.94
Payments/Credits		\$0.00
Balance Due		\$1,183.94

WE ACCEPT MASTER CARD, VISA, AND DISCOVER CARD

Inland Lakes Landscaping Corp.

Invoice

560 S. Telegraph Rd.
Pontiac, MI 48341



10/12/2023

82912-155020-730373-4436-ch. 21 - v # 16044

Date	Invoice #
9/27/2023	24727
Terms	

Bill To	Job Name
OCWRC C/O George Nichols Bldg 95 West-One Public Works Dr Waterford, MI 48328	Oakland Macomb Toepfer Site Warren, MI

Qty	Description	Rate	Amount
1	LS Vegetation Maintenance: 8/18/2023 - Applied Herbicide Treatment to kill vegetation 9/12/2023 - Mow, Trim Brush, Clean-up debris from site.	1,825.00	1,825.00
	Sales Tax	6.00%	0.00

			Total	\$1,825.00
Phone #	Fax #	E-mail	Payments/Credits	\$0.00
(248) 338-8088	(248) 338-6705	inlandlakes@comcast.net	Balance Due	\$1,825.00




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

INVOICE

Invoice #
198877

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

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

10/13/2023

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

Date	Sep 01, 2023	Terms	Upon Receipt	Route	Detroit Route	Job #	4746
Inv #	198877	PO #	01031	Territory	LECO	Type	Maintenance

Quantity	Description	Taxable	Measure	Price	Amount	
1.00	Elevator Maintenance Service for September, 2023	No	Each	204.00	\$204.00	
Elevator Maintenance Service for September, 2023						
					Taxable	\$0.00
					Non-Taxable	\$204.00
					Sub-Total	\$204.00
					Sales Tax	\$0.00
					TOTAL	\$204.00

PLEASE DETACH THIS PORTION AND RETURN WITH PAYMENT

Rev. 01/15/14

TM-9-30-23



Lardner Elevator Company
 729 Meldrum
 Detroit, MI 48207

Account # 00-6642-2
 Northeast Pump Station
 Invoice # 198877
 Amount \$204.00
 Paid \$

WO 1031




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

INVOICE

Invoice #
199012

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

Bill To:  *Jed Ben* 10/13/2023
 Oakland Macomb Interceptor Drain Drainage District
 1 Public Works Drive
 DGreen@metcoservices.com
 Waterford, MI 48328

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

Date	Sep 29, 2023	Terms	Net 30 Days	Route	Detroit Route	Job #	4790
Inv #	199012	PO #	00998	Territory	LECO	Type	Repair

Quantity	Description	Taxable	Measure	Price	Amount
2.50	Mechanic O/T - #275	No	Each	370.00	\$925.00
2.50	Mechanic R/T - #275	No	Each	242.00	\$605.00
27.00	Mileage - #275	No	Each	1.00	\$27.00
9/27/2023 TT# 186136 E# 8944 OT Call. Reset unit. Checked operations and returned to service.					
9/29/2023 TT# 186136 E# 8944 Reprogrammed phone/message and relocate intercom.					
					Taxable \$0.00
					Non-Taxable \$1,557.00
					Sub-Total \$1,557.00
					Sales Tax \$0.00
					TOTAL \$1,557.00

PLEASE DETACH THIS PORTION AND RETURN WITH PAYMENT

Rev. 01/15/14

TM-9-30-23



Lardner Elevator Company
 729 Meldrum
 Detroit, MI 48207

Account # 00-6642-2
 Northeast Pump Station
 Invoice # 199012
 Amount \$1,557.00
 Paid \$

