

## AGENDA

### Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

March 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 March 17, 2021
3. Motion to approve the Drainage District Board Meeting Minutes from February 17, 2021
4. Public Comment
5. Present Memorandum regarding Flow Control “Lock Out – Tag Out”
6. Present Memorandum requesting the Board approve the Budget and Flow Allocations for Rate Year 2021/2022
7. Motion to approve the following Engineering Work Order:
  - a) NTH for CCTV inspection of the Drainage District system
8. Motion to approve the following Construction Estimates:
  - a) Construction Estimate No. 5 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$525,977.49 with a transfer to reserves with the Oakland County Treasurer in the amount of \$58,441.95
  - b) Construction Estimate No. 3 for Walsh Construction for CS-9 Gate Installation in the amount of \$7,136.25 with a transfer to the Oakland County Treasurer in the amount of \$792.91
  - c) Construction Estimate No. 2 for Doetsch for OMID Localized Rehabilitation and Spot Repairs in the amount of \$422,808.38 with a transfer to the Oakland County Treasurer in the amount of \$46,862.32
9. Report/Update – Status of OMID Repairs Project
10. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
11. Motion to approve the following invoices:
  - a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs
    - 1) Labor/Fringes/Non-Direct Labor Factor

• Segment 4	\$	7,476.04
• Segment 4 NESPS Gatehouse	\$	349.74
• Segment 4 NESPS Odor Corrosion Study	\$	740.69
• Segment 5 NI-EA Construction	\$	3,916.39
• Segment 5 NESPS Mech./Elect. Construction	\$	21,363.44

2)	Equipment Charges		
	• Segment 4		\$ 421.96
	• Segment 4 NESPS Gatehouse		\$ 13.46
	• Segment 4 NESPS Odor Corrosion Study		\$ 19.45
	• Segment 5 NI-EA Construction		\$ 194.20
	• Segment 5 NESPS Mech./Elect. Construction		\$ 2,208.73
3)	Milage		
	• Segment 4		\$ 530.88
b)	Applied Science, Inc.		
	Invoice No. 7801 (25)	NESPS M&E	\$ 76,685.00
c)	Bioair		
	Invoice No. I-21036	Seg. 4	\$ 10,140.50
d)	Clark Hill		
	1) Invoice No. 1065223	O&M	\$ 432.00
	2) Invoice No. 1067284	O&M	\$ 108.00
e)	CSM		
	1) Invoice No. 21OMIDD-001	O&M	\$ 771.68
	2) Invoice No. 21OMIDD-005	O&M	\$ 1,706.06
f)	Dickinson Wright		
	1) Invoice No. 1537008	O&M	\$ 1,085.00
	2) Invoice No. 1555154	O&M	\$ 1,300.56
	3) Invoice No. 1555164	O&M	\$ 1,237.50
g)	EJ USA		
	Invoice No. 110210010206	O&M	\$ 2,260.95
h)	Konecranes		
	Invoice No. 154410510	O&M	\$ 953.75
i)	McNaughton-McKay Electric Company		
	Invoice No. 21213894	O&M	\$ 1,069.68
j)	METCO		
	Invoice No. 1811-26	O&M	\$ 118,281.28
k)	NTH Consultants, Ltd		
	1) Contract No. 1		
	Invoice No. 3	NI-EA	\$ 38,107.60
	2) Eng./Consult. Services NESPS CMT		
	Invoice No. 5	O&M	\$ 8,447.22
	3) Safety Manual & Crane Support		
	Invoice No. 8	O&M	\$ 2,076.07
	4) NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4		
	Invoice No. 21	NI-EA	\$ 50,666.59
	5) Repairs – OMID System Immediate Repairs		
	Invoice No. 25	OIR	\$ 27,964.63
l)	PMA Consultants		
	Invoice No. 3559.01-9	NESPS	\$ 7,984.65

12. Present Resolution regarding Electronic and Telephonic Meetings Procedures

13. Other Business

14. Adjourn

Next Regular Meeting: April 21, 2021 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the location and manner of the next meeting has yet to be determined.

**March 2021 OMIDDD Board Meeting**  
**Wed, Mar 17, 2021 11:30 AM - 1:30 PM (EDT)**

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

February 17, 2021

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held via GoToMeeting on the 17<sup>th</sup> day of February at 11:30 a.m. Eastern Standard Time. The meeting was conducted electronically via GoToMeeting in accordance with the Open Meetings Act, PA 267 of 1976, as amended by PA 254 of 2020.

**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 Steve Korth for Jim Nash, Secretary and Oakland County Water Resources Commissioner.

**OTHERS PRESENT:**

Representing the office of the Macomb County Public Works Commissioner: Brian Baker and Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Joel Brown, Sid Lockhart, Kelsey Cooke, Brian Coburn, Evans Bantios, Raphael Chirolla and Megan Koss. Others in attendance: Fritz Klingler, FK Engineering; Shawn Phelps, OC Fiscal Services; Brady Harrington, MDARD; Larry Gilbert and Saju Sachidanandan, NTH Consultants; Terry Moore, Metco; and John Michalski, ASI

1. Call meeting to order.  
Chairperson Gregg called the meeting to order at 11:30 a.m. and noted the meeting was being held electronically in accordance with PA 254 of 2020. In compliance with the aforementioned, Chairperson Gregg indicated he was participating from Mason, Michigan, Commissioner Miller indicated she was participating from Harrison Township, Michigan and Mr. Korth indicated he was participating from Orion Township, Michigan.
2. Agenda.  
Motion by Miller, supported by Korth, to approve the February 17, 2021 agenda as presented.

**ROLL CALL VOTE:**

GREG:        AYE  
MILLER:      AYE  
KORTH:       AYE

3. Minutes.  
Motion by Miller, supported by Korth, to approve the minutes of the January 20, 2021 meeting.

**ROLL CALL VOTE:**

GREG:        AYE  
MILLER:      AYE  
KORTH:       AYE

4. Public Comment.



None.

5. Temporary Construction Easement.

Mr. Brown provided the Board with a Memorandum requesting the Board ratify the GLWA MOU and temporary easement with FCA. He briefly touched on the history of the NI-EA and NESPS projects necessitating the current MOU and easement. He indicated that the additional space and accessibility contemplated by the aforementioned was essential to the completion of the Drainage District projects. Motion by Miller, supported by Korth, to ratify and file the GLWA MOU and the FCA Agreement, including proposed forthcoming dispute resolution amendments.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

KORTH: AYE

6. Memorandum regarding Pump 4 Operational Changes.

Mr. Brown presented for receive and file a memorandum outlining recent operational changes pertaining to Pump 4. Specifically, Mr. Brown noted the addition of a “Dewatering Mode” and “Normal Mode”. Motion by Miller, supported by Korth, to receive and file the Pump 4 Operational Changes memorandum as presented.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

KORTH: AYE

7. Change Orders.

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

- a) Walsh Construction Change Order No. 9 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$180,105.13. Motion by Korth, supported by Miller, to approve the Change Order as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

KORTH: AYE

- b) Doetsch Change Order No. 3 for the OMID Immediate Repairs Project for a net decrease in the amount of \$12,900. Motion by Miller, supported by Korth, to approve the Change Order as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

KORTH: AYE

- c) Walsh Construction Change Order. No. 1 for CS-9 Gate Installation for a net increase in the amount of \$7,929.16. Motion by Miller, supported by Korth, to approve the Change Order as presented.

ROLL CALL VOTE:

GREGG: AYE  
MILLER: AYE  
KORTH: AYE

8. Construction Pay Estimates.

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

- a) Construction Estimate No. 4 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$531,541.20 with a transfer to reserves with the Oakland County Treasurer in the amount of \$59,585.13. Motion by Korth, supported by Miller, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE  
MILLER: AYE  
KORTH: AYE

- b) Construction Estimate No. 2 for Walsh Construction for CS-9 Gate Installation in the amount of \$58,784.40 with a transfer to the Oakland County Treasurer in the amount of \$6,006.60. Motion by Miller, supported by Korth, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE  
MILLER: AYE  
KORTH: AYE

- c) Construction Estimate No. 4 for Detroit Elevator for NESPS Dry Well Elevator Modernization in the amount of \$5,165.50. Motion by Korth, supported by Miller, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE  
MILLER: AYE  
KORTH: AYE

- d) Construction Estimate No. 1 for Doetsch for OMID Localized Rehabilitation and Spot Repairs in the amount of \$293,318.82 with a transfer to the Oakland County Treasurer in the amount of \$32,590.98. Motion by Miller, supported by Korth, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE  
MILLER: AYE

KORTH: AYE

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

ROLL CALL VOTE:

GREGG: AYE  
MILLER: AYE  
KORTH: AYE

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

ROLL CALL VOTE:

GREGG: AYE  
MILLER: AYE  
KORTH: AYE

11. 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 4 NESPS Gatehouse \$ 1,014.12
    - Segment 4 NESPS Odor Corrosion Study \$ 1,468.48
    - Segment 5 NI-EA Construction \$ 10,405.87
    - Segment 5 NESPS Mech./Elect. Construction \$ 20,845.32
  - 2) Equipment Charges
    - Segment 4 NESPS Gatehouse \$ 6,675.39
    - Segment 4 NESPS Odor Corrosion Study \$ 40.44
    - Segment 5 NI-EA Construction \$ 509.27
    - Segment 5 NESPS Mech./Elect. Construction \$ 2,100.21
  - 3) Mileage
    - Segment 4 NESPS Gatehouse \$ 1,014.16
  - 4) Reimbursement of the Drain Revolving Fund  
Macomb Invoice No. ARP210037 \$ 20,006.93
- b) Applied Science, Inc.  
Invoice No. 7783 (24) NESPS M&E \$ 95,460.63
- c) CH2M  
Invoice No. 705773CH024 (25) Seg. 4 \$ 3,069.54
- d) Clark Hill
- 1) Invoice No. 1055842 O&M \$ 1,350.00
  - 2) Invoice No. 1056907 O&M \$ 1,728.00
- e) Dickinson Wright
- 1) Invoice No. 1546108 O&M \$ 525.00

	2)	Invoice No. 1546112	O&M	\$	3,255.00
	3)	Invoice No. 1546117	O&M	\$	2,905.00
f)		Hesco			
		Invoice No. 20211647	O&M	\$	15,458.75
g)		Jacobs			
	1)	Invoice No. 697317CH026	Seg. 3	\$	8,271.96
	2)	Invoice No. 697317CH029	Split	\$	8,896.37
h)		Kennedy			
	1)	Invoice No. 620797	O&M	\$	803.00
	2)	Invoice No. 621708	O&M	\$	2,423.82
	3)	Invoice No. 622843	O&M	\$	3,273.00
	4)	Invoice No. 623235	O&M	\$	583.00
i)		METCO			
		Invoice No. 1811-25	O&M	\$	92,834.90
j)		Motor City Electric Technologies Inc.			
	1)	Invoice No. 93454	O&M	\$	924.00
	2)	Invoice No. 93455	O&M	\$	385.00
	3)	Invoice No. 93456	O&M	\$	192.50
	4)	Invoice No. 93457	O&M	\$	116.65
	5)	Invoice No. 93458	O&M	\$	115.50
	6)	Invoice No. 93459	O&M	\$	231.00
k)		NTH Consultants, Ltd			
	1)	Contract No. 1			
		Invoice No. 2	NI-EA	\$	29,689.84
	2)	Eng./Consult. Services NESPS CMT			
		Invoice No. 4	O&M	\$	4,741.14
	3)	Safety Manual & Crane Support			
		Invoice No. 7	O&M	\$	564.51
	4)	NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4			
		Invoice No. 20	NI-EA	\$	49,208.33
	5)	Repairs – OMID System Immediate Repairs			
		Invoice No. 24	OIR	\$	20,619.59
l)		PMA Consultants			
		Invoice No. 3559.01-8	NESPS	\$	7,469.52
m)		Rotor Electric Co.			
		Invoice No. 12389	O&M	\$	31,521.10

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

**ROLL CALL VOTE:**

GREGG: AYE

MILLER: AYE

KORTH: AYE

**12. Other Business.**

Mr. Brown indicated that a Memorandum regarding Lockout-Tagout procedures was circulating and he hoped to provide the aforementioned and/or an update at the March Drainage District meeting per Mr. Baker's request.

13. Adjourn.  
Motion by Miller, supported by Korth, to adjourn the February 17, 2021 meeting at 12:49 p.m.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

KORTH: AYE

Next Regular Meeting: March 17, 2021 at 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the March meeting will be held virtually.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage Board, at a meeting held on February 17, 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 26<sup>th</sup> day of February, 2021.

*Steven Korth*

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Steven Korth for Jim Nash, Secretary  
Oakland-Macomb Interceptor Drain Drainage Board

## **Agenda Item No. 3**

Board Meeting Minutes from February 17, 2021

## **Agenda Item No. 4**

### **Public Comment**



## **Agenda Item No. 5**

### **“Lock Out – Tag Out” Memorandum**

# MEMORANDUM

**To:** Board of the Oakland-Macomb Interceptor Drain Drainage District (“OMIDDD”)  
**From:** Peter H. Webster  
**Date:** March 5, 2021  
**Re:** Flow Control “Lock Out-Tag Out” Review

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## I. INTRODUCTION

At the Board’s direction, this memorandum reviews certain flow control issues respecting the operation of the Oakland-Macomb Interceptor Drain Drainage District’s sewer system. Specifically, this memorandum will (1) discuss issues related to flow control, de-energization/re-energization (“De-energization/Re-energization”), and lock-out-tag-out procedures (“LOTO”) as part of the sewer entry and shutdown (“SESR”) aspect of the OMIDDD operations, (2) review requested changes to these procedures, (3) discuss certain implications of those changes, and (4) outline suggested approaches for the Board to consider in the short and long term.

Generally, this memorandum refers to De-energization/Re-energization and LOTO activities collectively as “Flow Control” procedures. Each activity is a subset of the Flow Control process. At a very high level, the Flow Control process involves the following cycle of events:

1. Flow Control – Normal Operations
2. De-energization of Control Structures – Stopping Flow
3. LOTO – The use of locks, tags, chains, wedges, key blocks, adaptor pins, self-locking fasteners, or other hardware used to isolate, secure, or block machines or equipment from energy sources
4. Work done in locked out area
4. Re-energize – Restarting Flow
5. Flow Control – return to Normal Operations

The Flow Control concerns and issues discussed in this memorandum primarily arise in instances where (1) the OMIDDD needs to perform work in its infrastructure and requires the Oakland-Macomb Interceptor Drain (“OMID”) and/or the Macomb Interceptor Drain (“MID”) to perform flow control to do that work safely and efficiently; and (2) the Macomb Interceptor Drain Drainage District (“MIDDD”) needs to perform work in its infrastructure and requires the MID and/or OMID to perform flow control do that work safely and efficiently. The Flow Control issues presented do not relate to the Clinton Oakland Sewage Disposal System.

## A. Historical Approach

The OMID Control Structures CS-5, CS-6, CS-7, CS-8, and CS-9 were constructed through the OMID Segment 1 (Contracts 1-2) to prevent sewage flow while repair work was being performed within the OMID. During work on Segments 2 through 4 (Contracts 3-7), the structures were

utilized for flow control to perform that repair work. In addition to contract and operator work rules with respect to Flow Control, Contractors also were required to follow MIOSHA/OSHA regulations respecting LOTO to promote a safe working environment. The MIOSHA/OSHA LOTO regulations generally apply to the operation of the control structure gates.

## **1. Historical Flow Control Contracting**

In the past, OMIDDD Contractors involved with the major rehabilitation work of Contracts 1-7 referenced above were contractually required to perform the Flow Control procedures, including De-energization/Re-energization and LOTO. Under this arrangement, the Contractors subcontracted with Metco Engineering, Inc. ("Metco") to perform certain aspects of the Flow Control. The following sequence was followed:

1. Metco remotely lowered the gates to start the flow control process.
2. The Contractors then "de-energized" the gate by closing the hydraulic valves and turning the control switch from remote to standby. Metco was present for this activity. This process is the "De-energization" phase.
3. Once the equipment was de-energized, it was tested to ensure that it could not be operated by the Contractors' workers performing the LOTO process. The Contractors then placed locks and tags on the devices that could potentially create a hazard to their workers at each gate location. This effectively shut off any remote and local gate operation and isolated the potential energy from harming any worker.
4. Metco monitored sewage levels in the system and advised Contractors of work time.
5. The Contractors concluded their work and completed the LOTO by removing the locks and tags that isolated the equipment.
6. The Contractors then "re-energized" the equipment by opening the hydraulic valves and turning the control switch from standby to remote. The Contractors then notified Metco that the gates could be remotely operated. This process is the "Re-energization" phase. Collectively steps 2 and 6 are referred to herein as "De-energization/Re-energization."
7. Metco resumed remote gate operation and drained the flow in the system overnight so the Contractors could resume work the next day and repeat this process.

**The salient point in this process for purposes of this memorandum is that the Contractor performed the De-energization/Re-energization (steps 2 and 6).**

## **2. Change in Flow Control Contracting**

The Flow Control sequence described above did not change for some time but the relationship between Metco and the Contractors did change. Rather than serving as a subcontractor to the Contractors, OMIDDD began entering into direct contracts with Metco to perform Flow Control functions. Moreover, the long standing Contractors changed and new, additional Contractors began working on the OMID.

### **3. MIDDD's Need for Flow Control**

Part of the evolution also included MIDDD starting improvement projects on the MID (to be carried out by MIDDD Contractors) that required Flow Control of the OMID and the MID. Thus, the new, additional Contractors also involved contractors to the MIDDD and not just the OMIDDD. Throughout this time, however, the Contractors continued to be responsible for the LOTO activities (steps 3 and 5) of the Flow Control process. The Contractor's involvement was required by MIOSHA/OSHA because it had "affected employees" operating in harm's way and the "authorized employee" of a Contractor was the person actually locking and tagging the devices in and out.

**In light of MIOSHA/OSHA requirements, the key Flow Control issue is who physically conducts the De-energization and Re-energization aspect (steps 2 and 6) of the Flow Control process.**

As noted above, the Contractors historically were contractually responsible for the De-energization / Re-energization aspect of Flow Control. Recently, and in light of the evolution in operations, MCPWC staff suggested that (1) OMIDDD (as the owner) should handle the De-energization / Re-energization aspect of Flow Control (MCPWC staff handles the De-energization / Re-energization aspect of Flow Control for the MIDDD) or (2) Metco (as owner's agent), and not the Contractors, should be contracted directly to conduct the De-energization/Re-energization aspect of the Flow Control process. MCPWC has not suggested any change to the past practice of the Contractors conducting their own LOTO.

### **B. MCPWC's Reasons Why OMIDDD or METCO (and not the Contractors) Should Conduct De-Energization/Re-Energization**

The primary reasons for MCPWC's suggested change in process are as follows:

1. While the process is comparatively straightforward, Metco personnel are more qualified and experienced as compared to Contractors to perform De-energization / Re-energization because of their experience with the OMID system and gate structure components. Allowing the Contractors to perform De-energization/Re-energization may put the system infrastructure at risk of damage if the gate is operated incorrectly.
2. Where it is anticipated that multiple Contractors participate in the LOTO process, it is clearer from a responsibility and control perspective for one entity (i.e. Metco)

to perform the De-energization and Re-energization, to avoid potential confusion of Contractors deciding either on an ad hoc or at least constantly changing basis which Contractor should conduct those processes.

3. Contractors for MIDDD and OMIDDD have raised the concern of potential liability arising from De-energizing and Re-energizing of the gate or cross liability from other contractors if they are the entity who De-energizes and Re-energizes the gate. This is especially the case if the LOTO process requires coordination with other Contractors on different projects across different systems, which has not occurred previously.
4. Per MCPWC, it is industry standard and best practice for an “Owner” (i.e. OMIDDD and/or MIDDD) to operate its own equipment. Specifically, OMIDDD, as the Owner, and not the contractor, should be actuating the hydraulic valves and turning the control switch as part of the De-energization/Re-energization aspect of the Flow Control process.
5. MIOSHA/OSHA LOTO regulations pass through only a limited a De-energization and Re-energization obligation to Contractors working in the sewer system. The Contractor or affected employee is only required to verify De-energization and isolation before applying locks. Per MCPWC, the Contractors, unless otherwise specified, should only be required to verify/witness De-energization/Re-energization and isolation of equipment and apply their locks. MCPWC also asserts that MIOSHA/OSHA regulations are not applicable to De-energization/Re-energization and isolation of equipment; they are intended only to ensure that appropriate personnel verify that it has been done and apply their locks.
6. MCPWC also expressed a number of related concerns including relative risk, liability, contracting, and other issues for the continued practice of Contractors conducting the De-energization/Re-energization aspect of the Flow Control process.

## **II. LEGAL MANDATES AND MIOSHA/OSHA**

The law is not clear who must conduct the De-energization/Re-energization aspect of the Flow Control process as between or among OMIDDD as the owner, Metco as the owner’s agent, or the Contractors. The MIOSHA/OSHA regulations address specifically how and who should perform LOTO activities, but do not require that Contractors that have workers in harm’s way of any stored energy train such workers how to isolate and neutralize that known hazard (i.e. De-energization/Re-energization). See generally, CFR 1910.147, “The Control of Hazardous Energy (lockout/tagout).” These standards establish minimum performance requirements for the control of such hazardous (stored) energy and apply to a wide range of circumstances and are not specifically tailored to wastewater infrastructure like that of the OMID or MID. Thus, both the Metco (OMIDDD as the owner, Metco as the owner’s agent/contractor) and the Contractor

approaches discussed herein for De-energization and Re-energization could comply with the MIOSHA/OSHA regulations, provided that the other requirements also are met. Moreover, unlike the LOTO obligations, there is no clear “industry standard” for De-energization and Re-energization particularly as it relates to wastewater best practices or analogous industries. Who bears the responsibility for De-energization / Re-energization differs on a case by case basis.

This topic was discussed in a tele conference involving OMIDDD and MIDDD representatives and a representative of Walbridge, a major general contractor, who had significant industry experience in LOTO processes in general, but not wastewater operations in particular. This discussion confirmed that in general, there was no industry mandate one way or the other as to whether the Owner or Owner’s agent, as opposed to the Contractor, was required to undertake the De-energization/Re-energization. The discussion also confirmed that it is Owner’s decision to assign responsibility for De-energization/Re-energization and the Contractor is to confirm (observe) such De-energization/Re-energization. Importantly, the Contractor clearly is responsible for the physical LOTO aspect of the Flow Control process.

### **III. INTERIM MEASURE**

There have been reported concerns that MCPWC’s position on this issue delayed the progress of certain OMIDDD and MIDDD repair projects. As an interim measure, MCPWC and OMIDDD personnel have agreed to a process whereby Contractors perform the De-energization aspect of the Flow Control process (with no other entity in the pipe) and Metco performs the Re-energization process – with the Contractors conducting their LOTO as they have always done. This process is only viewed as a short-term solution.

### **IV. DEFERRAL OF OMIDDD BOARD DECISION AND REQUEST FOR ADDITIONAL REVIEW**

Because there was no consensus engineering and operational recommendation, the Board requested additional analysis to help it make a determination as to who should physically conduct the De-energization and Re-energization phases (steps 2 and 6) of the Flow Control process.

### **V. CONSIDERATIONS**

1. The overarching concern is operational safety for workers in harm’s way. The historical practice of making the Contractor responsible for the entire Flow Control process has significant value because of its proven operational safety record. The Board must consider whether changing the responsibility for De-energization/Re-energization will have any negative impact on the operational safety of workers.
2. The changing nature of the Contractor’s relationship with the OMIDDD from past situations of one or a small number of long standing contractors to more, new, and additional contractors, including MIDDD Contractors, also is an important consideration.

3. Historically requiring the Contractor to be responsible for De-energization, Re-energization and LOTO also reduced the potential liability to OMIDDD. Contractors were in complete control of each of the processes to protect their employees. Having the Owner directly contract with Metco to perform De-energization/Re-energization inserts another control entity into the process and potentially shifts liability resulting from LOTO issues from the Contractors (and their respective insurance companies) to OMIDDD (and Metco).

4. Another major consideration is system integrity, i.e., preventing harm to the physical infrastructure of the OMIDDD. Whoever conducts De-energization/Re-energization must be properly trained to reduce the potential harm. Presumably, this consideration factors largely in MCPWC's position in light of its infrastructure casualties and claimed failure modes.

