

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

November 17, 2021 – 11:30 a.m.

Via GoToMeeting

1. Call meeting to order

Board Members:

Michael Gregg, Chair, Michigan Department of Agriculture and Rural Development

Candice Miller, Macomb County Public Works Commissioner

Jim Nash, Oakland County Water Resources Commissioner

2. Motion to approve the meeting agenda for November 17, 2021
3. Motion to approve the Drainage District Board Meeting Minutes from October 20, 2021
4. Public Comment
5. Motion to approve the following Change Order:
 - a) Walsh Construction Change Order No. 16 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$498,851.64
6. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 13 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$900,803.35 with a transfer to the Oakland County Treasurer in the amount of \$100,089.27
 - b) Construction Estimate No. 8 for Marra Services for NIEA Contract No. One for PCI 4 Rehabilitation in the amount of \$370,293.58 with a transfer to the Oakland County Treasurer in the amount of \$41,143.73
7. Report/Update – Status of OMID Repairs Project
8. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
9. Motion to approve the following invoices:
 - a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs
 - 1) Labor/Fringes/Non-Direct Labor Factor

• Segment 5 NI-EA Construction	\$	4,189.74
• Segment 5 NESPS Mech./Elect. Construction	\$	18,671.70
 - 2) Equipment Charges

• Segment 5 NI-EA Construction	\$	145.97
• Segment 5 NESPS Mech./Elect. Construction	\$	1,833.43
 - b) ASI, Inc.

Invoice No. 33	NESPS	\$	70,894.03
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c)	Clark Hill			
1)	Invoice No. 1140188	NI-EA	\$	1,504.50
2)	Invoice No. 1140214	NI-EA	\$	3,564.00
d)	Dickinson Wright			
1)	Invoice No. 1602750	O&M	\$	150.00
2)	Invoice No. 1624185	O&M	\$	150.00
3)	Invoice No. 1624182	O&M	\$	712.50
e)	GLWA			
	Service date: 10-5-2021	NESPS	\$	133.00
f)	METCO			
	Invoice No. 1811-34	O&M	\$	70,591.40
g)	NTH Consultants, Ltd			
1)	Consulting Services 2021 OMID Inspection Invoice No. 5	O&M	\$	853.50
2)	Contract No. 1 PCI-4 Invoice No. 11	NI-EA	\$	75,160.36
3)	Eng./Consult. Services NESPS CMT Invoice No. 13	NESPS	\$	1,863.77
4)	NESPS Safety Manual and Crane Support Invoice No. 15	O&M	\$	1,940.11
5)	NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4 Invoice No. 29	NI-EA	\$	31,861.13
6)	Repairs – OMID System Immediate Repairs Invoice No. 33	O&M	\$	933.59
7)	Rehabilitation Program 2021 Closeout Services Invoice No. 58	NI-EA	\$	2,774.21
h)	Rotor Electric Company			
1)	Invoice No. 12446	O&M	\$	77,910.00
2)	Invoice No. 12456	O&M	\$	59,850.00

10. Present proposed 2022 meeting dates

11. Other Business

12. Adjourn

Next Regular Meeting: December 15, 2021 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the next meeting will be held via GoToMeeting.

Agenda Item No. 3

Board Meeting Minutes from October 20, 2021

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

October 20, 2021

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held via GoToMeeting on the 20th day of October at 11:30 a.m. Eastern Time. Due to the COVID-19 pandemic, the meeting was conducted virtually in accordance with PA 254 of 2020, as may be amended from time to time and/or as otherwise provided by law.

PRESENT:

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

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker and Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Anne Vaara, Steven Korth, Joel Brown, Sid Lockhart, Megan Koss, and Stephanie Lajdziak. Others in attendance: Fritz Klingler, FK Engineering; Shawn Phelps and Jeff Ragle, OC Fiscal Services; Larry Gilbert and Saju Sachidanandan, NTH Consultants; Terry Moore, Metco; John Michalski, ASI; Pauline Dave.

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:34 a.m. and noted the meeting was being held electronically in accordance with PA 254 of 2020, per the state of emergency declared by Clinton Township, Michigan. In compliance with the aforementioned, Chairperson Gregg indicated he was participating from Mason, Michigan, Commissioner Miller indicated she was participating from Clinton Township, Michigan and Commissioner Nash indicated he was participating from Waterford, Michigan.

2. Agenda.

Motion by Miller, supported by Nash, to approve the October 20, 2021 agenda as presented.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

3. Minutes.

Motion by Nash, supported by Miller, to approve the minutes of the September 15, 2021 meeting.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

4. Public Comment.

None.

5. Memorandum Requesting Closeout of NESPS Odor and Corrosion Project and Transfer of Project Assets.

Mr. Brown indicated to the Board that the NESPS Odor and Corrosion Project had reached final completion and that final payment and release of retainage to CSM Mechanical was previously approved by the Board. He further noted that, pursuant to the Wastewater Disposal Services Contract, the Drainage District needs to transfer assets from the Drainage District to GLWA.

- a) Motion by Nash, supported by Miller, to authorize the administrative and fiscal closeout of the NESPS Odor and Corrosion Control Project (#1-2708) as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

- b) Motion by Miller, supported by Nash, to authorize the formal transfer of the NESPS Odor and Corrosion Control Project (#1-2708) assets as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

6. Change Order

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

- a) Walsh Construction Change Order No. 15 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$29,250.32. Motion by Nash, supported by Miller, to approve the Change Order as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

7. Construction Pay Estimates.

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

- a) Construction Estimate No. 12 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$1,486,950.18, with a partial reserve payment to the Contractor in the amount of \$65,880.12 and with a transfer to the Oakland County Treasurer in the amount of \$177,843.24. Motion by Miller, supported by Nash.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

- b) Construction Estimate No. 10 for Walsh Construction for CS-9 Gate Installation for a reserve payment to the Contractor in the amount of \$124,076.61. Motion by Miller, supported by Nash.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

- c) Construction Estimate No. 7 for Marra Services for NIEA Contract No. One for PCI 4 Rehabilitation in the amount of \$1,581,744.63 with a transfer to the Oakland County Treasurer in the amount of \$175,749.40 Motion by Nash, supported by Miller.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

8. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS and NI-EA.
Fritz Klingler of FK Engineering presented the Project Progress Update to the Board and summarized the status of various projects. Motion by Nash, supported by Miller, to receive and file the report and summary.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

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

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

Mr. Lockhart and Ms. Phelps engaged in discussion regarding the undesignated fund versus emergency reserves and whether a transfer into the latter from the former would be warranted. Motion by Nash, supported by Miller, to approve the \$1,500,000 transfer from the

undesignated fund balance into the emergency reserves for anticipated expenditures that will be emergency repairs.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

NASH: AYE

10. Invoices.

The following invoices were submitted to the Board for approval:

a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs			
1) Labor/Fringes/Non-Direct Labor Factor			
	• Segment 5 NI-EA Construction	\$	24,962.59
	• Segment 5 NESPS Mech./Elect. Construction	\$	22,081.53
2) Equipment Charges			
	• Segment 5 NI-EA Construction	\$	971.31
	• Segment 5 NESPS Mech./Elect. Construction	\$	1,762.74
3) Reimbursement			
	• Macomb Invoice No. ARP210225	\$	53,705.74
b) ASI, Inc.			
	Invoice No. 32	NESPS	\$ 69,183.27
c) CH2M			
	1) Invoice No. 32	Seg. 4	\$ 3,875.22
	2) Invoice No. 33	Seg. 4	\$ 7,548.44
d) Clark Hill			
	1) Invoice No. 1130577	O&M	\$ 663.00
	2) Invoice No. 1130664	O&M	\$ 6,507.00
	3) Invoice No. 1130667	O&M	\$ 1,296.00
e) Cortis Brothers			
	Invoice No. 8622	O&M	\$ 166,610.10
f) CSM Mechanical, LLC			
	Invoice No. 21OMIDD010	O&M	\$ 1,724.25
g) D'Angelo Brothers			
	Invoice No. 7442-WRCOMID	O&M	\$ 10,448.23
h) Dickinson Wright			
	1) Invoice No. 1611233	O&M	\$ 1,837.50
	2) Invoice No. 1619820	O&M	\$ 1,312.50
	3) Invoice No. 1619825	O&M	\$ 5,212.50
i) Inland Lakes			
	Invoice No. 24668	O&M	\$ 1,625.00
j) Kurschat & Co.			
	Invoice No. 6373	O&M	\$ 300.00
k) METCO			
	Invoice No. 1811-33	O&M	\$ 103,599.00
l) Motor City Technology			
	Invoice No. 93600	O&M	\$ 117.25
m) NTH Consultants, Ltd			

1)	Consulting Services 2021 OMID Inspection Invoice No. 4	O&M	\$ 207,920.84
2)	Contract No. 1 PCI-4 Invoice No. 10	NI-EA	\$ 103,435.05
3)	Eng./Consult. Services NESPS CMT Invoice No. 12	O&M	\$ 5,931.28
4)	NESPS Safety Manual and Crane Support Invoice No. 14	O&M	\$ 3,488.97
5)	NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4 Invoice No. 28	NI-EA	\$ 23,801.26
6)	Repairs – OMID System Immediate Repairs Invoice No. 32	OIR	\$ 1,939.78
7)	Rehabilitation Program 2021 Closeout Services Invoice No. 57	O&M	\$ 7,406.47
n)	PMA		
1)	Invoice No. 3559.01-15	NESPS	\$ 12,363.33
2)	Invoice No. 3559.01-16	NESPS	\$ 10,817.92
o)	Rotor Electric Company		
1)	Invoice No. 12438	O&M	\$ 59,850.00
2)	Invoice No. 12439	O&M	\$ 45,838.74
3)	Invoice No. 12440	O&M	\$ 17,982.46

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

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

11. Other Business.

Mr. Brown provided background for the RFP for procurement of an emergency bypass pumping contractor to facilitate emergency bypass and dewatering operations. One bid was received from Mersino Dewatering. The selection panel unanimously agreed that Mersino had the requisite background, staff qualifications and appropriate cost for services. Further to this, Mr. Brown indicated that the anticipated \$1,000,000 cost associated with this contract would likely be exceeded and asked the Board to increase the amount of the contract.

Motion by Miller, supported by Nash to approve the professional services agreement with Mersino to provide emergency bypass and dewatering services for a not-to-exceed amount of \$1,500,000.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

Chairperson Gregg addressed potential Drainage District 2022 meeting dates. He inquired as to whether the Drainage District and/or Milk River meeting could be changed to accommodate his schedule. Discussion ensued regarding Drainage District meeting options.

It was noted that moving the Drainage District meeting to the fourth Wednesday of the month would conflict with Oakland County's Chapter 20 meetings. A proposed final meeting schedule for 2022 will be presented to the Board during the November meeting.

Mr. Brown gave a brief overview of scheduled events anticipated at the Drainage District facility site tour set for November 3, 2021.

12. Adjourn.

Motion by Nash, supported by Miller, to adjourn the October 20, 2021 meeting at 1:20 p.m.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

NASH: AYE

Next Regular Meeting: November 17, 2021 at 11:30 a.m., Eastern Time via GoToMeeting.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District , at a meeting held on October 20, 2021 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 October 2021.



Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Change Order

CHANGE ORDER NO. SIXTEEN

Oakland Macomb Interceptor Drain, Drainage District (OMIDDD)

For Construction of the Pump and Electrical Upgrades Project

Northeast Sewage Pumping Station (NESPS)

Located in the City of Detroit, Wayne County, Michigan

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

Authorization for: 1.) Furnish, install, and verify operation of a new Fire Alarm system in the NESPS building and outbuildings, in conformance with a code-based Class B Alarm System; 2.) Additional Safety and Maintenance Enhancements for NESPS Wet Well; 3.) Adjust the cable size and conduit diameter connecting the 480v Substation and Power Panel #2; 4.) Provide primary cable wall supports in existing Electrical Manhole No. E-4; 5.) Provide increased (Temporary) Power ampacity to power the existing switchgear resulting from the loss of existing NESPS Transformer # 3 and the accelerated (out of sequence) powering up of the new Transformer #3; 6.) Provide additional wiring and disconnects for NESPS rooftop equipment; 7.) Provide additional wiring and conduit for NESPS Lavatory Unit Heater; 8.) Accounting Adjustment for previous C.O. Item # 11-7

Address:

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

Change Order No. 16 Date: November 05, 2021

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
16- #1	LOCATION: The Northeast Sewage Pumping Station; Detroit, Wayne County, Michigan					
	DESCRIPTION (Extra/ Add): Install and confirm operation of a comprehensive Class B Fire Alarm system in the NESPS facility, including the existing structure, new construction, Standby Generator enclosures, and the Sewage Pump # 4 VFD Enclosure.	LS	1 ea.	\$340,885.94	\$340,885.94	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 16

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
16- #1	<p><u>REASON:</u></p> <p>The original Contract drawings referenced improvements to an (anticipated) partially functioning existing system. However, detailed investigations disclosed that virtually no elements of an operable system actually existed in the NESPS facility. As a result, an entirely new comprehensive, code-compliant Class B system was devised that includes monitoring, controls and instrumentation, alarming functions (audible, visual, and systems control notifications) and Fire Alarm code inspection and certification requirements. Also included in the system are sensing and alarm functions for the remote Standby Generator and VFD enclosures, as well as new and existing construction included in the current Pump & Electrical Upgrades Contract scope. The cost of this new system was further adjusted (credit deduct) for work originally included in the Base Contract, but now deleted with the new system design.</p> <p>Attachment: Walsh Construction PCI # 970031, Rev.6</p>					
16- #2	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Provide worker safety fall protection tie-off points adjacent to the Wet Well bar screens, and replace the service water hose outlet with new valving, wash-down hose, and accessories.</p> <p><u>REASON:</u></p> <p>Current work activity in the Wet Well (lowest) platform area identified the need for additional wall mounted anchor points to secure fall protection lanyards and ensure worker safety when operating adjacent to exposed bar screen areas that lack handrail protection.</p> <p>In addition, the original (lowest) service water outlet in the Wet well bar Screen platform area was inoperable due to age and debris fouling. The valving was replaced, and a new length of 1-1/2 in. dia. Wash Down hose was provided to allow for routine cleanup and maintenance tasks to be performed following high water events and/or routine wet well cleaning.</p> <p>Attachment: Walsh PCI # 970100, Rev.0</p>	LS	1 ea.	\$3,973.03	\$3,973.03	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 16