*W0
1049*

MFCI, LLC
 435 Union St.
 Milford, MI 48381 US
 steveb@mfc.com

Invoice 1265



BILL TO
 Oakland Macomb Interceptor
 Drain District

DATE
 09/19/2023

PLEASE PAY
\$25,275.00

DUE DATE
 10/19/2023

10/12/2023

FND84918-PRG155020-SC731451-PRJ-17384-WDCON9302 Exp: 12/31/24 WT: DBT00074

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
09/19/2023	Services	Financial Advisor - \$5,730,000 Oakland Macomb Interceptor Drain Drainage District Bonds, Series 2020B (2023 Issue)	1	15,375.00	15,375.00
09/19/2023	Services	Official Statement preparation, assembly, publication for Oakland County and Macomb County (\$4,500), plus three local units (\$1,500 each)	1	9,000.00	9,000.00
09/19/2023	Out of Pocket Expense	Out of pocket expenses related to software subscriptions (\$100 per bond offering), TM3 MMD Pricing and Interest Rate Data (\$350 per bond offering).	1	450.00	450.00
09/19/2023	Out of Pocket Expense	MAC Fee (pass through)	1	450.00	450.00

TOTAL DUE

\$25,275.00

THANK YOU.

MFCI, LLC can receive payments via check, ACH, or wire. ACH or wire instructions are as follows:

Banking Information:
 Receiving Bank: PNC Bank
 PNC Bank ABA: 041000124
 Beneficiary: MFCI, LLC
 Beneficiary Account Number: 4134100566



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

10/12/2023

84917 - 149015 - 730940 - 4724 - 1-3309 - Ch.21 - v# 683 - Exp. 6/1/26

Invoice # 12925	Page 1 of 1
Account Number	Date
OAKLINT-01	10/3/2023
BALANCE DUE ON	
10/31/2023	
AMOUNT PAID	Amount Due
	\$46,410.00

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

23-24 Construction Safety Consultant Policy Number OCIPNESPSADMIN23 Effective: 9/20/2023 to 9/20/2024

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
676726	9/20/2023	10/31/2023	RENB	1st of 4 Quarterly Installments - For Q4 2023	\$46,410.00

Total Invoice Balance: \$46,410.00

Payment due upon receipt.



INVOICE NO. 1811-57

DATE: October 4, 2023

METCO PROJECT NO. 1811

INVOICE PERIOD: 09/04 thru 10/01/2023

Contract ID 000000000000000000000517

Vendor ID 0000020486

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

TITLE: OMID & NESPS Operation and Maintenance

Operational Plan

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

Handwritten signature

10/13/2023

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Lists staff including Raj Vijayendran, PE, Terry Moore, Darrin Green, Anthony Vozza, and Rosana Santos with their respective hours and rates.

Subtotal OMID Operatons: \$ 14,340.00

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

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10/13/2023

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Lists staff including Raj Vijayendran, PE, Terry Moore, Darrin Green, Anthony Vozza, and Rosana Santos with their respective hours and rates.

Subtotal NESPS Operations \$ 17,487.66

Subtotal Operations \$ 31,827.66

Maintenance & Asset Management

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

Handwritten signature

10/13/2023

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Lists staff including Terry Moore, Anthony Vozza, and Darrin Green with their respective hours and rates.

Subtotal OMID Maintenance: \$ 5,220.00

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

Handwritten signature

10/13/2023

Table with 5 columns: Name, Title, Hrs., Rate/Hr., Amount. Lists staff including Raj Vijayendran, PE, Terry Moore, Daniel Martel, and Sean Grant with their respective hours and rates.

Travis Ford	Sr. Project Engineer	0.0	\$	145.00	\$	-
Shailesh Patel	Sr. Project Engineer	0.0	\$	145.00	\$	-
Darrin Green	Staff Engineer	95.0	\$	90.00	\$	8,550.00
Darrin Green	Staff Engineer-(Overtime)	1.0	\$	135.00	\$	135.00
Anthony Vozza	Staff Engineer	69.0	\$	90.00	\$	6,210.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal:						\$ 22,225.00
Maintenance Services (see attached invoices):						\$ 2,042.12
Subtotal NEPS Maintenance:						\$ 24,267.12
Subtotal Maintenance:						\$ 29,487.12