5. There are a number of other concerns, including relative risk, liability, contracting, and other issues, relating to the decision to maintain the status quo and continue to have Contractors remain responsible for the De-energization/Re-energization aspect of the Flow Control process or have OMIDDD (or MIDDD) directly contract with Metco to perform these operations. These considerations can be addressed through adoption of, or amendments to, existing contracts, insurance policies, permits, forms, procedures, and a joint operations agreement. There appear to be significant issues with the current operational practice and contracts with Contractors and Metco, including insurance obligations.

## **VI. SUMMARY OF ANALYSIS AND CONCLUSIONS**

### **A. Metco conducting the De-energization/Re-energization of the Flow Control**

In light of the evolutionary changes to the Flow Control requirements of both the OMIDDD and the MIDDD, it is sensible, though not required, to make a change to have one entity, Metco, conduct the De-energization/Re-energization aspect of the Flow Control process. The current Flow Control operations involve many new, additional, multiple, and changing Contractors. Having one entity with a clear and singular responsibility for De-energization/Re-energization eliminates the potential confusion, delay, indecision, and lack of accountability over that aspect of the Flow Control process. This approach also would promote site security.

Based on past experience and operations, the level of training required to perform the De-energization/Re-energization tasks do not appear to be a determinative consideration. Moreover, any potential liability for "negligent" training would remain equivalent, and such liability should and can be addressed through the appropriate contract documents, waivers, and indemnification requirements. With one entity conducting De-energization/Re-energization, the need for training and training updates would be more streamlined.

Under this approach, the Contractors would still be expressly responsible for LOTO and ensuring the hazard is isolated and the Contractor's employees are safe in accordance with MIOSHA/OSHA regulations. The OMIDDD contract documents included such a LOTO process at each control

structure. Corresponding requirements should be inserted in the MIDDD contract documents and addressed in the SESR Form permit discussed below.

## **B. Metco Contract and Insurance**

OMIDDD staff should review and consult with Meadowbrook Insurance to provide recommendations respecting the types and limits of Metco's insurance and OMIDDD's insurance for proper coordination. To prepare this memorandum, Meadowbrook Insurance was consulted a number of times. No significant insurance barrier was identified that would prohibit Metco from conducting the De-energization/Re-energization of the Flow Control process. Rather, any detailed insurance review would focus on the following:

1. Whether Metco's general liability ("GL") insurance policy should be primary in the event of any third-party property (MIDDD or Contractor) or bodily injury loss related to Metco Flow Control activities.
2. Whether Metco's current GL policy with limits of \$2,000,000 per occurrence, \$4,000,000 aggregate with a \$5,000,000 excess liability policy over those limits is sufficient to cover most bodily injury or damage to Contractor's work.
3. Metco's GL policy may not cover any third-party catastrophic loss therefore placing Metco's assets at risk. This exposure would need to be addressed, possibly through Metco billing OMIDDD or having OMIDDD otherwise agree to provide coverage for Metco above and beyond Metco's insurance limits. This could be achieved by making Metco an additional named insured under OMIDDD's GL policy, with Metco's policy remaining primary and non-contributory to OMIDDD's policy.
4. Metco's GL policy will not cover any damage to OMIDDD property (as distinct from personal injury) due to the typical custodial/agent exclusion found in GL policies, also placing Metco's assets at risk. Consequently, Metco may request a contractual waiver of subrogation from the OMIDDD's property policy to cover OMIDDD property losses as a result of its Flow Control actions.
5. Making Metco an additional or additional named insured under Contractors' insurance policies. This is a common practice.

## **C. OMIDDD Developing In-house Capability to Metco Expertise in De-energization/Re-energization of the Flow Control process and Flow Control in General.**

The WRC has the capability to conduct De-energization/Re-energization for the OMIDDD on a short term basis. OMIDDD relies day-to-day on the Contractors and Metco to undertake that effort. From a reliability and redundancy perspective, OMIDDD should consider additional in house capacity for De-energization/Re-energization. The potential failure of Metco to meet its



contractual obligations exists. While OMIDDD would have a breach of contract claim against Metco should it fail to meet its contractual obligations, the operational concerns resulting from that breach pose a potentially far greater problem. Administratively, bringing this aspect of Flow Control in house could potentially simplify contract and insurance obligations and requirements. The work for this memorandum did not explore this option in depth, but should be reviewed from an engineering and operational perspective.

#### **D. Updating SESR Form/Permit and Development of Long Term Joint Operations Agreement Between OMIDDD and MIDDD**

Current OMIDDD operations require the submission of the “OMID MID Joint Sewer Entry & Shutdown (Lockout/Tagout) Request Form.” An example of that form is attached as **Tab 1**. The SESR Form acts as a permit function, authorizing a Contractor sewer entry (whether under contract with MIDDD or OMIDDD). The SESR Form should be reviewed and updated to make sure that the appropriate information, conditions, limitations, and obligations concerning the work is provided. This includes ensuring the Contractor’s insurance certificate information has sufficient coverage and provides for the requisite additional insureds (or additional named insured) status, and terms.

Using the SESR Form as a starting point, OMIDDD and MIDDD should consider developing a more comprehensive Joint Operations Agreement (“JOA”) respecting Flow Control. This JOA should to be engineering and operations driven, reflecting the mutual relationship of OMIDDD and MIDDD respecting Flow Control and incorporate by attachment any exhibits, permits, procedures, communications or other operational plans, and other operational considerations necessary for smooth and safe Flow Control operations. The JOA also could specify minimum contract terms for OMIDDD and MIDDD Contractors to ensure that their respective contracts include the right terms to clearly bind the Contractors to their Flow Control and related obligations. For example, a MIDDD contract with a MIDDD Contractor would have clear and accepted contract terms that require the MIDDD Contractor to obtain a SESR Form permit to allow for sewer entry under conditions acceptable to OMIDDD.

In addition, the JOA could require the OMIDDD, as the Owner, to obtain indemnification (or other risk management) from Contractors (whether OMIDDD Contractors or MIDDD Contractors) for “action over claims” by employees of the Contractors and waiver of subrogation rights by the Contractor’s GL carrier.

Importantly, OMIDDD, as the Owner, would also obtain indemnification (or other risk management) from MIDDD for MIDDD Contractors and MIDDD employee “action over claims” respecting claims arising from Flow Control operations. The reciprocal terms would be the case for the MIDDD.

### **VII. RECOMMENDED ACTIONS**

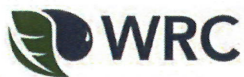
The OMIDDD Board should consider resolutions to direct staff to undertake the following:

1. Review and consult with Metco respecting Metco's contract to ensure Metco has contractual responsibility for the De-energization/ Re-energization aspect of the Flow Control process.
2. Review and consult with Meadowbrook Insurance to provide recommendations respecting Metco's insurance provisions.
3. Review and consult with Meadowbrook Insurance to provide recommendations respecting OMIDDD's insurance for proper coordination.
4. Update the SESR Form permit in the short term to ensure Contractors are operating in OMIDDD facilities under proper authority and conditions.
5. Update other operational procedures applicable to the Flow Control process so that they are consistent with the Board's directives.
6. Review and provide a recommendation as to whether to train day-to-day "in-house" personal to perform the De-energization/Re-energization responsibility as an adjunct to, or in the place of, Metco.

7. Develop a proposed JOA between OMIDDD and MIDDD concerning Flow Control issues including appropriate indemnity by the respective system requesting flow control from the other system.

PHW/mal

TAB 1



# OAKLAND MACOMB INTERCEPTOR DRAIN MACOMB INTERCEPTOR DRAIN JOINT SESR FORM



## SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST FORM

The following information must be completed and emailed to Steve Rozycki (MCPWO), Joel Brown (WRC), and Terry Moore (METCO) at least three (3) business days in advance for each date requested.

NAME	TITLE	Email
Steve Rozycki	Engineer II – MCPWO (MID/OMID)	steve.rozycki@macombgov.org
Joel Brown	Assistant Chief Engineer – WRC (OMID)	brownjt@oakgov.com
Terry Moore	OMID Flow Control Manager – METCO (OMID)	tmoore@metcoservices.com

If an emergency entry or shutdown is required, immediately contact one of the following:

NAME	TITLE	PHONE NUMBER
Vince Astorino	Operations & Flow Manager – MCPWO (MID/OMID)	586.615.2436
Steve Rozycki	Engineer II – MCPWO (MID/OMID)	586.696.0235
Brian Coburn	Chief Engineer – WRC (OMID)	248.452.1022
Joel Brown	Assistant Chief Engineer – WRC (OMID)	248.410.4908
Terry Moore	Flow Control Manager – METCO (OMID)	313.829.7207
Darrin Green	Maintenance Coordinator Assistant – METCO (OMID)	586.214.5877

### SESR Request Type

1. FACILITY SHUTDOWN/CLOSURE: YES ☒ NO ☐ (Fill out page 3)
2. FACILITY LOTO: YES ☒ NO ☐ (Fill out page 3)
3. MANNED ENTRY: YES ☒ NO ☐ (Fill out page 4)
4. STRUCTURE ACCESS (NO-MANNED ENTRY): YES ☒ NO ☐ (Fill out page 5)

DATE OF REQUEST: 11/30/20

REQUEST ACTIVITY DATE(S): 12/01/20 THROUGH 12/23/20

### Notes:

- Requester Information: Page 2 shall be completed for all requests.
- Certificate of Insurance: Page 6 shall be completed for all requests.
- Multiple request types may be required, all relevant subsequent pages shall be completed for this scenario.
- MCPWO (MID/OMID) and METCO (OMID) managers have the right to deny or request modifications to SESR based on current system operations and/or weather.
- Communications plan shall be developed and coordinated with MCPWO (MID/OMID) and METCO (OMID) managers.



**OAKLAND MACOMB INTERCEPTOR DRAIN  
MACOMB INTERCEPTOR DRAIN  
JOINT SESR FORM**



**SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST FORM**

**SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUESTOR INFORMATION**

REQUESTING ORGANIZATION: Doetsch Environmental Services

DATE OF REQUEST: 11/17/20

REQUESTOR NAME: Joe Schotthoefer

TITLE: VP Operations

PHONE NUMBER: 8104999233

EMAIL: joe@doetschenv.com

ADDRESS: 21221 Mullin Ave Warren MI

OFFICE PHONE NUMBER: 5867552090

ENTRY SUPERVISOR NAME: Jay Rosencrants

ENTRY SUPERVISOR PHONE NO.: 8104999233

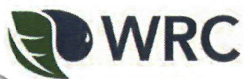
ENTRY SUPERVISOR PHONE EMAIL: joe@doetschenv.com

ADDITIONAL INFORMATION:

**PREDICTED WEATHER CONDITIONS FOR DAY OF ENTRY** (If multiple days, weather conditions to be monitor by MCPWO (MID/OMID) and METCO (OMID) managers for daily condition impacts): (to be monitored by flow control managers)

**DESCRIPTION OF WORK:** localized repair to interceptor daily Monday through Saturday.





# OAKLAND MACOMB INTERCEPTOR DRAIN MACOMB INTERCEPTOR DRAIN JOINT SESR FORM



## SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST FORM

### SESR REQUEST TYPE 1 & 2. FACILITY SHUTDOWN/CLOSURE INFORMATION & LOTO

Type 1 requests are designated, but not limited to, pump station shutdowns, pump station flow control, control structure closures, control structure operations, and any variances to typical flow control operations. Type 2 requests require Lock-Out Tag-Out measures to be performed by the requestor with approval and assistance from MCPWO (MID/OMID) and METCO (OMID) managers and staff. LOTO is required but not limited to when personnel enter interceptors, facilities, or control structures, when facilities are shutdown or closed.

#### Facility Shutdown/Closure Requested:

MIDDD		
Facility	Shutdown	LOTO
CPS:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CS-2:	<input type="checkbox"/>	<input type="checkbox"/>
CS-3:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CS-11:	<input type="checkbox"/>	<input type="checkbox"/>
CS-12:	<input type="checkbox"/>	<input type="checkbox"/>
CS-12 PS:	<input type="checkbox"/>	<input type="checkbox"/>

OMIDDD		
Facility	Shutdown	LOTO
CS-4:	<input type="checkbox"/>	<input type="checkbox"/>
CS-5:	<input type="checkbox"/>	<input type="checkbox"/>
CS-6:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CS-7:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CS-8:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CS-9:	<input type="checkbox"/>	<input type="checkbox"/>
CS-6 PS:	<input type="checkbox"/>	<input type="checkbox"/>
NESPS*:	<input type="checkbox"/>	<input type="checkbox"/>

\*NESPS shutdown requests to be coordinated with  
OMID and GLWA.

DAILY SHUTDOWN TIME: 6am THROUGH 5 pm

#### Notes:

Facility shutdown / closure times and LOTO times shall be coordinated with the MCPWO (MID/OMID) and METCO (OMID) managers. Daily times may be adjusted based on specific requested needs as fit by requestor and MCPWO (MID/OMID) and METCO (OMID) managers.



**OAKLAND MACOMB INTERCEPTOR DRAIN  
MACOMB INTERCEPTOR DRAIN  
JOINT SESR FORM**



**SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST FORM**

**SESR REQUEST TYPE 3. MANNED ENTRY**

Type 3 requests are specific for manned entries into interceptors, manholes or facilities. Type 3 requests may or may not also require Type 1 and/or 2 requests, depending on circumstances. Coordination with MCPWO (MID/OMID) and METCO (OMID) managers can help determine if Type 3 requests shall accompany a Type 1 and/or 2 request.

**ENTRY LOCATION INFORMATION:**

**DRAINAGE DISTRICT OF ENTRY**

- ☒ MIDDD  
☐ OMIDDD

Item	Location(s)	Time(s)
Entry:	PCI - 7	7 am
Exit:	PCI - 7	5 pm

**RESCUE SERVICES MUST BE PROVIDED FOR ALL MANNED ENTRIES**

RESCUE SERVICES:                  SELF ☒                  OTHER ☐

IF OTHER, RESCUE SERVICES CONTACT INFORMATION: \_\_\_\_\_  
\_\_\_\_\_

**Notes:**

MCPWO (MID/OMID) and METCO (OMID) managers must be notified immediately before and after entry and exit. All actual entry times shall be coordinated with MCPWO (MID/OMID) and METCO (OMID) managers on the day of entry. MCPWO (MID/OMID) and METCO (OMID) managers shall confirm with requestor of times of safe entry based on any required shutdown/closure and LOTO.





## SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST FORM

## SESR REQUEST TYPE 4. STRUCTURE ACCESS

Type 4 requests are specific to accessing OMID structures that does not require a manned entry. These types of requests include but are not limited to, bypass pump discharge piping, equipment entering the system, system observations from surface, surface work on facilities, etc. Type 4 requests may also require Type 1 and/or 2 requests depending on circumstances.

**INFORMATION REAGRDNIG TYPE 4 SESR REQUEST:**

Provide all critical information regarding location, reason, proposed work plan, dates, times, etc.

Work site will be from CS-6 to CS-5. Note: Work scheduled Monday through Saturday

[illegible]

Notes:

MCPWO (MID/OMID) and METCO (OMID) managers must be notified immediately before and after access. All actual entry times shall be coordinated with MCPWO (MID/OMID) and METCO (OMID) managers on the day of access.



# OAKLAND MACOMB INTERCEPTOR DRAIN MACOMB INTERCEPTOR DRAIN JOINT SESR FORM



## SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST FORM

### CERTIFICATE OF INSURANCE

It is required that all requestors provide proof of liability insurance utilizing a Standard Accord form. Please provide this completed form as a **STAND ALONE** document, which will be attached to the completed SESR form, once signed by the MCPWO (MID/OMID) and METCO (OMID) managers. Provided below are the insurance requirements.

Description	Materials/ Supplies	Construction	Engineering/ Professional	Non-Standard	
Select insurance that applies	Amount	Amount	Amount	Amount	Approval
<b><u>General Liability</u></b>					
Each occurrence	not required	\$1,000,000	\$1,000,000		
Damage to rented premises (each occurrence)	not required	\$50,000	\$50,000		
Med Exp (any one person)	not required	\$10,000	\$10,000		
Personal & ADV Injury	not required	\$1,000,000	\$1,000,000		
General Aggregate	not required	\$1,000,000	\$1,000,000		
Products - comp/OP AGG	not required	\$1,000,000	\$1,000,000		
<b><u>Automobile Liability</u></b>					
Combined Single Limit (Each accident)	not required	\$1,000,000	\$1,000,000		
<b><u>Umbrella Liability</u></b>					
Each occurrence	not required	\$2,000,000	\$2,000,000		
Aggregate	not required	\$2,000,000	\$2,000,000		
<b><u>Workers' Compensation and Employers' Liability</u></b>					
E.L. Each Accident	not required	\$1,000,000	\$1,000,000		
E.L. Disease - Each Employee	not required	\$1,000,000	\$1,000,000		
E.L. Disease - Policy Limit	not required	\$1,000,000	\$1,000,000		
<b><u>Professional Liability or Errors and Omissions (if required by Contract)</u></b>					
Each Claim	not required	not required	\$1,000,000		
<b><u>Other-Pollution</u></b>					
Each occurrence	not required	\$1,000,000	not required		
General Aggregate	not required	\$2,000,000	not required		
<p>Note: Coverages are to be provided on a standard Accord form. In order to determine financial strength and reputation of insurance carriers, all companies providing the coverage required shall be licensed or approved by the Insurance Bureau of the State of Michigan and shall have a financial rating not lower than XI and a policyholder's service rating no lower than A- as listed in A.M. Best's Key Rating Guide, current edition. Companies with ratings lower than A-:XI will be acceptable only upon written consent of the MID/OMIDDD. All such insurers shall be from U.S. Treasury list. In the event of a surety delisting, bankruptcy, insolvency or loss of right to do business in the state of Michigan, Requestor agrees to replace such surety with one that complies with these provisions at no cost to the MID/OMIDDD.</p>					





OAKLAND MACOMB INTERCEPTOR DRAIN  
MACOMB INTERCEPTOR DRAIN  
JOINT SESR FORM



**SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST FORM**

REMAINING SECTION TO BE COMPLETED BY MID & OMID COORDINATING MANAGERS

NO ENTRY, SHUTDOWN, OR LOTO CAN BE MADE UNTIL AUTHORIZATION IS GIVEN MCPWO (MID/OMID) AND METCO (OMID) MANAGER. COORDINATING MANAGER DESIGNATED TO BE PRIMARY CONTACT.

NAME	TITLE	PHONE NUMBER	EMAIL	COORDINATING MANAGER
Steve Rozycki	Engineer II – MCPWO (MID/OMID)	586.696.0235	steve.rozycki@macombgov.org	<input type="checkbox"/>
Terry Moore	Flow Control Manager – METCO (OMID)	313.829.7207	tmoore@metcoservices.com	<input checked="" type="checkbox"/>

SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST NUMBER: \_\_\_\_\_

OTHER REQUESTS FOR THIS DATE: YES ☐ NO ☐

IF YES, SEWER ENTRY & SHUTDOWN (LOCKOUT/TAGOUT) REQUEST NUMBER: \_\_\_\_\_

CONFLICT WITH OTHER ENTRIES: YES ☐ NO ☐

IF YES, DESCRIBE HOW: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: \_\_\_\_\_

Digitally signed by  
Steve Rozycki  
Date: 2020.11.30  
14:36:05 -05'00'

Steve Rozycki – MCPWO (MID/OMID)

DATE: 11/30/20

SIGNATURE: \_\_\_\_\_

Digitally signed by  
Terry Moore  
Date: 2020.11.30  
15:09:17 -05'00'

Terry Moore – METCO (OMID)

DATE: 11/30/20

REQUESTOR NOTIFIED: YES ☒ NO ☐

GLWA NESPS IMPACTS?: YES ☐ NO ☒

GLWA NESPS NOTIFIED?: YES ☒ NO ☐

**Agenda Item No. 6**

Budget and Flow Allocations for  
Rate Year 2021/2022



## Oakland-Macomb Interceptor Drain Drainage District

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**TO:** Mike Gregg, Chairman  
Oakland-Macomb Interceptor Drain Drainage District (OMIDDD)

**FROM:** Brian Coburn, Chief Engineer WRC  
Stephen Downing, Construction & Maintenance Manager MCPWO

**SUBJECT:** Rate Year (RY) 2021/22 Budget Recommendation

**DATE:** March 17, 2021

Staff of the Macomb County Public Works Commissioner's Office and the Oakland County Water Resources Commissioner's Office recently met to discuss the budget, cost allocation, and capital improvement plan for the upcoming rate year. Staff recommends that the Board approve the proposed sewer charges contained herein for the rate year beginning July 1, 2021.

The main elements of the proposed budget and sewer charges are as follows:

- 1) The Great Lakes Water Authority (GLWA) is proposing an increase of 0.1% in sewer charges to OMIDDD.
- 2) The proposed operation and maintenance budget includes a decrease of 0.1% (see Exhibit A)
- 3) The proposed revenue requirement for FY22 will remain the same as FY21.
- 4) The method for determining the split between Oakland and Macomb was approved on March 20, 2019 and will remain in place through RY 2024/25 unless the Board decides to modify the methodology identified below:
  - a. GLWA common-to-all and OMIDDD operations and maintenance costs are allocated based on the nine-year rolling average as shown in Exhibit B. This year's allocation is 31.99% Clinton Oakland Sewage Disposal System (COSDS) and 68.01% to the Macomb Interceptor Drain Drainage District (MIDDD).
  - b. GLWA's Combined Sewage Overflow Program is allocated 39.48% to COSDS and 60.52% to MIDDD per the 1999 Rate Settlement Agreement.
  - c. Capital Improvement Reserve contributions are allocated based on the current GLWA Contract Capacity split of 33.10% for the COSDS and 66.90% for the MIDDD.
- 5) The budget proposes to fund \$750,000 of major maintenance work and \$9,000,000 of capital improvements from the OMIDDD operation and maintenance fund, in addition to projects that are not revenue financed (see Exhibit C).

**Recommended Action:** Approve the proposed operating budget (Exhibit A), cost allocation (Exhibit B), and the Capital Improvement Program (Exhibit C) for the rate year beginning July 1, 2021, as presented.

Effective July 1, 2021

# Exhibit A

## Annual Operating Charges

	Current 2021 Budget	2022 Budget	COSDS %	MIDD %	Annual COSDS	Annual Macomb	Monthly COSDS	Monthly MIDD
<u>GLWA</u>								
Common-to-all and OMIDDD Charges		\$ 68,078,500	31.99%	68.01%	\$ 21,778,312	\$ 46,300,188		
CSO Program		1,677,300	39.48%	60.52%	662,198	1,015,102		
Total	69,703,800	69,755,800			22,440,510	47,315,290	\$ 1,870,042.50	\$ 3,942,940.83
<u>OMIDDD</u>								
Operations and Maintenance Expense								
Sewer System Maintenance	1,583,750	1,078,400	31.99%	68.01%	344,980	733,420		
Sewer System Engineering	15,360	52,210	31.99%	68.01%	16,702	35,508		
Pump Maintenance Unit	1,767,270	2,191,860	31.99%	68.01%	701,176	1,490,684		
Systems Control Unit	110	260	31.99%	68.01%	83	177		
Mapping Unit	1,900	2,070	31.99%	68.01%	662	1,408		
Miss Dig	370	360	31.99%	68.01%	115	245		
General and Administrative	124,240	63,090	31.99%	68.01%	20,182	42,908		
Subtotal	3,493,000	3,388,250			1,083,900	2,304,350	90,325.00	192,029.17
Non Operating	-	-	31.99%	68.01%	-	-	-	-
Major Maintenance	1,000,000	1,150,000	31.99%	68.01%	367,885	782,115	30,657.08	65,176.25
Emergency Maintenance	500,000	500,000	31.99%	68.01%	159,950	340,050	13,329.17	28,337.50
Capital Improvement	862,980	756,400	33.10%	66.90%	250,368	506,032	20,864.00	42,169.33
Subtotal	2,362,980	2,406,400			778,203	1,628,197		
O&M Non-Rate Revenue	(209,750)	(200,420)	31.99%	68.01%	(64,114)	(136,306)	(5,342.83)	(11,358.83)
<b>FY 2022 Total Fixed Charges</b>	<b>\$ 75,350,030</b>	<b>\$ 75,350,030</b>			<b>\$ 24,238,499</b>	<b>\$ 51,111,531</b>	<b>2,019,874.92</b>	<b>4,259,294.25</b>

Capital Improvements are defined as investments that are made to assets that exceed \$5,000 and increase the useful life of assets by five years or more.

