

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

December 15, 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 December 15, 2021
3. Motion to approve the Drainage District Board Meeting Minutes from November 17, 2021
4. Public Comment
5. Motion to approve the following Engineering Work Order:
 - a) NTH EWO to extend contract #2603 and increase in the amount of \$72,849 for as-needed NESPS Maintenance Engineering Support Services
6. Motion to approve the following Change Order:
 - a) Walsh Construction Change Order No. 17 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$128,278.95
7. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 14 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$1,191,714.60 with a transfer to the Oakland County Treasurer in the amount of \$132,412.75
 - b) Construction Estimate No. 11 for Walsh Construction for CS-9 Gate Installation in the amount of \$154,054.32 with a reserve payment to the Contractor in the amount of \$15,187.22
 - c) Construction Estimate No. 9 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$518,452.12 with a transfer to the Oakland County Treasurer in the amount of \$57,605.79
8. Report/Update – Status of OMID Repairs Project
9. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing

- a) Memorandum requesting the Board to approve the transfer of \$1,500,000 from the Undesignated Reserves Fund to the Emergency Reserves Fund to cover the remaining costs associated with CS-6 Bypass System effort

10. 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 NESPS Odor Corrosion Study	\$	341.85
	• Segment 5 NI-EA Construction	\$	6,547.12
	• Segment 5 NESPS Mech./Elect. Construction	\$	22,978.15
2)	Equipment Charges		
	• Segment 4 NESPS Odor Corrosion Study	\$	8.97
	• Segment 5 NI-EA Construction	\$	193.23
	• Segment 5 NESPS Mech./Elect. Construction	\$	1,933.26
3)	Mileage		
	• Segment 4	\$	151.20
b)	ASI, Inc.		
	Invoice No. 34	NESPS	\$ 82,707.44
c)	CH2M		
1)	Invoice No. 34	O&M	\$ 2,908.33
2)	Invoice No. 35	O&M	\$ 1,813.14
d)	Clark Hill		
1)	Invoice No. 1146384	O&M	\$ 1,404.00
2)	Invoice No. 1146133	NI-EA	\$ 2,754.00
3)	Invoice No. 1149879	NI-EA	\$ 15,498.00
e)	Cortis Bros.		
	Invoice No. 8799	O&M	\$ 3,121.02
f)	Dickinson Wright		
1)	Invoice No. 1635136	O&M	\$ 525.00
g)	Meadowbrook Insurance Group		
	Invoice No. 84957	NESPS	\$ 46,665.00
h)	Mersino		
1)	Invoice No. 88220	O&M	\$ 142,046.20
2)	Invoice No. 88225	O&M	\$ 708,080.45
3)	Invoice No. 88478	O&M	\$ 399,430.56
i)	METCO		
	Invoice No. 1811-35	O&M	\$ 64,984.00
j)	NTH Consultants, Ltd		
1)	Contract No. 1 PCI-4		
	Invoice No. 12	NI-EA	\$ 61,297.38
2)	NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4		
	Invoice No. 30	NI-EA	\$ 57,872.07
3)	Repairs – OMID System Immediate Repairs		
	Invoice No. 34	O&M	\$ 4,966.53
4)	Rehabilitation Program 2021 Closeout Services		
	Invoice No. 59	NI-EA	\$ 6,125.77
k)	PMA Consultants		
1)	Invoice No. 03559.01-17	NESPS	\$ 11,848.19
2)	Invoice No. 03559.01-18	NESPS	\$ 13,908.75

11. Other Business
12. Discussion regarding the Drainage District “Work in Progress” Reporting as permitted under section 8(e) of the Open Meetings Act which is exempt from public disclosure as subject to the attorney-client privilege pursuant to section 13(1)(g) of the Freedom of Information Act
13. Discussion regarding the GLWA Model Sewage Contract as permitted under section 8(e) of the Open Meetings Act which is exempt from public disclosure as subject to the attorney-client privilege pursuant to section 13(1)(g) of the Freedom of Information Act
14. Adjourn

Next Regular Meeting: January 19, 2021 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from November 17, 2021

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

November 17, 2021

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held via GoToMeeting on the 17th day of November at 11:30 a.m. Eastern Standard Time. Due to the COVID-19 pandemic, the meeting was conducted virtually in accordance with PA 254 of 2020, as may be amended from time to time and/or as otherwise provided by law.