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
16- #3	<p><u>DESCRIPTION (Change/ Add):</u></p> <p>Increase the electrical cable size and associated conduit diameter for the feed connecting the 480v Substation to Power Panel 2 (PP-2).</p> <p><u>REASON:</u></p> <p>Additional analysis of the load requirements for this electrical feed identified the need for upsizing the ampacity of the electrical cable. This resulted in a specification change for increased cable sizing with a corresponding conduit diameter upsizing to comply with NEC (National Electrical Code) provisions.</p> <p>Attachment: Walsh Construction PCI # 970090, Rev. 2</p>	LS	1 ea.	\$3,983.30	\$3,983.30	-0-
16- #4	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Furnish and install new wall-mounted primary cable stanchions and support arms in existing Electrical Manhole No E-4 to support the newly installed primary cable and Trifurcating Splices.</p> <p><u>REASON:</u></p> <p>Installation of the new primary power cable and splicing connections extending through the existing (aging) Electrical MH E-4 required new "racking arms" to provide proper support and separation of the cable and cable splices. A combination of 7 ea. non-metallic wall stanchions (brackets) and 14 ea. horizontal cable rack "support arms" were provided to address this condition.</p> <p>Attachment: Walsh Construction PCI # 970102, Rev. 1</p>	LS	1 ea.	\$4,912.06	\$4,912.06	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 16

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
16- #5	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>The unexpected failure of existing NESPS Transformer # 3 required accelerated emergency procedures to bring the new NESPS Transformer on-line as a replacement to ensure that full NESPS pumping capacity would be maintained. This effort required re-work of a temporary "jumper" from the new MV Switchgear to the existing Bus 3 main, while utilizing existing MV cabling, re-working conduit runs, and testing of the installation prior to placing in service.</p> <p><u>REASON:</u></p> <p>The in-service failure of existing NESPS Transformer # 3 reduced the redundant pumping capabilities of the NESPS leaving the Standby Diesel Generator complement as the backup to the remaining available power source. Arrangements were made to expedite the delivery of the new NESPS Transformer T-3 and primary cabling, and this additional activity allowed the re-work in the facility necessary to bring the new primary power arrangement "on line". The additional effort increased the ampacity of the temporary conduit and cabling to power the existing switchgear, including the out of sequence powering-up of the new Transformer T-3.</p> <p>Attachment: Walsh Construction PCI #970097, Rev. 2</p>	LS	1 ea.	\$137,613.35	\$137,613.35	-0-
16- #6	<p><u>DESCRIPTION: (Change/ Extra):</u></p> <p>Provide and install additional NESPS rooftop electrical devices for safety and maintenance tasks.</p> <p><u>REASON:</u></p> <p>Final wiring and startup operations suggested the need for locally mounted roof top safety disconnects (switches) and 110v convenience outlets for future servicing needs. In addition, two weatherproof disconnects for ACCU-1 and ACCU-2 were upsized (with lower amp fuses) and were installed to maintain service within the manufacturer's load recommendations.</p> <p>Attachment: Walsh PCI 970103, Rev.1</p>	LS	1 ea.	\$6,238.08	\$ 6,238.08	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 16

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
16- #7	<p>DESCRIPTION (Change/Extra)</p> <p>Provide additional conduit and wiring to address unit heater load requirements in the NESPS Motor Room lavatory, and provide for separate (redundant) operation of the Fan Room exhaust and supply fans.</p> <p>REASON:</p> <p>It was determined that additional current loads for the lavatory Unit heater would require power supply from a spare breaker in MCC #3 thereby resulting in the need for additional conduit and wiring. Additionally, changes in the wiring will now allow one supply fan and one exhaust fan to operate when the other companion circuit is disabled or locked out.</p> <p>Attachment: Walsh Construction PCI No. 970104, Rev. 1</p>	LS	1 ea.	\$5,963.39	\$ 5,963.39	-0-
16- #8	<p>DESCRIPTION (Accounting Adjustment):</p> <p>Provide an accounting adjustment for the deletion of original Change Order Item No. 11-7 which was subsequently transferred to the Control Structure 9 Contract, but was not deleted from the Pump & Electrical Upgrades project.</p> <p>REASON:</p> <p>Change Order No. 11-7 addresses the need for an emergency generator connection (manual transfer switch) to the CS-9 Control Cabinet but was inadvertently included in a Change Order for the Pump & Electrical Upgrades Contract.</p> <p>This additional task appropriately belongs to the CS-9 Project and was later moved to that Contract accounting, without deleting it from the Pump & Electrical Upgrades accounting. This adjustment corrects the previous duplicative accounting entry in the P&EU project.</p> <p align="center">*****</p> <p>End of Change Order No. 16 Line Items</p>	LS	1 ea.	\$4,717.51	-0-	(\$4,717.51)

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 16

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	Change Order # 16 Totals					
					Amount Increase	Amount Decrease
			Totals		\$503,569.15	(\$4,717.51)
			Net Changes (Increase)		\$498,851.64	-----

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 16

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

Date: 11-25-2021

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

Date: 11/8/2021

Approved By:
Joel Brown, P.E.
Project Manager, WRC

Date: 11/9/21

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

Date: 11/9/2021

Approved By:
Sid Lockhart, P.E.
Manager of Special Projects, WRC

Date:

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

Steven Korth

Date: Nov. 12, 2021

All of 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:

DocuSigned by:
Stephen Downing
588F73D8A29D445

vice President

Date Nov-05-2021 | 1:42 PM CDT

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. 16 was approved by the Drainage Board on: Date:

Agenda Item No. 6

Construction Estimates

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
Northeast Sewage Pumping Station- Pump and Electrical Upgrades Project
Located in the City of Detroit, Wayne County, Michigan

Rev. 8-11-2021

Regular Construction Estimate No. Thirteen
Page One of Two

Oct. 01, 2021 through Oct. 31, 2021

Department No.:	6010101	Account No.:	731472
Fund No.:	84917	Program No.:	149015
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		Final Completion Date:	July 28, 2023
Detroit, MI 48202	Contract No. 5977		

Orig. GMP amount for Pump & Elec. Upgrades Project, not including CS-9 and Pre-Const. Balance	\$44,107,745.18
Expended Pre-Construction Phase Amount	(\$1,174,363.30)
Unused Pre-Construction Phase Budget	(\$70,196.70)
CS-9 Budget from GMP	(\$3,251,117.72)
NESPS Pump & Elec. Upgrades Original Contract Budget	\$39,612,067.46
Change Orders, This Estimate: Number 15	\$29,250.32
Previous C.O.s: (C.O.# 7, 8, 9, 10, 11,12, 13, & 14) (Less C.O. 11, Item 11-7 \$ 4,717.51)	\$1,223,583.39
Unused Pre-Construction Phase Budget	\$70,196.70
Adjusted Construction Contract Amount:	\$40,935,097.87
Sub-Total To Date: (CS-9 Costs are Not included on this Estimate)	\$16,394,121.80
Less Deductions:	None
Gross Estimate: (Work in Place) Complete = 40.0%	\$16,394,121.80
Less Amount Reserved (Adjusted for partial release to Subs- App #12)	\$1,573,532.07
Total Amount Allowed To Date:	\$14,820,589.73
Less Previous Estimates: Incl. partial reduction in reserve of \$65,880.12 (App # 12)	\$13,919,786.38
Current Payment Due	\$900,803.35
Reserve Pay to Contractor:	\$0.00
Balance to Finish: \$24,540,976.07	Accounting Auditor:
Amount To Be Reserved (From Above):)	\$1,573,532.07
Less Previous Transfers To Reserve (N/I CS-9 Contract Retention)	\$1,539,322.92 -65,880.12
Amount of Current Transfer	\$100,089.27

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
Northeast Sewage Pumping Station- Pump and Electrical Upgrades Project
Located in the City of Detroit, Wayne County, Michigan
Walsh Construction Co. II; Construction Manager at Risk

Regular Construction Estimate No. Thirteen
Page Two of Two

10/01/ 2021 through 10/31/ 2021

Prepared by: Lawrence T. Gilbert

Date: 11-08-21

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

Recommended by: John Michalski

Date: 11/8/2021

John Michalski, P.E., ASI

Recommended by: Joel Brown

Date: 11/9/21

Joel Brown, P.E. Oakland County WRC

Recommended by: Stephen Downing

Date: 11/9/2021

Stephen Downing; Macomb County OPWC

Approved for Payment by: _____

Date: _____

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

Regular Construction Estimate No. 13 (October, 2021)

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. 8

Period: 10/01/21 through 10/31/21

Department No.: 6010101
Fund No.: 84917
Project No.: 100000003308

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

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

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

Date of Contract: January 21, 2021
Final Completion Date: September 9, 2022

Original Construction Contract Amount	\$14,732,510.00
Previous Change Orders:	\$664,392.00
Change Orders This Estimate: None	\$0.00
Total Net Change Orders:	\$664,392.00
Adjusted Contract Amount:	\$15,396,902.00
Sub-Total To Date	\$5,048,761.33
Less Deductions: None	\$0.00
Gross Estimate, Work in Place: 32.8% Complete	\$5,048,761.33
Less Amount Reserved (10%)	\$504,876.13
Total Amount Allowed To Date:	\$4,543,885.20
Less Previous Estimates	\$4,173,591.62
Net Payment Request To Be Paid To Contractor:	\$370,293.58
Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$10,348,140.67	Accounting Auditor:
Amount to be Reserved from Above	\$504,876.13
Less Previous Transfers To Reserve:	\$463,732.40
Amount of Current Transfer	\$41,143.73

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

Date: 11-05-2021

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

Date: November 09, 2021

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

Date: 11/9/21

Recommended by: Stephen Downing
Stephen Downing; Macomb County OPWC

Date: 11/9/2021

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

Date: _____

Regular Pay Estimate No. 8

Approved By Board On: _____

Agenda Item No. 7

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

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

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

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 Engineering, Inc.

November 17, 2021 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (November 8, 2021) 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 – Contract Extended to 5/15/2022

Engineering Consultant: Jacobs

Project Budget Summary (including EWOs):

- | | |
|---|--------------|
| • Adjusted Project Budget (including EWOs and Fan Testing Allowance): | \$567,447.00 |
| • Total Spent (through May 2021): | \$566,441.58 |

Status of Major Project Tasks:

- System-wide Odor/Corrosion Study and additional requested work is substantially complete. Jacobs delivered on May 28, 2021 a draft technical memorandum that summarizes the NI-EA Phase 1 odor sampling recently performed at the NESPS and in PCI-4. The memorandum is currently under OMIDDD review. Final report to be issued following written final comments from OMIDDD and completion of additional data gathering (see below).
- Jacobs is currently developing a proposal for additional data gathering (H2S and pressure readings) within the NIEA and OMID portions of the system to further evaluate impacts from flow control sequencing. Final Report will be updated accordingly.

SRF Segment 2 Status:

Contract 3 (Base Contract) – Complete, Closeout Pending

Construction Amt Invoiced: \$18,011,426.41, as adjusted by C.O. 11.

Schedule Status: Complete July 31, 2014; Overall Contract closeout will be combined with closeout for NESPS Discharge Chamber Emergency Repairs (CO 2-E, et al).

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Contract 3-2E thru 3-2J (NESPS Gatehouse): Complete*

Construction Amt Invoiced: \$5,151,543.52 Invoiced to date including Change Order 2E through 2J.

Schedule Status: Substantially Complete on 11/25/17, with additional Gatehouse lining work performed under Change Order 2-I and completed on March 31, 2019.

- Work was complete in 2017, although final defective work repairs were pending flow control availability. Following determination of widespread failed Tnemec coating within the discharge manifold piping in early 2021, abandoned further (relatively small) warranty repairs and began close-out and final settlement negotiations with Inland Waters. Contract 3 (Base Contract and Emergency Gatehouse Repairs) remains open pending resolution of negotiations.
- Appraised EGLE SRF division of current status and requested final close-out of SRF Loan.

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, although deterioration noted in early 2021; also see NIEA Contract 1 Summary. A further manned inspection of PCI-4 adjacent to the NESPS gatehouse was planned, but has been delayed to early December, 2021 due to flow control and Confined Space Entry support issues. Representatives of the Project Owner, the Contractor, the Engineer, and the lining manufacturer will participate in an effort to better understand the deteriorating condition of the current spray-on cementitious lining material. This section of PCI-4 currently planned for re-lining (using GFRPMP) under NIEA OMID Contract 1 (PCI-4 Rehabilitation).

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

November 17, 2021 OMIDDD Board Meeting

NESPS & OMID Maintenance & Repairs Status:

Amt Invoiced: \$199,701 thru July, 2021 out of current \$353,000 ASI engineering budget; Does not include Metco budget for ongoing flow control, maintenance, and coordination.

Schedule Status: Ongoing

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

- Emergency standby contracts have been completed. Project team is working to finalize contract with Mersino for standby emergency bypass pumping.
- The OMIDDD Project Team is currently considering the viability of keeping the 15 Mile Road bypass pumping arrangement intact. Plans are now in place for demobilization of the pumping and support equipment, with the bypass piping remaining on site pending final decisions on a potential permanent installation.
- The OMIDDD Design Team will meet to discuss modifications to the current DRAFT Emergency Plan, based on the lessons learned from the July 2021 partial implementation of the plan. Meeting pending Mersino being on board for discussions.
- Remaining items include punch-list and optimization steps for electrification, the modification of one manhole, and the finalization of the Emergency Plan per above.

Additional work being performed under Metco Maintenance Contract for NESPS:

- Flow control operations related to OMID/MID sewer repair/upgrade projects in progress.
- Mechanical and Electrical corrective/preventative maintenance schedules continue.
- Coordination between GLWA, MID, NESPS, Pump/Electrical Upgrade Project has not affected station operations nor hindered performance or abilities to meet demands.
- Wet well sediment inspection and barscreen cleaning scheduled for November 10, 2021.
- The OMIDDD Project Team is researching methods for using high pressure water onsite for bar screen cleaning.
- NESPS Health and Safety Plan finalized.

Overall Station Performance Report:

- Sanitary Pumps #2, #4, #5, and #6 are ready for duty with no issues to report. Pump capacity on October 26, 2021 is 500-cfs.
- Sanitary Pump #5 motor shop-tested on Friday, October 15, 2021 at York facilities in Flint. METCO and Rotor in attendance. No issues. Test report on file. Motor delivered on October 20, 2021 and re-coupled and placed in service on October 26, 2021.
- Sanitary Pump #1 remains out of service as part of the upgrade project. The Pump #1 knife gate valve has been removed under flow control. It is flanged off with no leaks.

November 17, 2021 OMIDDD Board Meeting

- Existing Transformer 4 and Standby Generator remain for supply and back-up.
- New Transformer 3 has been energized and remains ready for connection.
- NEXGEN asset management in use.
- Gas detection faults/alarms under investigation by contractor in both dry and wet wells. To resolve the issues, contractor will calibrate, revise settings, and troubleshoot the SCADA related items.
- A revised parameter change for the HVAC system was put in place to correct inconsistencies within the program. OMID reviewed and accepted changes.
- Bio Filter performance normal with no odor complaints or issues to report. Parameters checked daily and shared with Bio Aire on a weekly basis.
- Overall General Housekeeping tasks in order.