Debt Service*		
2010A mfa 5368-02	1,673,375	1,671,500
2010B	-	-
2011A mfa 5368-02	1,624,125	1,624,750
2013A mfa 5368-03	3,954,200	3,954,400
2014A	469,694	468,344
2015A mfa 2001-01	542,750	543,625
2019 refunding	433,848	437,280
2019 revenue	2,291,947	1,069,018
2020A	2,574,684	3,278,650
2022 Issuance Projected Debt**	-	392,900
Total Debt Service	13,564,623	13,440,466
<b>Total OMIDDD Related Revenue Requirements</b>	<b>88,914,653</b>	<b>88,790,496</b>

\* Estimated annual debt service from 20/21 budget updated March 2021

\*\* 2022 Issuance Projected Debt assumes half a year of debt service recovery in 2022 (\$12,250,000 principal, 20 years, 2.5% interest rate)

# Oakland-Macomb Interceptor Drain Drainage District

Rate Year (RY) 2021/22 Budget

February 11, 2021

Effective July 1, 2021

## Exhibit B

### Flow Data

Year	Fiscal Year	OMID FMWG Flows		DWSD Rate Simplification Flows		OMIDDD Allocation Flows	
		COSDS (cfs)	Macomb (cfs)	COSDS (cfs)	Macomb (cfs)	COSDS (cfs)	Macomb (cfs)
1	FY1112	33.25	71.00	32.44	68.00	32.85	69.50
2	FY1213	29.89	62.82	NA	NA	29.89	62.82
3	FY1314	30.74	64.80	NA	NA	30.74	64.80
4	FY1415	29.74	64.76	NA	NA	29.74	64.76
5	FY1516	29.36	65.08	NA	NA	29.36	65.08
6	FY1617	30.63	66.50	NA	NA	30.63	66.50
7	FY1718	34.05	69.60	NA	NA	34.05	69.60
8	FY1819	34.05	69.60	NA	NA	34.05	69.60
9	FY1920	32.51	70.79	NA	NA	32.51	70.79
		9-Yr Average				31.54	67.05
		Percent				31.99%	68.01%

1. All annual flows are based on the average of 12 months of flow (the average is not proportioned based on the actual days of each month)
2. COSDS Flows for fiscal years FY1112 thru FY1415 include a 30% adjustment to account for diversion to Pontiac WWTP. COSDS Flows for fiscal years FY1516 & FY1617 are based on measured flow which includes actual diversion to Pontiac
3. Due to a catastrophic failure at the Clinton River Water Resource Recovery Facility (COSDS's non-OMID outlet), COSDS delivered more than 70% of its flow to OMID in FY1718. For the FY1920 calculations, the actual FY1718 COSDS-to-OMID flow was replaced with a COSDS-to-OMID flow adjusted to equal 70% of the total COSDS flow. The adjustment was made to reflect the intent to deliver 70% of COSDS flow and minimize rate volatility. In FY1819, COSDS offset the high FY1718 COSDS-to-OMID flow with a low FY1819 COSDS-to-OMID flow. With the actual flows from these two years paired, volatility is minimized and the intent to deliver 70% of COSS flow is reflected. Therefore, the FY1718 actual COSDS-to-OMID flow is used for the FY2021 calculations instead of the FY1718 adjusted COSDS-to-OMID flow.
4. In FY1718 and FY1819, there was volatility in the flow delivered from COSDS to OMID (see note 3 for details). When paired, these two years offset each other and the volatility is mitigated. The OMID rates are based on a rolling 9-year average flow rate. In Rate Years 2829 and 2930, these volatile years will roll off the average, which will create volatility in the average. To reduce this future volatility, the COSDS-to-OMID flows and MIDDD flows for FY1718 (COSDS = 37.74 cfs, MIDDD = 67.29 cfs) and FY1819 (COSDS = 30.35 cfs, MIDDD = 71.90 cfs) have both been replaced with the average for these two years (COSDS = 34.045 cfs, Macomb = 69.595 cfs).

**EXHIBIT C**  
**OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT**  
**PLANNED CAPITAL AND MAJOR MAINTENANCE WORK**  
**March 17, 2021**

**Maintenance Reserve (Fund 82912)**

Project No.	Project Description	2020 Actual	2021 Projected and Expended	2022 Proposed
	Beginning Maintenance Reserve Balance		\$3,311,542	\$1,231,542
	<b>Total Maintenance Reserve Revenue</b>	<b>\$700,000</b>	<b>\$1,000,000</b>	<b>\$1,150,000</b>
1-2842	NESPS Operational Transition	\$113,816	\$200,000	\$0
1-3014	NESPS Emergency Contingencies Project	\$5,163	\$180,000	\$0
1-3015	OMID Immediate Repairs Project	\$47,278	\$2,300,000	\$0
N/A	CCTV Inspection	\$0	\$250,000	\$250,000
N/A	PLC Replacement at NESPS Generator	\$0	\$150,000	\$0
N/A	NEXGEN (Asset Management) Implementation	\$0	\$0	\$0
N/A	Generator Tank Paint/Gas Line Modifications	\$0	\$0	\$0
NEW	Wet Well Cleaning	\$0	\$0	\$500,000
	<b>Total Maintenance Reserve Expenses</b>	<b>\$166,258</b>	<b>\$3,080,000</b>	<b>\$750,000</b>
	Ending Maintenance Reserve Balance	\$3,311,542	\$1,231,542	\$1,631,542

**Capital Reserve (Fund 82912)**

Project No.	Project Description	2020 Actual	2021 Projected and Expended	2022 Proposed
	Beginning Capital Reserve Balance		\$2,277,657	\$8,108,521
	<b>Total Capital Reserve Revenue</b>	<b>\$5,981,197</b>	<b>\$862,980</b>	<b>\$756,400</b>
1-3016	OMID Flow Control Improvements	\$300,734	\$500,000	\$1,500,000
1-3017	NESPS Security Upgrades	\$7,708	\$0	\$0
1-3018	NESPS Drywell Elevator Upgrades	\$91,957	\$175,000	\$0
1-3019	OMID NIEA Sewer Rehabilitation Design	\$2,156,941	(\$2,236,913)	\$0
1-3020	NESPS Mechanical and Electrical Upgr/Design	3740100.8	(\$3,905,972)	\$0
N/A	OMID PCI-7 Bypass Feasibility Analysis	0	\$0	\$450,000
N/A	Pipe Lining PCI-7	0	\$0	\$1,000,000
N/A	Hydrogen Sulfide Mitigation in OMID/NI-EA	0	\$500,000	\$5,500,000
NEW	MIDDD Segment 5-OMID Portion	0	\$0	\$562,500
	<b>Total Capital Reserve Expenses</b>	<b>\$6,297,441</b>	<b>(\$4,967,884)</b>	<b>\$9,012,500</b>
	Ending Capital Reserve Balance	\$2,277,657	\$8,108,521	(\$147,579)

**Emergency Maintenance (Fund 82912)**

Project No.	Project Description	2020 Actual	2021 Projected and Expended	2022 Proposed
	Beginning Capital Reserve Balance	\$0	\$125,000	\$625,000
	<b>Total Capital Reserve Revenue</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$500,000</b>
	No Planned Work			
	<b>Total Capital Reserve Expenses</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>
	Ending Capital Reserve Balance	\$125,000	\$625,000	\$1,125,000

**Summary of Reserve Balances (Fund 82912)**

Reserve	2020 Actual	2021 Projected and Expended	2022 Proposed
Undesignated	\$10,681,685	\$10,681,685	\$10,681,685
Major Maintenance	\$3,311,542	\$1,231,542	\$1,631,542
Emergency Maintenance	\$125,000	\$625,000	\$1,125,000
Capital	\$2,277,657	\$8,108,517	(\$147,583)
<b>Net Position</b>	<b>\$16,395,884</b>	<b>\$20,646,744</b>	<b>\$13,290,644</b>
30% of the Operations and Maintenance Budget		\$21,959,040	\$21,943,215



### Current Construction Funds 2/18/21

			Remaining Funds
Project No.	Project Description	Construction Fund	Committed for Capital Projects (In-
1-2892	Odor Corrosion Study	84912-Segment 1	\$0
1-1557	Interceptor Segment 3	84914-Segment 3	\$0
1-1913	Interceptor Segement 4	84915-Segment 4	\$159,794
1-2041	NESPS Pump Install	84915-Segment 4	\$7,979
1-2232	NESPS Gatehouse	84915-Segment 4	\$26,798
1-2708	NESPS Odor/Corrosion Project	84915-Segment 4	\$11,610
<b>Total Remaining Expense in Construction Funds</b>			<b>\$206,181</b>

### Current and Future Bonded Projects Through 2022

Project No.	Project Description	Bond Timing	Project Estimate
<b>1-3308</b>	NESPS Mechanical and Electrical Construction	Fall 2020	\$54,086,000
<b>1-3309</b>	NIEA Phase I/II First Bond	Fall 2020	\$28,395,600
<b>1-3308&amp;1-3309</b>	NESPS-NI-EA Related Additional Scope	Fall 2020	\$1,518,400
<b>NEW</b>	NIEA Phase II Bond	Fall 2021	\$7,000,000
<b>NEW</b>	Pump 4 VFD Replacement	Fall 2021	\$1,200,000
<b>NEW</b>	25 ton Crane Roof/Upgrades	Fall 2021	\$1,500,000
<b>NEW</b>	New OMID NESPS Gate controls	Fall 2021	\$50,000
<b>NEW</b>	NESPS Wet Well Elevator	Fall 2021	\$1,000,000
<b>NEW</b>	NESPS Wet Well Divider Gate	Fall 2021	\$1,000,000
<b>NEW</b>	NESPS Wet Well Gas Heaters	Fall 2021	\$500,000
<b>Total Future 2020-2021 Bonded Projects</b>			<b>\$96,250,000</b>

**Agenda Item No. 7**

Engineering Work Order



## **Oakland-Macomb Interceptor Drain Drainage District**

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

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

**SUBJECT: NTH EWO for 2021 PACP Inspection of the Unlined Segments of the  
OMID System and MACP inspection of All OMID Manholes**

**DATE: March 17, 2021**

A Pipeline Assessment Certification Program (PACP) inspection of the complete OMID system was last performed on 2018 by Doetsch Environmental Services (Doetsch) and NTH Consultants (NTH). The effort was part of a scope extension from an initial warranty inspection of the Hobas-lined pipe sections JayDee Contractors installed in the OMID. The OMID asset management program developed in 2018 recommends PACP inspection of the OMID according to the following frequencies:

- Every three years for unlined pipe segments
- Every six years for the control structures
- Every nine years for lined pipe segments

Based on the above program, the unlined portions of the OMID are due to be inspected in 2021. (Note that the control structures were evaluated as part of the 2018 Asset Management Program Report and currently do not need inspection.) Due to the complex access requirements, particularly upstream of Control Structure No. 8, very few vendors can perform this work. There is also a desire to complete this work ahead of daily flow control requirements starting in July 2021 by both Marra Services on the NI-EA OMID Contract No.1: PCI-4 Rehabilitation Project and Oscar Renda Contracting on the Macomb Interceptor Drain Drainage District Segment 5 Lining Project. Since both Doetsch and NTH's team have proven, effective capability of performing inspections of the system, and they have the availability to complete the work given the time constraints, we believe it is prudent for them to conduct the 2021 inspection.

NTH has developed the attached proposal, dated March 8, 2021 detailing their inspection plan for the unlined portions of the OMID system, including both Doetsch and FK Engineering. Please note that the proposal has offered an inspection of the lined portions of the OMID as an alternate additional option that would result in an overall discounted price per foot rate. However, we believe inspection of these segments are currently unnecessary and consequently are unable to justify the additional cost. The proposal also recommends that manhole inspection of all OMID manholes be performed according to Manhole Assessment Certification Program (MACP) procedures. As manhole inspections have not been performed on the system before, we support this recommendation.

March 17, 2021

The total cost for this work is \$526,974 and is expected to take approximately 60 days. An Engineering Work Order has been created for this amount and scope for OMIDDD Board approval. NTH and Doetsch can begin to work on this effort beginning in April 2021.

**Requested Action: Approve the attached Engineering Work Order to increase contract #2603 by a not-to-exceed amount of \$526,974 to provide PACP inspection of the unlined portions of the OMID System and MACP inspection of all OMID manholes.**

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

One Public Works Drive

Phone: (248) 858-0958

Waterford, Michigan 48328-1907

No. -

**ENGINEERING WORK ORDER**FOR: PACP inspection of Unlined OMID reaches and MACP Inspection of All ManholesAmendment to Contract #2603 For Additional Engineering ServicesTO: NTH Consultants, Ltd.DATE: 3/8/21**DESCRIPTION****Section A-Engineering Services and Section C Compensation for Engineering Services, Item No. Additional Special Services and Exhibit D – Estimated Fees**

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the Pipeline Assessment Certification Program inspection of the unlined portions of the OMID, and Manhole Assessment Certification Program inspection of all OMID manholes that falls under the aforementioned sections of contract #2603. This EWO serves as your approval for compensation of the following additional services as delineated in your attached March 8, 2021 proposal.

- CCTV inspection with PACP documentation for the unlined sections of OMID between Control Structure CS-8 and North East Sewage Pumping Station (NESPS), corresponding to 32,300 lineal feet within sections of PCI-6, 7, and 8.
- PACP inspection of approximately 48,600 lineal feet of unlined sections of sewers in PCI-11A, PCI-10B/A, and PCI-9. Note, in PCI-11A, 5,550 liner feet of the sewer is lined. The reaches of PCI-9 and PCI-10B/A will be inspected with a raft mounted pan and tilt CCTV camera. PCI-11A will be inspected using a tractor mounted Pan and Tilt CCTV camera. The depressed sections between approximate Sta. 54+00 and Sta. 58+00, lined during the OMID Contract 6 project, is not included in the scope.
- System Wide Manhole Inspection: As part of the inspection, Doetsch will perform a CCTV inspection of the existing manholes on the OMID system. This inspection will cover approximately 103 manholes, which are located in PCI-5, PCI-6, PCI-7, PCI-8, PCI-9, PCI-10A/B, and PCI-11A. Manhole inspections will be performed using a digital camera with sidewall scanning capabilities. Based on inspection production rates from 2018, the inspection services for the manholes in the OMID system will take approximately 16 days to complete.
- The CCTV inspection of the sewer pipes and manholes will utilize a digital video camera and will be documented and recorded in digital format and files will be provided on a portable hard drive in accordance with the NASSCO PACP/MACP guidelines. The defects in the sewers and manholes will be rated in accordance with NASSCO requirements to determine the type and severity of each defect. The data would be recorded using NASSCO approved software and submitted to the OMIDDD.

**JIM NASH****OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

Page 1 of 2

10/1/13



**DESCRIPTION (Continued)**

- The Engineer will coordinate with necessary parties and OMID Flow Control Manager (working for the Owner) to provide as needed flow control services during inspection.
- After the inspection, NTH is to prepare an inspection report detailing findings, evaluation, and recommendations along with rating of the OMID system based on standardized PACP/MACP codes that can be directly incorporated into the OMID asset management plan. This report will include PACP/MACP reports from Doetsch as backup documents.

The associated fees for the above tasks are \$526,974

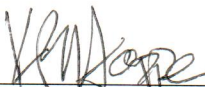
**Fees for this Engineering Work Order shall be billed on a time and material basis according to the contract standard fee and rate schedule as modified by your proposal. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$526,974. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.**

**PREPARED****DATE:** 3/9/21

By: Joel Brown, P.E.  
Asst. Chief Engineer  
OCWRC

**RECOMMENDED****DATE:** 3/9/2021

By: Stephen Downing  
Construction and Maintenance Manager  
MCPWO

**ACCEPTED****DATE:** 09 MARCH 2021

By: Kevin B. Hoppe, P.E.  
Chairman  
NTH Consultants, Ltd.

**APPROVED****DATE:** 3/11/2021

By: Sid Lockhart, P.E.  
Special Projects Manager  
OCWRC

**Approved by Drainage Board on:** \_\_\_\_\_



**NTH Consultants, Ltd.**

Infrastructure Engineering  
and Environmental Services

41780 Six Mile Road, Suite 200  
Northville, MI 48168  
248.553.6300  
248.324.5179 Fax

Oakland Macomb Interceptor Drain Drainage District c/o: March 8, 2021  
Mr. Joel Brown, P.E. NTH Proposal No. 61-210124  
Assistant Chief Engineer  
Office of the Oakland County Water Resources Commissioner  
One Public Works Drive, Building 95 West  
Waterford, MI 48328-1907

Mr. Stephen Downing  
Construction and Maintenance Manager  
Office of Macomb County Public Works Commissioner  
21777 Dunham Road  
Clinton Township, MI 48036-1005

RE: OMID System Inspection Engineering Services  
Oakland Macomb Interceptor Drain  
Macomb, Oakland, and Wayne Counties, Michigan

Dear Messrs. Brown and Downing:

In accordance with our recent discussions, we are pleased to submit this proposal to provide Construction Contract Administration (CCA) services during the Oakland Macomb Interceptor Drain (OMID) 2021 system inspection. This proposal has been prepared based on the scope of services developed during our recent meetings, recommendations presented in the 2018 OMID System Inspection Report and the November 30, 2018 OMID Asset Management Plan (AMP), as well as our experience working in the OMID system. As you are aware, the OMID AMP contains a recommended inspection cycle for various components of the OMID system. In general, the inspection cycle is split between recommended 3-year, 6-year, and 9-year inspection cycles depending on the system component. The last system wide inspection of the interceptor tunnel and manholes was completed 3 years ago in 2018; and in accordance with the AMP, the next inspection is due in 2021. Moreover, based on the ongoing MID Segment 5 flow control requirements as well as the upcoming NI-EA Contract No. 1 project flow control schedule, the best opportunity to perform the inspection is from now through July 2021.

The following sections detail the proposed 2021 inspection scope, anticipated duration of inspection, and professional fees for a Contractor specializing in CCTV inspections and the Engineer's efforts to provide CCA and inspection reporting services for the 2021 OMID system inspection.

## **SCOPE OF SERVICES**

Based on the current Draft AMP, the currently due inspection is to consist of all unlined portions of the OMID system (approximately 80,900 lineal feet), as well as all 103 manholes in the system.



As part of the sewer inspection services, the engineering team comprised of NTH and FK Engineering will coordinate with a Doetsch Environmental Services to inspect the reaches of sewer described more specifically below under the observation of an Engineer experienced in the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program (PACP) and Manhole Assessment and Certification Program (MACP):

- *PCI-5, 6, 7, and 8 Interceptor Inspection:* The recommended 2021 inspection scope includes performing a CCTV inspection with PACP documentation for the unlined sections of OMID between Control Structure CS-8 and North East Sewage Pumping Station (NESPS), corresponding to 32,300 linear feet within sections of PCI-6, 7 and 8. Please note, between CS-8 and NESPS, approximately 26,600 linear feet of the interceptor is lined using Hobas Pipe under OMID Contract No. 4 project. Although not part of the previously recommended 3-year inspection, if OMIDDD desires, these lined sections could also be inspected in 2021 using manned-entry camera techniques. Based on inspection production rate from 2018, the PACP tunnel inspection between CS-8 and NESPS is expected to take between 10 and 20 days to complete, depending on if lined sections are included.
- *PCI-9, 10A/B, and 11 Interceptor Inspection:* The recommended 2021 inspection scope includes performing a CCTV inspection with PACP documentation of the Oakland Arm between Meter OC-S-2 and CS-8 (PCI-9 and 10A/B) and the Avon Arm Interceptor between Meter RC-S-2 and Manhole PCI-11-101 (PCI-11A). This inspection will cover approximately 48,600 linear feet of unlined sections of sewers in PCI-11A, PCI-10B/A, and PCI-9. Please note, in PCI-11A, 5,550 liner feet of the sewer is lined. The reaches of PCI-9 and PCI-10B/A will be inspected with a raft mounted pan and tilt CCTV camera. PCI-11A will be inspected using a tractor mounted Pan and Tilt CCTV camera. The depressed sections between approximate Sta. 54+00 and Sta. 58+00, lined during the OMID Contract 6 project, is not included in this scope due to the cost associated with by-pass pumping, and the fact that this section is always submerged, which typically results in less deterioration. Based on the inspection production rate from 2018, we expect the PACP inspection for the interceptor sections upstream of CS-8 will take approximately 32 days to complete.
- *System Wide Manhole Inspection:* As part of the inspection, Doetsch will perform a CCTV inspection of the existing manholes on the OMID system. This inspection will cover approximately 103 manholes, which are located in PCI-5, PCI-6, PCI-7, PCI-8, PCI-9, PCI-10A/B, and PCI-11A. Manhole inspections will be performed using a digital camera with sidewall scanning capabilities. Based on inspection production rates from 2018, we expect the inspection services for the manholes in the OMID system will be take approximately 16 days to complete.
- The CCTV inspection of the sewer pipes and manholes would utilize a digital video camera and will be documented and recorded in digital format and files will be provided on a portable hard drive in accordance with the NASSCO PACP/MACP guidelines. The defects in the sewers and manholes will be rated in accordance with NASSCO requirements to determine the type and severity of each defect. The data would be





recorded using NASSCO approved software and submitted to the OMIDDD. The use of PACP/MACP guidelines would allow for evaluation and rating the pipe based on standardized codes that can be directly incorporated into the OMID asset management plan.

- For costing purposes, we assumed Doetsch will be working under NTH and will be responsible to provide traffic control as needed to access the sewer and manholes, including a ramp closure on M-59. The construction administration team will provide necessary CCA services including a full-time inspector with the Contractor's CCTV crew during inspection.
- The Engineer will coordinate with necessary parties and OMID Flow Control Manager (working for the Owner) to provide as needed flow control services during inspection. This scope does not include inspection of existing control structures.
- After the inspection, NTH will prepare an inspection report detailing our findings, evaluation, and recommendations along with rating of the OMID system based on standardized PACP/MACP codes that can be directly incorporated into the OMID asset management plan. This report will include PACP/MACP reports from Doetsch as backup documents.

## PROFESSIONAL FEES

Based on the assumptions and proposed scope of services described above, our estimated fees for the two options are given below. Fees for our services will be charged on a cost-plus fixed fee basis with a not-to-exceed budget in accordance with the attached work plan following the 2009 Contract with the OMIDDD Board.

### Option No.1: Inspect Entire OMID Interceptor (113,050 liner feet)

Doetsch Sewer Inspection Services	\$ 507,071
Engineer Sewer Inspection CCA Services	\$ 125,094
<hr/>	
Total	\$ 632,165
<hr/>	

### Option No. II: Inspect Unlined Sections of the Interceptor (80,900 liner feet)

Doetsch Sewer Inspection Services	\$ 416,273
Engineer Sewer Inspection CCA Services	\$ 110,702
<hr/>	
Total	\$ 526,974
<hr/>	



Messrs. Brown and Downing  
March 8, 2021

## TERMS AND CONDITIONS

Our services under this task will be in accordance with the terms and conditions of our existing 2009 contract with the OMID Drainage District Board. We understand that if this proposal is acceptable to OMIDDD, that the work will be authorized in a forthcoming Engineering Work Order.

We appreciate this opportunity to be of further service to the OMIDDD Board. If you have any questions with respect to this proposal, please do not hesitate to call us.

Sincerely,

NTH Consultants, Ltd.

A handwritten signature in blue ink, appearing to read 'Joel Schanne', is positioned above the name and title of the Project Engineer.

Joel Schanne, P.E.  
Project Engineer

A handwritten signature in blue ink, appearing to read 'Saju Sachidanandan', is positioned above the name and title of the Senior Principal Engineer.