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

Jed Brun

10/13/2023

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>		<u>Rate/Hr.</u>		<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$	215.00	\$	-
Terry Moore	Operations Manager	0.0	\$	145.00	\$	-
Terry Moore	Operations Manager (Overtime)	0.0	\$	195.00	\$	-
Sean Grant	Sr. Project Engineer	9.0	\$	145.00	\$	1,305.00
Darrin Green	Staff Engineer	0.0	\$	90.00	\$	-
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Anthony Vozza	Staff Engineer	0.0	\$	90.00	\$	-
Abhishek Shah	Staff Engineer	112.0	\$	90.00	\$	10,080.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal Maintenance:						\$ 11,385.00

Task 12.0 - As-Needed Services - VFD Pump 4 – Fund 82912, Program 149090, Account 730646

Jed Brun

10/13/2023

Raj Vijayendran, PE	Principal Engineer	32.0	\$	215.00	\$	6,880.00
Subtotal 12.0:						\$ 6,880.00

TOTAL AMOUNT DUE THIS INVOICE: \$ 79,579.78

FND84918-PRG155020-SC731451-PRJ-17384 WT: DBT00074

MR. MIKE GREGG



10/13/2023

OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT, MI
ONE PUBLIC WORKS DRIVE
WATERFORD, MI 48328

Replacement Invoice

Recipient	Invoice No.:	P0447338
OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT, MI ONE PUBLIC WORKS DRIVE WATERFORD, MI 48328	Customer No.:	9000006831
	Invoice Date:	September 29, 2023
	Orig Inv Date:	September 28, 2023

For Professional Services:		
Total Net Value:	USD	19,500.00
Sales Taxes:	USD	0.00
Invoice Amount:	USD	19,500.00

Inquiries Contact

MIS Collections Team
Email : MISCollections@moodys.com

Moody's Investors Service, Inc. Taxpayer ID#: 13-1959883

Please do not contact your Analytic Team regarding this or any other fee-related matter.

Return This Portion With Your Payment

Invoice No.: P0447338
Moody's Ref No.: P0447183
Customer No.: 9000006831
Invoice Date: September 29, 2023

Invoice Amount: USD 19,500.00
Invoice Payable in USD

Wire Payment with Invoice Number to

Truist Bank
Transit Routing # 061000104
ACH # 061000104
Moody's Account # 8801939847
For Customers wiring outside the U.S.: Swift Code: BRBTUS33

Mail Payment with Invoice Stub To

Moody's Investors Service, Inc.
P.O. BOX 102597
ATLANTA, GEORGIA 30368-0597
USA

PAYMENT DUE UPON RECEIPT



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

Jed Ben 10/13/2023

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

Invoice #: 633967
 Project: 61-200186
 Invoice Group: **
 Invoice Date: 10/4/2023

Attention Sid Lockhart

For Professional Services Rendered from 8/26/2023 - 9/22/2023

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

Task 01	NI-EA OMID Contract No. 1 CCA	\$2,759,494.00
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	\$2,976,962.00
	Percent Complete:	93.13%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	15,807.71	\$ 644,572.32
Overhead %	188.00	29,718.49	1,211,795.97
Total Regular Labor Expense		45,526.20	1,856,368.29
Total Direct Labor		45,526.20	1,856,368.29
Profit / Fixed Fee %	12.00	5,463.14	222,764.21
Direct Expenses Charge		1,939.56	57,157.81
Expense Multiplier %	5.00	96.98	2,857.89
Direct Subcontractor Charge		4,991.07	597,547.33
Subcontractor/Subconsultant Multiplier %	6.00	299.47	35,852.93
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		7,327.08	693,415.96
Total Costs:		58,316.42	2,772,548.46
Total Due This Invoice	\$	58,316.42	\$ 2,772,548.46



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

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

Invoice # : 633968
 Project : 61210495
 Invoice Group :
 Invoice Date : 10/4/2023