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

- Daily flow control operations now support MID/OMID/GLWA repair and improvement projects.
- All LOTO protocols are in-place with no issues to report.
- System-wide communications are good.
- CS-6 in stand-by mode ready for service.
- CS-7 in stand-by mode ready for service.
- CS-8 in stand-by mode ready for service.
- CS-5 in stand-by mode ready for service.
- CS-9 developed actuator oil leaks on both gate #1 and #2. Each actuator was pulled and delivered to manufacturer's shop. Repairs are complete. CS-9 gate cleaning and level sensor calibration certification is scheduled for November 9, 2021. CS-9 leak test and Hobas lining inspection scheduled for November 10, 2021.
- Routine daily rounds and inspection made with no other maintenance issues to report at this time.

Other System Operation Issues

- O&M Manual currently being revised to include new structures, recently modified structures, new monitoring equipment, and recent inspection and repair status.

OMID Control Structure Upgrades Status:

Amt Invoiced: \$69,772 Engineering services to date; Total design and construction budget currently established as \$500,000 (including contingencies and admin/legal).

Schedule Status: Construction of cover mods substantially complete 8/14/20

- Hatch and Access improvements complete, CSM Contract closed-out.
- CS-5, CS-6, CS-7, and CS-8 mechanical repairs have been completed by HESCO and control structures are in stand-by mode, ready for service.
- HESCO has provided a study of control structures that evaluates long-term operability. This document is currently under review.

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OMID System 3-Year Spot Repairs and 6-Year Inspection Status:

Amt Invoiced: Total design and construction budget for 3-Year repairs currently is established as \$1,352,801 (including contingencies and admin/legal).

Schedule and Progress Status:

- Remaining 3-year spot repair work consists of step removal at one manhole in PCI-8, delayed due to access issues and timing of other work.
- The 6-Year inspection began July 8, 2021 in PCI-10B and is ongoing with some minor infiltration observed and documented. Inspections remain to be completed in PCI-7 and PCI-8.
- Some damage noted to the CIPP Liner installed in 42" section of PCI-11A. Design Team is finalizing options for repair.

NIEA Repairs (Design/Construction)

Amt Invoiced: \$2,104,405 out of currently projected study/design budget of \$2,400,570; Total design and construction budget currently is \$44,168,770 (including contingencies and admin/legal). Contract 1 construction work is now complete to approximately 30.1% of the Contract value, based on the current application for payment.

Schedule Status: Contract 1: PCI-4 Interceptor Outer Drive Access Shaft excavation has progressed as far as possible until internal rib system is complete. In-sewer installation of internal ribs and monorail erector has experienced continuing delays due to weather and system operational flow control limitations. The project is currently behind schedule by several weeks primarily due to flow control issues.

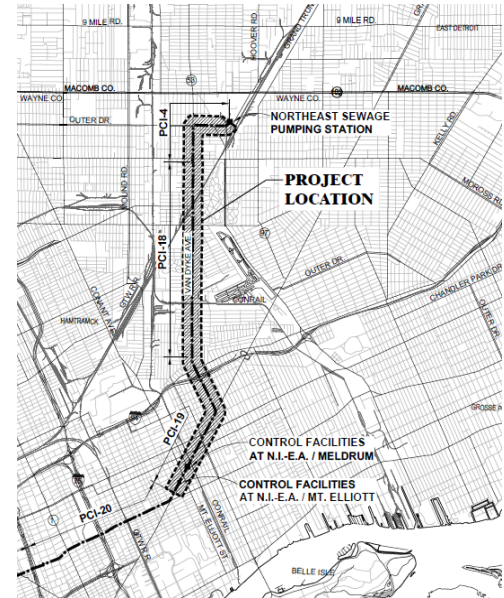
Contract 2: 100% draft design work complete; expected to bid in December 2021 pending permit issues and coordination with GLWA projects that impact flow control management requirements.

Progress for both contracts is summarized:

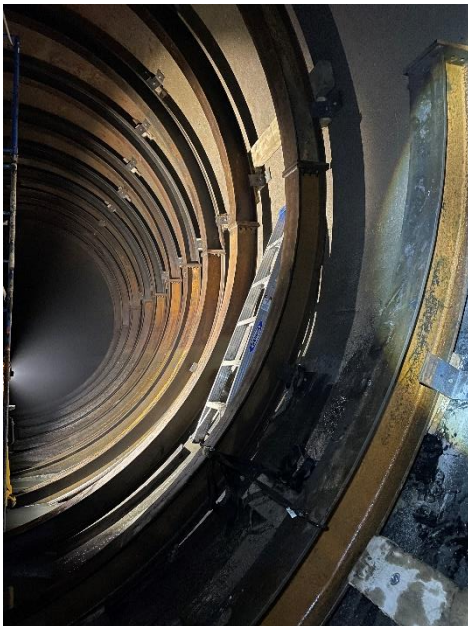
November 17, 2021 OMIDDD Board Meeting

Contract 1 (PCI-4 Rehabilitation)

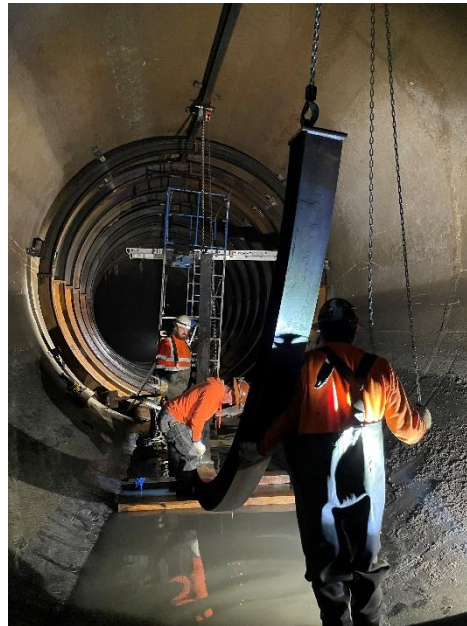
- Upper 110 ft of PCI-4; re-lined only 3 years ago, is now undergoing failure of applied material. Team continues to work with the material supplier (Milliken) to determine cause; although proceeding with re-lining under NIEA Contract 1.
- Access shaft excavation and liner-plate TERS remains at approximately 14 feet below ground surface.
- Geotechnical monitoring of construction activities indicates stable conditions.
- Installation of in-sewer supports continues with twelve ribs fully placed. Upon completion of rib installation, shaft excavation and TERS construction can resume.
- Delivery of Channeline lining segments continues.



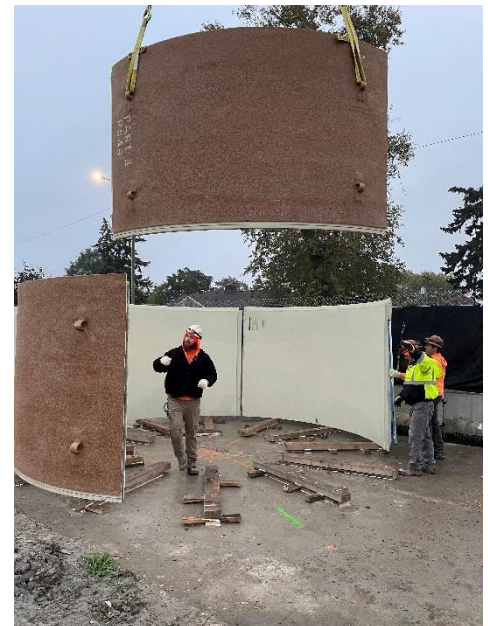
NI-EA OMID Contracts 1 & 2 Project Location



Internal rib status on October 20, 2021



Internal rib installation on October 22, 2021



Marra staging Channeline segmental lining for eventual installation on October 27, 2021

November 17, 2021 OMIDDD Board Meeting

Contract 2 (PCI -18/19 Rehabilitation)

- NI-EA OMID Contract No. 2 PCI-18 & 19 Rehabilitation has been workshopped with GLWA and the team continues to develop a 100% final design.
- Flow control necessary to complete Contract 2 work is expected to impact a downstream GLWA project (DB—226). The Project Team continues to monitor DB-226 project schedule with respect to the NIEA Contract 2 schedule. Contract 2 is being structured such that potential interference between the two contracts can be mitigated.
- Current City of Detroit permitting issues have also forced delay of the bid advertising date (expected December 2021).
- A protocol for inspection and monitoring to compliment the pilot study is drafted for internal and GLWA review. This protocol will be included in the 100% design package as notes.
- Working with GLWA to develop cost sharing agreement; Draft agreement is under internal review.
- 100% draft design is issued for internal review. 100% final submittal is in preparation; completion pending determination of potential impacts from downstream flow control issues; expected bid date in December 2021.

The **draft** line item schedule and budget 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 TBD* (Contract 2)
MDEQ Submittal (Part 41)			4/28/2020 (Contract 1) TBD* (Contract 2)
Issued for Bid			6/10/2020 (Contract 1) TBD* (Contract 2)
Bid Opening			9/30/2020 (Contract 1) TBD* (Contract 2)
Contract Award and NTP			12/16/2020 and 1/04/2021 (Contract 1) TBD* (Contract 2)
Subtotal - Design	\$2,400,570		
Final Completion of Construction	\$3,500,000	\$35,000,000	07/23/2022* (Contract 1) 10/30/2023* (Contract 2)

*Estimated Date

NESPS Pump and Electrical Upgrades Project

Budget Status: \$1,280,139 billed out of current Design Budget of \$1,382,430; \$968,018 out of the current CCA Budget of \$2,443,262. Total construction budget currently established as \$44,080,284.50, including contingencies and admin/legal, through C.O. #14). The total amount invoiced to date as of October 31, 2021 is \$16,394,121.80 (not including the Control Structure 9 Bulkhead Gate facility), representing 40.0% of the project adjusted contract value.

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Schedule Status: On Schedule, however delivery of the main sewage pumps and motors is delayed which may ultimately impact substantial and final completion dates. The Construction Manager is working to find options for schedule improvement.

The following Design Team Effort work is active:

- A review of alternative energy saving methods and pump sequence remains ongoing, incorporating GLWA SCC comments.

The following Construction Services work is active:

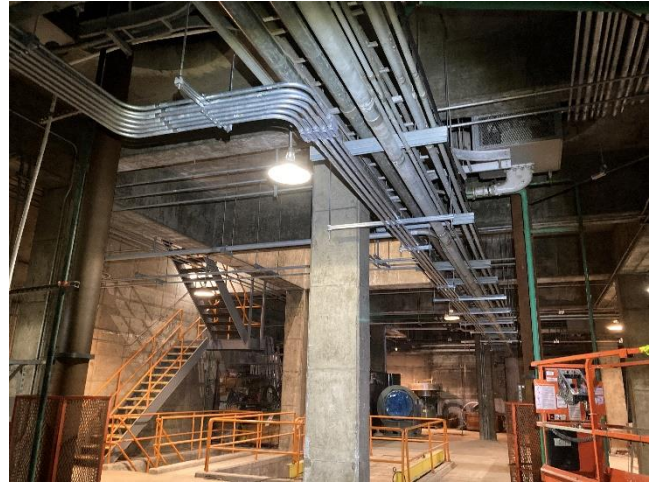
- Construction Phase services (RFI's, Submittals) are ongoing, and the engineering team is reviewing and responding.
- Knife gate #1 has been removed and is currently undergoing rehabilitation.
- Grading, seeding, and mulch is seasonally complete, with some outstanding areas to be finalized following site paving in 2022.
- Interior electrical work is nearing completion with conduit and switchgear installation. The building is now enclosed with the installation of overhead doors.
- Masonry work on electrical building is in the punch list stage.
- Discharge piping work is underway on Pumps #1 and #3.
- 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 - Design	\$3,826,000	\$43,581,019	
10 Substantial Completion	\$2,500,000 (est.)	\$43,300,000 (est.)	3/24/2023
11 Final Completion			6/23/2023

November 17, 2021 OMIDDD Board Meeting



**NESPS Refurbishment
Project Location**



New conduit runs in NESPS



System check of new electrical gear on October 21, 2021



New Pump #3 pipe and elbow build

November 17, 2021 OMIDDD Board Meeting



Aerial view of NESPS in October 2021

CS-9 Gate Installation

Budget Status:

Total design and construction budget currently established as approximately \$3,104,237.93M (including contingencies and admin/legal).

Schedule Status:

Engineering/Design efforts complete; Work is now estimated at 99.6% complete based on current Progress Payment Applications.

The following work is active:

- Hydrogate gate has been installed.
- Site restoration, final leak testing, and minor punchlist items remain.
- Site restoration is substantially complete and will be fully complete following full CS-9 commissioning.
- The hatch covers that fell into the sewer have damaged the HOBAS liner. HOBAS representatives will be on-site to assess the damage in November 2021 with Doetsch to provide repair services. The apparent damage to the liner has been submitted as an insurance claim and an adjuster will be visiting the site in mid-November.
- Issues with the accuracy of reporting have been identified with the level sensor and gate actuator. Walsh is working to address these issues.