Saju Sachidanandan, P.E.  
Senior Principal Engineer

JS/SS/mam

Attachments

cc: Sidney Lockhart, P.E. - OCWRC  
Fritz Klingler, P.E. – FK Engineering

## PROJECT FEE ESTIMATING SHEET

Client Name: OMIDDD

Markup on Labor:	12.0%
Markup on Subs	5.0%
Markup on Expenses	5.0%

[illegible]

## PROJECT FEE ESTIMATING SHEET

Project Description: OMID Inspection Services (Unlined Section Only)

Markup on Labor:	12.0%
Markup on Subs	5.0%
Markup on Expenses	5.0%

[illegible]

## **Agenda Item No. 8**

### 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**

**Regular Construction Estimate No. Five**

**Page One of Two**

**Feb. 01, 2021 through Feb. 28, 2021**

Department No.:	6010101	Account No.:	731472
Fund No.:	84917	Program No.:	149015
Project No.:	1-3309	Activity:	FAC
<b>Construction Manager at Risk:</b>	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		

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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)
<b>NESPS Pump &amp; Elec. Upgrades Original Contract Budget</b>	<b>\$39,612,067.46</b>
Change Orders, This Estimate: (C.O. # 9 )	\$180,105.13
Previous Change Orders: (C.O. # 7 & 8 )	\$121,100.98
Unused Pre-Construction Phase Budget	\$70,196.70
<b>Adjusted Construction Contract Amount:</b>	<b>\$39,983,470.27</b>
<b>Sub-Total To Date: (CS-9 Costs are Not included on this Estimate)</b>	<b>\$5,356,067.17</b>
Less Deductions:	None
Gross Estimate: (Work in Place) Complete = 13.4%	\$5,356,067.17
Less Amount Reserved (10%)	\$535,606.72
Total Amount Allowed To Date:	\$4,820,460.45
Less Previous Estimates:	\$4,294,482.96
Current Payment Due	\$525,977.49
Reserve Payment to Contractor: None	\$0.00
Balance to Finish: \$34,627,403.10	Accounting Auditor:
<b>Amount To Be Reserved (From Above)</b>	<b>\$535,606.72</b>
Less Previous Transfers To Reserve (N/I C-9 Reserve)	\$477,164.77
<b>Amount of Current Transfer</b>	<b>\$58,441.95</b>

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

Regular Construction Estimate No. Five  
Page Two of Two

Feb.01, 2021 through Feb. 28, 2021

Prepared by: Lawrence T. Gilbert

Date: MARCH 23, 2021

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

Recommended by: John Michalski

Date: 3/4/2021

John Michalski, P.E., ASI

Recommended by: Joel Brown

Date: 3/5/21

Joel Brown, P.E. Oakland County WRC

Recommended by: Stephen Downing

Date: 3/5/2021

Stephen Downing; Macomb County OPWC

Approved for Payment by: Sid Lockhart

Date: 3/8/2021

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

Regular Construction Estimate No. 5 ( Feb., 2021)

Approved By Board On: \_\_\_\_\_

**OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD**  
**For Construction of the Control Structure 9 Gate Installation**  
**Located in the City of Warren, Macomb County, Michigan**  
**Project ID 1-3308**

Regular Construction Estimate No. 3 (CS-9 Gate Installation)

Feb. 01, 2021 through Feb. 28, 2021

Department No.: 6010101  
Fund No.: 84917  
Project No.: 514263

Account No.: 730352  
Program No.: 149015  
Activity: FAC

Construction Manager at Risk,  
Walsh Construction Co.  
3031 West Grand Boulevard, Suite 640  
Detroit, MI 48202

Vendor # 23191

LI 43331; exp. 12/16/22

Date of Contract: Dec. 16, 2019

Final Completion Date: July 28, 2023

Contract No. 5977

Original Construction Contract Amount: ( CS-9 Gate Gate Installation)	\$3,251,117.72
Previous Change Orders:	\$0.00
Change Orders This Estimate: C.O. CS-9- One	\$7,929.16
Total Net Change Orders:	\$7,929.16
Adjusted Contract Amount:	\$3,259,046.88
Sub-Total To Date: (CS-9 Charges only are included on this Estimate)	\$386,580.53
Less Deductions:	None
Gross Estimate: (Work in Place) 11.9 % Complete	\$386,580.53
Less Amount Reserved (10%)	\$38,658.05
Total Amount Allowed To Date:	\$347,922.48
Less Previous Estimates: Paid under NESPS Pump-Elec. Upgrade App # 2	\$340,786.23
Net Payment Request To Be Paid To Contractor:	\$7,136.25
Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$ 2,872,466.35	Accounting Auditor:
Amount to be Reserved from Above	\$38,658.05
Less Previous Transfers To Reserve:	\$37,865.14
Amount of Current Transfer	\$792.91

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

Date: 3-3-2021

Recommended by: Saju Sachidanandan  
Saju Sachidanandan, P. E.

Date: March 4, 2021

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

Date: 3/5/21

Recommended by: Stephen Downing  
Stephen Downing; Macomb County OPWC

Date: 3/5/2021

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

Date: 3/8/2021

Regular Construction Estimate No. 3 (CS-9 Gate Installation)

Approved By Board On: \_\_\_\_\_



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

Regular Construction Estimate No. 2 ✓

1/24/2021 to 2/21/2021 ✓

Department No.: 6010101  
Fund No.: 82912  
Project No.: 1-3015

Account No.: 730373  
Program No.: 149662  
Activity: FAC

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

Contract No. : 5928  
Date of Contract: July 8, 2020  
Completion Date: January 1, 2021  
Extended to: July 24, 2021

Original Contract Amount:		\$1,352,801.00	✓
Previous Change Order:	C.O. # 1 & C.O. # 2	\$249,165.00	✓
Change Orders This Estimate:	C.O. # 3	(\$12,900.00)	
Total Net Change Orders:		\$236,265.00	
Adjusted Contract Amount:		\$1,589,066.00	

Subtotal To Date: (Sheet 2 of 2 Column 7) \$795,580.50

Less Deductions to Date: (Sheet 2 of 2 Column 7) \$0.00

Gross Estimate: (Work in Place) 50.07% \$795,580.50

Less Amount Reserved: (10% of 1/2 Adjusted Contract Amount) \$79,453.30 ✓

Total Amount Allowed To Date: \$716,127.20

Less Previous Estimates: \$293,318.82 ✓

Net Payment Request To Be Paid To Contractor: \$422,808.38 ✓

Reserve Payment to Contractor \$0.00

Balance of Contract To Date ✓ \$793,485.50 Accounting Auditor: *jlb* 3/2/21

Amount To Be Reserved (From Above) \$79,453.30

Less Previous Transfers To Reserve: \$32,590.98 ✓

Amount of Current Transfer: \$46,862.32

Prepared by: *Evangelos Bantios*  
Evangelos Bantios, P.E. - Oakland County WRC

Date: 3-2-2021

Recommended by: *Joel Schanne*  
Joel Schanne, P.E. - NTH Consultants, Ltd.

Date: 3-3-2021

Recommended by: *Stephen Downing*  
Stephen Downing - Const. & Maint. Manager, MCOPWC

Date: 3-3-2021

Approved by: *Sid Lockhart*  
Sid Lockhart, P.E. - Special Project Manager, OCWRC

Date: 3-3-2021

**Agenda Item No. 9**

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

# Oakland Macomb Interceptor Drain (OMID) Repairs

## Project Progress Update

Prepared by:

F. Klingler, P.E., B. Kelly, P.E., FK Engineering Assoc.  
S. Sachidanandan, P.E., L. Gilbert, P.E., NTH Consultants, Ltd.  
J. Michalski, P.E., Applied Science, Inc.; T. Moore, Metco  
J. Matteo, P.E., Jacobs Engineering, Inc.

### March 17, 2021 OMIDDD Board Meeting

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The following provides a status update as of the writing of this report (March 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 (No Contract Number) – Ongoing, to be completed in April 2021:

Engineering Consultant: Jacobs

##### Project Budget Summary (including EWO No. 2):

- |  |              |
|--|--------------|
| • Adjusted Project Budget (including Fan Testing Allowance of \$60,000): | \$531,447.00 |
| • Total Spent (through Feb. 2021):                                       | \$530,648.07 |
| • Remaining Budget (through Feb. 2021):                                  | \$798.93     |

##### Milestone Schedule Summary:

- Completed additional analyses and other work elements requested in EWO No. 2.
- Finalizing study report, including additional requested analyses; see below, pending findings at ST-S-3 metering site. Updated draft report to be presented in April 2021 Drain Board meeting.

##### Status of Major Project Tasks:

- Finalized WATS state-of-the-art sewer process model to reflect future lining and flow control operating conditions, including storage/release sequences for selected OMID repair reaches.
- Finalized the conceptual design of permanent vapor-phase and possible temporary liquid-phase odor/corrosion control alternatives.
- Updated study report based on results from separate fan test at Meter ST-S-3. Vapor-phase control facility will be 14,000-cfm. Layout and planning-level opinion of costs for both capital cost and life cycle costs were prepared.
- Conducted coordination meeting with both counties to review findings and recommendations. Preparing updated study report with site plans for each project location for upcoming presentation to Drain Board.

## March 17, 2021 OMIDDD Board Meeting

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### 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).

#### Contract 3-2E thru 3-2J (NESPS Gatehouse): Substantially 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.

East side Thnemec repairs are complete; west side repairs remain delayed as a result of various other work that has been ongoing. Recent inspection revealed that peeling of the coating is increased since last inspection (see photos below), and effort to repair will likely be increased. Efforts are in place to schedule this remaining work around current NESPS facility shutdowns and labor availability. The Segment 2, Contract 3 (Base Contract and Emergency Gatehouse Repairs) remains open pending completion of these repairs.



*West manifold Thnemec Coating Deterioration*



*West Manifold Close-up of end area*

## March 17, 2021 OMIDDD Board Meeting

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### **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 recently noted (see NIEA Contract 1 Summary)**

**NESPS Odor/Corrosion Mitigation Sys (No Segment or Contract No.)  
Construction Completed, Post-Construction Services Ongoing:**

**Engineering Consultant:** LG Design, Inc., subsidiary of Jacobs

**Prime Construction Contractor:** CSM Mechanical, LLC

#### **Project Budget Summary:**

- |   |                |
|---|----------------|
| • BioAir Solutions, LLC for Bio-Trickling Filter (BTF) Fabrication:           | \$816,570.00   |
| • CSM Mechanical, LLC (Original Contract Value):                              | \$3,783,390.00 |
| • CSM Mechanical, LLC (Adjusted Contract Value w/ CO No. 1 through CO No. 9): | \$4,192,686.74 |
| • CSM Total Earned, Less Retainage, through 12/31/2020 (Pay App No.16):       | \$4,145,042.00 |
| • CSM Balance to Finish w/ Retainage (PA No. 16, work through 12/31/2020):    | \$47,644.74    |
| • Jacobs Budget (Design and CA/RPR, per EWO No. 3):                           | \$1,272,470.46 |
| • Remaining Jacobs Budget (through Feb. 2021):                                | \$103,796.17   |

#### **Milestone Schedule Summary:**

- Notice-to-Proceed letter to CSM dated August 1, 2019.
- Interim Substantial Completion, per Contract Amendment, was April 18, 2020, with Final Completion of August 28, 2020. The actual Final Completion date was delayed due to COVID-19 issues and the addition of extra work items commencing late in the project but has been achieved as of December 23, 2020.

#### **Status of Major Project Tasks:**

- All major work is complete, Testing completed, and facility is in normal operating mode. Warranty issues with a BioAir Supply Fan are being addressed by the Contractor and unit supplier.
- Minor revisions are in progress to the MSA Air Monitoring Instrumentation system to eliminate the accumulation of condensate water from the system and avoid out of service issues and unnecessary maintenance tasks.



## March 17, 2021 OMIDDD Board Meeting

### NESPS & OMID Maintenance & Repairs Status:

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

**Schedule Status:** Ongoing

**Advance modifications to facilitate the “Emergency Contingency Plan” are underway to allow pumping in the event of total power loss at NESPS or other catastrophic failure in the system:**

- Plan to energize OMID Pump 4 in event of total power loss is complete; A demonstration of the portable generator was completed previously and start of work is pending.
- CSM (on site for other work) had installed a small concrete pad that will support electrical equipment for the Sewage Pump # 4 Emergency use procedure.
- Advanced emergency plan document to include pumping details and traffic control from pump out locations is preliminarily complete; awaiting completion of manhole and electrical modifications to finalize the document.
- Manhole modifications are underway with three substantially complete through March 2, 2021.



*Manhole modifications in progress*



**Additional work being performed under Metco Maintenance Contract for NESPS:**

- Wet well cleaning is complete (see photos below). Significant ragging within sediment accumulations delayed progress.
- Mechanical and Electrical corrective/preventative maintenance schedules continue to proceed without any problem.

## March 17, 2021 OMIDDD Board Meeting

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- DTE Metering potential transformer overheated on 3-3-21, requiring replacement by DTE service technician. No impact to operations or equipment.
- Future Sanitary Pump #3 Suction Knife Gate ready for installation. Area prep complete. Pre-task/safety discussions in progress.

### **Overall Station Performance Report:**

- Sanitary Pumps #1, #2, #4, #5, and #6 are available for duty. (640 CFS Capacity).
- Coordination between GLWA, MID, NESPS, Pump/Electrical Upgrade Project has not affected station operations nor hindered performance or abilities to meet demands.
- Sanitary Pump #5 damaged lower pump bearing refurbished and re-inventoried as spare.
- February monthly pump mechanical preventative maintenance completed.
- Service Elevator rehabilitation complete. 30-90 day temporary permit granted as punch list items are worked out.
- Wet Well Dewatering Pump has been restored and was returned and installed on Tuesday, December 16<sup>th</sup>, with full operational status confirmed.
- 25 Ton Crane Modernization (Controls Upgrade) Inspection completed Dec 10<sup>th</sup> Report on file. A proposal for repairs is currently under review, with a tentative start date for repair work of March 15, 2021.
- Stand-by Generator Programmable Logic Controller (PLC) upgrade complete.
- Knox Box emergency entry safety equipment received and ready for installation. (Detroit Fire Department approved and regulated).
- NEXGEN asset management project progressing well. Asset inventory and data collection progressing well.
- No odor complaints received since Oct 8<sup>th</sup> 2020.
- Bio Filter performance normal. Daily readings taken and recorded. Weekly data spreadsheet forwarded to Bio Air for review and discussion.
- Bio Filter Supply Fan #1 experienced a warranty related issue. Device was removed, repaired offsite, and has been returned for installation.
- Overall General Housekeeping tasks in order.

### **Control Structures Performance Report:**

- Daily flow control operations support MID/OMID/GLWA repair and improvement projects. All LOTO protocols implemented. No issues to report.
- CS-6, CS-7, and CS-8 in stand-by mode and ready for service.
- CS-5 is ready for service; however an issue with the nitrogen/oil accumulator is in need of repair
- System-wide communications are good.
- Routine daily rounds and inspection made no other maintenance issues to report at this time.

## March 17, 2021 OMIDDD Board Meeting

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*Wet Well cleaning in progress*



*Wet Well cleaning completed*



# March 17, 2021 OMIDDD Board Meeting

## OMID Control Structure Upgrades Status:

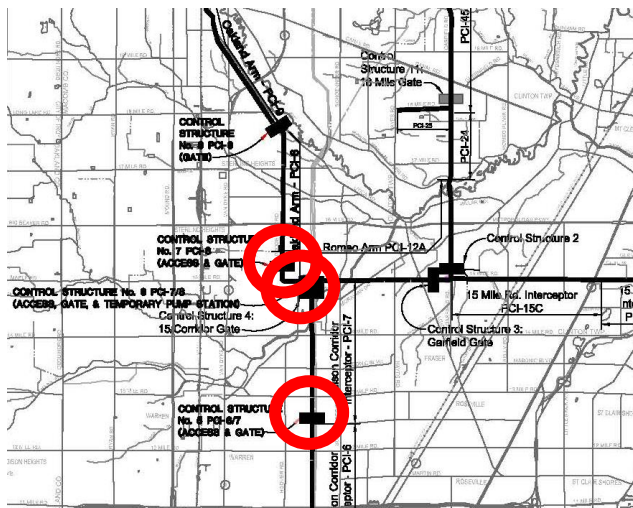
**Amt Invoiced:** \$69,772 Engineering services to date; Total design and construction budget currently established as \$500,000 (including contingencies and admin/legal).

**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 developed an inventory list of critical spare parts, and is evaluating long term operability, to estimate future life and predict schedule for potential future upgrades. OMID approved spare parts are beginning to arrive.
- There are currently no issues with system-wide communications after recent MCE upgrades and PLC implementation.
- Verification of the new gate-release logic will be conducted by ASI after several storage events are conducted. ASI will provide the confirmation. Storage events expected in March.

The line item schedule and budgets are summarized:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractors)	Estimated Delivery Date
9	PCI-5 Gate Repairs and final install of level sensors	TBD	TBD	3/31/2020
10	Substantial Completion of Hatch Construction	TBD	TBD	8/15/2020
11	Final Testing and Approval of PLC Mods	TBD	TBD	Feb 2021
12	Final Completion of Construction/Eval	\$61,687 (ASI/FKE)	\$440,000 (est.)	Feb 2021



OMID Control Structures Upgrade  
Project Locations (in red)

# March 17, 2021 OMIDDD Board Meeting

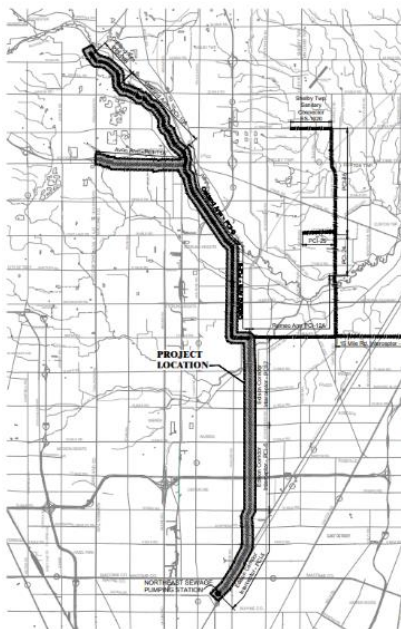
## OMID System Spot Repairs Status:

**Amt Invoiced:** \$58,703 out of original total design budget; Total design and construction budget currently is established as \$1,352,801 (including contingencies and admin/legal).

**Schedule and Progress Status:** Second round of bids were received on 11/6/19; awarded 11/20/19.

- Doestch Environmental was awarded the contract at the November 2019 Board Meeting; work delayed due to Covid and Contractor crew availability issues.
- Field work commenced with Contractor Mobilization and the start of manhole leak repairs in Nov 2020. Work through Feb is ongoing and ahead of schedule; finish expected by early April .
- The current **draft** line item schedule and budget for the OMID System Immediate Repair Project are summarized below:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
1	Field Investigations (Conducted under Warranty Repairs budget)	Part of AMP Project		10/01/2018
6	Contract Award and NTP			1/1/20
	Subtotal - Design	\$21,418		
7	Final Completion of Construction	\$66,122	\$1,352,801	6/5/20 (initial); 5/5/21 (estimated)



OMID Spot Repairs Project  
Location



Chemical grouting  
in PCI-10



Manhole step  
removal

## March 17, 2021 OMIDDD Board Meeting

### NIEA Repairs (Study and Design/Construction)

**Amt Invoiced:** \$1,871,231 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).

**Schedule Status:** Bids were received for PCI-4 rehabilitation project; additional field work and investigations are underway for PCI-18 & 19 rehabilitation project. PCI-18 & 19 design approximately 90% complete and GLWA concept review underway.

#### Contract 1

- A virtual Pre-Construction Meeting was held and the NTP has been issued.
- Easement agreements with GLWA for a Contractor Laydown area and with FCA (Chrysler) for an independent State Fair Ave. entrance roadway corridor are being finalized.
- The Contractor has started to mobilize. Submittal/RFI review is ongoing.
- An inspection of PCI-4 was performed in February, 2021, for the purpose of measuring and planning for slip line pipe. Premature deterioration in the upstream section of PCI-4 was discovered (see photos below). Discussions ongoing regarding approach for further evaluating and addressing this issue.

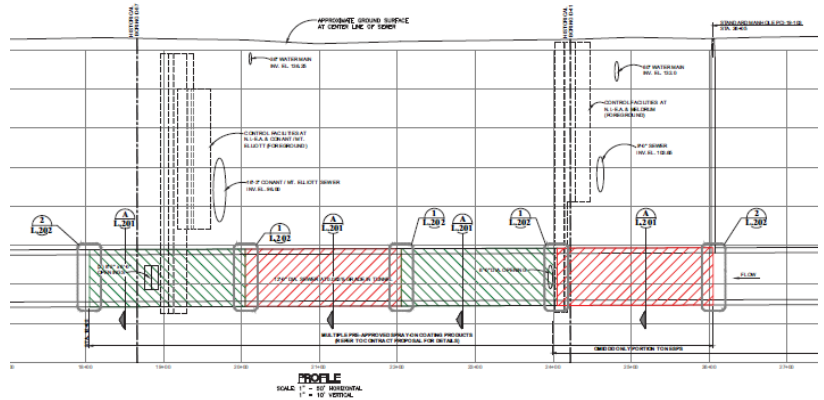
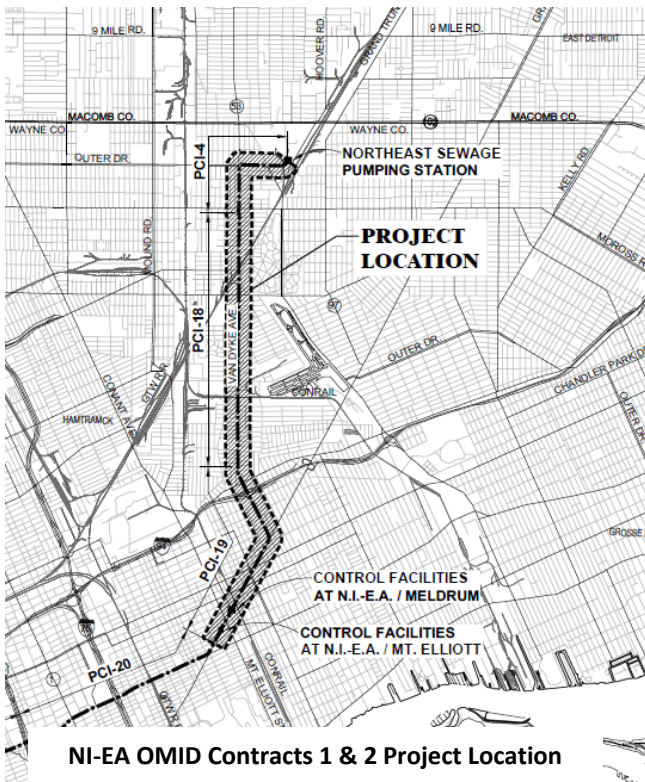
#### Contract 2

- Coordination meetings and discussions with GLWA are ongoing regarding cost sharing of rehabilitation of common to all portions of the NI-EA and new control structures, pilot study approach and bidding that includes GLWA portion, and other design coordination efforts.
- General approach for gate at 7-Mile structure evaluated; flap gate is recommended.
- NI-EA OMID Contract No. 2 PCI-18 & 19 Rehabilitation GLWA design concept review set under review by GLWA. GLWA approved gate concepts, and assisted in determining lining plan and bidding approach.
- 90% design for PCI-18/19 rehab project is near complete; finalizing gate control and logic details.

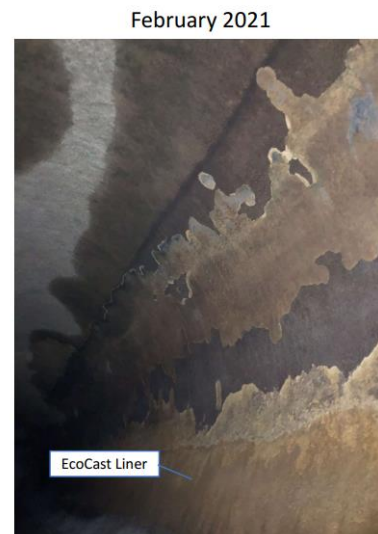
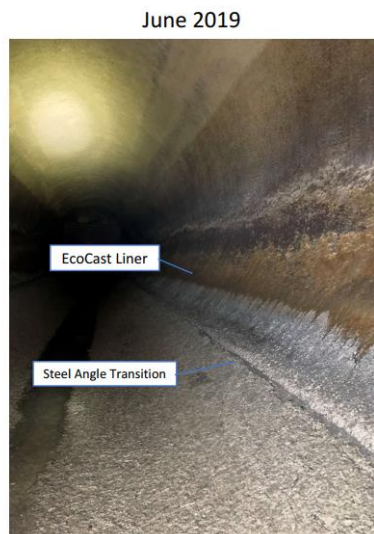
The **draft** line item schedule and budget are summarized below:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
2	Lining Study Final Report	\$126,744		10/30/2019
3	Field Inv. (MASW, SUE, Survey, Geo, Env)			10/30/19
4	Basis of Design Draft (Contracts 1 and 2)			9/30/2019
8	Contract 1 Design Complete & Issued for Bid	\$2,400,570 (C1 and C2)		6/10/2020
10	Contract 1 Award and NTP			1/26/2021
11	Contract 1 Final Completion	\$2M*	\$20M*	8/24/2022
8	Contract 2 Design Complete & Issued for Bid			6/10/2021
10	Contract 2 Award and NTP			12/16/2020 and 1/04/2021*
11	Contract 2 Final Completion	\$1.5M*	\$12M*	5/30/2023

# March 17, 2021 OMIDDD Board Meeting



NI-EA PCI-19 lining sections



Sample comparison of PCI-4 inspections from 2018, 2019, and February, 2021



## March 17, 2021 OMIDDD Board Meeting

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### NESPS Pump and Electrical Upgrades Project

**Budget Status:** \$1,280,139 billed out of current Design Budget of \$1,382,430; \$464,277 out of the current CCA Budget of \$2,443,262. Total design and construction budget currently established as \$43,299,889 including contingencies and admin/legal). Walsh has developed a guaranteed maximum price (GMP) of \$42,863,185.19, not including the initial pre-construction phases. With the addition of Change Order No. 7 (originally identified as # 1), No. 8, and No. 9, this value is now adjusted to \$ 43,234,588.00. The total amount invoiced to date (as of December 31, 2020) is \$4,532,577.76, representing 10.5% of the project adjusted contract value.