Attention Sid Lockhart

For Professional Services Rendered from 8/26/2023 - 9/22/2023

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

10/13/2023

Additional OMID NESPS Maintenance Engineering Services

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

Preliminary Budget Amount \$98,017.00
 Percent Complete: 95.75%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 9.00	\$ 21,018.29
Overhead %	188.00 16.92	39,514.38
Total Regular Labor Expense	25.92	60,532.67
Total Direct Labor	25.92	60,532.67
Profit / Fixed Fee %	12.00 3.11	7,263.92
Direct Expenses Charge	0.00	523.60
Expense Multiplier %	5.00 0.00	26.19
Direct Subcontractor Charge	200.00	24,057.10
Subcontractor/Subconsultant Multiplier %	6.00 12.00	1,443.44
Total Other Direct Charges Reimbursables	212.00	26,050.33
Total Costs:	241.03	93,846.92
Total Due This Invoice	\$ 241.03	\$ 93,846.92



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

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

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

10/13/2023

Invoice # : 633969
Project : 61-210313
Invoice Group : **
Invoice Date : 10/4/2023

Attention Sid Lockhart

For Professional Services Rendered from 5/27/2023 - 9/22/2023

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

Task 01	Contract 3 NESPS Rehab Closeout	\$9,563.00
Task 02	PCI-4 Liner Deterioration Closeout	\$10,939.00
Task 03	Discharge Pipe Coating Rehabilitation	\$27,930.00
Task 04	NESPS Wet Well Sediment Survey	\$19,639.00
	Preliminary Budget Amount	\$68,071.00
	Percent Complete:	81.09%

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		1,066.80	22,841.94
Subcontractor/Subconsultant Multiplier %	5.00	53.34	1,142.12
Total Other Direct Charges Reimbursables		1,120.14	24,116.61
Total Costs:		1,120.14	55,202.05
Total Due This Invoice		\$ 1,120.14	\$ 55,202.05



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

10/13/2023

Invoice # : 633970
Project : 61210124
Invoice Group : **
Invoice Date : 10/4/2023

Attention Sid Lockhart

For Professional Services Rendered from 6/24/2023 - 9/22/2023

Consulting Services Regarding 2021 OMID System Inspection

Task 01 Inspection and Reporting **\$526,974.00**
Preliminary Budget Amount **\$526,974.00**
Percent Complete: 57.10%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 406.87	\$ 18,336.70
Overhead %	188.00 764.92	34,472.98
Total Regular Labor Expense	1,171.79	52,809.68
Total Direct Labor	1,171.79	1,171.79
Profit / Fixed Fee %	12.00 140.61	6,337.16
Direct Expenses Charge	0.00	855.92
Expense Multiplier %	5.00 0.00	42.82
Direct Subcontractor Charge	0.00	227,206.67
Subcontractor/Subconsultant Multiplier %	6.00 0.00	13,632.40
Direct Unit Rate Charge	0.00	0.00
Total Other Direct Charges Reimbursables	0.00	241,737.81
Total Costs:	1,312.40	300,884.65
Total Due This Invoice	\$ 1,312.40	\$ 300,884.65



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

FND84918-PRG149015-SC730639-PRJ-17408-1-ENG_CONSULT-WDCON8173

John Brown

10/13/2023

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

Invoice #: 633971
 Project: 23001693
 Invoice Group: **
 Invoice Date: 10/4/2023

Attention Sid Lockhart

For Professional Services Rendered from 8/26/2023 - 9/22/2023

Provide Engineering and Consulting Services regarding OMID PCI-18 and PCI-19 Rehabilitation Project CCA

Task 01 Contract 2 CCA Services **\$1,873,563.00**
 Preliminary Budget Amount **\$1,873,563.00**
 Percent Complete: 3.37%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 7,273.79	\$ 15,836.25
Overhead %	188.00 13,674.73	29,772.15
Total Regular Labor Expense	20,948.52	45,608.40
Total Direct Labor	20,948.52	20,948.52
Profit / Fixed Fee %	12.00 2,513.82	5,473.01
Direct Expenses Charge	307.15	585.95
Expense Multiplier %	5.00 15.35	29.29
Direct Subcontractor Charge	6,044.31	10,847.73
Subcontractor/Subconsultant Multiplier %	6.00 362.66	650.87
Total Other Direct Charges Reimbursables	6,729.47	12,113.84
Total Costs:	30,191.81	63,195.25
Total Due This Invoice	\$ 30,191.81	\$ 63,195.25