PRESENT:

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

OTHERS PRESENT:

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

1. Call meeting to order.

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

2. Agenda.

Motion by Miller, supported by Nash, to approve the November 17, 2021 agenda as presented.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

3. Minutes.

Motion by Nash, supported by Miller, to approve the minutes of the October 20, 2021 meeting.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE

NASH: AYE

4. Public Comment.
None.

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

- a) Walsh Construction Change Order No. 16 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$498,851.64. Motion by Miller, supported by Nash, to approve the Change Order as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

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

- a) Construction Estimate No. 13 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$900,803.35 with a transfer to the Oakland County Treasurer in the amount of \$100,089.27. Motion by Nash, supported by Miller, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

NASH: AYE

- b) Construction Estimate No. 8 for Marra Services for NIEA Contract No. One for PCI 4 Rehabilitation in the amount of \$370,293.58 with a transfer to the Oakland County Treasurer in the amount of \$41,143.73. Motion by Miller, supported by Nash, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

NASH: AYE

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

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE
NASH: AYE

8. 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 Nash, to receive and file the financial reports.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
NASH: AYE

9. Invoices.

The following invoices were submitted to the Board for approval:

a)	Reimbursement of Oakland County WRC-Incurred Expenses and Costs		
1)	Labor/Fringes/Non-Direct Labor Factor		
	• Segment 5 NI-EA Construction	\$	4,189.74
	• Segment 5 NESPS Mech./Elect. Construction	\$	18,671.70
2)	Equipment Charges		
	• Segment 5 NI-EA Construction	\$	145.97
	• Segment 5 NESPS Mech./Elect. Construction	\$	1,833.43
b)	ASI, Inc.		
	Invoice No. 33	NESPS	\$ 70,894.03
c)	Clark Hill		
1)	Invoice No. 1140188	NI-EA	\$ 1,504.50
2)	Invoice No. 1140214	NI-EA	\$ 3,564.00
d)	Dickinson Wright		
1)	Invoice No. 1602750	O&M	\$ 150.00
2)	Invoice No. 1624185	O&M	\$ 150.00
3)	Invoice No. 1624182	O&M	\$ 712.50
e)	GLWA		
	Service date: 10-5-2021	NESPS	\$ 133.00
f)	METCO		
	Invoice No. 1811-34	O&M	\$ 70,591.40
g)	NTH Consultants, Ltd		
1)	Consulting Services 2021 OMID Inspection		
	Invoice No. 5	O&M	\$ 853.50
2)	Contract No. 1 PCI-4		
	Invoice No. 11	NI-EA	\$ 75,160.36
3)	Eng./Consult. Services NESPS CMT		
	Invoice No. 13	NESPS	\$ 1,863.77
4)	NESPS Safety Manual and Crane Support		
	Invoice No. 15	O&M	\$ 1,940.11
5)	NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4		
	Invoice No. 29	NI-EA	\$ 31,861.13
6)	Repairs – OMID System Immediate Repairs		
	Invoice No. 33	O&M	\$ 933.59

7)	Rehabilitation Program 2021 Closeout Services			
	Invoice No. 58	NI-EA	\$	2,774.21
h)	Rotor Electric Company			
1)	Invoice No. 12446	O&M	\$	77,910.00
2)	Invoice No. 12456	O&M	\$	59,850.00

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

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

NASH: AYE

10. Proposed 2022 Meeting Dates.

The proposed Drainage Board meeting dates for 2022 (as attached) were presented. Motion by Nash, supported by Miller, to approve the 2022 meeting dates as presented.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

NASH: AYE

11. Other Business.

None.

12. Adjourn.

Motion by Nash, supported by Miller, to adjourn the November 17, 2021 meeting at 1:20 p.m.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

NASH: AYE

Next Regular Meeting: December 15, 2021 at 11:30 a.m., Eastern Standard Time via GoToMeeting.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District, at a meeting held on November 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 17th day of November, 2021.



Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Engineering Work Order



Oakland-Macomb Interceptor Drain Drainage District

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

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

**SUBJECT: NTH EWO for As-Needed Northeast Sewage Pumping Station (NESPS)
Maintenance Engineering Support Services**

DATE: December 15, 2021

NTH has previously provided major maintenance engineering support services for the NESPS, including development of a Health and Safety Plan, rehabilitation and inspection of the 4-ton crane, wet well sedimentation inspection, and discharge chamber Tnemec coating failure inspection and repair evaluation. There are currently additional NESPS major maintenance engineering support needs that we believe NTH is well-suited to provide also:

- NESPS Health and Safety audit for 2021 and 2022.
- Control Structure 6 (CS-6) emergency bypass system design
- NESPS wet well bar screen-mechanized debris removal preliminary design.