November 17, 2021 OMIDDD Board Meeting



CS-9 Project location

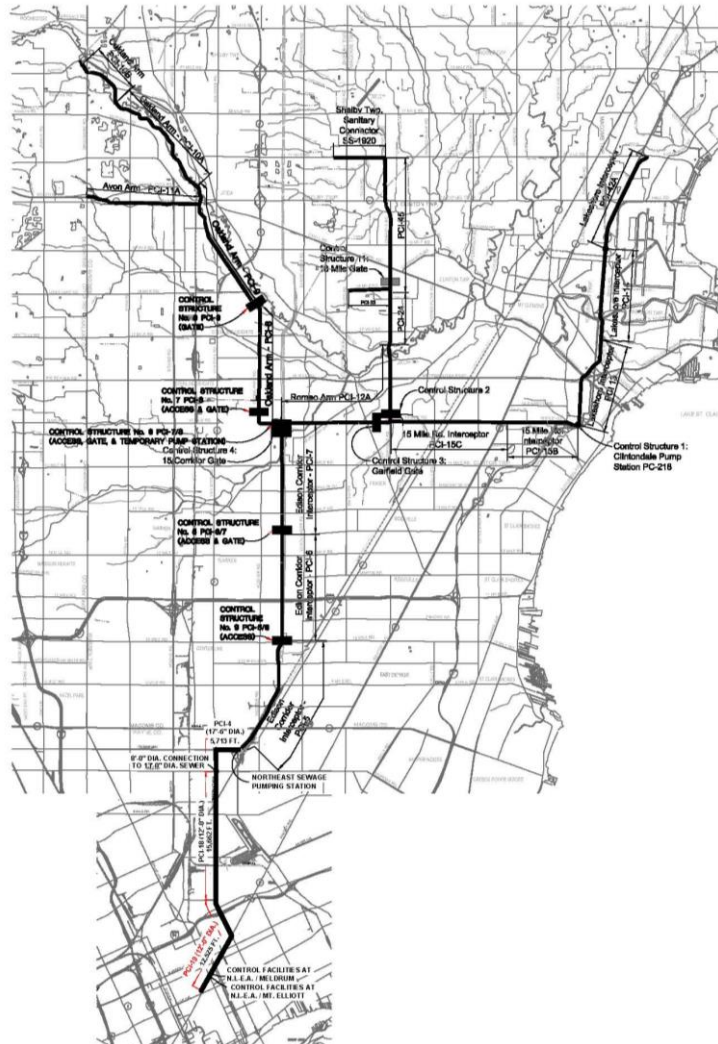
Summary of OMID Design and Construction Status:

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*	N*	N/A
2	Contract 3 (Grouting PCI-5 thru 8)	IWPC	Y	Y	Y	N*	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/N/N	Y/N/N	N/A
N/A	OMID Maintenance Repairs	Doetsch	Y	N	N	N	N/A
N/A	CS-9 Gate Modifications	Walsh as CMR	N	N	N	N	N
N/A	NESPS Pump & Electrical Upgrade	ASI; Walsh as CMAR	N	N	N	N	N
N/A	NIEA-OMIDDD Contract 1 (PCI-4)	Marra	N	N	N	N	N

* In review, pending Coating Issues Resolution and Change Order and Memo of Understanding approvals

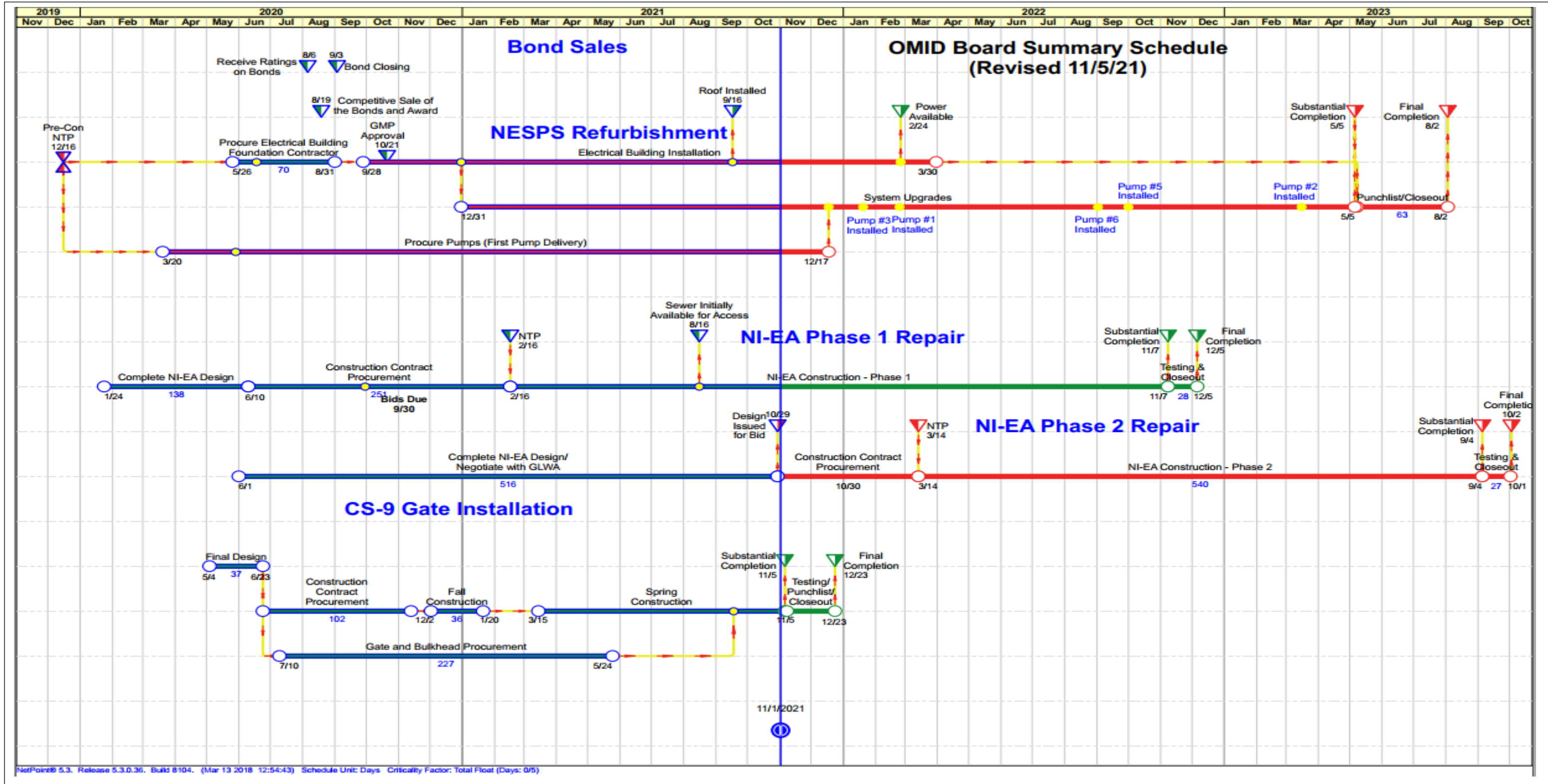
November 17, 2021 OMIDDD Board Meeting

Work Currently in Design/Study/Engineering		
Description	Design Consultant	Status
System-wide Odor/Corrosion Study	Jacobs	Study Complete
NESPS & OMID Maintenance & Repairs	Metco	Engineering/Maintenance Ongoing
NIEA-OMIDDD Contract 2 (PCI-18/19)	NTH	Design ~90% Complete; pursuing cost sharing w/ GLWA
Emergency Pumping Plan	ASI/FKE	Design Complete; minor field work remains. System successfully tested; Draft Plan to be modified



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

November 17, 2021 OMIDDD Board Meeting



OMID Project Schedule Summary

November 17, 2021 OMIDDD Board Meeting

MID/OMID Construction Schedule

Project	Work Location	Owner	Lead Engineer	Contractor	2021	2022												2023												MID/OMID Control Devices Required to Store Flow										Concurrent Work Notes	
					N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	CS-2	CS-3	CS-5	CS-6	CS-6 PS	CS-7	CS-8	CS-9	CS-12		CPS
MID Grouting (Preliminary schedule has GI and LSI work beginning when)	Lakeshore Interceptor (LSI)	MID	AEW	Doetsch																																					Work is Random - If other work requires CS-3 closure, then LSI work will be concurrent. CPS can not be used for storage. Schedule duration is TBD based on grout takes.
MID Inspection	Routine Inspection of MID Manholes & Interceptors	MID	Fishbeck	Doetsch																																				Work may require brief flow control to inspect certain reaches. Work will be coordinated around active construction.	
Segment 6 Lining	15 Mile upstream of Garfield (15 Mile Interceptor)	MID	FKE	Ric-Man																																				Flow control on pause but upcoming. May work concurrent with Segment 5 or NIEA rehabilitation. Schedule is preliminary.	
	15 Mile upstream of Garfield & between CS-2/CS-3 (Romeo Arm)	MID	FKE	Ric-Man																																				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 preliminary.	
Segment 5 Lining*	15 Mile between ITC Corridor & Eberlein	MID	FKE	OR																																				If work is concurrent with NIEA rehabilitation; CS-9 is required. Flow control dates may change depending on sediment removal means and methods.	
NIEA Rehabilitation (Downstream of NESPS)	PCI-4 Shaft & Lining	OMID	NTH	MARRA																																				If work is concurrent with Segments 5 & 6 Lining; CS-9 is required.	
	PCI-18/19 Spot Repairs, Lining, and Flow Controls	OMID	NTH	TBD																																				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.	
OMID CCTV Inspection	Throughout System	OMID	NTH	Doetsch																																				Flow control will be required within certain reaches to facilitate.	
CS-9 Gate Installation & Hobas Repair	CS-9	OMID	NTH	Walsh																																				Requires periodic for for remoaval and reinstallation of the cylinders. Then another date for testing.	
NESPS Improvements	NESPS Pump Replacement	OMID	ASI	Walsh																																				Will require brief flow control for pump installation, gate installation, and electrical work.	
DB-226 DRI Repairs	GLWA - DRI	GLWA	FKE	Jay Dee																																				Can be effected by flows rerouted from the NIEA to the DRI.	
PSPS / COSDS Work (PSPS Shutdown)	PSPS	WRC	n/a	n/a																																				Reduced diversion to PSPS this Fall to 5MGD. Scheduled shut down of PSPS in September; no flow diversion to Pontiac WWTP (CRWRRF). Will significantly impact storage capabilities on the Oakland Arm CS gates.	

Table updated on 11/1/2021. Estimates to be updated as necessary.

* Flow control from 8/20 through 10/21 will be required for sewer cleaning. Flow control requirements are TBD based on contractor means & methods, not reflected in "Control Devices Required to Store Flow" section

* Flow control from 7/21 through 12/21 is shown for sewer lining. 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

Agenda Item No. 8

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

YTD Trial Balance
Fund: 84915 Oakland Macomb InterceptorSeg4
As of Fiscal Period: Month 1, 2022

Run By: WRC_REPORTING
Run: 11/09/2021 at 05:19 PM
Scope: 84915 Oakland Macomb InterceptorSeg4

ACCOUNT		Oakland Macomb InterceptorSeg4 100000001913	OMI NESPS GATEHOUSE SEG4 100000002232	NESPS Odor Corrosion StdY Seg4 100000002708	YTD Balance
100100	Cash - Operating	1,219.86	(2,406.47)	15,287.54	14,100.93
101900	Fund Cash Transaction	12,881.07	2,406.47	(15,287.54)	0.00
104100	Accrued Interest on Investment	42,295.44	0.00	0.00	42,295.44
	Revenues	(6,118.51)	(1,143.07)	7,261.58	0.00
697551	Issuance of Bonds	(6,762.56)	(1,263.40)	8,025.96	(0.00)
	Expenditures	0.00	(5,000.00)	0.00	(5,000.00)
	Special Items- Uses	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(43,515.30)	7,406.47	(15,287.54)	(51,396.37)
		(0.00)	0.00	(0.00)	(0.00)

SRF (SAW Loan) final draw request received January 2017.

Cash as of 10/31/2021	\$	14,100.93
Invoices/Reimbursements for Seg 4 on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS NIEA-East Arm on Current Agenda impacting Cash Balance		(2,774.21)
Invoices/Reimbursements for NESPS Odor Corrosion Study on Current Agenda impacting Cash Balance		0.00
Total Net Cash Balance	\$	<u>11,326.72</u>

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb Interceptor Seg4

100000001913

(as of October 31, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730926 - Indirect Costs		0.00	63,879.05	
730940 - Insurance		0.00	67,871.13	
731115 - Licenses and Permits		0.00	320,000.00	
731521 - Public Services		0.00	14,235.58	
732165 - Workshops and Meeting		0.00	29.66	
771638 - Drain Equip Labor		0.00	4,607.71	
771639 - Drain Equipment		0.00	269.47	
Administration TOTALS				
	390,165.00	0.00	470,892.60	(\$80,727.60)
ENG - Engineering				
731346 - Personal Mileage		0.00	18,464.81	
731521 - Public Services		0.00	40,605.00	
771638 - Drain Equip Labor		0.00	791,387.01	
771639 - Drain Equipment		0.00	84,680.70	
Engineering TOTALS				
	484,153.00	0.00	935,137.52	(\$450,984.52)
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		0.00	3,594,242.60	
731073 - Legal Services		0.00	108.00	
Engineering Consultant TOTALS				
	3,275,248.00	0.00	3,594,350.60	(\$319,102.60)
FAC - Facility Acquisition				
731472 - Project Construction and Impr		0.00	14,058,313.68	
731521 - Public Services		0.00	6,798.84	
750294 - Material and Supplies		0.00	228.00	
Facility Acquisition TOTALS				
	15,225,614.00	0.00	14,065,340.52	\$1,160,273.48
INS - Inspection				
730373 - Contracted Services		0.00	473.03	
731521 - Public Services		0.00	16,935.91	
Inspection TOTALS				
	17,408.00	0.00	17,408.94	(\$0.94)
LEGAL - Legal and Financial				
730639 - Engineering Services-Other		0.00	8,398.96	
730940 - Insurance		0.00	54,526.58	
731073 - Legal Services		0.00	124,753.11	
793938 - Discount on Bonds		0.00	6,964.10	
Legal and Financial TOTALS				
	191,321.00	0.00	194,642.75	(\$3,321.75)
ROW - Right of Way				
731563 - Recording Fees		0.00	50.67	
Right of Way TOTALS				
	0.00	0.00	50.67	(\$50.67)

Water Resources Commissioner
PROJECT WORK IN PROGRESS
Oakland Macomb InterceptorSeg4
100000001913
 (as of October 31, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 100000001913 - Oakland Macomb InterceptorSeg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$19,583,909.00	\$0.00	\$19,277,823.60	\$306,085.40
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$6,118.51	\$8,338,987.03	
615572-State Capital Grants	\$0.00	\$1,105,350.77	
655077-Accrued Interest Adjustments	\$0.00	\$42,295.44	
655385-Income from Investments	\$0.00	\$651,137.07	
697551-Issuance of Bonds	\$6,762.56	\$706,449.66	
697753-State Revolving Fund Loans	\$0.00	\$8,490,000.00	
TOTAL REVENUE	\$12,881.07	\$19,334,219.97	
REVENUE OVER/(UNDER) EXPENSES		\$56,396.37	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMI NESPS GATEHOUSE SEG4

100000002232

(as of October 31, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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ADM - Administration

730926 - Indirect Costs	0.00	1,217.23	
771638 - Drain Equip Labor	0.00	53.43	

Administration TOTALS

9,472.00	0.00	1,270.66	\$8,201.34
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CONT - Contingency
Contingency TOTALS

93,209.00	0.00	0.00	\$93,209.00
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ENG - Engineering

771638 - Drain Equip Labor	0.00	13,790.23	
771639 - Drain Equipment	0.00	598.96	

Engineering TOTALS

59,699.00	0.00	14,389.19	\$45,309.81
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ENGCON - Engineering Consultant