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

10/12/2023

INVOICE 82710934	INVOICE DATE Aug 10, 2023
----------------------------	-------------------------------------

JOB ADDRESS
Main Tab
OMED Oakland Macomb County Dra
Detroit, MI 48234

Completed Date: 8/10/2023
Customer PO: Work Order #931
Payment Term: NET 30
Due Date: 9/9/2023

Materials

MATERIAL	DESCRIPTION	QUANTITY	YOUR PRICE	YOUR TOTAL
Contracted services (1)	On site services for annual SP-001 fuel tank inspections	1.00	\$650.00	\$650.00

TM-8-14-23

SUB-TOTAL	\$650.00
TOTAL DUE	\$650.00
BALANCE DUE	\$650.00

Thank you for choosing PM Technologies

931



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

10/12/2023

INVOICE 83640399	INVOICE DATE Sep 12, 2023
----------------------------	-------------------------------------

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

Completed Date: 9/12/2023
Payment Term: NET 30
Due Date: 10/12/2023

TASK	DESCRIPTION	QTY	PRICE	TOTAL
Monthly Inspections	Monthly Inspection Perform Secondary Inspection on generator and transfer switch(es). Update on-site maintenance log (as applicable) **excludes live transfer test	1.00	\$1,050.00	\$1,050.00
SUB-TOTAL				\$1,050.00
TOTAL DUE				\$1,050.00
BALANCE DUE				\$1,050.00

Thank you for choosing PM Technologies

TM-9-13-23



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

September 19, 2023
Invoice No: 03559.01 - 39

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

10/12/2023

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from August 1, 2023 to August 31, 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

Billing Limits

	Current	Prior	To-Date
Total Billings	18,687.48	472,842.62	491,530.10
Limit			880,000.00
Remaining			388,469.90

Total this Invoice \$18,687.48

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	6/13/2023	9/21/2023	12620

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,597.51	-	\$2,597.51	\$2,597.51	-	-
Totals:		\$2,597.51		\$2,597.51	\$2,597.51		
Less Retained:				-			
Invoice Total:				\$2,597.51			

WO# 880

4-2023 P2-P4 MOTOR MAINTENANCE

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

10/12/2023

complete electrical construction

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WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	6/15/2023	9/27/2023	12654

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,490.50	-	\$2,490.50	\$2,490.50	-	-
Totals:		\$2,490.50		\$2,490.50	\$2,490.50		
Less Retained:							
Invoice Total:				\$2,490.50			

WO 710

P2 AND P4 VFD SHELTER MAINTENANCE

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

TM - 9-28-23 *Joel Brown*

10/12/2023

complete electrical construction

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WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	6/8/2023	9/27/2023	12655

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,834.31	-	\$2,834.31	\$2,834.31	-	-
Totals:		\$2,834.31		\$2,834.31	\$2,834.31		
Less Retained:							
Invoice Total:				\$2,834.31			

WO 950

P2 JUNE 2023 MOTOR MAINTENANCE

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

10/12/2023

TM-9-28-23

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INVOICE

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WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	6/7/2023	9/27/2023	12656

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$900.28		\$900.28	\$900.28		
Totals:		\$900.28		\$900.28	\$900.28		
Less Retained:							
Invoice Total:				\$900.28			

WO 955

MECHANICAL ROOM LIGHTING RE-LAMPING

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

10/12/2023

TM. 9-28-23

complete electrical construction

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Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	6/21/2023	9/27/2023	12658

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billing	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$732.50	-	\$732.50	\$732.50	-	-
Totals:		\$732.50		\$732.50	\$732.50		
Less Retained:				-			
Invoice Total:				\$732.50			

WO 969 SUB P4 SHUTDOWN

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

Joel Brown

10/12/2023

TM-9-28-23

complete electrical construction

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987



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PO Number
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Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	7/24/2023	9/27/2023	12659

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$1,004.75	-	\$1,004.75	\$1,004.75	-	-
Totals:		\$1,004.75		\$1,004.75	\$1,004.75		
Less Retained:							
Invoice Total:					\$1,004.75		