Accordingly, we asked NTH to develop the attached December 3, 2021 cost proposal for the above tasks, which are summarized as follows:

Task 1: NESPS Health and Safety Audit

NTH will perform a safety audit of the NESPS facility for the 2021 and 2022 years as a good-practice initiative for the station. This will include a site visit to identify the various health and safety concerns associated with the NESPS facility. A spreadsheet delineating compliance with safety measures will be provided as a deliverable along with workshops to discuss.

Task 2: Control Structure 6 (CS-6) Emergency Bypass System Design

After recent electrical and pumping failures at the NESPS, under the direction of the OMIDDD, Cortis Brothers/ Mersino Dewatering, Inc. installed a temporary dewatering system south of the Control Structure CS-6 yard and including adjacent structures in the ITC corridor following the recommendations of the emergency action plan. Due to the significant time and cost undertaken to fuse and lay the bypass piping, OMIDDD has requested the OMIDDD Design Team to prepare design details to bury the above-ground bypass pumping lines as a permanent set up for future use. NTH will lead the design effort for this. More specific tasks are contained in the attached Engineering Work Order and NTH's proposal.

Task 3: NESPS Wet Well Bar Screen – Mechanized Debris Removal Investigation

NTH has researched various options to remove debris via mechanical means. A mechanized means of debris removal would avoid the hazards of manned wet well entry and allow the pump station to keep in operation. Upon conclusion of the research, it appears National Liquid Blasting (NLB) Corporation can develop a mechanized, efficient way to remove ragging on the NESPS bar screens that is currently being removed by hand. NTH will further a “Proof of Design” and facilitate progress meetings with NLB to develop a contract where NLB ultimately builds the equipment and implements a performance test on the bar screen.

The associated fees for the above tasks are as follows:

1. NESPS Health and Safety Audit	\$16,137
2. CS-6 Emergency Bypass System Design	\$39,643
3. NESPS Wet Well Bar Screen Mechanized Debris Removal Investigation	\$17,069
Total:	\$72,849

An Engineering Work Order has been created to modify the existing contract to include these services and increase the existing contract by a not-to-exceed amount of \$72,849. There are sufficient funds in the major maintenance reserves to cover these costs. NTH is to prepared to begin immediately on these tasks.

In addition, it was noted NTH’s contract is set to expire on December 31, 2021. Previous approved EWOs for services related to the NESPS Pumping and Electrical Upgrades project may run through December 31, 2023. As such, we also recommend that NTH’s contract be extended to that time.

Requested Action: Approve the attached Engineering Work Order to increase contract #2603 by a not-to-exceed amount of \$72,849 for the above services and extend the contract expiration to December 31, 2023.

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

One Public Works Drive

Phone: (248) 858-0958

Waterford, Michigan 48328-1907

No. -

ENGINEERING WORK ORDER

FOR: Additional OMID NESPS Maintenance Engineering Services

Amendment to Contract #2603 For Additional Professional Services

TO: NTH Consultants, Ltd.

DATE: 12/3/21

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 Oakland-Macomb Interceptor Drain (OMID) Northeast Sewage Pumping Station (NESPS) maintenance engineering activities that falls under the aforementioned sections of contract #2603. This EWO also includes additional design scope for hydrogen sulfide sampling and ventilation requirements on the NI-EA Contract No. 2 Project. This EWO serves as your approval for compensation of the following additional services as delineated in your attached December 3, 2021 proposal.

A. NESPS Maintenance Engineering Services**Task 1: NESPS Health and Safety Audit**

- Under this task, NTH will perform a safety audit of the NESPS facility for the 2021 and 2022 years as a good-practice initiative for the station. This will include a site visit to identify the various health and safety concerns associated with the NESPS facility, including the emergency generators, the VFD Drives, and the interior and exterior of the station including areas or systems identified during meetings/discussions with the NESPS Facility Manager. NTH will also review OSHA/MIOSHA requirements for a First Aid Area for the NESPS. A spreadsheet delineating compliance with safety measures will be provided as a deliverable, along with a sit-down meeting with OMID and the NESPS Facility Manager to review the results.