730639 - Engineering Services-Other	-5,000.00	1,277,111.50	
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Engineering Consultant TOTALS

496,981.00	-5,000.00	1,277,111.50	(\$780,130.50)
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FAC - Facility Acquisition

731472 - Project Construction and Impr	0.00	3,456,264.64	
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Facility Acquisition TOTALS

3,748,637.00	0.00	3,456,264.64	\$292,372.36
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INS - Inspection

771638 - Drain Equip Labor	0.00	1,277.93	
771639 - Drain Equipment	0.00	59.93	

Inspection TOTALS

5,000.00	0.00	1,337.86	\$3,662.14
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LEGAL - Legal and Financial

731073 - Legal Services	0.00	1,456.00	
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Legal and Financial TOTALS

6,000.00	0.00	1,456.00	\$4,544.00
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Project 100000002232 - OMI NESPS GATEHOUSE SEG4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$4,418,998.00	(\$5,000.00)	\$4,751,829.85	(\$332,831.85)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$1,143.07	\$2,435,857.46	
697551-Issuance of Bonds	\$1,263.40	\$2,315,972.39	
TOTAL REVENUE	\$2,406.47	\$4,751,829.85	
REVENUE OVER/(UNDER) EXPENSES		(\$0.00)	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

10000002708

(as of October 31, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730926 - Indirect Costs		0.00	25,041.48	
730940 - Insurance		0.00	184,130.93	
Administration TOTALS				
	188,148.00	0.00	209,172.41	(\$21,024.41)
CONT - Contingency				
Contingency TOTALS				
	637,000.00	0.00	0.00	\$637,000.00
ENG - Engineering				
771638 - Drain Equip Labor		0.00	123,326.86	
771639 - Drain Equipment		0.00	4,619.73	
Engineering TOTALS				
	206,253.00	0.00	127,946.59	\$78,306.41
ENGCON - Engineering Consultant				
730373 - Contracted Services		0.00	1,317,523.99	
Engineering Consultant TOTALS				
	1,073,000.00	0.00	1,317,523.99	(\$244,523.99)
FAC - Facility Acquisition				
730352 - Construction		0.00	779,225.00	
731472 - Project Construction and Impr		0.00	4,268,094.51	
Facility Acquisition TOTALS				
	4,600,000.00	0.00	5,047,319.51	(\$447,319.51)
INS - Inspection				
771638 - Drain Equip Labor		0.00	212,352.47	
771639 - Drain Equipment		0.00	32,443.08	
Inspection TOTALS				
	190,343.00	0.00	244,795.55	(\$54,452.55)
LEGAL - Legal and Financial				
731073 - Legal Services		0.00	1,744.00	
Legal and Financial TOTALS				
	15,000.00	0.00	1,744.00	\$13,256.00
ROW - Right of Way				
Right of Way TOTALS				
	46,000.00	0.00	0.00	\$46,000.00
STD - Standard Operation				
730926 - Indirect Costs		0.00	3,729.80	
731906 - Testing Services		0.00	31,382.05	
771638 - Drain Equip Labor		0.00	4,613.57	
771639 - Drain Equipment		0.00	2,460.66	
Standard Operation TOTALS				
	38,010.00	0.00	42,186.08	(\$4,176.08)
SUR - Survey Crew				
Survey Crew TOTALS				
	10,246.00	0.00	0.00	\$10,246.00

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

100000002708

(as of October 31, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 100000002708 - NESPS Odor Corrosion Stdy Seg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$7,004,000.00	\$0.00	\$6,990,688.13	\$13,311.87
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	(\$7,261.58)	\$3,273,110.18	
697551-Issuance of Bonds	(\$8,025.96)	\$3,717,577.95	
TOTAL REVENUE	(\$15,287.54)	\$6,990,688.13	
REVENUE OVER/(UNDER) EXPENSES		\$0.00	

YTD Trial Balance
Fund: 84917 Oakland Macomb InterceptorSeg5
As of Fiscal Period: Month 1, 2022

Run By: WRC_REPORTING
Run: 11/11/2021 at 09:43 PM
Scope: 84917 Oakland Macomb InterceptorSeg5

ACCOUNT		YTD Balance No Project	OMID Segment 5 100000003252	OMID NI-EA CONSTRUCTION 100000003308	NESPS MECH-ELEC CONSTRUCTION 100000003309	YTD Balance
100100	Cash - Operating	0.00	1,363,427.77	19,336,460.18	38,530,523.97	59,230,411.92
104100	Accrued Interest on Investment	0.00	(189,937.81)	0.00	0.00	(189,937.81)
222300	Unearned Revenues	0.00	(232,644.66)	(4,707,584.35)	(8,966,439.99)	(13,906,669.00)
230852	Accounts Payable	0.00	0.00	0.00	(1,552,830.03)	(1,552,830.03)
	Revenues	114,536.15	2,789.44	0.00	0.00	117,325.59
	Expenditures	0.00	0.00	4,320.55	17,333.80	21,654.35
	Special Items- Uses	0.00	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(114,536.15)	(943,634.74)	(14,633,196.38)	(28,028,587.75)	(43,719,955.02)
		0.00	(0.00)	(0.00)	(0.00)	(0.00)

Cash as of 10/31/2021 \$ 59,230,411.92

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (112,089.99)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (72,890.80)

Total Net Cash Balance \$ 59,045,431.13

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID NI-EA CONSTRUCTION

100000003308

(as of October 31, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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ADM - Administration

Administration TOTALS

584,000.00	0.00	0.00	\$584,000.00
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CONT - Contingency

Contingency TOTALS

2,581,000.00	0.00	0.00	\$2,581,000.00
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ENG - Engineering

771638 - Drain Equip Labor

1,847.03

63,675.80

771639 - Drain Equipment

53.55

2,596.56

Engineering TOTALS

478,000.00	1,900.58	66,272.36	\$411,727.64
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ENGCON - Engineering Consultant

730639 - Engineering Services-Other

0.00

372,569.89

731444 - Prof Svc-Consultant

0.00

736,871.58

731472 - Project Construction and Impr

0.00

539,637.75

Engineering Consultant TOTALS

4,913,000.00	0.00	1,649,079.22	\$3,263,920.78
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FAC - Facility Acquisition

730352 - Construction

0.00

2,793,814.15

731472 - Project Construction and Impr

175,749.40

4,408,110.06

Facility Acquisition TOTALS

17,983,600.00	175,749.40	7,201,924.21	\$10,781,675.79
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INS - Inspection

Inspection TOTALS

260,000.00	0.00	0.00	\$260,000.00
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LEGAL - Legal and Financial

730940 - Insurance

0.00

41,250.00

731073 - Legal Services

-6,507.00

16,848.00

Legal and Financial TOTALS

1,259,000.00	-6,507.00	58,098.00	\$1,200,902.00
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ROW - Right of Way

731038 - Land and Easement

0.00

3,325.00

731073 - Legal Services

7,170.00

7,425.00

771638 - Drain Equip Labor

1,692.67

41,911.19

771639 - Drain Equipment

64.30

1,685.03

Right of Way TOTALS

265,000.00	8,926.97	54,346.22	\$210,653.78
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STD - Standard Operation

730639 - Engineering Services-Other

0.00

29,419.81

Standard Operation TOTALS

40,000.00	0.00	29,419.81	\$10,580.19
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SUR - Survey Crew

Survey Crew TOTALS

32,000.00	0.00	0.00	\$32,000.00
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Water Resources Commissioner
PROJECT WORK IN PROGRESS
OMID NI-EA CONSTRUCTION
100000003308
 (as of October 31, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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Project 100000003308 - OMID NI-EA CONSTRUCTION			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$28,395,600.00	\$180,069.95	\$9,059,139.82	\$19,336,460.18
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$1,722,916.00	
697551-Issuance of Bonds	\$0.00	\$21,965,099.65	
TOTAL REVENUE	\$0.00	\$23,688,015.65	
REVENUE OVER/(UNDER) EXPENSES		\$14,628,875.83	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS MECH-ELEC CONSTRUCTION

100000003309

(as of October 31, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730940 - Insurance		0.00	44,200.00	
Administration TOTALS				
620,000.00		0.00	44,200.00	\$575,800.00
CONT - Contingency				
Contingency TOTALS				
4,917,000.00		0.00	0.00	\$4,917,000.00
ENG - Engineering				
771638 - Drain Equip Labor		4,169.39	95,879.77	
771639 - Drain Equipment		160.07	3,623.41	
Engineering TOTALS				
446,000.00		4,329.46	99,503.18	\$346,496.82
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		0.00	1,003,987.71	
731444 - Prof Svc-Consultant		0.00	96,073.38	
731458 - Professional Services		0.00	92,048.13	
Engineering Consultant TOTALS				
3,987,000.00		0.00	1,192,109.22	\$2,794,890.78
FAC - Facility Acquisition				
731472 - Project Construction and Impr		0.00	15,293,892.34	
Facility Acquisition TOTALS				
40,857,000.00		0.00	15,293,892.34	\$25,563,107.66
INS - Inspection				
731458 - Professional Services		0.00	399.00	
771638 - Drain Equip Labor		11,659.75	174,186.23	
771639 - Drain Equipment		1,344.59	21,111.09	
Inspection TOTALS				
285,000.00		13,004.34	195,696.32	\$89,303.68
LEGAL - Legal and Financial				
730940 - Insurance		0.00	179,800.00	
Legal and Financial TOTALS				
2,417,000.00		0.00	179,800.00	\$2,237,200.00
ROW - Right of Way				
Right of Way TOTALS				
393,000.00		0.00	0.00	\$393,000.00
STD - Standard Operation				
730940 - Insurance		0.00	103,105.00	
Standard Operation TOTALS				
130,000.00		0.00	103,105.00	\$26,895.00
SUR - Survey Crew				
Survey Crew TOTALS				
34,000.00		0.00	0.00	\$34,000.00

Water Resources Commissioner**PROJECT WORK IN PROGRESS****NESPS MECH-ELEC CONSTRUCTION****100000003309**

(as of October 31, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 100000003309 - NESPS MECH-ELEC CONSTRUCTION			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$54,086,000.00	\$17,333.80	\$17,108,306.06	\$36,977,693.94
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$3,281,938.00	
697551-Issuance of Bonds	\$0.00	\$41,837,622.01	
TOTAL REVENUE	\$0.00	\$45,119,560.01	
REVENUE OVER/(UNDER) EXPENSES		\$28,110,253.95	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID Segment 5

100000003252

(as of October 31, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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ADM - Administration

730177 - Bond Issuing Cost	0.00	242,201.57	
Administration TOTALS	0.00	242,201.57	(\$242,201.57)

LEGAL - Legal and Financial

730177 - Bond Issuing Cost	0.00	514,935.00	
Legal and Financial TOTALS	0.00	514,935.00	(\$514,935.00)

Project 100000003252 - OMID Segment 5			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$0.00	\$0.00	\$757,136.57	(\$757,136.57)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$0.00	
655077-Accrued Interest Adjustments	(\$37,856.35)	(\$189,937.81)	
655385-Income from Investments	\$35,066.91	\$717,373.73	
655462-Increase Market Value Invest	\$0.00	(\$401,669.67)	
697219-Premiums on Bonds Sold	\$0.00	\$7,672,724.75	
697551-Issuance of Bonds	\$0.00	(\$6,587,721.66)	
TOTAL REVENUE	(\$2,789.44)	\$1,210,769.35	
REVENUE OVER/(UNDER) EXPENSES		\$453,623.78	

Oakland County - Water Resources Commissioner's Office
Fund Equity: Schedule of Reserves and Dedicated Funds
As of Date: October 31, 2021

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	2,998,134.44	1,541,666.67	2,482,659.70	14,829,709.84		21,852,170.65
84915	OMIDD Seg 4						
	- Project 1-1913 Interceptor Seg 4					56,396.37	
	- Project 1-2232 NESPS Gatehouse					-	
	- Project 1-2708 NESPS Odor Corrosion Study					-	56,396.37
84917	OMIDD Seg 5						
	- No Project					114,536.15	
	- Project 1-3252 Interceptor Seg 5					453,623.78	
	- Project 1-3308 NI - EA Construction					14,628,875.83	
	- Project 1-3309 NESPS Construction					28,110,253.95	43,307,289.71
Total Equity in Maintenance and Construction Funds							<u>65,215,856.73</u>

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

Run by: 32808
Run: 11/09/2021 at 03:47 PM
Scope: 82912 Oakland Macomb InterceptorCh21
Fiscal Period: Month 1 2022

Oakland County - Water Resources Commissioner's Office
Statement of Net Assets
As of Date: Oct 31, 2021
Fund: 82912 Oakland Macomb InterceptorCh21

	MAJOR MAINTENANCE RESERVE	EMERGENCY MAINTENANCE RESERVE	CAPITAL IMPROVEMENT RESERVE	UNDESIGNATED RETAINED EARNINGS	TOTAL
Total Net Assets Beginning	2,848,992.42	1,500,000.00	2,413,875.04	7,639,026.97	14,401,894.43
Increases	95,833.33	41,666.67	66,866.66	6,073,748.22	6,278,114.88
Decreases	(53,308.69)	0.00	(1,918.00)	(1,116,934.65)	(1,172,161.34)
Adjustments	0.00	0.00	0.00	0.00	0.00
Total Net Assets Ending	2,998,134.44	1,541,666.67	2,482,659.70	14,829,709.84	21,852,170.65
Net Assets Invested in Capital as of 10/31/2021				0.00	0.00
Current year adjustments				0.00	0.00
ESTIMATED Undesignated Retained Earnings				14,829,709.84	21,852,170.65

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

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMI DD Meeting Date 11/17/2021