**Schedule Status:** On time.

The following Design Team Effort work is active:

- A review of alternative energy saving methods and pump sequence remains ongoing. A technical memorandum detailing the proposed pump sequencing was submitted to GLWA for review. GLWA SCC was in agreement of the planned sequencing.
- Drawing and Specifications for 100% design are complete. The CMAR (Walsh Construction) and OMID consultants and staff produced Bid packages for the remaining work, which is mostly awarded to the various contractors. Final design for certain minor packages remain.
- Evaluating concepts for lining deteriorated discharge piping for Pumps 5, 6, and possibly 2.
- All City of Detroit and DWSD permits were received.

The following Construction Services work is active:

- Construction Phase services (RFI's, Submittals) are ongoing, and the engineering team is reviewing and responding.
- The Design team and Walsh are working together to finalize a sequence of construction, and manpower loaded schedule.
- Work was completed on the foundation excavation for the proposed Electrical building, including installation of the temporary earth retaining structures (TERS).
- Work is complete on the electrical building walls and slab on grade. Construction of the building grade level supported slab is now also complete with final concrete placed on March 5, 2021.
- Work for the internal mechanical and electrical equipment has commenced with shop drawing and prep work. First major item will be the installation of the knife gate valve at Pump No. 3 and the HPU unit, which arrived on site in late December, 2020 and is undergoing installation preparation with the actual installation planned for the week of March 8, 2021
- Dewatering discharge piping being prepped for exterior coating.
- The **draft** line item schedule and budget are summarized below:

# March 17, 2021 OMIDDD Board Meeting

Work Item/ Milestone		Estimated Budget	Estimated 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	\$1,519,275 (including		
10	Substantial Completion	\$2,500,000 (est.)	\$43,300,000 (est.)	3/24/2023
11	Final Completion			6/23/2023



**NESPS Refurbishment  
Project Location**



**NESPS Electrical Building progress in mid-  
February**



**NESPS Electrical Building progress in mid-  
February**

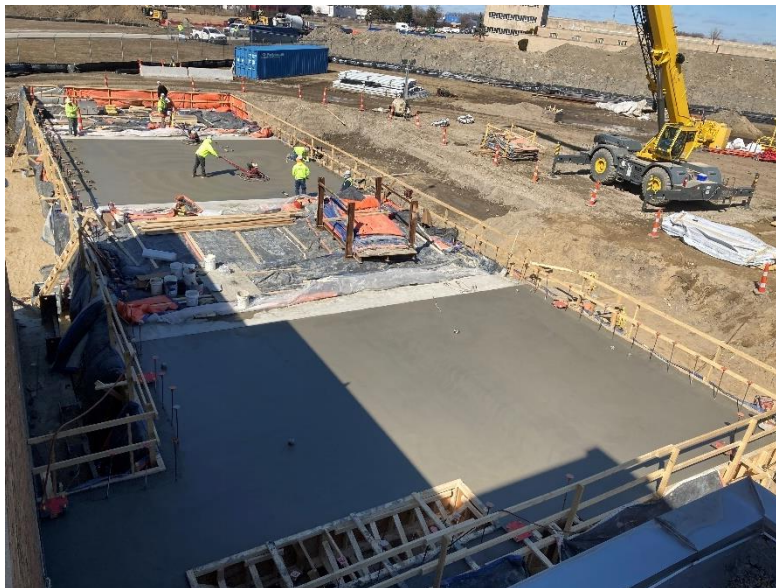


## March 17, 2021 OMIDDD Board Meeting

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**NESPS Electrical Building progress in early March**



**NESPS Electrical Building progress in early March**

# March 17, 2021 OMIDDD Board Meeting

## CS-9 Gate Installation

### Budget Status:

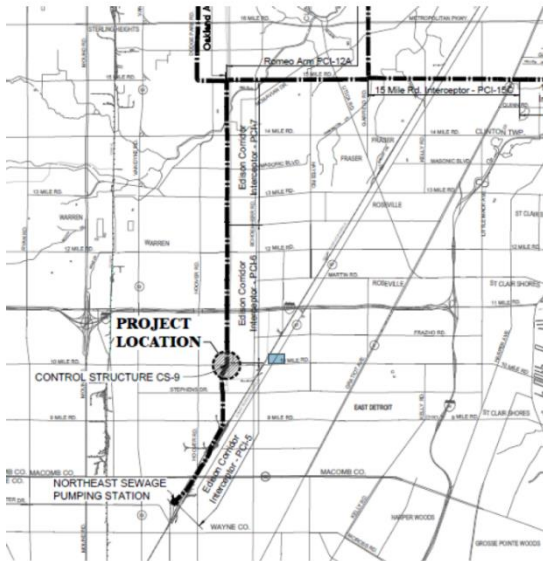
Total design and construction budget currently established as approximately \$3.2M (including contingencies and admin/legal).

### Schedule Status:

Engineering/Design efforts complete; CMAR bidding complete in packages.

The design is complete with 100% design package for Walsh. With this effort, the following work is active:

- Hydrogate has been selected as the gate manufacturer and final shop drawing submittal have been approved to allow the start of bulkhead Gate fabrication.
- Preliminary work has commenced on site with soil erosion controls, perimeter security fencing, and entrance driveway construction now substantially complete. The Contractor has performed two manned inspections of the existing structure to verify bulkhead gate guideway dimensions, with the information obtained to be incorporated into the final gate design. The Contractor has res-sealed the structure following the measurements.
- Site work is on hold pending manufacture of equipment for installation.



CS-9 Project location



Entering CS-9 for measurements on January 20<sup>th</sup>, 2021



CS-9 sealed on February 4<sup>th</sup>, 2021 after entry



## March 17, 2021 OMIDDD Board Meeting

### Other

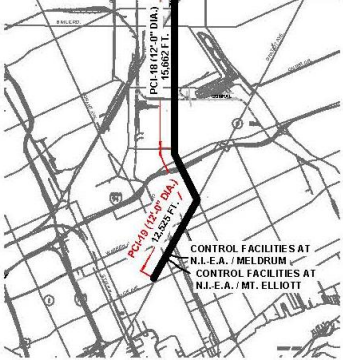
- No change since last month - - Met with EGLE to discuss continued use of existing and future gates for long term flow control and management in the OMID and NIEA systems. EGLE has no objections; OMID Team drafted a letter to formalize arrangement. Awaiting response.

### 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 (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	N	N	N	N/A
N/A	Control Structure Modifications	CSM/Hesco/MCE	Y/Y/N	Y/Y/N	Y/N/N	Y/N/N	N/A
N/A	OMID Maintenance Repairs	Doetsch	N	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

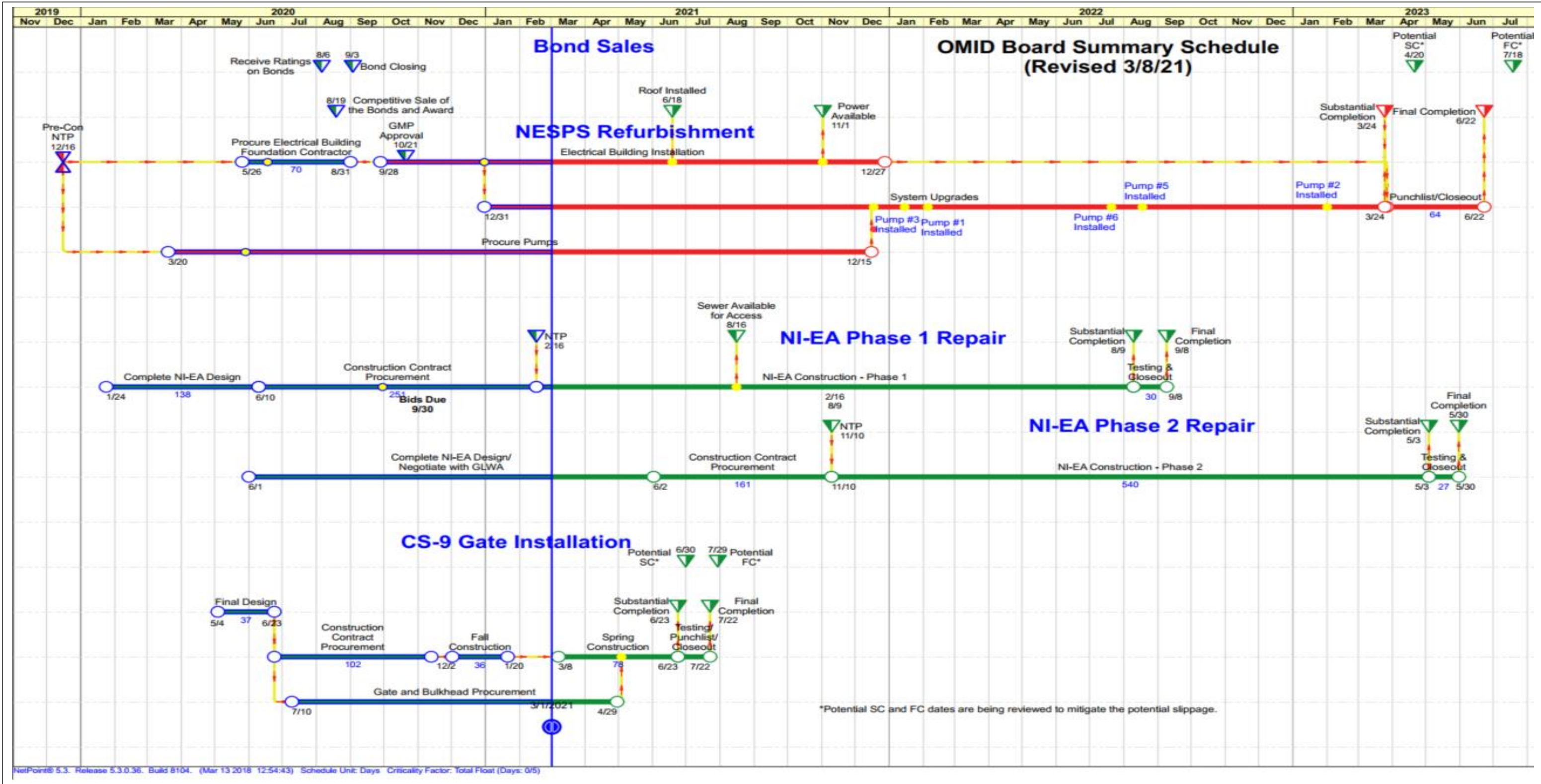
\* In review, pending Coating Issues Resolution and Change Order and Memo of Understanding approvals

Work Currently in Design/Study/Engineering		
Description	Design Consultant	Status
System-wide Odor/Corrosion Study	Jacobs	Study ~99% 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; Field work ongoing



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

March 17, 2021 OMIDDD Board Meeting





## March 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						
					M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	CS-2		CS-3	CS-5	CS-6	CS-6 PS	CS-7	CS-8
MID Grouting (Preliminary schedule has GI and LSI work beginning when OMID grouting has moved upstream of CS-6)	Garfield Interceptor (GI)	MID	AEW	Doetsch	/	/	/	/																						N	N	N	H	-	H	H	-	n/a	Y	Work is Random - If other work requires CS-3 closure, then GI grouting will be scheduled when CS-3 is not in storage. This crew will move to LSI grouting. Schedule is TBD based on grout takes.
	Lakeshore Interceptor (LSI)	MID	AEW	Doetsch	/	/	/	/																						-	-	-	-	-	-	-	-	n/a	N	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.
OMID Maintenance/Spot Repairs (Preliminary schedule has crews beginning downstream and working upstream. 1 through 5).	2. Downstream of CS-6	OMID	NTH	Doetsch	/																									-	Y	N	Y	-	Y	Y	-	n/a	H	Can work concurrently with LSI grouting. Flow control required for some activities, not all.
	4. Downstream of CS-8	OMID	NTH	Doetsch	/																									-	-	-	N	-	N	Y	-	n/a	-	Can work concurrently RAI, LSI, or GI grouting. Flow control required for some activities, not all.
	5. Upstream of CS-8	OMID	NTH	Doetsch	/																										-	-	-	N	-	N	N	-	n/a	-
NESPS Wet Well Clearing	NESPS Wet Well	OMID	Metco	Doetsch	/																									-	Y	Y	Y	-	Y	Y	-	n/a	H	2 weeks planned. 1 week per wet well side. Wet weather will delay schedule.
NIEA Tunnel Connection	NIEA and Grand Blvd	GLWA	FKE	Jay Dee		/																								-	Y	Y	Y	-	Y	Y	-	n/a	H	2 weeks planned. Requires WRRF Coordination for PS-2 Drawdown.
MID Drop Shaft Rehab	UT-S-1, ST-S-4, ST-S-5	MID	AEW	IWPC																										-	-	-	-	-	-	-	-	n/a	-	May require brief MID/OMID flow control. Local community bypass required into MID/OMID interceptor.
MID Drop Shaft Rehab	MA-S-2, CT-S-2, HR-S-2	MID	NTH	IWPC																										-	-	-	-	-	-	-	-	n/a	-	May require brief MID/OMID flow control. Local community bypass required into MID/OMID interceptor.
CS-9 Gate Installation	CS-9	OMID	NTH	TBD																										-	Y	Y	Y	-	Y	Y	Y	n/a	H	May require brief flow control for installation. Will require flow control for operations testing and verification.
MID Inspection	Routine Inspection of MID Manholes & Interceptors	MID	Fishbeck	Doetsch																										-	-	-	-	-	-	-	-	n/a	-	Work may require brief flow control to inspect certain reaches. Work will be coordinated around active construction.
Segment 5 Lining*	15 Mile between ITC Corridor & Eberlein	MID	FKE	OR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	-	Y	N	Y	-	Y	Y	-	Y	H	If work is concurrent with NIEA rehabilitation; CS-9 is required. Flow control dates may change depending on sediment removal means and methods.
NIEA Rehabilitation (Downstream of NESPS)	PCI-4 Shaft & Lining	OMID	NTH	MARA				/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		-	Y	N	Y	-	Y	Y	Y	-	H	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.
NESPS Improvements	NESPS Pump Replacement	OMID	ASI	TBD																										-	Y	-	Y	-	Y	Y	Y	-	H	Will require brief flow control for pump installation, gate installation, and electrical work.
Segment 6 Lining	15 Mile upstream of Garfield & between CS-2/CS-3	MID	FKE	TBD			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		Y	Y	N	-	-	-	-	-	Y	Y	May work concurrent with Segment 5 or NIEA rehabilitation. Flow control conditions at the CS gates is similar with the exception of utilizing CS-2. Schedule is preliminary.
ST-S-2, SY-S-1, WA-S-1 Meter Pit Rehab	ST-S-2, SY-S-1, WA-S-1	MID	HRC	Wless																										-	-	-	-	-	-	-	-	-	-	Local by-pass pumping occurring.
PSPS / COSDS Work (PSPS Shutdown)	PSPS	WRC	n/a	n/a																										-	-	-	-	-	-	-	-	-	-	Reduced diversion to PSPS through May. Scheduled shut down of PSPS in March; no flow diversion to Pontiac WWTP (CRWRRF). Will significantly impact storage capabilities on the Oakland Arm CS gates. Shutdowns being considered during weekends.

Table updated on 3/1/2021. Estimates to be updated as necessary.

\* Flow control from 8/20 through 6/21 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 re

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



# NI-EA PCI-4 Comparison Photos

NESPS Discharge Chamber to MH PCI-4-106  
EcoCast Liner Installation – 9/2016 through 8/2017



Inspection Date - February 23, 2021

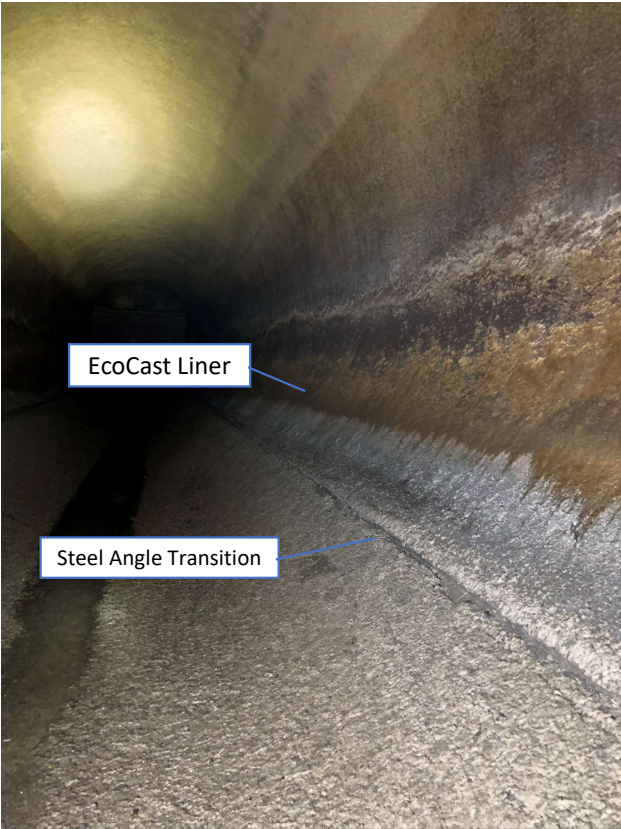


**NI-EA PCI-4: 110 Foot EcoCast Liner Section**

July 2018



June 2019



February 2021



## NI-EA PCI-4: 110 Foot EcoCast Liner Section

June 2019



February 2021





## NI-EA PCI-4: 110 Foot EcoCast Liner Section

### February 2021: EcoCast Surface Spalling





## NI-EA PCI-4: 110 Foot EcoCast Liner Section

June 2019



February 2021



**Agenda Item No. 10**

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

YTD Trial Balance  
Fund: 84914 Oakland Macomb InterceptorSeg3  
As of Fiscal Period: Month 6, 2021

Run By: WRC\_REPORTING  
Run: 03/13/2021 at 03:55 PM  
Scope: 84914 Oakland Macomb InterceptorSeg3

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg3 100000001557	OMID Odor- Corrosion Study 100000002892	YTD Balance
100100	Cash - Operating	0.00	0.00	0.00	0.00
101900	Fund Cash Transaction	0.00	0.00	0.00	0.00
	Revenues	(73.49)	1,009.90	(1,083.39)	(73.49)
697551	Issuance of Bonds	0.00	21,689.68	(21,689.68)	0.00
	Expenditures	22,959.62	186.55	22,773.07	22,959.62
	Special Items- Uses	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(22,886.13)	(22,886.13)	0.00	(22,886.13)
		(0.00)	0.00	0.00	(0.00)

Cash as of 03/13/2021 \$ -

Invoices / Reimbursements For Seg 1 OMID System Wide Odor Corrosion Study On Current Agenda Impacting Cash 0.00

Invoices / ReimbursementsFor Seg 3 Project On Current Agenda Impacting Cash 0.00

Total Net Cash Balance \$ -

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg4 100000001913	OMI NESPS GATEHOUSE SEG4 100000002232	NESPS Odor Corrosion StdY Seg4 100000002708	YTD Balance
100100	Cash - Operating	188,470.48	126,983.91	26,799.54	34,687.03	188,470.48
104100	Accrued Interest on Investment	42,289.12	42,289.12	0.00	0.00	42,289.12
211100	Due to Primary Government	(44,548.63)	(17,277.62)	(364.63)	(26,906.38)	(44,548.63)
	Revenues	(1,311.75)	115,063.25	0.00	(116,375.00)	(1,311.75)
697551	Issuance of Bonds	0.00	128,625.00	0.00	(128,625.00)	0.00
	Expenditures	126,336.99	16,006.77	2,017.76	108,312.46	126,336.99
	Special Items- Uses	0.00	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(311,236.21)	(411,690.43)	(28,452.67)	128,906.89	(311,236.21)
		(0.00)	0.00	(0.00)	0.00	0.00

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

Cash as of 03/08/2021	\$	188,470.48
Invoices/Reimbursements for Seg 4 on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS Gatehouse on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS NIEA-East Arm on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS Odor Corrosion Study on Current Agenda impacting Cash Balance		(10,140.50)
Total Net Cash Balance	\$	<u>178,329.98</u>

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### Oakland Macomb InterceptorSeg4

#### 100000001913

(as of March 8, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
<b>ADM - Administration</b>				
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	
<b>Administration TOTALS</b>				
	390,165.00	0.00	470,892.60	(\$80,727.60)
<b>ENG - Engineering</b>				
731346 - Personal Mileage		0.00	14,797.93	
731521 - Public Services		0.00	40,605.00	
771638 - Drain Equip Labor		3,985.64	764,349.29	
771639 - Drain Equipment		202.76	83,305.22	
<b>Engineering TOTALS</b>				
	484,153.00	4,188.40	903,057.44	(\$418,904.44)
<b>ENGCON - Engineering Consultant</b>				
730639 - Engineering Services-Other		0.00	3,594,242.60	
731073 - Legal Services		0.00	108.00	
<b>Engineering Consultant TOTALS</b>				
	3,275,248.00	0.00	3,594,350.60	(\$319,102.60)
<b>FAC - Facility Acquisition</b>				
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	
<b>Facility Acquisition TOTALS</b>				
	15,225,614.00	0.00	14,065,340.52	\$1,160,273.48
<b>INS - Inspection</b>				
730373 - Contracted Services		0.00	473.03	
731521 - Public Services		0.00	16,935.91	
<b>Inspection TOTALS</b>				
	17,408.00	0.00	17,408.94	(\$0.94)
<b>LEGAL - Legal and Financial</b>				
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	
<b>Legal and Financial TOTALS</b>				
	191,321.00	0.00	194,642.75	(\$3,321.75)
<b>ROW - Right of Way</b>				
731563 - Recording Fees		0.00	50.67	
<b>Right of Way TOTALS</b>				
	0.00	0.00	50.67	(\$50.67)

**Water Resources Commissioner**  
**PROJECT WORK IN PROGRESS**  
**Oakland Macomb InterceptorSeg4**  
**100000001913**  
 (as of March 8, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
<b>Project 100000001913 - Oakland Macomb InterceptorSeg4</b>			
<b>Total Project Expenses</b>			
<b>Budget Amount</b>	<b>Month-to-Date Expenses</b>	<b>Life-to-Date Expenses</b>	<b>LTD Variance</b>
\$19,583,909.00	\$4,188.40	\$19,245,743.52	\$338,165.48
<b>Total Project Revenue</b>			
<b>Account</b>	<b>Month-to-Date Revenue</b>	<b>Life-to-Date Revenue</b>	
605572-Special Assessments	\$0.00	\$8,369,355.35	
615572-State Capital Grants	\$0.00	\$1,105,350.77	
655077-Accrued Interest Adjustments	(\$26.78)	\$42,289.12	
655385-Income from Investments	\$126.16	\$650,729.04	
697551-Issuance of Bonds	\$0.00	\$740,014.65	
697753-State Revolving Fund Loans	\$0.00	\$8,490,000.00	
<b>TOTAL REVENUE</b>	<b>\$99.38</b>	<b>\$19,397,738.93</b>	
<b>REVENUE OVER/(UNDER) EXPENSES</b>		<b>\$151,995.41</b>	