DESCRIPTION (Cont'd)**Section A-Engineering Services and Section C Compensation for Engineering Services, Item No. Additional Special Services and Exhibit D – Estimated Fees****Task 2: Control Structure 6 (CS-6) Emergency Bypass System Design**

After recent pumping and electrical failure at the NESPS, under the direction of the OMIDDD, Cortis Brothers/ Mersino Dewatering, Inc. installed a temporary dewatering system south of the Control Structure CS-6 yard and including adjacent structures in the ITC corridor following the recommendations of the emergency action plan. Due to the significant time and cost undertaken to fuse and lay the bypass piping, OMIDDD has requested the OMIDDD Design Team to prepare design details to bury the above-ground bypass pumping lines as a permanent set up for future use. The current task related to CS-6 Emergency By-pass System Design involves the following:

- Survey the installed above-ground by-pass HDPE pumping lines. Using the topographic information obtained from previous OMID projects, prepare a set of as-built drawings of the currently installed by-pass pumping lines.
- Meet with OMIDDD, Cortis Brothers, and Mersino to discuss “lessons learned” during installation of the existing by-pass system.
- Prepare design drawings and details to show HDPE discharge piping below ground with a down gradient to the discharge point to ensure gravity drainage to the discharge outlet.
- Review historical documents to identify the presence of existing utilities, if any, along the proposed route.
- Review historical documents and assist OMIDDD to identify existing utility easements along the ITC corridor.
- Design a precast roof for the existing Control Structure CS-4 with access hatches. Also, provide a rehabilitation design for the deteriorated riser section extending above ground.
- Prepare drawings to show the required permanent easements along the bypass alignment. Coordinate meeting(s) with ITC and OMIDDD to discuss project easement requirements.
- Prepare design details to raise existing pumping manhole risers to above grade. Also, provide semi-permanent aggregate-surfaced laydown pads at each pumping location.
- Provide design details for discharge locations to prevent disturbance of existing landscape near the discharge areas.

Task 3: NESPS Wet Well Bar Screen – Mechanized Debris Removal Investigation

Work with National Liquid Blasting (NLB) Corporation to develop a mechanized, efficient way to remove ragging on the NESPS bar screens that is currently being removed by hand. Specific tasks are as follows:

- Conduct preliminary research and development of available options
- Assistance with NLB’s “Proof of Principle” concepts and coordination with the OMIDDD

DESCRIPTION (Cont'd)**Section A-Engineering Services and Section C Compensation for Engineering Services, Item No. Additional Special Services and Exhibit D – Estimated Fees**


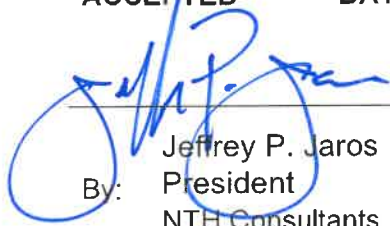
- Provide/coordinate NESPS facility information with NLB Product Development Team and assist during field performance testing
- Facilitate as needed progress meetings between NLB and OMIDDD representatives

The associated fees for the above tasks are as follows:

1. NESPS Health and Safety Audit	\$16,137
2. CS-6 Emergency Bypass System Design	\$39,643
3. NESPS Wet Well Bar Screen Mechanized Debris Removal Investigation	\$17,069
Total:	\$72,849

This EWO also extends NTH's Contract through December 31, 2023 to provide these services and others from previously approved Work Orders.

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 \$72,849. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

PREPARED DATE: 12/6/21By: Joel Brown, P.E.
Project Engineer
OCWRCRECOMMENDED DATE: 12/7/2021By: Stephen Downing, P.E.
Construction and Maintenance Manager
MCPWOACCEPTED DATE: 12-07-2021By: Jeffrey P. Jaros
President
NTH Consultants, Ltd.APPROVED DATE: 12/10/2021By: Sid Lockhart, P.E.
Special Projects Manager
OCWRC

Approved by Drainage Board on: _____

Agenda Item No. 6

Change Order

CHANGE ORDER NO. SEVENTEEN

Oakland Macomb Interceptor Drain, Drainage District (OMIDDD)

For Construction of the Pump and Electrical Upgrades Project

Northeast Sewage Pumping Station (NESPS)

Located in the City of Detroit, Wayne County, Michigan

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

Authorization for: 1.) Provide support services for the removal and reinstallation of Sewage Pump Motor # 5 to facilitate off-site repairs; 2.) Provide reimbursement to the subcontractor for delays incurred during the removal of Knife Gate Valve # 1 (KGV#1); 3.) Provide surface cleaning and coating for the main Sewage Pump "Suction Spool" piping adapters; 4.) Provide reimbursement for the additional effort to sawcut and remove the existing concrete encased electrical conduit in the lower level of the new Electrical Building.