		84915	84915	84917	84917	82912	
		1-2232	1-2708	1-3308	1-3309		
<u>Payable To</u>	<u>Invoice #</u>	<u>Segment 4 - NIEA East Arm</u>	<u>Segment 4 - NESPS Odor Corrosion Study</u>	<u>Segment 5 NIEA Construction</u>	<u>Segment 5 NESPS Mech / Electric Construction</u>	<u>Operations & Maintenance</u>	<u>Total</u>
Oakland County *	WRC Labor/Fringes/Non-direct Labor			4,189.74	18,671.70		\$22,861.44
Oakland County *	WRC Equipment			145.97	1,833.43		\$1,979.40
Applied Science, Inc	Invoice # 33 (ASI Inv. #7988) Services 10/03/21 to 10/30/21				70,894.03		\$70,894.03
Clark Hill PLC	Invoice # 1140188 Matter 429385 Services Through 09/30/2021			1,504.50			\$1,504.50
Clark Hill PLC	Invoice # 1140214 Matter 316432 Services Through 09/30/2021			3,564.00			\$3,564.00
Dickinson Wright PLLC	Invoice # 1602750 Matter 012840-00436 Service through 06/30/2021					150.00	\$150.00
Dickinson Wright PLLC	Invoice # 1624182 Matter 012840-00436 Service through 09/30/21					712.50	\$712.50
Dickinson Wright PLLC	Invoice # 1624185 Matter 012840-00441 Service through 09/30/21					150.00	\$150.00
Great Lakes Water Authority (GLWA)	Invoice # 900-2101-W Drone Use Cost Sharing 10/05/2021				133.00		\$133.00
METCO	Invoice # 1811-34 Through 10/31/21					70,591.40	\$70,591.40
NTH Consultants	Inv # 05 For 2021 OMIDD System Inspection Service Through 10/22/21					853.50	\$853.50
NTH Consultants	Inv # 11 NI-EA Construction Engineering Service Through 10/22/21			75,160.36			\$75,160.36
NTH Consultants	Inv # 13 NESPS Pumping and Electrical Upgrades Service Through 10/22/21				1,863.77		\$1,863.77
NTH Consultants	Inv # 15 OMIDD NESPS Safety Manual & Crane Support Service Through 10/22/21					1,940.11	\$1,940.11
NTH Consultants	Inv # 29 - OMIDD NI-EA Rehab Services Through 10/22/21			31,861.13			\$31,861.13
NTH Consultants	Inv # 33 - OMIDD System Immediate Repair Service Through 10/22/21					933.59	\$933.59
NTH Consultants	Inv # 58 - OMIDD NESPS Discharge Chamber Service Through 10/22/21	2,774.21					\$2,774.21
Rotor Electric Company	Invoice # 12446 Switchgear Maintenance and Testing 10/11/2021					77,910.00	\$77,910.00
Rotor Electric Company	Invoice # 12456 Switchgear Maintenance and Testing 10/25/2021					59,850.00	\$59,850.00
Total Invoices/Reimbursements for Approval		\$2,774.21	\$0.00	\$116,425.70	\$93,395.93	\$213,091.10	\$425,686.94
	* Less WRC Charges already paid from OMI Fund	0.00	0.00	(4,335.71)	(20,505.13)	0.00	(24,840.84)
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board		\$2,774.21	\$0.00	\$112,089.99	\$72,890.80	\$213,091.10	\$400,846.10

Agenda Item No. 9

Invoices

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/25/2021 - 10/22/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984657	10/12/2021	09/27/2021	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	100000003308	ENG
984657	10/12/2021	09/29/2021	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	100000003308	ENG
984657	10/12/2021	10/01/2021	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000003308	ENG
984657	10/12/2021	10/04/2021	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000003308	ENG
984657	10/12/2021	10/05/2021	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG
984657	10/12/2021	10/06/2021	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	100000003308	ENG
984657	10/12/2021	10/08/2021	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG
			BROWN, JOEL Total		\$1,709.27				
984662	10/08/2021	09/27/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	10/08/2021	09/29/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	10/08/2021	10/01/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	10/08/2021	10/04/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	10/08/2021	10/06/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	10/08/2021	10/08/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	10/20/2021	10/12/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	10/20/2021	10/14/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	10/20/2021	10/19/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
			CRANDALL, BRIAN Total		\$610.56				
984657	10/07/2021	09/27/2021	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG
984657	10/07/2021	10/08/2021	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG
			LOCKHART, SIDNEY Total		\$275.52				
984662	09/27/2021	09/24/2021	PARROTT, JEFFREY	0.50	\$46.76	OVERTIME	WRCROW	100000003308	ROW
984662	10/06/2021	09/27/2021	PARROTT, JEFFREY	2.00	\$164.92	REGULAR	WRCROW	100000003308	ROW
984662	10/06/2021	09/29/2021	PARROTT, JEFFREY	2.00	\$164.92	REGULAR	WRCROW	100000003308	ROW
984662	10/06/2021	10/01/2021	PARROTT, JEFFREY	2.50	\$206.15	REGULAR	WRCROW	100000003308	ROW
984662	10/06/2021	10/04/2021	PARROTT, JEFFREY	1.50	\$123.69	REGULAR	WRCROW	100000003308	ROW
984662	10/06/2021	10/07/2021	PARROTT, JEFFREY	2.50	\$206.15	REGULAR	WRCROW	100000003308	ROW
984662	10/08/2021	10/07/2021	PARROTT, JEFFREY	1.00	\$93.52	OVERTIME	WRCROW	100000003308	ROW
984662	10/22/2021	10/11/2021	PARROTT, JEFFREY	4.00	\$329.84	REGULAR	WRCROW	100000003308	ROW
984662	10/22/2021	10/12/2021	PARROTT, JEFFREY	2.00	\$164.92	REGULAR	WRCROW	100000003308	ROW
984662	10/22/2021	10/11/2021	PARROTT, JEFFREY	1.00	\$93.52	OVERTIME	WRCROW	100000003308	ROW
			PARROTT, JEFFREY Total		\$1,594.39				
			Grand Total		\$4,189.74				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/25/2021 - 10/22/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984657	10/12/2021	09/27/2021	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/12/2021	09/27/2021	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/12/2021	09/27/2021	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/12/2021	09/29/2021	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/12/2021	09/29/2021	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/12/2021	09/29/2021	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/12/2021	10/01/2021	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/12/2021	10/01/2021	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/12/2021	10/01/2021	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/12/2021	10/04/2021	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/12/2021	10/04/2021	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/12/2021	10/04/2021	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/12/2021	10/05/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/12/2021	10/05/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/12/2021	10/05/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/12/2021	10/06/2021	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/12/2021	10/06/2021	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/12/2021	10/06/2021	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/12/2021	10/08/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/12/2021	10/08/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/12/2021	10/08/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
			BROWN, JOEL Total		\$44.87				
984662	10/08/2021	09/27/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/08/2021	09/27/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/08/2021	09/27/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/08/2021	09/29/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/08/2021	09/29/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/08/2021	09/29/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/08/2021	10/01/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/08/2021	10/01/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/08/2021	10/01/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/08/2021	10/04/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/08/2021	10/04/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/08/2021	10/04/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/08/2021	10/06/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/08/2021	10/06/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/08/2021	10/06/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/08/2021	10/08/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/08/2021	10/08/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/08/2021	10/08/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/20/2021	10/12/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/20/2021	10/12/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/20/2021	10/12/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/20/2021	10/14/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/20/2021	10/14/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/20/2021	10/14/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/20/2021	10/19/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/20/2021	10/19/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/20/2021	10/19/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
			CRANDALL, BRIAN Total		\$26.91				
984657	10/07/2021	09/27/2021	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/07/2021	09/27/2021	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/07/2021	09/27/2021	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/07/2021	09/27/2021	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	10/07/2021	10/08/2021	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/07/2021	10/08/2021	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/07/2021	10/08/2021	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/07/2021	10/08/2021	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
			LOCKHART, SIDNEY Total		\$17.36				
984662	09/27/2021	09/24/2021	PARROTT, JEFFREY	0.50	\$0.13	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	09/27/2021	09/24/2021	PARROTT, JEFFREY	0.50	\$1.17	ASSIGNED	PC/Computer	100000003308	ROW
984662	09/27/2021	09/24/2021	PARROTT, JEFFREY	0.50	\$0.20	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/06/2021	09/27/2021	PARROTT, JEFFREY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/06/2021	09/27/2021	PARROTT, JEFFREY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/06/2021	09/27/2021	PARROTT, JEFFREY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/06/2021	09/29/2021	PARROTT, JEFFREY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/06/2021	09/29/2021	PARROTT, JEFFREY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/06/2021	09/29/2021	PARROTT, JEFFREY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/06/2021	10/01/2021	PARROTT, JEFFREY	2.50	\$5.85	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/06/2021	10/01/2021	PARROTT, JEFFREY	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003308	ROW

984662	10/06/2021	10/01/2021	PARROTT, JEFFREY	2.50	\$1.00	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/06/2021	10/04/2021	PARROTT, JEFFREY	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/06/2021	10/04/2021	PARROTT, JEFFREY	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/06/2021	10/04/2021	PARROTT, JEFFREY	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/08/2021	10/07/2021	PARROTT, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/08/2021	10/07/2021	PARROTT, JEFFREY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/08/2021	10/07/2021	PARROTT, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/06/2021	10/07/2021	PARROTT, JEFFREY	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/06/2021	10/07/2021	PARROTT, JEFFREY	2.50	\$1.00	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/06/2021	10/07/2021	PARROTT, JEFFREY	2.50	\$5.85	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/22/2021	10/11/2021	PARROTT, JEFFREY	4.00	\$1.00	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/22/2021	10/11/2021	PARROTT, JEFFREY	4.00	\$1.60	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/22/2021	10/11/2021	PARROTT, JEFFREY	4.00	\$9.36	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/22/2021	10/11/2021	PARROTT, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/22/2021	10/11/2021	PARROTT, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	10/22/2021	10/11/2021	PARROTT, JEFFREY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/22/2021	10/12/2021	PARROTT, JEFFREY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	10/22/2021	10/12/2021	PARROTT, JEFFREY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ROW
984662	10/22/2021	10/12/2021	PARROTT, JEFFREY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ROW
			PARROTT, JEFFREY Total		\$56.83				
			Grand Total		\$145.97				

Acctg Date	Fund	Fund Description	Project	Project Description	Activity	Oper Unit	OU Descr	Descr	Sum BU Amount
									\$ -

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/25/2021 - 10/22/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	10/12/21	09/27/21	BROWN, JOEL	2.5	284.88	REGULAR	WRCCON	100000003309	ENG
984656	10/12/21	09/29/21	BROWN, JOEL	2.5	284.88	REGULAR	WRCCON	100000003309	ENG
984656	10/12/21	09/30/21	BROWN, JOEL	2	227.90	REGULAR	WRCCON	100000003309	ENG
984656	10/12/21	10/01/21	BROWN, JOEL	6	683.70	REGULAR	WRCCON	100000003309	ENG
984656	10/12/21	10/04/21	BROWN, JOEL	2.5	284.88	REGULAR	WRCCON	100000003309	ENG
984656	10/12/21	10/06/21	BROWN, JOEL	3	341.85	REGULAR	WRCCON	100000003309	ENG
984656	10/12/21	10/07/21	BROWN, JOEL	4	455.80	REGULAR	WRCCON	100000003309	ENG
984656	10/12/21	10/08/21	BROWN, JOEL	2	227.90	REGULAR	WRCCON	100000003309	ENG
			BROWN, JOEL Total		2,791.79				
1050210	09/30/21	09/30/21	CARLEY, JOSEPH	1	78.52	REGULAR	WRCCDM	100000003309	INS
1050210	10/05/21	10/04/21	CARLEY, JOSEPH	1	78.52	REGULAR	WRCCDM	100000003309	INS
			CARLEY, JOSEPH Total		157.04				
984656	10/07/21	10/05/21	LOCKHART, SIDNEY	3	413.28	REGULAR	WRCADM	100000003309	ENG
984656	10/07/21	10/06/21	LOCKHART, SIDNEY	2	275.52	REGULAR	WRCADM	100000003309	ENG
984656	10/07/21	10/07/21	LOCKHART, SIDNEY	2	275.52	REGULAR	WRCADM	100000003309	ENG
984656	10/07/21	10/08/21	LOCKHART, SIDNEY	3	413.28	REGULAR	WRCADM	100000003309	ENG
			LOCKHART, SIDNEY Total		1,377.60				
1050210	09/27/21	09/27/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	09/27/21	09/27/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	09/28/21	09/28/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	09/28/21	09/28/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	09/29/21	09/29/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	09/29/21	09/29/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	09/30/21	09/30/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	09/30/21	09/30/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/01/21	10/01/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/01/21	10/01/21	ROBERTS, PATRICK	7.5	605.85	OVERTIME	WRCCDM	100000003309	INS
1050210	10/04/21	10/04/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/04/21	10/04/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/05/21	10/05/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/05/21	10/05/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/06/21	10/06/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/06/21	10/06/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/07/21	10/07/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/07/21	10/07/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/08/21	10/08/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/08/21	10/08/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/11/21	10/11/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/11/21	10/11/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/12/21	10/12/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/12/21	10/12/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/13/21	10/13/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/13/21	10/13/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/14/21	10/14/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/14/21	10/14/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/15/21	10/15/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/15/21	10/15/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/18/21	10/18/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/18/21	10/18/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/19/21	10/19/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/19/21	10/19/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/20/21	10/20/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/20/21	10/20/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/21/21	10/21/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/21/21	10/21/21	ROBERTS, PATRICK	1	80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/22/21	10/22/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/22/21	10/22/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
			ROBERTS, PATRICK Total		14,345.27				
			Grand Total		18,671.70				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 09/25/2021 - 10/22/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	10/12/21	09/27/21	BROWN, JOEL	2.5	1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/12/21	09/27/21	BROWN, JOEL	2.5	5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/12/21	09/27/21	BROWN, JOEL	2.5	0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/12/21	09/29/21	BROWN, JOEL	2.5	1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/12/21	09/29/21	BROWN, JOEL	2.5	5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/12/21	09/29/21	BROWN, JOEL	2.5	0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/12/21	09/30/21	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/12/21	09/30/21	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/12/21	09/30/21	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/12/21	10/01/21	BROWN, JOEL	6	2.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/12/21	10/01/21	BROWN, JOEL	6	14.04	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/12/21	10/01/21	BROWN, JOEL	6	1.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/12/21	10/04/21	BROWN, JOEL	2.5	1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/12/21	10/04/21	BROWN, JOEL	2.5	5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/12/21	10/04/21	BROWN, JOEL	2.5	0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/12/21	10/06/21	BROWN, JOEL	3	1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/12/21	10/06/21	BROWN, JOEL	3	7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/12/21	10/06/21	BROWN, JOEL	3	0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/12/21	10/07/21	BROWN, JOEL	4	1.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/12/21	10/07/21	BROWN, JOEL	4	9.36	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/12/21	10/07/21	BROWN, JOEL	4	1.00	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/12/21	10/08/21	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/12/21	10/08/21	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/12/21	10/08/21	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
			BROWN, JOEL Total		73.27				
1050210	09/30/21	09/30/21	CARLEY, JOSEPH	1	5.69	ASSIGNED	3/4 Ton Pick-up	100000003309	INS
1050210	09/30/21	09/30/21	CARLEY, JOSEPH	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	09/30/21	09/30/21	CARLEY, JOSEPH	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/05/21	10/04/21	CARLEY, JOSEPH	1	5.69	ASSIGNED	3/4 Ton Pick-up	100000003309	INS
1050210	10/05/21	10/04/21	CARLEY, JOSEPH	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/05/21	10/04/21	CARLEY, JOSEPH	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
			CARLEY, JOSEPH Total		16.86				
984656	10/07/21	10/05/21	LOCKHART, SIDNEY	3	17.07	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	10/07/21	10/05/21	LOCKHART, SIDNEY	3	1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/07/21	10/05/21	LOCKHART, SIDNEY	3	7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/07/21	10/05/21	LOCKHART, SIDNEY	3	0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/07/21	10/06/21	LOCKHART, SIDNEY	2	11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	10/07/21	10/06/21	LOCKHART, SIDNEY	2	0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/07/21	10/06/21	LOCKHART, SIDNEY	2	4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/07/21	10/06/21	LOCKHART, SIDNEY	2	0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/07/21	10/07/21	LOCKHART, SIDNEY	2	11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	10/07/21	10/07/21	LOCKHART, SIDNEY	2	0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/07/21	10/07/21	LOCKHART, SIDNEY	2	4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/07/21	10/07/21	LOCKHART, SIDNEY	2	0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/07/21	10/08/21	LOCKHART, SIDNEY	3	17.07	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	10/07/21	10/08/21	LOCKHART, SIDNEY	3	1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/07/21	10/08/21	LOCKHART, SIDNEY	3	7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/07/21	10/08/21	LOCKHART, SIDNEY	3	0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
			LOCKHART, SIDNEY Total		86.80				
1050210	09/27/21	09/27/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	09/27/21	09/27/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	09/27/21	09/27/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	09/27/21	09/27/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	09/27/21	09/27/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	09/27/21	09/27/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	09/28/21	09/28/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	09/28/21	09/28/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	09/28/21	09/28/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	09/28/21	09/28/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	09/28/21	09/28/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	09/28/21	09/28/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	09/29/21	09/29/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	09/29/21	09/29/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	09/29/21	09/29/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	09/29/21	09/29/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	09/29/21	09/29/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	09/29/21	09/29/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	09/30/21	09/30/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	09/30/21	09/30/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	09/30/21	09/30/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS

1050210	09/30/21	09/30/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	09/30/21	09/30/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	09/30/21	09/30/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/01/21	10/01/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/01/21	10/01/21	ROBERTS, PATRICK	7.5	42.68	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/01/21	10/01/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/01/21	10/01/21	ROBERTS, PATRICK	7.5	3.00	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/01/21	10/01/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/01/21	10/01/21	ROBERTS, PATRICK	7.5	17.55	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/04/21	10/04/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/04/21	10/04/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/04/21	10/04/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/04/21	10/04/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/04/21	10/04/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/04/21	10/04/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/05/21	10/05/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/05/21	10/05/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/05/21	10/05/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/05/21	10/05/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/05/21	10/05/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/05/21	10/05/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/06/21	10/06/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/06/21	10/06/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/06/21	10/06/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/06/21	10/06/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/06/21	10/06/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/06/21	10/06/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/07/21	10/07/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/07/21	10/07/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/07/21	10/07/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/07/21	10/07/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/07/21	10/07/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/07/21	10/07/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/08/21	10/08/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/08/21	10/08/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/08/21	10/08/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/08/21	10/08/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/08/21	10/08/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/08/21	10/08/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/11/21	10/11/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/11/21	10/11/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/11/21	10/11/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/11/21	10/11/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/11/21	10/11/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/11/21	10/11/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/12/21	10/12/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/12/21	10/12/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/12/21	10/12/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/12/21	10/12/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/12/21	10/12/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/12/21	10/12/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/13/21	10/13/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/13/21	10/13/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/13/21	10/13/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/13/21	10/13/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/13/21	10/13/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/13/21	10/13/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/14/21	10/14/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/14/21	10/14/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/14/21	10/14/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/14/21	10/14/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/14/21	10/14/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/14/21	10/14/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/15/21	10/15/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/15/21	10/15/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/15/21	10/15/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/15/21	10/15/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/15/21	10/15/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/15/21	10/15/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/18/21	10/18/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/18/21	10/18/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/18/21	10/18/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/18/21	10/18/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS

1050210	10/18/21	10/18/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/18/21	10/18/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/19/21	10/19/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/19/21	10/19/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/19/21	10/19/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/19/21	10/19/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/19/21	10/19/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/19/21	10/19/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/20/21	10/20/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/20/21	10/20/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/20/21	10/20/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/20/21	10/20/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/20/21	10/20/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/20/21	10/20/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/21/21	10/21/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/21/21	10/21/21	ROBERTS, PATRICK	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/21/21	10/21/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/21/21	10/21/21	ROBERTS, PATRICK	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/21/21	10/21/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/21/21	10/21/21	ROBERTS, PATRICK	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/22/21	10/22/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/22/21	10/22/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	10/22/21	10/22/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/22/21	10/22/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/22/21	10/22/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	10/22/21	10/22/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
			ROBERTS, PATRICK Total		1,656.50				
			Grand Total		1,833.43				

Acctg Date	Fund	Fund Description	Project	Project Description	Activity	Oper Unit	OU Descr	Descr	Sum BU Amount
									\$ -



Applied Science, Inc.

300 River Place Suite 5400 Detroit, MI 48207
Phone: (313) 567-3990 Fax: (313) 567-3750
www.asi-detroit.com

November 4, 2021

Project Invoice #33 (ASI Inv. #7988)

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 **li# 41133 v#352**
(ASI Job No. 1815)

Invoice Period: 10/3/21-10/30/21

Task No.	Task Description	Total This Invoice
1	Transition & Basis of Design	
	Total:	\$ -

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

Task No.	Task Description	Total This Invoice
3	Additional Special Services	
	Total:	\$ -
	Subconsultants:	
	FK Engineering:	\$ -
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	\$ -

Task No.	Task Description	Total This Invoice
5	Construction Services	
	Total:	\$ 16,672.00
	Subconsultants:	
	NTH Consultants	\$ 30,346.03
	Metco Services	\$ 15,970.00
	FK Engineering:	\$ 5,324.00
	ASI Markup 5%:	\$ 2,582.00
	Total Due This Invoice:	\$ 70,894.03

Total Due This Invoice:	\$ 70,894.03
Previous Amount Invoiced:	\$ 2,517,631.76
Total Invoiced To-Date	\$ 2,588,525.79
Contract Task Total:	\$ 4,198,380.00
Amount Remaining:	\$ 1,609,854.21

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

CLARK HILL

P.L.C.

A T T O R N E Y S A T L A W

151 S. Old Woodward Avenue, Suite 200
Birmingham, Michigan 48009
Telephone (248) 642-9692
Fed.ID # 38-0425840

84917 - 6010101 - 149015 - 731073 - 5113
- 1-3308 - Ch. 21 v#2788 - exp. 5/15/22-
ROW

INVOICE

Invoice # 1140188

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

October 19, 2021
Client: 30164
Matter: 429385

=====

RE: Ultima Investment Group

FOR SERVICES RENDERED through September 30, 2021

Total Services: \$1,504.50

INVOICE TOTAL \$1,504.50

09/22/21 1130577 \$663.00

Past Due Balance: \$663.00

TOTAL AMOUNT DUE \$2,167.50

=====

PAYABLE UPON RECEIPT IN U.S. DOLLARS

SL 10/19/2021

CLARK HILL

P.L.C.

A T T O R N E Y S A T L A W

151 S. Old Woodward Avenue, Suite 200

Birmingham, Michigan 48009

Telephone (248) 642-9692

Fed.ID # 38-0425840

**84917 - 6010101 - 149015 - 731073 - 5113 -
1-3308 - Ch. 21 - v#2788 - exp. 5/15/22-ROW**

INVOICE

Invoice # 1140214

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

October 19, 2021

Client: 58434

Matter: 316432

=====

RE: OMID Phase 2 Project - Acquisition of Northeast Pump
Stations

FOR SERVICES RENDERED through September 30, 2021

Total Services: \$3,564.00

INVOICE TOTAL \$3,564.00

09/22/21 1130664 \$6507.00

Past Due Balance: \$6,507.00

TOTAL AMOUNT DUE \$10,071.00

=====

SL 10/19/2021

PAYABLE UPON RECEIPT IN U.S. DOLLARS

INVOICE DATE: JULY 26, 2021
 INVOICE NO.: 1602750

 OAKLAND COUNTY WATER RESOURCES COMMISSIONER
 ATTORNEY & INSURANCE ADMINISTRATOR
 ONE PUBLIC WORKS DRIVE, #95
 WATERFORD, MI 48328

ATTN: STEVE KORTH

82912 - 6010101 - 149030 - 731073 - 5089 - Ch. 21 - v# 4978 - li# 39111 - exp. 4/30/22

CLIENT/MATTER NO.: 012840-00436

RE: PREPARE BOARD MEMORANDUM RE LOCKOUT-TAGOUT (LOTO) ISSUE

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH JUNE 30, 2021

USD

TOTAL FEES CURRENT INVOICE \$ 150.00

TOTAL CURRENT INVOICE \$ 150.00OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF JULY 26, 2021

<u>INVOICE</u>	<u>DATE</u>	<u>BILLED VALUE</u>	<u>PAYMENTS</u>	<u>OUTSTANDING</u>	
1591548	06/17/21	2,437.50	(0.00)	2,437.50	Paid July 2021

TOTAL OUTSTANDING FROM PRIOR INVOICES \$ 2,437.50

TOTAL AMOUNT DUE \$ 2,587.50

SL 10/19/2021

Remittance Instructions			
Terms: Due and Payable Upon Receipt			
Mail To:	ACH Instructions:	Wire Instructions:	
Dickinson Wright PLLC 2600 W. Big Beaver Suite 300 Troy, MI 48084	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 072 000 326 Account# 38852 (Please Reference Invoice Numbers)	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 021 000 021 Swift Code: CHASUS33 (International) Account# 38852 (Please Reference Invoice Numbers)	

INVOICE DATE: OCTOBER 7, 2021
 INVOICE NO.: 1624185

 OAKLAND COUNTY WATER RESOURCES COMMISSIONER
 ATTORNEY & INSURANCE ADMINISTRATOR
 ONE PUBLIC WORKS DRIVE, #95
 WATERFORD, MI 48328

ATTN: Sara Rubino

82912- 6010101 - 149030 - 731073 - 5089 - Ch. 21 - v# 4978 - li# 39111 - exp. 4/30/22

CLIENT/MATTER NO.: 012840-00441

Steven Korth

October 12, 2021

RE: RESPONSE TO EGLE LETTER DATED AUGUST 10, 2021

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH SEPTEMBER 30, 2021

USD

TOTAL FEES CURRENT INVOICE \$ 150.00

TOTAL CURRENT INVOICE \$ 150.00OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF OCTOBER 7, 2021

<u>INVOICE</u>	<u>DATE</u>	<u>BILLED VALUE</u>	<u>PAYMENTS</u>	<u>OUTSTANDING</u>	TBP Oct. OMID
1619825	09/17/21	5,212.50	(0.00)	5,212.50	

TOTAL OUTSTANDING FROM PRIOR INVOICES \$ 5,212.50

TOTAL AMOUNT DUE \$ 5,362.50**MK 10/12/21**

Remittance Instructions			
Terms: Due and Payable Upon Receipt			
Mail To:	ACH Instructions:		Wire Instructions:
Dickinson Wright PLLC 2600 W. Big Beaver Suite 300 Troy, MI 48084	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 072 000 326 Account# 38852 (Please Reference Invoice Numbers)		JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 021 000 021 Swift Code: CHASUS33 (International) Account# 38852 (Please Reference Invoice Numbers)

INVOICE DATE: OCTOBER 7, 2021
 INVOICE NO.: 1624182

 OAKLAND COUNTY WATER RESOURCES COMMISSIONER
 ATTORNEY & INSURANCE ADMINISTRATOR
 ONE PUBLIC WORKS DRIVE, #95
 WATERFORD, MI 48328

82912 - 6010101 - 149030 - 731073 - 5089 - Ch. 21 - v# 4978 - li# 39111 - exp. 4/30/22

ATTN: STEVE KORTH

CLIENT/MATTER NO.: 012840-00436

RE: PREPARE BOARD MEMORANDUM RE LOCKOUT-TAGOUT (LOTO) ISSUE

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH SEPTEMBER 30, 2021

USD

TOTAL FEES CURRENT INVOICE \$ 712.50

TOTAL CURRENT INVOICE \$ 712.50OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF OCTOBER 7, 2021

INVOICE	DATE	BILLED VALUE	PAYMENTS	OUTSTANDING	
1602750	07/26/21	150.00	(0.00)	150.00	TBP November OMID
1611233	08/18/21	1,837.50	(0.00)	1,837.50	
1619820	09/17/21	1,312.50	(0.00)	1,312.50	TBP October OMID

TOTAL OUTSTANDING FROM PRIOR INVOICES \$ 3,300.00

TOTAL AMOUNT DUE \$ 4,012.50

SL 10/19/2021

Remittance Instructions			
Terms: Due and Payable Upon Receipt			
Mail To:	ACH Instructions:		Wire Instructions:
Dickinson Wright PLLC 2600 W. Big Beaver Suite 300 Troy, MI 48084	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 072 000 326 Account# 38852 (Please Reference Invoice Numbers)		JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 021 000 021 Swift Code: CHASUS33 (International) Account# 38852 (Please Reference Invoice Numbers)



www.glwater.org

INVOICE

Account Name	OMID
Account Number	900-2101-W
Billing Date	10/12/2021
Due Date	11/11/2021

Billing Inquiries: (313) 964-9290

OMID
JOEL BROWN
OCWRC ASSISTANT CHIEF ENGINEER
ONE PUBLIC WORKS DR, BLDG 95 WEST
WATERFORD, MI 48328

REMIT TO:
Great Lakes Water Authority
Attn: Treasury
P.O. Box 441370
Detroit, MI 48244-1370

PREVIOUS BALANCE	\$133.00
ADJUSTMENTS AND PAYMENTS APPLIED	\$(133.00)
PREVIOUS AMOUNT DUE	\$0.00

CURRENT CHARGES

Quantity	DESCRIPTION	RATE	CHARGE
3	COST SHARING AGREEMENT - OMID DRONE USE - AIRTIME	40.00	\$120.00
1	COST SHARING AGREEMENT - OMID DRONE USE - O&M COST	13.00	\$13.00

84917 - 149015 - 731458 - 1-3309 INS

DRONE USAGE ON 10-5-2021

TOTAL CURRENT CHARGES	\$133.00
TOTAL AMOUNT DUE	\$133.00

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT

Account Name	Account Number	Due Date	Amount Due
OMID	900-2101-W	11/11/2021	\$133.00