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### OMI NESPS GATEHOUSE SEG4

#### 100000002232

(as of March 8, 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	0.00	1,248,846.74	
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**Engineering Consultant TOTALS**

496,981.00	0.00	1,248,846.74	(\$751,865.74)
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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	\$0.00	\$4,723,565.09	(\$304,567.09)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$2,434,988.28	
697551-Issuance of Bonds	\$0.00	\$2,315,011.72	
TOTAL REVENUE	\$0.00	\$4,750,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$26,434.91	

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### NESPS Odor Corrosion Stdy Seg4

#### 100000002708

(as of March 8, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
<b>ADM - Administration</b>				
730926 - Indirect Costs		0.00	25,041.48	
730940 - Insurance		0.00	88,400.00	
<b>Administration TOTALS</b>	188,148.00	0.00	113,441.48	\$74,706.52
<b>CONT - Contingency</b>				
<b>Contingency TOTALS</b>	637,000.00	0.00	0.00	\$637,000.00
<b>ENG - Engineering</b>				
771638 - Drain Equip Labor		740.69	115,637.76	
771639 - Drain Equipment		19.45	4,260.91	
<b>Engineering TOTALS</b>	206,253.00	760.14	119,898.67	\$86,354.33
<b>ENGCON - Engineering Consultant</b>				
730373 - Contracted Services		0.00	1,250,780.11	
730639 - Engineering Services-Other		0.00	59,195.44	
<b>Engineering Consultant TOTALS</b>	1,073,000.00	0.00	1,309,975.55	(\$236,975.55)
<b>FAC - Facility Acquisition</b>				
730352 - Construction		0.00	652,723.40	
731472 - Project Construction and Impr		0.00	4,179,747.26	
<b>Facility Acquisition TOTALS</b>	4,600,000.00	0.00	4,832,470.66	(\$232,470.66)
<b>INS - Inspection</b>				
771638 - Drain Equip Labor		0.00	212,352.47	
771639 - Drain Equipment		0.00	32,443.08	
<b>Inspection TOTALS</b>	190,343.00	0.00	244,795.55	(\$54,452.55)
<b>LEGAL - Legal and Financial</b>				
731073 - Legal Services		0.00	1,744.00	
<b>Legal and Financial TOTALS</b>	15,000.00	0.00	1,744.00	\$13,256.00
<b>ROW - Right of Way</b>				
<b>Right of Way TOTALS</b>	46,000.00	0.00	0.00	\$46,000.00
<b>STD - Standard Operation</b>				
730352 - Construction		0.00	116,361.10	
730926 - Indirect Costs		0.00	3,729.80	
730940 - Insurance		0.00	139,930.93	
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	
<b>Standard Operation TOTALS</b>	38,010.00	0.00	298,478.11	(\$260,468.11)

**SUR - Survey Crew**



## Water Resources Commissioner

### PROJECT WORK IN PROGRESS

#### NESPS Odor Corrosion StdY Seg4

**100000002708**

(as of March 8, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
<b>Survey Crew TOTALS</b>			
10,246.00	0.00	0.00	\$10,246.00

<b>Project 100000002708 - NESPS Odor Corrosion StdY Seg4</b>			
<b>Total Project Expenses</b>			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$7,004,000.00	\$760.14	\$6,920,804.02	\$83,195.98
<b>Total Project Revenue</b>			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$3,243,611.04	
697551-Issuance of Bonds	\$0.00	\$3,684,973.63	
<b>TOTAL REVENUE</b>	<b>\$0.00</b>	<b>\$6,928,584.67</b>	
<b>REVENUE OVER/(UNDER) EXPENSES</b>		<b>\$7,780.65</b>	

ACCOUNT		YTD Balance Total Fund	YTD Balance No Project	OMID Segment 5 100000003252	OMID NI-EA CONSTRUCTION 100000003308	NESPS MECH-ELEC CONSTRUCTION 100000003309	YTD Balance
100100	Cash - Operating	77,088,923.78	0.00	79,857,175.08	(8,134.16)	(2,760,117.14)	77,088,923.78
101900	Fund Cash Transaction	0.00	0.00	(6,500,000.00)	1,000,000.00	5,500,000.00	0.00
104100	Accrued Interest on Investment	(80,936.69)	0.00	(80,936.69)	0.00	0.00	(80,936.69)
	Revenues	83,347.50	402,211.79	1,984,245.65	(366,867.07)	(1,936,242.87)	83,347.50
697551	Issuance of Bonds	0.00	0.00	7,866,890.06	(1,253,132.93)	(6,613,757.13)	0.00
	Expenditures	6,438,251.30	0.00	0.00	628,134.16	5,810,117.14	6,438,251.30
	Special Items- Uses	0.00	0.00	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(83,529,585.89)	(402,211.79)	(83,127,374.10)	0.00	0.00	(83,529,585.89)
		0.00	0.00	0.00	0.00	0.00	0.00

Cash as of 3/08/2021 \$ 77,088,923.78

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (91,042.19)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (93,116.89)

Total Net Cash Balance \$ 76,904,764.70

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### OMID Segment 5

### 100000003252

(as of March 9, 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	
<b>Administration TOTALS</b>	0.00	242,201.57	(\$242,201.57)

**LEGAL - Legal and Financial**

730177 - Bond Issuing Cost	0.00	514,935.00	
<b>Legal and Financial TOTALS</b>	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	(\$1,471,997.50)	\$16,708,791.40	
655077-Accrued Interest Adjustments	(\$10,582.63)	(\$80,936.69)	
655385-Income from Investments	\$49,857.67	\$384,143.44	
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	(\$5,028,002.50)	\$49,348,109.94	
<b>TOTAL REVENUE</b>	<b>(\$6,460,724.96)</b>	<b>\$73,631,163.17</b>	
<b>REVENUE OVER/(UNDER) EXPENSES</b>		<b>\$72,874,026.60</b>	

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### OMID NI-EA CONSTRUCTION

#### 100000003308

(as of March 8, 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

1,538.33

17,543.68

771639 - Drain Equipment

40.37

857.04

**Engineering TOTALS**

478,000.00	1,578.70	18,400.72	\$459,599.28
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**ENGCON - Engineering Consultant**

730639 - Engineering Services-Other

0.00

150,018.20

731444 - Prof Svc-Consultant

0.00

65,998.40

**Engineering Consultant TOTALS**

4,913,000.00	0.00	216,016.60	\$4,696,983.40
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**FAC - Facility Acquisition**

730352 - Construction

0.00

340,786.23

731472 - Project Construction and Impr

0.00

37,865.14

**Facility Acquisition TOTALS**

17,983,600.00	0.00	378,651.37	\$17,604,948.63
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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**

731073 - Legal Services

0.00

3,672.00

**Legal and Financial TOTALS**

1,259,000.00	0.00	3,672.00	\$1,255,328.00
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**ROW - Right of Way**

771638 - Drain Equip Labor

412.30

10,962.36

771639 - Drain Equipment

14.95

431.11

**Right of Way TOTALS**

265,000.00	427.25	11,393.47	\$253,606.53
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**STD - Standard Operation**
**Standard Operation TOTALS**

40,000.00	0.00	0.00	\$40,000.00
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**SUR - Survey Crew**
**Survey Crew TOTALS**

32,000.00	0.00	0.00	\$32,000.00
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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

**Water Resources Commissioner****PROJECT WORK IN PROGRESS****OMID NI-EA CONSTRUCTION****100000003308**

(as of March 8, 2021)

Budget Amount		Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$28,395,600.00		\$2,005.95	\$628,134.16	\$27,767,465.84
<b>Total Project Revenue</b>				
Account		Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments		\$226,461.15	\$366,867.07	
697551-Issuance of Bonds		\$773,538.85	\$1,253,132.93	
TOTAL REVENUE		\$1,000,000.00	\$1,620,000.00	
<b>REVENUE OVER/(UNDER) EXPENSES</b>			\$991,865.84	

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### NESPS MECH-ELEC CONSTRUCTION

#### 100000003309

(as of March 8, 2021)

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

620,000.00	0.00	0.00	\$620,000.00
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**CONT - Contingency**
**Contingency TOTALS**

4,917,000.00	0.00	0.00	\$4,917,000.00
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**ENG - Engineering**

771638 - Drain Equip Labor

3,988.26

29,123.59

771639 - Drain Equipment

104.66

1,172.51

**Engineering TOTALS**

446,000.00	4,092.92	30,296.10	\$415,703.90
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**ENGCON - Engineering Consultant**

730639 - Engineering Services-Other

0.00

400,392.68

731444 - Prof Svc-Consultant

0.00

21,893.40

731458 - Professional Services

0.00

17,643.80

**Engineering Consultant TOTALS**

3,987,000.00	0.00	439,929.88	\$3,547,070.12
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**FAC - Facility Acquisition**

731472 - Project Construction and Impr

0.00

4,771,647.73

**Facility Acquisition TOTALS**

40,857,000.00	0.00	4,771,647.73	\$36,085,352.27
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**INS - Inspection**

771638 - Drain Equip Labor

7,583.41

46,078.20

771639 - Drain Equipment

910.44

6,315.23

**Inspection TOTALS**

285,000.00	8,493.85	52,393.43	\$232,606.57
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**LEGAL - Legal and Financial**

730940 - Insurance

0.00

515,850.00

**Legal and Financial TOTALS**

2,417,000.00	0.00	515,850.00	\$1,901,150.00
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**ROW - Right of Way**
**Right of Way TOTALS**

393,000.00	0.00	0.00	\$393,000.00
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**STD - Standard Operation**
**Standard Operation TOTALS**

130,000.00	0.00	0.00	\$130,000.00
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**SUR - Survey Crew**
**Survey Crew TOTALS**

34,000.00	0.00	0.00	\$34,000.00
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**Project 100000003309 - NESPS MECH-ELEC CONSTRUCTION**
**Total Project Expenses**

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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**Water Resources Commissioner**  
**PROJECT WORK IN PROGRESS**  
**NESPS MECH-ELEC CONSTRUCTION**  
**100000003309**  
 (as of March 8, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$54,086,000.00	\$12,586.77	\$5,810,117.14	\$48,275,882.86
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$1,245,536.35	\$1,936,242.87	
697551-Issuance of Bonds	\$4,254,463.65	\$6,613,757.13	
TOTAL REVENUE	\$5,500,000.00	\$8,550,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$2,739,882.86	



Oakland County - Water Resources Commissioner's Office  
Fund Equity: Schedule of Reserves and Dedicated Funds  
As of Date: February 28, 2021

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	2,858,695.95	208,333.35	2,900,129.42	16,493,591.37		\$ 22,460,750.09
84914	OMIDD Seg 3						
	- Project 1-1557 Interceptor Seg 3					\$ -	
	- Project 1-2892 Interceptor					-	
	Total Segment 3						-
84915	OMIDD Seg 4						
	- Project 1-1913 Interceptor Seg 4					151,995.41	
	- Project 1-2232 NESPS Gatehouse					26,434.91	
	- Project 1-2708 NESPS Odor Corrosion Study					7,780.65	
	Total Segment 4						186,210.97
84917	OMIDD Seg 5						
	- No Project					402,211.79	
	- Project 1-3252 Interceptor Seg 5					72,874,026.60	
	- Project 1-3308 NIEA Mech. / Elect. Const.					991,865.84	
	- Project 1-3309 NESPS Construction					2,739,882.86	
	Total Segment 5						77,007,987.09
Total Equity in Maintenance and Construction Funds							\$ 99,654,948.15

**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 03/17/2021

		84914	84914	84915	84915	84915	84915	84917	84917	82912	
		1-2892	1-1557	1-1913	1-2232	1-2232	1-2708	1-3308	1-3309		
<b>Payable To</b>	<b>Invoice #</b>	<b><u>System Wide Odor Corrosion Study</u></b>	<b><u>Segment 3</u></b>	<b><u>Segment 4</u></b>	<b><u>Segment 4 - NESPS Gate House</u></b>	<b><u>Segment 4 - NIEA East Arm</u></b>	<b><u>Segment 4 - NESPS Odor Corrosion Study</u></b>	<b><u>Segment 5 NIEA Construction</u></b>	<b><u>Segment 5 NESPS Mech / Electric Construction</u></b>	<b><u>Opperation &amp; Maintenance</u></b>	<b><u>Total</u></b>
Oakland County *	WRC Labor/Fringes/Non-direct Labor			7,476.04	349.74		740.69	3,916.39	21,363.44		\$33,846.30
Oakland County *	WRC Equipment			421.96	13.46		19.45	194.20	2,208.73		\$2,857.80
Oakland County *	WRC Mileage			530.88	0.00		0.00	0.00	0.00		\$530.88
Comerica Purchase Card	COD BSEED Date 02/16/2021									420.00	\$420.00
Comerica Purchase Card	COD BSEED Date 02/16/2021									363.30	\$363.30
Comerica Purchase Card	COD BSEED Date 02/16/2021									226.30	\$226.30
Applied Science, Inc	Invoice # 25 (ASI Inv. #7801) Services Through 2/27/21								76,685.00		\$76,685.00
BioAir Solutions, LLC	Invoice # I-21036 Delivery Date 01/05/2020						10,140.50				\$10,140.50
Clark Hill PLC	Invoice # 1065223 Matter 404547 Services Through 01/31/21							432.00			\$432.00
Clark Hill PLC	Invoice # 1067284 Matter 316432 Services Through 01/31/2021							1,836.00			\$1,836.00
CSM Mechanical, LLC	Invoice # 21OMIDD001 Replace 2" Drain on Pump 5 Invoice Date 2/11/2021									771.68	\$771.68
CSM Mechanical, LLC	Invoice # 21OMIDD005 Install Temp Housekeeping Pad Invoice Date 3/8/2021									1,706.06	\$1,706.06
Dickinson Wright PLLC	Invoice # 1537008 Matter 012840-00424 Service through 11/30/20									1,085.00	\$1,085.00
Dickinson Wright PLLC	Invoice # 1546112 Matter 012840-00424 Service through 01/31/21									1,300.56	\$1,300.56
Dickinson Wright PLLC	Invoice # 1555164 Matter 012840-00436 Service through 01/31/21									1,237.50	\$1,237.50
EJ USA, Inc.	Invoice # 110210010206 Delivery Date 2/24/21									2,260.95	\$2,260.95
Konecranes	Invoice # 154410410 Field Service 12/10/20									953.75	\$953.75
McNaughton-McKay Electric Co.	Invoice # 21213894-00 Perry St Request Date 02/25/21									1,069.68	\$1,069.68
METCO	Invoice # 1811-26 Through 2/28/21									118,281.28	\$118,281.28
NTH Consultants	Inv # 03 NI-EA Construction Engineering Service Through 2/19/21							38,107.60			\$38,107.60
NTH Consultants	Inv # 05 NESPS Pumping and Electrical Upgrades Service Through 2/19/21								8,447.22		\$8,447.22
NTH Consultants	Inv # 08 OMIDD NESPS Safety Manual & Crane Support Service Through 2/19/21									2,076.07	\$2,076.07
NTH Consultants	Inv # 21 - OMIDD NI-EA Rehab Services Through 2/19/21							50,666.59			\$50,666.59
NTH Consultants	Inv # 25 - OMIDD System Immediate Repair Service Through2/19/21									27,964.63	\$27,964.63
PMA Consultants	Invoice # 03559.01 - 9 Professional Services Through2/28/21								7,984.65		\$7,984.65
Total Invoices/Reimbursements for Approval		\$0.00	\$0.00	\$8,428.88	\$363.20	\$0.00	\$10,900.64	\$95,152.78	\$116,689.04	\$159,716.76	\$391,251.30
	* Less WRC Charges already paid from OMI Fund	0.00	0.00	(8,428.88)	(363.20)	0.00	(760.14)	(4,110.59)	(23,572.17)	0.00	(36,704.10)
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,140.50	\$91,042.19	\$93,116.87	\$159,716.76	\$354,016.32

## **Agenda Item No. 11**

### **Invoices**

OMI Segment 4 Project - WRC Equipment Charges for Trans Dates -01/30/2021 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
834323	02/11/21	02/01/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/01/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/02/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/02/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/03/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/03/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/04/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/04/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/05/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/05/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/08/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/08/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/09/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/09/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/10/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/10/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/11/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/11/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/11/21	02/12/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/11/21	02/12/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/16/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/16/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/17/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/17/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/18/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/18/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/19/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/19/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/22/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/22/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/23/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/23/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/24/21	POUSHO, ROBERT	10.00	\$4.00	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/24/21	POUSHO, ROBERT	10.00	\$23.40	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/25/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/25/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	02/24/21	02/26/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	02/24/21	02/26/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
					<b>\$421.96</b>				

OMI Segment 4 Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 01/30/2021 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
834323	02/11/21	02/01/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/02/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/03/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/04/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/05/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/08/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/09/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/10/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/11/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/11/21	02/12/21	POUSHO, ROBERT	8.00	\$349.04	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/16/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/17/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/18/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/19/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/22/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/23/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/24/21	POUSHO, ROBERT	10.00	\$538.60	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/25/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	02/24/21	02/26/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
					<b>\$7,476.04</b>				

OMI Segment 4 Project - WRC Personal Mileage and Parking - Accounting Date Range 02/01/2021 - 02/28/2021

Acctg Date	Fund	Fund Description	Project	Project Description	Activity	Descr	Sum BU Amount
02/12/21	84915	OMIDD Segment 4	100000001913	OMIDD Segment 4	ENG	Pousho 971 Miles 2-12-21	\$ 530.88
							\$ 530.88



OMI Segment 4 NESPS Gatehouse Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 12/05/2020 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
525985	02/12/21	02/04/21	PARROTT, JEFFREY	3.00	\$233.16	REGULAR	WRCROW	100000002232	ENG
525985	02/12/21	02/09/21	PARROTT, JEFFREY	1.50	\$116.58	REGULAR	WRCROW	100000002232	ENG
					<b>\$349.74</b>				

OMI NESPS Gatehouse Project - WRC Equipment Charges for Trans Dates - 12/05/2020 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
525985	02/12/21	02/04/21	PARROTT, JEFFREY	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000002232	ENG
525985	02/12/21	02/04/21	PARROTT, JEFFREY	3.00	\$1.20	ASSIGNED	Cell Phone	100000002232	ENG
525985	02/12/21	02/04/21	PARROTT, JEFFREY	3.00	\$7.02	ASSIGNED	PC/Computer	100000002232	ENG
525985	02/12/21	02/09/21	PARROTT, JEFFREY	1.50	\$0.60	ASSIGNED	Cell Phone	100000002232	ENG
525985	02/12/21	02/09/21	PARROTT, JEFFREY	1.50	\$3.51	ASSIGNED	PC/Computer	100000002232	ENG
525985	02/12/21	02/09/21	PARROTT, JEFFREY	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000002232	ENG
					<b>\$13.46</b>				

Acctg Date	Fund	Fund Description	Project	Project Description	Activity	Oper Unit	OU Descr	Descr	Sum BU Amount
None									\$0.00

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -01/30/2021 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
864521	02/22/21	02/01/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000002708	ENG
864521	02/22/21	02/05/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000002708	ENG
864521	02/22/21	02/08/21	BROWN, JOEL	0.50	\$56.98	REGULAR	WRCCON	100000002708	ENG
864521	02/22/21	02/09/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000002708	ENG
864521	02/22/21	02/12/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000002708	ENG
					<b>740.69</b>				

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Equipment Charges for Trans Dates - 01/30/2021 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
864521	02/22/21	02/01/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	02/22/21	02/01/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	ENG
864521	02/22/21	02/01/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	ENG
864521	02/22/21	02/05/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	02/22/21	02/05/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	02/22/21	02/05/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	02/22/21	02/08/21	BROWN, JOEL	0.50	\$0.20	ASSIGNED	Cell Phone	100000002708	ENG
864521	02/22/21	02/08/21	BROWN, JOEL	0.50	\$0.13	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	02/22/21	02/08/21	BROWN, JOEL	0.50	\$1.17	ASSIGNED	PC/Computer	100000002708	ENG
864521	02/22/21	02/09/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	02/22/21	02/09/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	ENG
864521	02/22/21	02/09/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	ENG
864521	02/22/21	02/12/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	02/22/21	02/12/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	02/22/21	02/12/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
					<b>19.45</b>				

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

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 01/30/2021 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984657	02/22/21	02/01/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003308	ENG
984657	02/22/21	02/02/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG
984657	02/22/21	02/03/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003308	ENG
984657	02/22/21	02/04/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003308	ENG
984657	02/22/21	02/05/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003308	ENG
984657	02/22/21	02/08/21	BROWN, JOEL	4.00	\$455.80	REGULAR	WRCCON	100000003308	ENG
984657	02/22/21	02/09/21	BROWN, JOEL	0.50	\$56.98	REGULAR	WRCCON	100000003308	ENG
984657	02/22/21	02/10/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003308	ENG
984657	02/22/21	02/12/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG
			<b>BROWN, JOEL Total</b>		<b>\$1,538.33</b>				
984657	02/12/21	02/01/21	LOCKHART, SIDNEY	2.00	\$245.72	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/02/21	LOCKHART, SIDNEY	2.00	\$245.72	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/03/21	LOCKHART, SIDNEY	2.00	\$245.72	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/04/21	LOCKHART, SIDNEY	1.00	\$122.86	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/05/21	LOCKHART, SIDNEY	2.00	\$245.72	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/08/21	LOCKHART, SIDNEY	1.00	\$122.86	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/09/21	LOCKHART, SIDNEY	2.00	\$245.72	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/10/21	LOCKHART, SIDNEY	1.00	\$122.86	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/11/21	LOCKHART, SIDNEY	2.00	\$245.72	REGULAR	WRCADM	100000003308	ENG
984657	02/12/21	02/12/21	LOCKHART, SIDNEY	1.00	\$122.86	REGULAR	WRCADM	100000003308	ENG
			<b>LOCKHART, SIDNEY Total</b>		<b>\$1,965.76</b>				
984662	02/25/21	02/19/21	PARROTT, JEFFREY	3.00	\$247.38	REGULAR	WRCROW	100000003308	ROW
984662	02/25/21	02/25/21	PARROTT, JEFFREY	2.00	\$164.92	REGULAR	WRCROW	100000003308	ROW
			<b>PARROTT, JEFFREY Total</b>		<b>\$412.30</b>				
			<b>Grand Total</b>		<b>\$3,916.39</b>				



OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 01/30/2021 - 2/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984657	02/22/21	02/01/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/01/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/22/21	02/01/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/02/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/22/21	02/02/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/02/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/03/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/22/21	02/03/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/03/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/04/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/04/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/04/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/22/21	02/05/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/05/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/05/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/22/21	02/08/21	BROWN, JOEL	4.00	\$1.00	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/22/21	02/08/21	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/08/21	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/09/21	BROWN, JOEL	0.50	\$0.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/09/21	BROWN, JOEL	0.50	\$1.17	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/09/21	BROWN, JOEL	0.50	\$0.13	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/22/21	02/10/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/10/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/22/21	02/10/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/12/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/22/21	02/12/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/22/21	02/12/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
			<b>BROWN, JOEL Total</b>		<b>\$40.37</b>				
984657	02/12/21	02/01/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/01/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/01/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/01/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/02/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/02/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/02/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/02/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/03/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/03/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/03/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/03/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/04/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/04/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/04/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/04/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/05/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/05/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/05/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/05/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/08/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/08/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/08/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/08/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/09/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/09/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/09/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/09/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/10/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/10/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/10/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/10/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/11/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/11/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	02/12/21	02/11/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/11/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/12/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	02/12/21	02/12/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	02/12/21	02/12/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	02/12/21	02/12/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
			<b>LOCKHART, SIDNEY Total</b>		<b>\$138.88</b>				
984662	02/25/21	02/19/21	PARROTT, JEFFREY	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ROW

984662	02/25/21	02/19/21	PARROTT, JEFFREY	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ROW
984662	02/25/21	02/19/21	PARROTT, JEFFREY	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	02/25/21	02/25/21	PARROTT, JEFFREY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ROW
984662	02/25/21	02/25/21	PARROTT, JEFFREY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ROW
984662	02/25/21	02/25/21	PARROTT, JEFFREY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ROW
			PARROTT, JEFFREY Total		\$14.95				
			Grand Total		\$194.20				