Address:

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

Change Order No. 17 Date: December 03, 2021

N o.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
17 #1	<p><u>LOCATION:</u></p> <p>The Northeast Sewage Pumping Station; Detroit, Wayne County, Michigan</p> <hr/> <p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Provide support services for the emergency repairs required for the (failed) Sewage Pump # 5 motor.</p> <p><u>REASON:</u></p> <p>The medium voltage motor for Pump # 5 failed in service, and as an integral part of the NESPS pumping capacity, required removal from the facility, transport to an off-site repair shop, and re-installation upon return. The necessary support services included erection of specialized scaffolding for motor disassembly, physical disconnection of the motor from the support base, and rigging to remove the motor for loadout. Upon return from repair, similar services were provided for the successful motor reinstallation process.</p>	LS	1 ea.	\$33,019.38	\$33,019.38	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 17

N o.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
17 #1	Attachment: Walsh PCI # 970092					
17 #2	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Provide reimbursement to the mechanical subcontractor for expenses incurred during the delayed removal of Knife Gate Valve # 1 (KGV#1) resulting from Flow Control management restrictions initiated by NESPS Operational issues.</p> <p><u>REASON:</u></p> <p>The removal of KGV #1 required a carefully planned orchestration of specialized rigging equipment and support devices that were procured prior to the originally scheduled removal date. The proposed work encountered a series of delays due to facility equipment issues as well as a directed delay considered necessary to allow other OMID Projects to continue prioritized active work. Following detailed negotiations, the costs incurred due to these delays were assessed equitably between the Project Owner and the subcontractor. The basis for the charges were established primarily on the value of outside rental equipment, and included deletion of the normal subcontractor markup allowance.</p> <p>Additionally, permanent upgrade modifications were provided to the owner-furnished fabricated steel stop plate to reduce the volume of leakage into the wet well area during the KGV installation procedure.</p> <p>Attachment: Walsh PCI # 970096, Rev.1</p>	LS	1 ea.	\$71,282.90	\$71,282.90	-0-
17 #3	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Provide for blast cleaning and specialized coating for the five (5) ea. "Suction Spools" for Sewage Pumps # 1,2,3,5, and 6.</p> <p><u>REASON:</u></p> <p>The "Suction Spools" are the conical shaped adapters that transition the existing intake piping</p>	LS	1 ea.	\$9,534.39	\$9,534.39	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 17

N o.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
17 #3	<p>underlying the Pump Room floor to the intake portion of the pump volute. These custom fabrications were provided as elements of the overall Sewage Pump componentry, however, unlike the steel discharge piping, were not specified to include the high performance interior coating typical for other system components.</p> <p>Upon consideration, and in the interest of long term performance, it was determined that an application of the coating system for the suction spools as used elsewhere in the piping system would provide overall value to the facility.</p> <p>The cost of this additional effort also includes the logistics required for transportation of the suction spools to and from the Toledo, OH coating facility.</p> <p>Attachment: Walsh Construction PCI # 970105</p>					
17 #4	<p><u>DESCRIPTION (Change/ Extra):</u></p> <p>Reimburse the subcontractor for the extra demolition effort required to demolish and remove the existing electrical duct bank now exposed in the new Electrical Building lower level area.</p> <p><u>REASON:</u></p> <p>The existing underground concrete-encased electrical duct bank provides primary power to the NESPS originating from the substation at the NE Water Purification Plant and will remain in service until the near-completion of the NESPS Pump & Electrical Upgrades Project. At this time, the NESPS can accept primary power from the newly installed transformers and main electrical switchgear. The original duct bank can be then removed from service and demolished.</p> <p>The subcontractor's work plan for this task originally proposed a plan for the demolition debris to be removed through an opening in the basement wall adjacent to the existing electrical manhole # 9. However, the actual as-built location of MH # 9 proved to be much closer to the basement wall, thereby negating this option. Alternatively, the demolition subcontractor will now be required to manually transport the</p>	LS	1 ea.	\$14,442.28	\$14,442.28	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 17

N o.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
17 #4	<p>significant quantity of demolition debris in small quantities to the exterior of the building for disposal.</p> <p>In addition, it was discovered that the electrical conduit (comprised of 6 ea., 3" dia. lines) in this section of the duct run was comprised of rigid steel pipe rather than the anticipated PVC or fiber material, as indicated elsewhere. This material change requires significantly greater effort to manually remove the steel pipe as compared to typical conduit installations .</p> <p>The additional cost for resolving this unanticipated condition was ultimately resolved following a lengthy series of detailed negotiations with the subcontractor and CMAR.</p> <p>Attachment: Walsh Construction PCI # 970053, Rev. # 9</p> <p align="center">*****</p> <p align="center">End of Change Order No. 17 Line Items</p>					
					Amount Increase	Amount Decrease
				Totals	\$128,278.95	-0-
				Net Changes (Increase)	\$ 128,278.95	-----

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 17

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

Date: 12-09-2021

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

Date: 12/9/2021

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

Date: 12/10/21

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

Date: 12/10/2021

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

Date: _____

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

Date: _____

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

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

Accepted by: _____ Date: _____
Title

of: Walsh Construction Co. II, Inc.