WO 987

P2 E-CALL FOR E-STOP ALARM

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

TM-9-28-23 Joel Brown

10/13/2023

complete electrical construction

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998



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Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	8/10/2023	9/27/2023	12660

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$1,623.75	-	\$1,623.75	\$1,623.75	-	-
Totals:		\$1,623.75		\$1,623.75	\$1,623.75		
Less Retained:				-			
Invoice Total:				\$1,623.75			

WO 998

DRY WELL POWER LOSS

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

Joel Brown

10/13/2023

TM-9-28-23

complete electrical construction

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1012



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Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	8/14/2023	9/27/2023	12661

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$18,729.00	-	\$18,729.00	\$18,729.00	-	-
Totals:		\$18,729.00		\$18,729.00	\$18,729.00		
Less Retained:							
Invoice Total:				\$18,729.00			

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

Handwritten signature: Joel Brown
Handwritten note: TM-9-28-23

10/13/2023

complete electrical construction

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Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	8/23/2023	9/27/2023	12662

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$783.75	-	\$783.75	\$783.75	-	-
Totals:		\$783.75		\$783.75	\$783.75		
Less Retained:				-			
Invoice Total:				\$783.75			

WO 1013

P6 FAIL TO START

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

Joel Brown 10/13/2023

TM-9-28-23

complete electrical construction

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PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	8/1/2023	9/27/2023	12663

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,276.73	-	\$2,276.73	\$2,276.73	-	-
Totals:		\$2,276.73		\$2,276.73	\$2,276.73		
Less Retained:							
Invoice Total:				\$2,276.73			

WO 1014

P2 AND P4 AUGUST MOTOR MAINTENANCE

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

TM-9-28-23 *Joel Brown*

10/13/2023

complete electrical construction

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117 W. 4th Street
Ste. 201
Royal Oak, MI 48067

October 01, 2023

Kelsey Cooke

One Public Works Drive
Building 95 West
Waterford, MI 48328

FND26279-PRG149015-SC731073-PRJ-11660-1-LEGAL_FINANCE
CON5661-V#22594 Exp 5/31/24

A handwritten signature in black ink, appearing to be 'JL' followed by a flourish.

10/12/2023

Invoice Number: 20230594

Invoice Period: 01-01-2021 - 09-30-2023

Client Contact Young, Douglas

Fees	15,715.00
Expenses	22.27
Total for this Invoice	15,737.27
Total Amount to Pay as of 10-01-2023	15,737.27

KC 2023-10-05



117 W. 4th Street
Ste. 201
Royal Oak, MI 48067

October 01, 2023

Kelsey Cooke
One Public Works Drive
Building 95 West
Waterford, MI 48238

FND84917-PRG149015-SC731073-PRJ-13309-1-LEGAL_FINANCE
CON5661-V#22594 Exp 5/31/24

A handwritten signature in black ink, appearing to be 'J. B.', is written over the signature line.

10/12/2023

Invoice Number: 20230595
Invoice Period: 04-01-2023 - 09-30-2023

Client Contact Young, Douglas

Fees	4,200.00
Expenses	13.10
Total for this Invoice	4,213.10
Total Amount to Pay as of 10-01-2023	4,213.10

KC 2023-10-05

Agenda Item No. 11

Other Business



**Oakland-Macomb Interceptor Drain
2024 Meeting Schedule**

The following meetings will convene at 11:30 a.m. in the office of the **Oakland County Water Resources Commissioner**, Public Works Building, One Public Works Drive, Waterford, Michigan and virtually:

January 17, 2024
February 21, 2024
March 20, 2024

April 17, 2024
May 15, 2024
June 12, 2024

The following meetings will convene at 11:30 a.m. in the office of the **Macomb County Public Works Office**, 21777 Dunham Road, Clinton Township, Michigan and virtually:

July 17, 2024
August 14, 2024
September 18, 2024

October 16, 2024
November 20, 2024
December 18, 2024



Agenda Item No. 12

Adjourn