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

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -01/30/2021 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	02/22/21	02/01/21	BROWN, JOEL	3	341.85	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/02/21	BROWN, JOEL	5	569.75	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/03/21	BROWN, JOEL	4	455.80	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/04/21	BROWN, JOEL	6	683.70	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/05/21	BROWN, JOEL	1	113.95	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/08/21	BROWN, JOEL	1.5	170.93	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/09/21	BROWN, JOEL	2.5	284.88	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/10/21	BROWN, JOEL	2	227.90	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/11/21	BROWN, JOEL	8	911.60	REGULAR	WRCCON	10000003309	ENG
984656	02/22/21	02/12/21	BROWN, JOEL	2	227.90	REGULAR	WRCCON	10000003309	ENG
			<b>BROWN, JOEL Total</b>		<b>3,988.26</b>				
984664	02/01/21	02/01/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/02/21	02/02/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/03/21	02/03/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/04/21	02/04/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/05/21	02/05/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/08/21	02/08/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/09/21	02/09/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/10/21	02/10/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/18/21	02/18/21	CODE, JEFFREY	1	69.74	REGULAR	WRCCDM	10000003309	INS
984664	02/19/21	02/19/21	CODE, JEFFREY	1	78.53	REGULAR	WRCCDM	10000003309	INS
984664	02/22/21	02/22/21	CODE, JEFFREY	1	78.53	REGULAR	WRCCDM	10000003309	INS
984664	02/23/21	02/23/21	CODE, JEFFREY	1	78.53	REGULAR	WRCCDM	10000003309	INS
984664	02/24/21	02/24/21	CODE, JEFFREY	1	78.53	REGULAR	WRCCDM	10000003309	INS
984664	02/26/21	02/26/21	CODE, JEFFREY	1	78.53	REGULAR	WRCCDM	10000003309	INS
			<b>CODE, JEFFREY Total</b>		<b>1,020.31</b>				
984656	02/12/21	02/01/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/02/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/03/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/04/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/05/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/08/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/09/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/10/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/11/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
984656	02/12/21	02/12/21	LOCKHART, SIDNEY	2	245.72	REGULAR	WRCADM	10000003309	ENG
			<b>LOCKHART, SIDNEY Total</b>		<b>2,457.20</b>				
984664	01/30/21	01/30/21	ROBERTS, PATRICK	9	589.05	OVERTIME	WRCCDM	10000003309	INS
984664	02/02/21	02/01/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/02/21	02/01/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/03/21	02/02/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/03/21	02/02/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/03/21	02/03/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/03/21	02/03/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/05/21	02/04/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/05/21	02/04/21	ROBERTS, PATRICK	4	261.80	OVERTIME	WRCCDM	10000003309	INS
984664	02/05/21	02/05/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/05/21	02/05/21	ROBERTS, PATRICK	3	196.35	OVERTIME	WRCCDM	10000003309	INS
984664	02/09/21	02/08/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/09/21	02/08/21	ROBERTS, PATRICK	3	196.35	OVERTIME	WRCCDM	10000003309	INS
984664	02/10/21	02/09/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/10/21	02/09/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/10/21	02/10/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/10/21	02/10/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/11/21	02/11/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/11/21	02/11/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/11/21	02/12/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/11/21	02/12/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/15/21	02/15/21	ROBERTS, PATRICK	10	654.50	HOLIDAY	WRCCDM	10000003309	INS
984664	02/16/21	02/16/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/16/21	02/16/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/18/21	02/17/21	ROBERTS, PATRICK	8	461.68	REGULAR	WRCCDM	10000003309	INS
984664	02/18/21	02/17/21	ROBERTS, PATRICK	2	130.90	OVERTIME	WRCCDM	10000003309	INS
984664	02/18/21	02/18/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	10000003309	INS
984664	02/18/21	02/18/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	10000003309	INS
984664	02/19/21	02/19/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	10000003309	INS
984664	02/19/21	02/19/21	ROBERTS, PATRICK	3	242.34	OVERTIME	WRCCDM	10000003309	INS
984664	02/22/21	02/22/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	10000003309	INS
984664	02/22/21	02/22/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	10000003309	INS
984664	02/23/21	02/23/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	10000003309	INS
984664	02/23/21	02/23/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	10000003309	INS
984664	02/24/21	02/24/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	10000003309	INS
984664	02/24/21	02/24/21	ROBERTS, PATRICK	3	242.34	OVERTIME	WRCCDM	10000003309	INS
984664	02/25/21	02/25/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	10000003309	INS

984664	02/25/21	02/25/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
984664	02/26/21	02/26/21	ROBERTS, PATRICK	8	569.84	REGULAR	WRCCDM	100000003309	INS
984664	02/26/21	02/26/21	ROBERTS, PATRICK	2	161.56	OVERTIME	WRCCDM	100000003309	INS
			<b>ROBERTS, PATRICK Total</b>		<b>13,897.67</b>				
			<b>Grand Total</b>		<b>21,363.44</b>				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 01/30/2021 - 02/26/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	02/22/21	02/01/21	BROWN, JOEL	3	1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/01/21	BROWN, JOEL	3	7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/01/21	BROWN, JOEL	3	0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/02/21	BROWN, JOEL	5	2.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/02/21	BROWN, JOEL	5	11.70	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/02/21	BROWN, JOEL	5	1.25	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/03/21	BROWN, JOEL	4	1.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/03/21	BROWN, JOEL	4	9.36	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/03/21	BROWN, JOEL	4	1.00	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/04/21	BROWN, JOEL	6	2.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/04/21	BROWN, JOEL	6	14.04	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/04/21	BROWN, JOEL	6	1.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/05/21	BROWN, JOEL	1	0.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/05/21	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/05/21	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/08/21	BROWN, JOEL	1.5	0.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/08/21	BROWN, JOEL	1.5	3.51	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/08/21	BROWN, JOEL	1.5	0.38	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/09/21	BROWN, JOEL	2.5	1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/09/21	BROWN, JOEL	2.5	5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/09/21	BROWN, JOEL	2.5	0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/10/21	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/10/21	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/10/21	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/11/21	BROWN, JOEL	8	3.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/11/21	BROWN, JOEL	8	18.72	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/11/21	BROWN, JOEL	8	2.00	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	02/22/21	02/12/21	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	02/22/21	02/12/21	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	02/22/21	02/12/21	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
			<b>BROWN, JOEL Total</b>		<b>104.66</b>				
984664	02/01/21	02/01/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/01/21	02/01/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/01/21	02/01/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/02/21	02/02/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/02/21	02/02/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/02/21	02/02/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/03/21	02/03/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/03/21	02/03/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/03/21	02/03/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/04/21	02/04/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/04/21	02/04/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/04/21	02/04/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/05/21	02/05/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/05/21	02/05/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/05/21	02/05/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/08/21	02/08/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/08/21	02/08/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/08/21	02/08/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/09/21	02/09/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/09/21	02/09/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/09/21	02/09/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/10/21	02/10/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/10/21	02/10/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/10/21	02/10/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/18/21	02/18/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/18/21	02/18/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/18/21	02/18/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/19/21	02/19/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/19/21	02/19/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/19/21	02/19/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/22/21	02/22/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/22/21	02/22/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/22/21	02/22/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/23/21	02/23/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/23/21	02/23/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/23/21	02/23/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	02/24/21	02/24/21	CODE, JEFFREY	1	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/24/21	02/24/21	CODE, JEFFREY	1	0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	02/24/21	02/24/21	CODE, JEFFREY	1	2.34	ASSIGNED	PC/Computer	100000003309	INS

OMI Seg 5 NESPS Mechanical - Electrical Construction Project - WRC labor-FB-NPF-EQP for 03-17-2021 meeting



OMI Seg 5 NESPS Mechanical - Electrical Construction Project - WRC labor-FB-NPF-EQP for 03-17-2021 meeting

984664	02/23/21	02/23/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
984664	02/24/21	02/24/21	ROBERTS, PATRICK	3	17.07	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/24/21	02/24/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/24/21	02/24/21	ROBERTS, PATRICK	3	1.20	ASSIGNED	Cell Phone	100000003309	INS
984664	02/24/21	02/24/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	02/24/21	02/24/21	ROBERTS, PATRICK	3	7.02	ASSIGNED	PC/Computer	100000003309	INS
984664	02/24/21	02/24/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	02/25/21	02/25/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/25/21	02/25/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/25/21	02/25/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
984664	02/25/21	02/25/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	02/25/21	02/25/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
984664	02/25/21	02/25/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	02/26/21	02/26/21	ROBERTS, PATRICK	8	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/26/21	02/26/21	ROBERTS, PATRICK	2	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	02/26/21	02/26/21	ROBERTS, PATRICK	8	3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	02/26/21	02/26/21	ROBERTS, PATRICK	2	0.80	ASSIGNED	Cell Phone	100000003309	INS
984664	02/26/21	02/26/21	ROBERTS, PATRICK	8	18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	02/26/21	02/26/21	ROBERTS, PATRICK	2	4.68	ASSIGNED	PC/Computer	100000003309	INS
			<b>ROBERTS, PATRICK Total</b>		<b>1,812.45</b>				
			<b>Grand Total</b>		<b>2,208.73</b>				

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

March 3, 2021

Project Invoice #25 (ASI Inv. #7801) **li# 41133 exp. 6/26/21 v#352**

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

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

Invoice Period: 1/31/21 - 2/27/21

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:	\$ 13,995.00
	Subconsultants:	
	NTH Consultants	\$ 31,889.76
	Metco Services	\$ 25,402.00
	FK Engineering:	\$ 2,413.00
	ASI Markup 5%:	\$ 2,985.24
	Total Due This Invoice:	\$ 76,685.00

Total Due This Invoice:	\$ 76,685.00
Previous Amount Invoiced:	\$ 1,914,036.73
Total Invoiced To-Date	\$ 1,990,721.73
Contract Task Total:	\$ 4,198,380.00
Amount Remaining:	\$ 2,207,658.27

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

**JTB 3/10/21**



BioAir Solutions, LLC  
110 Kresson-Gibbsboro Road  
Suite 303  
Voorhees, NJ 08043  
Phone: 856-258-6969  
Fax: 856-258-6975

# Invoice

Invoice No.	Invoice Date
I-21036	3/4/2021

Terms	Due Date
Net 30	4/3/2021

Oakland-Macomb Interceptor Drain  
Drainage District (OMIDDD)  
One Public Works Drive  
Building 95 West  
Waterford, MI 48328-1907

**84915 - 149015 - 730352 - 5719 - 1-2708 - Ch 21 - FAC v# 22748**  
**exp. 5/20/21**  
**li# 42222**

Purchaser	P.O. Number	Customer Reference	BioAir Project	
Joel Brown 248-452-8681	Agreement 00 52 63-1	NESPS Odor/Corrosion Control System	P18126 - OMIDDD NE PS_MI	
Item	Description		Price Each	Amount
	Net 30 days after successful completion of the Performance Testing, but no later than 150 days from the date the equipment is delivered to the job site  Delivery date: 2020-01-05		10,140.50	10,140.50T

Wire Information:  
HSBC Bank USA, N.A.  
452 Fifth Ave., New York, NY 10018  
Phone: 212-525-4955

Acct: 141025344  
ABA: 021001088  
Swift: MRMDUS33

Interest at 1.5% per  
month (18% per annum)  
charged on overdue  
invoices

**Total** **USD 10,140.50**

**Payments/Credits** **USD 0.00**

**Balance Due** **USD 10,140.50**

# CLARK HILL

P.L.C.

A T T O R N E Y S   A T   L A W

212 East Grand River Avenue  
Lansing, Michigan 48906-4328  
Telephone (517) 318-3100  
Fed.ID # 38-0425840

## INVOICE

Invoice # 1065223

Oakland-Macomb Interceptor Drain Drainage District February 12, 2021  
Attn: Kelsey Cooke Client: 58434  
c/o Oakland County Water Resources Commissioner Matter: 404547  
1 Public Works Drive  
Waterford, MI 48328

=====

RE: Northeast Interceptor East Arm Improvements

FOR SERVICES RENDERED through January 31, 2021

Total Services: \$432.00

STATEMENT TOTAL \$432.00

**84917 - 149015 - 731073 - 1-3308 - LEGAL - 5113 - v#2788 - li#39308 - exp. 5/15/21**

**MK 3/4/21**

PAYABLE UPON RECEIPT IN U.S. DOLLARS



# 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

## INVOICE

Invoice # 1067284

Oakland-Macomb Interceptor Drain Drainage District February 19, 2021  
Attn: Kelsey Cooke Client: 58434  
c/o Oakland County Water Resources Commissioner Matter: 316432  
1 Public Works Drive  
Waterford, MI 48328

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

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

FOR SERVICES RENDERED through January 31, 2021

Total Services: \$108.00

INVOICE TOTAL \$108.00

01/15/21 1056907 \$1728.00

Past Due Balance: \$1,728.00

TOTAL AMOUNT DUE \$1,836.00

PAYABLE UPON RECEIPT IN U.S. DOLLARS



CSM Mechanical, LLC  
7400 Hickory Valley Dr.  
Fenton, MI 48430

# Invoice

Date	Invoice #
2/11/2021	21OMIDD-001

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

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

*TM* 2-12-21

P.O. Number	Terms	Due Date
	Net 60	4/12/2021

Quantity	Description	Amount
	Replace 2" Drain On Pump No.5	
1	Labor	95.00
3	Labor - OT	405.00
2	Vehicle/Tool Allowance	150.00
1	Materials	121.68
82912 - 6010101 - 149090 - 730660 - 5817 - Ch. 21 - v#15750 - exp. 6/28/22 - li #42697		

WE ACCEPT MASTER CARD, VISA, AND DISCOVER CARD  "Relentlessly Helping Our Customers Achieve Success by Being an Integral, Caring and Innovative Mechanical Solutions Provider."	<b>Total</b>	\$771.68
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$771.68



CSM Mechanical, LLC  
7400 Hickory Valley Dr.  
Fenton, MI 48430

# Invoice

Date	Invoice #
3/8/2021	21OMIDD005

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

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

P.O. Number	Terms	Due Date
	Net 60	4/27/2021

Quantity	Description	Amount
1	Installation of temporary housekeeping pad  <b>82912-149662-731458-1-3014 Cont #5817 V:157750 Exp: 6/8/22</b>	1,706.06

WE ACCEPT MASTER CARD, VISA, AND DISCOVER CARD  "Relentlessly Helping Our Customers Achieve Success by Being an Integral, Caring and Innovative Mechanical Solutions Provider."	<b>Total</b>	\$1,706.06
	<b>Payments/Credits</b>	\$0.00
	<b>Balance Due</b>	\$1,706.06

INVOICE DATE: DECEMBER 13, 2020  
 INVOICE NO.: 1537008

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

82912 - 149997 - 731073 - 5089 - 1-3020 - Ch. 21 v# 4978 exp. 4/20/22

ATTN: JOHN BASCH



February 8, 2021

CLIENT/MATTER NO.: 012840-00424

RE: REVISION OF OAKLAND COUNTY PURCHASE ORDER FOR MISCELLANEOUS WORK

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH NOVEMBER 30, 2020

USD

TOTAL FEES CURRENT INVOICE .....	\$	1,085.00
<b>TOTAL CURRENT INVOICE .....</b>	<b>\$</b>	<b>1,085.00</b>

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF DECEMBER 13, 2020

<u>INVOICE</u>	<u>DATE</u>	<u>BILLED VALUE</u>	<u>PAYMENTS</u>	<u>OUTSTANDING</u>
1521075	10/21/20	4,760.00	(0.00)	4,760.00
1528917	11/17/20	5,345.22	(0.00)	5,345.22

TOTAL OUTSTANDING FROM PRIOR INVOICES .....	\$	10,105.22
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<b>TOTAL AMOUNT DUE .....</b>	<b>\$</b>	<b>11,190.22</b>
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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: FEBRUARY 16, 2021  
 INVOICE NO.: 1555154

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

**82912- 149030 - 731073 - 5089 - Ch. 20 - v#4978 - exp. 4/30/22**

ATTN: JOHN BASCH



2/18/21

CLIENT/MATTER NO.: 012840-00424

RE: REVISION OF OAKLAND COUNTY PURCHASE ORDER FOR MISCELLANEOUS WORK

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH JANUARY 31, 2021

USD

TOTAL FEES CURRENT INVOICE .....	\$	1,275.00
TOTAL DISBURSEMENTS CURRENT INVOICE .....	\$	25.56
<b>TOTAL CURRENT INVOICE .....</b>	<b>\$</b>	<b>1,300.56</b>

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF FEBRUARY 16, 2021

INVOICE	DATE	BILLED VALUE	PAYMENTS	OUTSTANDING	
1537008	12/13/20	1,085.00	(0.00)	1,085.00	<b>TBP February meeting</b>
1546112	01/19/21	3,255.00	(0.00)	3,255.00	

TOTAL OUTSTANDING FROM PRIOR INVOICES .....	\$	4,340.00
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<b>TOTAL AMOUNT DUE .....</b>	<b>\$</b>	<b>5,640.56</b>
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MK 2/18/21

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: FEBRUARY 16, 2021  
 INVOICE NO.: 1555164

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

ATTN: STEVE KORTH

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

CLIENT/MATTER NO.: 012840-00436

2/18/21



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

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH JANUARY 31, 2021

USD

TOTAL FEES CURRENT INVOICE ..... \$ 1,237.50

**TOTAL CURRENT INVOICE ..... \$ 1,237.50**

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF FEBRUARY 16, 2021

INVOICE	DATE	BILLED VALUE	PAYMENTS	OUTSTANDING
1537675	12/14/20	3,780.00	(0.00)	3,780.00
1546117	01/19/21	2,905.00	(0.00)	2,905.00

**\*TBP Feb. meeting**

TOTAL OUTSTANDING FROM PRIOR INVOICES ..... \$ 6,685.00

**TOTAL AMOUNT DUE ..... \$ 7,922.50****MK 2/18/21**

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)	





EJ USA, Inc.  
PO Box 644873  
Pittsburgh, PA 15264-4873  
800 626 4653

# Invoice

## 110210010206

Invoice Date 02/24/21  
Due Date 03/26/21  
Order No. 0001469675  
Customer No. 20063500  
Customer PO MACOMB INT. SANITARY  
Job Name  
Job Number S2

Bill To:

Ship To:

Oakland Co (WRC) San & Swr  
Attention: Accounts Payable  
1 Public Works Drive  
Waterford MI 48328

Oakland Co (WRC) San & Swr  
1 Public Works Drive  
\* CALL 30 MINUTES PRIOR TO ARRIVAL  
Waterford MI 48328

Line	Item No.	Description	Sales Price	Inv. Qty.	Amount
	Tracking Info:	PRO#			
10	00103643W01	1040ZPT BLT4 OAKLAND MACOMB SA	452.19	5	2,260.95
<div> <div> Fund 82912 Dept 6010101  Prog 149130 Acct 750294  Contract # 5621 Project  Chap 20/21 Op Unit  Approver <i>[Signature]</i> </div> <div> <i>material supplies</i> </div> </div>					
<div> 2-25-2021 OK <i>AD</i> Change To OMI <i>Com</i> </div>					
In order to ensure accurate application of your payments, please include the invoice number on all check or electronic payment remittance information.  For electronic payments, please send all remittance information to:  americas.ar@ejco.com.					

Ordered By:  
Oakland Co (WRC) San & Swr  
Attention: Accounts Payable  
1 Public Works Drive  
Waterford MI 48328

Payment Terms Net 30 Days  
Delivery Terms Ex-Works  
Delivery Date 02/24/21  
Delivery Ticket 2880975  
Delivery Method EJ Truck

Order Total	\$2,260.95
Tax	
Charges	

Thank you for your business. We are driven to deliver unparalleled customer service.

Pay this amount:  
**\$2,260.95 USD**

A monthly finance charge will be added to any unpaid balance which is not paid when due. The finance charges are computed by a periodic rate of 1.5% per month (from and after the due date), which is an annual percentage rate of 18% applied to the unpaid balances after deducting payments made before the due dates and or credits. Payments received on account are applied against the amounts first due.

We hereby certify that these goods were produced in compliance with all applicable requirements of Sec. 6, 7, & 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Sec. 14 thereof.

Current Terms and Conditions are available at ejco.com

Please Remit To:  
ACH Payment  
PNC Bank  
Routing Number: 021052053  
Account Number: 45487629  
americas.ar@ejco.com

Check Payment  
EJ USA, Inc.  
PO Box 644873  
Pittsburgh, PA 15264-4873

# Invoice

<b>Delivery Address</b> Great Lakes Water Authority 11001 E State Fair St Detroit MI 48234	<b>Information</b> <b>Document No.</b> 154410510 <b>Document Date</b> 12/23/2020 <b>Customer PO</b> 005820 <b>Customer Contact</b> Terry Moore <b>Customer No.</b> 1816160  <i>TM</i> 3-5-21			
<b>Invoice Address</b> Oakland Macomb Interceptor Drain Drainage District Acct: 730660 1 Public Works Drive Fund: 82912 Program: 149090 Waterford MI 48328-1907	<b>Terms of Payment / Delivery</b> <b>Terms of Delivery</b> FCA PLANT OF ORIGIN <b>Terms of Payment</b> 15 days net <b>Due Date</b> 01/07/2021			
<b>Invoice Details</b> Provided labor and materials to evaluate issues with crane function. Verified everything is good, and tested.  Thank you for your business!!				
<b>Item</b>	<b>Material Description</b>	<b>Quantity</b>	<b>Unit price USD</b>	<b>Value USD</b>
Service Request Num & Delivery Date: 1-92887517074 / 0157317080 / 12/10/2020				
10	12/10/20 Service Call Out Evaluated crane after call that it was not functioning properly. Found everything was in line.	4.5 EA	187.50 / EA	843.75
20	Fuel Surcharge	1 EA	35.00 / EA	35.00
30	Manlift Surcharge	1 EA	75.00 / EA	75.00
Invoice Value				953.75
Sales Tax				0.00
Invoice Total				953.75

DET-Detroit, MI  
43050 W. 10 Mile Road  
NOVI MI 48375-3206  
USA

Phone No. 248-380-2626  
Fax No. 248-380-8595

Contact: Denise Collins  
Email: denise.collins@konecranes.com



**McNAUGHTON-McKAY**  
ELECTRIC COMPANY  
DEPT# 14801  
PO BOX 67000  
DETROIT, MI 48267-0148  
(248) 399-7500  
Email questions to:  
Invoicingnr@mc-mc.com

# INVOICE

DOCUMENT: Invoice

CUST.#: 22552

SHIP TO:

OAKLAND COUNTY DRAIN OPER  
522 S OPDYKE RD  
PONTIAC, MI 48341-3120

BILL TO:

OAKLAND COUNTY DRAIN COMMISSIO  
155 N OPDYKE RD  
PONTIAC, MI 48342-2965

UPC V	INVOICE DATE	INVOICE NO.
000000	03/03/21	21213894-00
SALESMAN	P.O. NO.	PAGE #
1ge	913 950	1
DATE AND TIME PRINTED		
03/04/21		01:00

INSTRUCTIONS			
SHIP POINT	SHIP VIA	SHIPPED	TERMS
MADISON HEIGHTS BRANCH	UPS GROUND	03/03/21	Net30

LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY. SHIPPED	UNIT PRICE	PRICE U/M	AMOUNT (NET)
1	ALBR931NC122 A-B 931N-C122 SIGNAL CON DITIONER	3	0	3	356.56	E	1069.68
1	Lines Total #44332	Qty Shipped Total		3	Total		1069.68
					Invoice Total		1069.68

Peng ST - OMID PM PS Maint

Fund	82912	Dept	6010101
Prog	149090	Acct	75294
Contract #	6186	Project	—
Chap 20/21	—	Op Unit	—
Approver	Matt		

emailed to WRC Invoices 3/5/21  
MC signed 3/4/21  
Parts rcd 3/4/21  
Invoice RCD via email 3/4/21

Last Page

Date: 03/04/21 Time: 01:00 User: 9oer

The sale of products and services by Seller is subject to Seller's general terms and conditions of sale ("Seller's Terms") as attached to this document or as otherwise posted on Seller's website at <https://www.mc-mc.com/terms>. Seller objects to and rejects any terms or conditions that may appear on or are referenced in Customer's purchase order or other document that are in addition to or otherwise inconsistent with Seller's Terms. Customer's receipt or acceptance of delivery of any ordered item above will constitute its acceptance of Seller's Terms. The above link also includes Seller's Return Policy for customer reference.