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

This Change Order No. 17 was approved by the Drainage Board on: Date: _____

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 17

Attachment No. 1 to Change Order No. Seventeen

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

Contract Status Summary
Change Order No. Seventeen
OMID NESPS Pump & Electrical Upgrades Project

Construction Manager at Risk: Walsh Construction Co. II

Project Award Date (Pre-Construction Services)	December 16, 2019
Notice to Proceed Date (Construction Phase)	October 23, 2020
Contract Substantial Completion Date	March 24, 2023
Contract Final Completion Date	June 23, 2023
Original GMP Contract Value (Including Control Structure 9)	\$ 42,863,185.19
Pre-Construction Phase, Unused Budget	\$ 70,196.70
Previous C.O. Values, # 7, 8, 9, 10, 11, 12, 13, 14, 15, and # 16	\$ 1,756,402.86
Change Order Value, this C.O. # 17	\$ 128,278.95
<i>Adjusted GMP Contract Value (incl. this C.O. # 17)</i>	\$ 44,818,063.70

Agenda Item No. 7

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. Fourteen
Page One of Two

Nov. 01, 2021 through Nov. 30, 2021

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

Construction Manager at Risk:	Vendor # 23191	LI 43331; exp. 12/16/22
Walsh Construction Co.		Date of Contract: Dec. 16, 2019
3031 West Grand Boulevard, Suite 640		Final Completion Date: July 28, 2023
Detroit, MI 48202	Contract No. 5977	

Orig. GMP amount for Pump & Elec. Upgrades Project, not including CS-9 and Pre-Const. Balance	\$44,107,745.18
Expended Pre-Construction Phase Amount	(\$1,174,363.30)
<i>Unused Pre-Construction Phase Budget</i>	(\$70,196.70)
<i>CS-9 Budget from GMP</i>	(\$3,251,117.72)
NESPS Pump & Elec. Upgrades Original Contract Budget	\$39,612,067.46
Change Orders, This Estimate: Number 16	\$498,851.64
Previous C.O.s: (C.O.# 7, 8, 9, 10, 11,12, 13, 14, and 15)	\$1,257,551.22
Unused Pre-Construction Phase Budget	\$70,196.70
<u>Adjusted Construction Contract Amount:</u>	<u>\$41,438,667.02</u>
Sub-Total To Date: (CS-9 Costs are Not included on this Estimate)	\$17,718,249.15 ✓
Less Deductions:	None
Gross Estimate: (Work in Place) Complete = 43%	\$17,718,249.15 ✓
Less Amount Reserved (Incl. Partial Subcon. Reductions - See Schedule)	\$1,705,944.82 ✓
Total Amount Allowed To Date:	\$16,012,304.33
Less Previous Estimates:	\$14,820,589.73
Current Payment Due	\$1,191,714.60 ✓
Reserve Pay to Contractor:	\$0.00
Balance to Finish: \$23,720,417.87 ✓	Accounting Auditor:
<u>Amount To Be Reserved (From Above):)</u>	<u>\$1,705,944.82</u>
Less Previous Transfers To Reserve (N/I CS-9 Contract Retention)	\$1,573,532.07
<u>Amount of Current Transfer</u>	<u>\$132,412.75</u>

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

Regular Construction Estimate No. Fourteen
Page Two of Two

11/01/ 2021 through 11/30/ 2021

Prepared by:



Date:

12-09-2021

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

Recommended by:



Date:

12/9/2021

John Michalski, P.E., ASI

Recommended by:



Date:

12/10/21

Joel Brown, P.E. Oakland County WRC

Recommended by:



Date:

12/10/2021

Stephen Downing; Macomb County OPWC

Approved for Payment by:

Date:

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

Regular Construction Estimate No. 14 (November, 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

Application No.11 (10/01/21 to 11/30/21; Two Month Period)

Department No.:	6010101	Account No.:	730352
Fund No.:	84917	Program No.:	149015
Project No.:	514263	Activity:	FAC