OMID
OCWRC ASSISTANT CHIEF ENGINEER
ONE PUBLIC WORKS DR, BLDG 95 WEST
WATERFORD, MI 48328

AMOUNT REMITTED \$

REMIT TO: Great Lakes Water Authority
Attn: Treasury
P.O. Box 441370
Detroit, MI 48244-1370

24 900210123 000000013300 7



12835 Stephens Road · Warren · Michigan · 48089 · (586) 920-2620 · Fax (586) 510-4433

INVOICE NO. 1811-34

DATE: November 3, 2021

METCO PROJECT NO. 1811

INVOICE PERIOD: 10/4 thru 10/31/2021

Contract ID 0000000000000000000000005517

Vendor ID 0000020486

TO: OMIDD

Water Resources Commissioner

One Public Works Drive

Waterford, MI 48328

Attn: Mr. Sid Lockhart, PE

Deputy Chief Engineer/Special Projects Manager

TITLE: OMID & NESPS Operation and Maintenance

Operational Plan

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	22.0	\$ 145.00	\$ 3,190.00
Terry Moore	Operations Manager (Overtime)	11.0	\$ 195.00	\$ 2,145.00
Darrin Green	Staff Engineer	39.0	\$ 90.00	\$ 3,510.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Anthony Vozza	Staff Engineer	7.0	\$ 90.00	\$ 630.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal OMID Operatons:				\$ 9,475.00

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	22.0	\$ 145.00	\$ 3,190.00
Terry Moore	Operations Manager (Overtime)	15.0	\$ 195.00	\$ 2,925.00
Darrin Green	Staff Engineer	22.0	\$ 90.00	\$ 1,980.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Anthony Vozza	Staff Engineer	39.0	\$ 90.00	\$ 3,510.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Rosana Santos	Administrative Assoc.	4.0	\$ 73.79	\$ 295.16
Subtotal NEPS Operations				\$ 13,620.16
Subtotal Operations				\$ 23,095.16

Maintenance & Asset Management

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

Name	Title	Hrs.	Rate/Hr.	Amount
Terry Moore	Operations Manager	22.0	\$ 145.00	\$ 3,190.00
Terry Moore	Operations Manager (Overtime)	10.0	\$ 195.00	\$ 1,950.00
Anthony Vozza	Staff Engineer	39.5	\$ 90.00	\$ 3,555.00
Darrin Green	Staff Engineer	25.0	\$ 90.00	\$ 2,250.00
Subtotal OMID Maintenance:				\$ 10,945.00

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	22.0	\$ 145.00	\$ 3,190.00
Terry Moore	Operations Manager (Overtime)	10.0	\$ 195.00	\$ 1,950.00
Daniel Martel	Sr. Project Coordinator	0.0	\$ 145.00	\$ -
Sean Grant	Sr. Project Engineer	0.0	\$ 145.00	\$ -
Travis Ford	Sr. Project Engineer	0.0	\$ 145.00	\$ -

Shailesh Patel	Sr. Project Engineer	0.0	\$	145.00	\$	-
Darrin Green	Staff Engineer	47.0	\$	90.00	\$	4,230.00
Darrin Green	Staff Engineer-(Overtime)	1.0	\$	135.00	\$	135.00
Anthony Vozza	Staff Engineer	48.5	\$	90.00	\$	4,365.00
Anthony Vozza	Staff Engineer-(Overtime)	6.0	\$	135.00	\$	810.00
Christian Hatchett	Staff Engineer	0.0	\$	45.00	\$	-
Sweta Soni	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal:						\$ 16,400.00
Maintenance Services (see attached invoices):						\$ 2,031.24
Subtotal NEPS Maintenance:						\$ 18,431.24
Subtotal Maintenance:						\$ 29,376.24

Task 6.0 NEXGEN Asset Management Implementation Services – #1-2842 Fund 82912, Program 149662, Account 731444 ENGCON

<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	30.0	\$	145.00	\$	4,350.00
Darrin Green	Staff Engineer	1.0	\$	90.00	\$	90.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Anthony Vozza	Staff Engineer	0.0	\$	90.00	\$	-
Abhishek Shah	Staff Engineer	152.0	\$	90.00	\$	13,680.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal 6.0:						\$ 18,120.00

Task 12.0 - As-Needed Services

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

TOTAL AMOUNT DUE THIS INVOICE: \$ 70,591.40



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

82912 - 6010101 - 149662 - 731458- 2608 - Ch. 21 - v#238 - li#24138 - exp. 12/31/21

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

Invoice # : 5
Project : 61210124
Invoice Group : **
Invoice Date : 11/3/2021

Attention Sid Lockhart

For Professional Services Rendered from 9/25/2021 - 10/22/2021

Consulting Services Regarding 2021 OMID System Inspection

Task 01	Inspection and Reporting	\$526,974.00
	Preliminary Budget Amount	\$526,974.00
	Percent Complete:	44.15%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 264.60	\$ 11,574.59
Overhead %	188.00	497.45	21,760.23
Total Regular Labor Expense		762.05	33,334.82
Total Direct Labor		762.05	762.05
Profit / Fixed Fee %	12.00	91.45	4,000.17
Direct Expenses Charge		0.00	771.41
Expense Multiplier %	5.00	0.00	38.59
Direct Subcontractor Charge		0.00	183,528.43
Subcontractor/Subconsultant Multiplier %	6.00	0.00	11,011.71
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		0.00	195,350.14
Total Costs:		853.50	232,685.13
Total Due This Invoice		\$ 853.50	\$ 232,685.13

Remit to: 41780 6 Mile Rd, Suite 200 | Northville, MI 48168-3459 | US
Phone: 248-553-6300



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

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

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

Invoice # : 11
Project : 61-200186
Invoice Group : **
Invoice Date : 11/3/2021

Attention: Sid Lockhart

For Professional Services Rendered from 9/25/2021 - 10/22/2021

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

Task 01	NI-EA OMID Contract No. 1 CCA	\$2,265,847.00
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	\$2,483,315.00
	Percent Complete:	32.11%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	11,967.48	\$ 134,456.07
Overhead %	188.00	22,498.86	252,777.43
Total Regular Labor Expense		34,466.34	387,233.50
Total Direct Labor		34,466.34	387,233.50
Profit / Fixed Fee %	12.00	4,135.96	46,468.03
Direct Expenses Charge		304.91	3,538.40
Expense Multiplier %	5.00	15.25	176.92
Direct Subcontractor Charge		34,186.70	339,609.09
Subcontractor/Subconsultant Multiplier %	6.00	2,051.20	20,376.59
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		36,558.06	363,701.00
Total Costs:		75,160.36	797,402.52
Total Due This Invoice		\$ 75,160.36	\$ 797,402.53

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

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

Invoice # : 13
Project : 61-200280
Invoice Group : CMT
Invoice Date : 11/3/2021

Attention Sid Lockhart

For Professional Services Rendered from 9/25/2021 - 10/22/2021

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

Task 01	CMT Services	\$130,138.00
Task 02	Tnemec Coating Observation	\$0.00
	Preliminary Budget Amount	\$130,138.00
	Percent Complete:	74.87%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	465.08	\$ 25,716.22
Overhead %	188.00	874.35	48,346.49
Total Regular Labor Expense		1,339.43	74,062.71
Total Direct Labor		1,339.43	74,062.71
Profit / Fixed Fee %	12.00	160.73	8,887.53
Direct Expenses Charge		336.20	13,783.53
Expense Multiplier %	5.00	16.81	689.18
Direct Subcontractor Charge		10.00	10.00
Subcontractor/Subconsultant Multiplier %	6.00	0.60	0.60
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		363.61	14,483.31
Total Costs:		1,863.77	97,433.55
Total Due This Invoice		\$ 1,863.77	\$ 97,433.55

82912 - 6010101 - 149662 - 731906 - 2603 - 1-2842 - ch 21 - std - v#4716 - li#24138 - exp. 12/31/21

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

Invoice # : 15
Project : 61-200209
Invoice Group : HSM/CSE
Invoice Date : 11/3/2021

Attention: Sid Lockhart

For Professional Services Rendered from 9/25/2021 - 10/22/2021

Provide Engineering and Consulting Services for the OMID NESPS Safety Manual and Crane Support Evaluation. (D419)

Task 01	Health and Safety Manual	\$33,428.00
Task 02	Crane Support Evaluation	\$14,359.00
	Preliminary Budget Amount	<u>\$47,787.00</u>
	Percent Complete:	99.99%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 579.43	\$ 12,732.52
Overhead %	188.00 1,089.33	23,937.15
Total Regular Labor Expense	1,668.76	36,669.67
Total Direct Labor	1,668.76	36,669.67
Profit / Fixed Fee %	12.00 200.25	4,400.35
Direct Expenses Charge	64.86	3,259.72
Expense Multiplier %	5.00 3.24	162.99
Direct Subcontractor Charge	2.83	3,102.83
Subcontractor/Subconsultant Multiplier %	6.00 0.17	186.17
Direct Unit Rate Charge	0.00	0.00
Total Other Direct Charges Reimbursables	71.10	6,711.71
Total Costs:	1,940.11	47,781.73
Total Due This Invoice	\$ 1,940.11	\$ 47,781.73

**NTH Consultants, Ltd.**Infrastructure Engineering
and Environmental Services**84917 - 6010101 - 149015 - 730639 - 2603 - 1-3308 - Ch.21 v#4716 - li#24138 - exp. 12/31/21**OMI Drain Drainage District
One Public Works Drive
Building 95 West
Waterford, MI 48328Invoice # : 29
Project : 61-190078
Invoice Group : NI-EA
Invoice Date : 11/3/2021

Attention: Sid Lockhart

For Professional Services Rendered from

9/25/2021 - 10/22/2021

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

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

Preliminary Budget Amount	\$2,273,833.00
Percent Complete:	87.45%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 6,449.88	\$ 283,101.66
Overhead %	188.00 12,125.77	532,231.14
Total Regular Labor Expense	18,575.65	815,332.80
Total Direct Labor	18,575.65	815,315.35
Profit / Fixed Fee %	12.00 2,229.08	97,839.92
Direct Expenses Charge	116.80	27,306.92
Expense Multiplier %	5.00 5.84	1,365.39
Direct Subcontractor Charge	10,314.87	987,479.84
Subcontractor/Subconsultant Multiplier %	6.00 618.89	59,248.95
Direct Unit Rate Charge	0	0
Total Other Direct Charges Reimbursables	11,056.40	1,075,401.10
Total Costs:	31,861.13	1,988,573.82
Total Due This Invoice	\$ 31,861.13	\$ 1,988,573.82



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

82912 - 6010101 - 149662 - 730639 - 2603 - 1-3015 - ch 21 - engcon v#4716 - li#24138 - exp. 12/31/21

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

Invoice # : 33
Project : 61-190044
Invoice Group : REPAIRS
Invoice Date : 11/3/2021

Attention: Sid Lockhart

For Professional Services Rendered from 09/25/2021 - 10/22/2021

OMID System Immediate Repairs

AMP/Inspection Reports (Task 01)	\$4,587.37
Rehabilitation Design (Task 02)	\$71,617.66
Construction Observation (Task 03)	\$178,109.97
	<u>\$254,315.00</u>

Analysis of Costs		This Invoice	Cumulative
Direct Salaries (Task 01 & 02)		\$ 289.43	\$ 56,963.83
Overhead %	188.00	544.13	107,091.99
Total Regular Labor Expense		833.56	164,055.82
Total Direct Labor		833.56	164,055.82
Profit / Fixed Fee %	12.00	100.03	19,686.69
Direct Expenses Charge		0.00	3,659.78
Expense Multiplier %	5.00	0.00	233.01
Direct Subcontractor Charge		0.00	40,248.30
Subcontractor/Subconsultant Multiplier %	5.00	0.00	2,012.46
Total Other Direct Charges Reimbursables		0.00	46,153.55
Total Costs:		933.59	229,896.06
Total Due This Invoice		\$ 933.59	\$ 229,896.06

**NTH Consultants, Ltd.**Infrastructure Engineering
and Environmental Services**84915 - 149015 - 730639 - 2603 - 1-2232 Ch 21 - eng con v#4716 exp. 12/31/21 li#24138**OMI Drain Drainage District
One Public Works Drive
Building 95 West
Waterford, MI 48328Invoice # : 58
Project : 61-210313
Invoice Group : **
Invoice Date : 11/3/2021

Attention: Sid Lockhart

For Professional Services Rendered from 9/25/2021 - 10/22/2021

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:		14.96%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 860.06	\$ 1,708.26
Overhead %	188.00	1,616.91	3,211.53
Total Regular Labor Expense		2,476.97	4,919.79
Total Direct Labor		2,476.97	4,919.79
Profit / Fixed Fee %	12.00	297.24	590.38
Direct Expenses Charge		0.00	0.00
Expense Multiplier %	5.00	0.00	0.00
Direct Subcontractor Charge		0.00	4,448.11
Subcontractor/Subconsultant Multiplier %	5.00	0.00	222.40
Total Other Direct Charges Reimbursables		0.00	4,670.51
Total Costs:		2,774.21	10,180.68
Total Due This Invoice		\$ 2,774.21	\$ 10,180.68



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 Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	10/11/2021	10/15/2021	12446

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	\$77,910.00	-	\$77,910.00	\$77,910.00	-	-
Totals:		\$77,910.00		\$77,910.00	\$77,910.00		
Less Retained:				-			
Invoice Total:				\$77,910.00			

PUMP P5 MOTOR REPAIRS

SECOND PROGRESSIVE PAYMENT

82912 - 6010101 - 149090 - 730660 - 5807 - Ch. 21 - v#22125 - li#42614 - exp. 6/28/22

****PAY OUT OF DRF****

JTB 10/18/21

complete electrical construction

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	10/25/2021	10/29/2021	12456

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	\$59,850.00	-	\$59,850.00	\$59,850.00	-	-
Totals:		\$59,850.00		\$59,850.00	\$59,850.00		
Less Retained:				-			
Invoice Total:				\$59,850.00			

PUMP P5 MOTOR REPAIRS

FINAL PROGRESSIVE PAYMENT

82912 - 6010101 - 149090 - 730660 - 5807 - Ch. 21 - v#22125 - li#42614 - exp. 6/28/22

complete electrical construction

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

Agenda Item No. 10

Proposed 2022 Meeting Dates



Oakland-Macomb Interceptor Drain 2022 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/or virtually as provided by law due to the ongoing COVID-19 pandemic:

January 19, 2022
February 16, 2022
March 16, 2022

April 20, 2022
May 18, 2022
June 15, 2022

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/or virtually as provided by law due to the ongoing COVID-19 pandemic:

July 20, 2022
August 17, 2022
September 21, 2022

October 19, 2022
November 9, 2022
December 14, 2022



Agenda Item No. 11

Other Business

Agenda Item No. 12

Adjourn