DATE: March 4, 2021

INVOICE PERIOD: thru 2/28/2021

Vendor ID 0000020486

Deputy Chief Engineer/Special Projects Manager

**TITLE: OMID & NESPS Operation and Maintenance**

JTB 3/9/21

Subtotal OMID Operatons:	\$	5,220.00
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JTB 3/9/21

Subtotal NEPS Operations	\$	8,955.16
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**Subtotal Operations**      \$      14,175.16

JTB 3/9/21

**Subtotal OMID Maintenance:     \$       5,220.00**

JTB 3/9/21

**Subtotal: \$ 48,902.50**

**Subtotal NEPS Maintenance: \$ 49,591.91**

**Subtotal Maintenance: \$ 54,811.91**

<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	29.0	\$ 145.00	\$ 4,205.00
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	160.0	\$ 90.00	\$ 14,400.00
Brandon Brochue	Designer/Drafter	0.0	\$ 85.00	\$ -
			<b>Subtotal 6.0:</b>	<b>\$ 18,695.00</b>

JTB 3/9/21

**Task 12.0 - As-Needed Services** 82912-149090-730940

JTB 3/9/21

**Additional General/Excess Liability Insurance Fee: \$ 30,599.21**

**Subtotal 12.0: \$ 30,599.21**

**TOTAL AMOUNT DUE THIS INVOICE: \$ 118,281.28**





**NTH Consultants, Ltd.**

Infrastructure Engineering and  
Environmental Services

# INVOICE

**84917 - 6010101 - 149015 - 731444 - 2603 - 1-3008- ch 21**

**v#4716 - li#24138 - exp. 13/31/21**

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

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

Attention: Sid Lockhart

For Professional Services Rendered from 1/23/2021 - 2/19/2021

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:	3.88%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 8,676.43	\$ 15,815.87
Overhead %	188.00	\$ 16,311.69	29,733.83
Total Regular Labor Expense		24,988.12	45,549.70
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>24,988.12</b>	<b>45,549.70</b>
<b>Profit / Fixed Fee %</b>	12.00	<b>2,998.57</b>	<b>5,465.96</b>
Direct Expenses Charge		0.00	37.56
Expense Multiplier %	5.00	0.00	1.88
Direct Subcontractor Charge		9,548.03	42,625.40
Subcontractor/Subconsultant Multiplier %	6.00	572.88	2,557.52
Direct Unit Rate Charge		0.00	0.00
<b>Total Other Direct Charges Reimbursables</b>		<b>10,120.91</b>	<b>45,222.36</b>
<b>Total Costs:</b>		<b>38,107.60</b>	<b>96,238.02</b>
<b>Total Due This Invoice</b>		<b>\$ 38,107.60</b>	<b>\$ 96,238.02</b>

**REMIT TO:** NTH Consultants, Ltd. – 41780 Six Mile Road – Suite 200 – Northville MI – 48168-3459  
Please include Project No. and Invoice No. on remittance.

**TERMS:** Due upon receipt. One percent (1%) interest per month charged on invoices over 30 days old.

Payment for all invoices is expected as per contract terms. All retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.





**NTH Consultants, Ltd.**

Infrastructure Engineering and  
Environmental Services

# INVOICE

**84917- 6010101 - 149015 - 731458 - 2603 - 1-3009- ch 21 - engcon  
v#4716 - li#24138 - exp. 13/31/21**

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

Invoice # : 5  
Project : 61-200280  
Invoice Group : CMT  
Invoice Date : 3/3/2021

Attention: Sid Lockhart

For Professional Services Rendered from 1/23/2021 - 2/19/2021

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

Task 01	CMT Services	<b>\$130,138.00</b>
	Preliminary Budget Amount	<b>\$130,138.00</b>
	Percent Complete:	22.75%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 2,386.91	\$ 7,216.23
Overhead %	188.00	\$ 4,487.39	13,566.51
Total Regular Labor Expense		6,874.30	20,782.74
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>6,874.30</b>	<b>20,782.74</b>
<b>Profit / Fixed Fee %</b>	12.00	<b>824.92</b>	<b>2,493.93</b>
Direct Expenses Charge		712.38	6,034.29
Expense Multiplier %	5.00	35.62	301.71
Direct Subcontractor Charge		0.00	0.00
Subcontractor/Subconsultant Multiplier %	6.00	0.00	0.00
Direct Unit Rate Charge		0.00	0.00
<b>Total Other Direct Charges Reimbursables</b>		<b>748.00</b>	<b>6,336.00</b>
<b>Total Costs:</b>		<b>8,447.22</b>	<b>29,612.67</b>
<b>Total Due This Invoice</b>		<b>\$ 8,447.22</b>	<b>\$ 29,612.67</b>

**REMIT TO:** NTH Consultants, Ltd. – 41780 Six Mile Road – Suite 200 – Northville MI – 48168-3459  
Please include Project No. and Invoice No. on remittance.

**TERMS:** Due upon receipt. One percent (1%) interest per month charged on invoices over 30 days old.

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NTH Consultants, Ltd.

Infrastructure Engineering and  
Environmental Services

# INVOICE

82912 - 6010101 - 149662 - 731906 - 2603 - 1-2842 - ch 21 - std -  
v#4716 - li#24138 - exp. 13/31/21

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

Invoice # : 8  
Project : 61-200209  
Invoice Group : HSM/CSE  
Invoice Date : 3/3/2021

Attention: Sid Lockhart

For Professional Services Rendered from 1/23/2021 - 2/19/2021

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
	<b>Preliminary Budget Amount</b>	<b>\$47,787.00</b>
	<b>Percent Complete:</b>	64.29%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	643.62	\$ 7,466.24
Overhead %	188.00 \$	1,210.01	14,036.53
Total Regular Labor Expense		1,853.63	21,502.77
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>1,853.63</b>	21,502.77
<b>Profit / Fixed Fee %</b>	12.00	<b>222.44</b>	2,580.33
Direct Expenses Charge		0.00	3,194.86
Expense Multiplier %	5.00	0.00	159.75
Direct Subcontractor Charge		0.00	3,100.00
Subcontractor/Subconsultant Multiplier %	6.00	0.00	186.00
Direct Unit Rate Charge		0.00	0.00
<b>Total Other Direct Charges Reimbursables</b>		<b>0.00</b>	6,640.61
<b>Total Costs:</b>		<b>2,076.07</b>	<b>30,723.71</b>
<b>Total Due This Invoice</b>		<b>\$ 2,076.07</b>	<b>\$ 30,723.72</b>

REMIT TO: NTH Consultants, Ltd. – 41780 Six Mile Road – Suite 200 – Northville MI – 48168-3459  
Please include Project No. and Invoice No. on remittance.

TERMS: Due upon receipt. One percent (1%) interest per month charged on invoices over 30 days old.

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**NTH Consultants, Ltd.**Infrastructure Engineering and  
Environmental Services**INVOICE**OMI Drain Drainage District  
One Public Works Drive  
Building 95 West  
Waterford, MI 48328Invoice # : 21  
Project : 61-190078  
Invoice Group : NI-EA  
Invoice Date : 3/3/2021

Attention: Sid Lockhart

For Professional Services Rendered from

1/23/2021 - 2/19/2021

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

**84917 - 6010101 - 149015 - 730639 - 2603 - 1-3308 - Ch.21**  
**v#4716 - li#24138 - exp. 13/31/21**

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:	77.20%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 2,993.41	\$ 250,648.94
Overhead %	188.00	5,627.61	471,220.03
Total Regular Labor Expense		8,621.02	721,868.97
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>8,621.02</b>	<b>721,868.97</b>
<b>Profit / Fixed Fee %</b>	12.00	1,034.52	86,624.27
Direct Expenses Charge		30.00	26,836.83
Expense Multiplier %	5.00	1.50	1,341.89
Direct Subcontractor Charge		38,659.95	866,731.78
Subcontractor/Subconsultant Multiplier %	6.00	2,319.60	52,004.04
Direct Unit Rate Charge		0	0
<b>Total Other Direct Charges Reimbursables</b>		<b>41,011.05</b>	<b>946,914.54</b>
<b>Total Costs:</b>		<b>50,666.59</b>	<b>1,755,407.78</b>
<b>Total Due This Invoice</b>		<b>\$ 50,666.59</b>	<b>\$ 1,755,407.78</b>

REMIT TO: NTH Consultants, Ltd. – 41780 Six Mile Road – Suite 200 – Northville MI – 48168-3459  
Please include Project No. and Invoice No. on remittance.

TERMS: Due upon receipt. One percent (1%) interest per month charged on invoices over 30 days old.

Payment for all invoices is expected as per contract terms. All retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.



**NTH Consultants, Ltd.**

Infrastructure Engineering and  
Environmental Services

# INVOICE

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

Attention: Sid Lockhart

Invoice # : 25  
Project : 61-190044  
Invoice Group : REPAIRS  
Invoice Date : 3/3/2021

For Professional Services Rendered from

01/23/2021 - 02/19/2021

OMID System Immediate Repairs

**82912 - 6010101 - 149662 - 730639 - 2603 - 1-3015 - ch 21 - engcon  
v#4716 - li#24138 - exp. 13/31/21**

AMP/Inspection Reports (Task 01)  
Rehabilitation Design (Task 02)  
Construction Observation (Task 03)

\$4,587.37  
\$71,617.66  
\$178,109.97  
\$254,315.00

Analysis of Costs		This Invoice	Cumulative
Direct Salaries (Task 01 & 02)		\$ 7,848.25	\$ 41,434.73
Overhead %	188.00	14,754.71	77,897.28
Total Regular Labor Expense		22,602.96	119,332.01
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>22,602.96</b>	<b>119,332.01</b>
<b>Profit / Fixed Fee %</b>	<b>12.00</b>	<b>2,712.36</b>	<b>14,319.84</b>
Direct Expenses Charge		1,469.94	2,392.82
Expense Multiplier %	5.00	73.50	169.65
Direct Subcontractor Charge		1,053.21	38,793.26
Subcontractor/Subconsultant Multiplier %	5.00	52.66	1,939.71
Direct Unit Rate Charge		0.00	0.00
<b>Total Other Direct Charges Reimbursables</b>		<b>2,649.31</b>	<b>43,295.44</b>
<b>Total Costs:</b>		<b>27,964.63</b>	<b>176,947.29</b>
<b>Total Due This Invoice</b>		<b>\$ 27,964.63</b>	<b>\$ 176,947.29</b>

**REMIT TO:** NTH Consultants, Ltd. – 41780 Six Mile Road – Suite 200 – Northville MI – 48168-3459  
Please include Project No. and Invoice No. on remittance.

**TERMS:** Due upon receipt. One percent (1%) interest per month charged on invoices over 30 days old.

Payment for all invoices is expected as per contract terms. All retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.



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

March 4, 2021

Invoice No: 03559.01 - 9

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

**Professional Services from February 1, 2021 to February 28, 2021**

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Zann, John	31.00	94.00	2,914.00	
Totals	31.00		2,914.00	
<b>Total Labor</b>				<b>2,914.00</b>

**Additional Fees**

Overhead	149.10 % of 2,914.00	4,344.77	
Profit	10.00 % of 7,258.77	725.88	
<b>Total Additional Fees</b>		<b>5,070.65</b>	<b>5,070.65</b>

**Billing Limits**

	<b>Current</b>	<b>Prior</b>	<b>To-Date</b>
Total Billings	7,984.65	60,013.68	67,998.33
Limit			450,000.00
Remaining			382,001.67

**Total this Invoice \$7,984.65**

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

**84917 - 6010101 - 149015 - 731444 - 5158 - 1-3309 - ch21 - engcon - v#16918 - exp. 6/20/22**

**Agenda Item No. 12**

Present Resolution regarding Electronic and Telephonic  
Meetings Procedures

## **MICHIGAN DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT**

### **POLICY FOR PROPOSED DRAIN CODE PUBLIC BODY ELECTRONIC AND TELEPHONIC MEETINGS PROCEDURES**

Proposed rules and procedures developed by the Michigan Department of Agriculture and Rural Development (“MDARD”), to protect health, safety, and welfare by developing meeting procedures, for presentment to and approval by public bodies on which the MDARD director or director-designated deputy (“Director”) serves as chairperson pursuant to the Michigan Drain Code, Act 40 of 1956, *et seq.* (“Drain Code”), in compliance with the Michigan Open Meetings Act, Act 267 of 1976, *et seq.* (“OMA”).

### **THE MICHIGAN DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT DECLARES AS FOLLOWS:**

**Section I. Title.** This policy may be cited as the Michigan Department of Agriculture and Rural Development Proposed Drain Code Public Body Electronic and Telephonic Open Meetings Act Procedures (“Policy”).

**Section II. Purpose.** It is the intent of MDARD to develop reasonable rules and procedures in compliance with Sections 3 and 3a of the Michigan Open Meetings Act, Act 267 of 1976, *et seq.*, for presentment to and approval by public bodies on which the Director serves as chairperson pursuant to the Drain Code, for fully electronic or telephonic meetings of the public bodies or in which there exists the absence of a member or members of such bodies, and which may minimize the possibility of disruptions during such electronic or telephonic meetings. This Policy and the proposed rules and procedures contained within are not intended to apply to MDARD in general or any of the public bodies related to MDARD that are not created and convened pursuant to the Drain Code.

### **Section III. Presentment to Public Body for Approval.**

A. The reasonable rules and procedures, as set forth in Section IV. (“Proposed Procedures”), shall be presented to each public body, convened after the date of adoption, that has not adopted rules and procedures required by Sections 3 and 3a of the OMA.

B. For a meeting of a public body scheduled after March 30, 2021, but before January 1, 2022, where the public body has not approved rules and procedures required by Sections 3 and 3a of the OMA and a declared statewide or local state of emergency is in effect within the jurisdiction of the public body, the Director shall declare that the meeting will be held fully electronically, for both members of the public body and the public, and will ensure compliance with the OMA and requirements under these Proposed Procedures in scheduling and hosting fully-electronic meetings. At the beginning of the meeting of the public body described in this paragraph, after any necessary administrative positions on the public body have been assigned, the public body shall consider and adopt rules and procedures to comply with Sections 3 and 3a of the OMA. If the public body fails to adopt said rules and procedures, the Director shall declare the meeting



adjourned due to non-compliance with the OMA and no further action of the public body shall be taken.

#### **Section IV. Proposed Rules and Procedures for Adoption by Public Body**

##### **ELECTRONIC AND TELEPHONIC MEETINGS PROCEDURES**

Procedures developed by the Michigan Department of Agriculture and Rural Development (“MDARD”), to protect health, safety, and welfare by developing meeting procedures, for presentment to and approval by the Oakland-Macomb Interceptor Drain Drainage Board, in compliance with the Michigan Open Meetings Act, Act 267 of 1976, *et seq* (“OMA”).

##### **THE OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD DECLARES AS FOLLOWS:**

**A. Title.** These rules and procedures may be cited as the Oakland-Macomb Interceptor Drain Drainage Board Electronic and Telephonic Open Meetings Act Procedures (“Procedures”).

**B. Purpose.** It is the policy of the Oakland-Macomb Interceptor Drain Drainage Board (the “Public Body”) to develop reasonable rules and procedures in compliance with Sections 3 and 3a of the Michigan Open Meetings Act, Act 267 of 1976, *et seq*, for fully electronic or telephonic meetings of the Public Body, or in which there exists the absence of a member or members of the Public Body, and which may minimize the possibility of disruptions during such electronic or telephonic meetings.

##### **C. *Electronic and Telephonic Meetings Authorization.***

1. Authorization to hold remote electronic and telephonic meetings. Sections 3 and 3a of the Michigan Open Meetings Act provide that a physical place is not required for meetings held, in whole or in part, electronically by telephonic or video conferencing, in the following circumstances:

- a. Before January 1, 2021, under any circumstance;
- b. On or after March 31, 2021 through December 31, 2021, only in circumstances in which there is an absence of a member(s) of the body due to:
  - i. Military duty;
  - ii. A medical condition; or
  - iii. A statewide or local state of emergency or state of disaster declared pursuant to law or charter by the Governor or a local official or local governing body that would risk the personal health or safety of

members of the public or the public body if the meeting was held in person.

- a. For the purpose of permitting an electronic meeting due to a local state of emergency or state of disaster, only to permit the electronic attendance of a member of the Public Body who resides in the affected area or to permit the electronic meeting of a public body that usually holds its meetings in the affected area.
- c. After December 31, 2021, only in circumstances requiring accommodation of members absent due to military duty.

2. Physical Presence. At a meeting that accommodates members absent due to military duty or a medical condition, only those members absent due to military duty or a medical condition may participate electronically. Any other member must be physically present at the meeting.

3. Notice of Needed Accommodation. Members of the Public Body that must meet electronically on account of the member's military duty or medical condition, shall file a Notice of Needed Accommodation with the MDARD director or director-designated deputy ("Director"). Copies of the Notice of Needed Accommodation will be available through the Director's office and shall be submitted seventy-two (72) hours in advance of the first meeting the member will participate in electronically on account of their medical condition or military duty. Once filed, the Notice of Needed Accommodation will remain in effect until it is withdrawn by the member or until the public body can no longer accommodate the member's electronic participation under the Open Meetings Act. It is a member's sole responsibility to withdraw a Notice of Needed Accommodation if they cease to have a medical condition or no longer have military duty obligations that enable their electronic participation. A Notice of Needed Accommodation filed with the Director only applies to this Public Body. A separate Notice of Needed Accommodation must be filed for any other public body overseen by the Director for which electronic attendance is sought.

4. Attendance at Meetings Held Electronically In-Part. Members of the Public Body or members of the public participating electronically in a meeting held pursuant to these Procedures that occurs in a physical space in part are to be considered present and in attendance at the meeting for all purposes.

5. Meetings Held Fully Electronically. When a statewide or local state of emergency has been declared within the jurisdiction of the Public Body, meetings of the Public Body shall be held fully electronically for both members of the Public Body and the public. When a meeting of the Public Body is scheduled pursuant to the Drain Code, the Director shall ensure that the meeting is conducted as an electronic meeting when a statewide or local emergency is in place. In the event that a fully electronic meeting is scheduled due to a statewide or local state of emergency, and the state of emergency is rescinded prior to the date of the meeting, the Director shall take such action as necessary to reschedule the meeting in compliance with the OMA.

6. Participation Requirement. A meeting of the Public Body held electronically must be conducted in a manner that permits two-way communication so that members of the Public Body can hear and be heard by other members of the Public Body, and so that public participants can hear members of the Public Body and can be heard by members of the Public Body and other participants during a public comment period. The Public Body may use technology to facilitate typed public comments that may be read to or shared with members of the public body and other participants.

***D. Notice Requirements***

1. Notice Requirements. Notices of any electronic meeting shall be posted on a portion of MDARD's website fully accessible to the public at least 18 hours before the meeting. The public notice on the website must be included on either the homepage or on a separate webpage dedicated to public notices for non-regularly scheduled or electronic meetings that is accessible through a prominent and conspicuous link on the website's homepage that clearly describes its purpose for public notification of non-regularly scheduled or electronic public meetings. The public notice shall contain the following information:

- a. Why the Public Body is meeting electronically;
- b. Which member(s) of the Public Body will be participating in the meeting electronically;
- c. How members of the public may participate in the meeting electronically, including a telephone number, internet address, or both;
- d. How members of the public may contact members of the Public Body to provide input or ask questions on any business that will come before the Public Body at the meeting; and
- e. How persons with disabilities may participate in the meeting.

2. Agendas. If an agenda exists for a meeting held pursuant to these Procedures, the Director shall make the agenda available to the general public through MDARD's website at least two (2) hours before the meeting begins.

***E. Electronic and Telephonic Meeting Procedures.*** Consistent with the authority to establish reasonable rules under the OMA and the obligation of the public bodies to establish procedures for electronic meetings authorized by the OMA, such meetings shall be conducted in accordance with the following Procedures:

1. Use of Electronic Service. Public Body members and the public may participate in electronic meetings through software or interface using electronic conferencing and telephone as facilitated by the Public Body.

2. Muting. During the meeting, each participant shall be permitted to mute or unmute themselves to the extent it does not create any distractions or disruptions of the meeting. To the extent necessary, a meeting host may mute or unmute participants to facilitate effective two-way communication.

3. Public Comment. Members of the public shall speak only when called upon. The Public Body will then designate an opportunity for each member of the public to be heard. Members of the public not speaking should remain muted unless and until called upon to provide comment or shall not otherwise cause disruptions. The Public Body shall make reasonable rules at a meeting to facilitate public comment in an orderly manner.

4. Public Announcement. For any member of the Public Body attending electronically, the member must make a public announcement at the outset of the meeting, to be included in the meeting minutes, that the member is in fact attending the meeting electronically. If the member is attending electronically for any other purpose other than for military duty, they shall identify their location by stating the city/township/village, county, and state from which they are attending.

5. Contacting Absent Members. Members of the public shall be noticed of the absence of a member of a Public Body through the notice required in Section D of these Procedures. The public may contact those absent members prior to the meeting to provide input on any business that will come before the public body by emailing or calling the Public Body with information provided in the notice. The Director shall then compile the input and transmit it to the absent member in advance of the meeting for which the member is absent. "Absent member" is defined as any member authorized to participate in a meeting electronically.

6. Roll Call. During the electronic and telephonic meeting, members of the Public Body will vote by roll call to avoid any questions about how each member of the Public Body votes. Each member of the Public Body must be asked how they vote, and their name and vote must be recorded in the minutes.

7. Right to Record. The right of a person to participate in an electronic meeting includes the right to tape-record, to videotape, to broadcast live on radio, and to telecast live on television the proceedings of the meeting. The exercise of this right does not depend on the prior approval of the Public Body. However, individuals shall at a minimum provide written or oral notice to the Public Body prior to the start of an electronic meeting of their intent to tape-record, videotape, broadcast, or telecast the meeting.

8. Registration. The Public Body may not require a person participating in an electronic meeting to register or otherwise provide his or her name or other information or otherwise to fulfill a condition precedent to attendance, other than mechanisms necessary to permit the person to participate in the public comment period of the meeting.

9. Breach of Peace. A person must be permitted to address the Public Body during an electronic meeting under these Procedures, provided that no specific rules by order of the Public Body are not needed to address specific circumstances or technical issues that arise

during the meeting. A person must not be excluded from an electronic meeting otherwise open to the public except for a breach of the peace committed during the meeting.

10. Closed Session. Members of the general public participating in an electronic meeting may be excluded from participation in an electronic closed session of the Public Body if the closed session is convened and held in compliance with the requirements of the OMA applicable to a closed session.

11. Discussion, Deliberation, and Voting. The Public Body's electronic meeting will effectuate as fully as possible, the purposes of the OMA, which include promoting government accountability and fostering openness in government to enhance responsible decision-making. Except as it relates to closed sessions, the full discussions and deliberations of the Public Body, not just the voting, must still be done with public access.

12. Additional Rules. The chair or host of an electronic meeting has the authority to ensure that the meeting is conducted in an orderly manner. This includes the ability to institute additional rules and procedures reasonably necessary to further the requirements of the OMA.

***F. Review of Procedures.*** The Director shall review these Procedures if any substantive changes are made to the current provisions of the Michigan Open Meetings Act, Act 267 of 1976, *et seq*, and present any proposed revisions to the Public Body for re-approval as necessary.

***G. Validity and Severability.*** If any part of these Procedures are declared by any court of competent jurisdiction to be invalid, that declaration does not affect the validity of the remainder of the Procedures.

***H. Repealer.*** While in effect, these Procedures supersede all policies (or parts of policies) of the public body that conflict with these Procedures.

***I. Effective Date.*** These Procedures are effective immediately.

Adopted by the Oakland-Macomb Interceptor Drain Drainage Board.

**Section V. Review of Policy and Proposed Procedures.** The Director shall review this Policy and the Proposed Procedures contained herein if any substantive changes are made to the current provisions of the Michigan Open Meetings Act, Act 267 of 1976, *et seq*, and present any proposed revisions to public bodies for re-approval as necessary.

**Section VI. Validity and Severability.** If any part of this Policy is declared by any court of competent jurisdiction to be invalid, that declaration does not affect the validity of the remainder of the Policy.

**Section VII. Repealer.** While in effect, this Policy supersedes all policies (or parts of policies) of MDARD that conflict with this Policy, only as it relates to the public bodies addressed in this Policy.

**Section VIII. Effective Date.** This Policy is effective immediately.

Adopted by the Michigan Department of Agriculture and Rural Development.

## **Agenda Item No. 13**

Other Business



**Agenda Item No. 14**

Adjourn