Construction Manager at Risk, Walsh Construction Co. 3031 West Grand Boulevard, Suite 640 Detroit, MI 48202	Vendor # 23191 Contract No. 5977	LI 43331; exp. 12/16/22 Date of Contract: Final Completion Date:	Dec. 16, 2019 July 28, 2023
--	-------------------------------------	--	--------------------------------

Original Construction Contract Amount: (CS-9 Gate Gate Installation)	\$3,251,117.72
Previous Change Orders: C.O. # 9-1, 9-2, #2, #3 and 11-7 (Including CO-11, Item 7 ; \$4,717.51)	\$63,100.29
Change Orders This Estimate: None	\$0.00
Total Net Change Orders:	\$63,100.29
Adjusted Contract Amount:	\$3,314,218.01
Sub-Total To Date: (CS-9 Charges only are included on this Estimate)	\$3,258,292.25
Less Deductions:	None
Gross Estimate: (Work in Place) 98% Complete	\$3,258,292.25
Less Amount Reserved: L.S. Value, with partial subcon. Reductions- See Schedule)	\$171,159.96
Total Amount Allowed To Date:	\$3,087,132.29
Less Previous Estimates: Paid under CS-9, App # 10	\$2,917,890.75
Net Pay Request To Be Paid To Contractor:	\$154,054.32
Reserve Payment to Contractor:	\$15,187.22
Balance to finish: \$209,988.08	Accounting Auditor:
Reserve Payment	\$171,159.96
Less Previous Transfers To Reserve:	\$186,347.18
Amount of Current Transfer: Retention Reduction Paid to Contractor	\$15,187.22

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

Date: 12-9-2021

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

Date: 12/9/2021

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

Date: 12/10/21

Recommended by: Stephen Downing
Stephen Downing; Macomb County OPWC

Date: 12/10/2021

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

Date: _____

Regular Construction Estimate No. 11- CS-9 (Oct - Nov, 2021)

Approved By Board On: _____

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

Regular Construction Estimate No. 9

Period: 11/01/21 through 11/30/21

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

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

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

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

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


Original Construction Contract Amount	\$14,732,510.00
Previous Change Orders:	\$664,392.00
Change Orders This Estimate: None	\$0.00
Total Net Change Orders:	\$664,392.00
Adjusted Contract Amount:	\$15,396,902.00
Sub-Total To Date	\$5,624,819.24
Less Deductions: None	\$0.00
Gross Estimate, Work in Place: 36.5% Complete	\$5,624,819.24
Less Amount Reserved (10%)	\$562,481.92
Total Amount Allowed To Date:	\$5,062,337.32
Less Previous Estimates	\$4,543,885.20
Net Payment Request To Be Paid To Contractor:	\$518,452.12
Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$9,772,082.76	Accounting Auditor:
Amount to be Reserved from Above	\$562,481.92
Less Previous Transfers To Reserve:	\$504,876.13
Amount of Current Transfer	\$57,605.79

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

Date: 12-02-2021

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

Date: 12-03-2021

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

Date: 12/10/21

Recommended by: 
Stephen Downing; Macomb County OPWC

Date: 12/10/2021

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

Date: _____

Regular Pay Estimate No. 9; Nov., 2021

Approved By Board On: _____

Agenda Item No. 8

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

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

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

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

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

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

December 15, 2021 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (December 3, 2021) for the work completed for the Oakland-Macomb Interceptor Drain Repair Program (SRF Segments 1-4; Contract 7 PCI-4 repairs; Maintenance Repairs in PCI-5 through PCI-11A; Control Structure Modifications; NIEA Repairs; NESPS Upgrades; Odor/ Corrosion Control System, and other related work):

SRF Segment 1 Status:

Contracts 1&2 – Complete

System-wide Odor/Corrosion Study – Contract Extended to 5/15/2022

Engineering Consultant: Jacobs

Project Budget Summary (including EWOs):

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

Status of Major Project Tasks:

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

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).

December 15, 2021 OMIDDD Board Meeting

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

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

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

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

SRF Segment 3 Status:

Contract 4: Complete

SRF Segment 4 Status:

Contract 5A/5B – Complete

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

Contract 6 – Complete

Contract 7 (NIEA 110 feet of Emergency Rehab) – Complete, although deterioration noted in early 2021; also see NIEA Contract 1 Summary. A further manned inspection of PCI-4 adjacent to the NESPS gatehouse was planned, but has been delayed to December, 2021 due to flow control and Confined Space Entry support issues. Representatives of the Project Owner, the Contractor, the Engineer, and the lining manufacturer will participate in an effort to better understand the deteriorating condition of the current spray-on cementitious lining material. This section of PCI-4 currently planned for re-lining (using GFRPMP) under NIEA OMID Contract 1 (PCI-4 Rehabilitation).

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

Construction Complete

December 15, 2021 OMIDDD Board Meeting

NESPS & OMID Maintenance & Repairs Status:

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

Schedule Status: Ongoing

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

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

Additional work being performed under Metco Maintenance Contract for NESPS:

- Flow control operations related to OMID/MID sewer repair/upgrade projects ongoing.
- Mechanical and Electrical corrective/preventative maintenance schedules continue.
- Coordination between GLWA, MID, NESPS, Pump/Electrical Upgrade Project has not affected station operations nor hindered performance or abilities to meet demands.
- Wet well sediment inspection and barscreen cleaning took place on November 10, 2021. Sediment increased 1.5 feet on average from previous inspection. Bar-screen conditions were deemed satisfactory
- The OMIDDD Project Team is researching methods for using high pressure water onsite for bar screen cleaning and has met with representatives of the NLB Corporation for a presentation on potential screen cleaning equipment. Further consideration of this technology is ongoing; several questions to be addressed by NLB.
- NESPS Health and Safety Plan finalized.

December 15, 2021 OMIDDD Board Meeting



Status of bar-screens during sediment inspection

Overall Station Performance Report:

- Sanitary Pumps #2, #4, #5, and #6 are ready for duty with no issues to report. Pump capacity on December 2, 2021 is 500-cfs.
- Sanitary Pump #5 was repaired and tested and currently performing without any issues since October 26, 2021.
- Sanitary Pump #1 remains out of service as part of the upgrade project. The Pump #1 knife gate valve has been removed under flow control. It is flanged off with no leaks.
- Existing Transformer 4 and Standby Generator remain for supply and back-up.
- New Transformer 3 has been energized and remains ready for connection.
- NEXGEN asset management in use.
- Gas detection faults/alarms have been investigated investigation by contractor and reviewed by the OMID team in both dry and wet wells. Protocols related to alarming have been modified by OMIDDD.
- A revised parameter change for the HVAC system was put in place to correct inconsistencies within the program. OMIDDD has reviewed and accepted changes.
- Bio Filter performance normal with no odor complaints or issues to report. Parameters checked daily and shared with Bio Aire on a weekly basis.
- Overall General Housekeeping tasks in order.

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

- Daily flow control operations now support MID/OMID/GLWA repair and improvement projects.
- All LOTO protocols are in-place with no issues to report.
- System-wide communications are good.
- CS-6 in stand-by mode ready for service. MCPWO is working on a modification to communication protocols.
- CS-7 in stand-by mode ready for service.
- CS-8 in stand-by mode ready for service.

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- CS-5 in stand-by mode ready for service.
- CS-9 developed actuator oil leaks on both gate #1 and #2. Each actuator was pulled and delivered to manufacturer's shop. Repairs are complete. CS-9 gate cleaning and level sensor calibration certification is scheduled for November 9, 2021. CS-9 leak test and Hobas lining inspection scheduled for November 10, 2021. Tasks related to CS-9 gate cleaning/level sensor calibration were completed on November 9, 2021. The report revealed minor level sensor adjustments were required. A gate leak test and inspection of damaged Hobas liner were completed on November 10, 2021 with the report currently under review by OMIDDD
- Routine daily rounds and inspection made with no other maintenance issues to report at this time.

Other System Operation Issues

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

OMID Control Structure Upgrades Status:

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

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

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

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

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

Schedule and Progress Status:

- Remaining 3-year spot repair work consists of step removal at one manhole in PCI-8, delayed due to access issues and timing of other work.
- The 6-Year inspection began July 8, 2021 and is on hold pending flow control availability. Inspections remain to be completed in PCI-7 and PCI-8.
- Some damage noted to the CIPP Liner installed in 42" section of PCI-11A. Design Team is finalizing options for repair.

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NIEA Repairs (Design/Construction)

Amt Invoiced: \$2,162,305 out of currently projected study/design budget of \$2,400,570; Total design and construction budget currently is \$44,168,770 (including contingencies and admin/legal). Contract 1 construction work is now complete to approximately 30.1% of the Contract value, based on the current application for payment.

Schedule Status: Contract 1: The project is currently behind schedule by several weeks primarily due to flow control issues; the Contractor is modifying work sequencing schedule to improve the current schedule delay impacts.

Contract 2: 100% design work complete; expected to bid in January 2022 pending permit issues and coordination with GLWA projects that impact flow control management requirements.

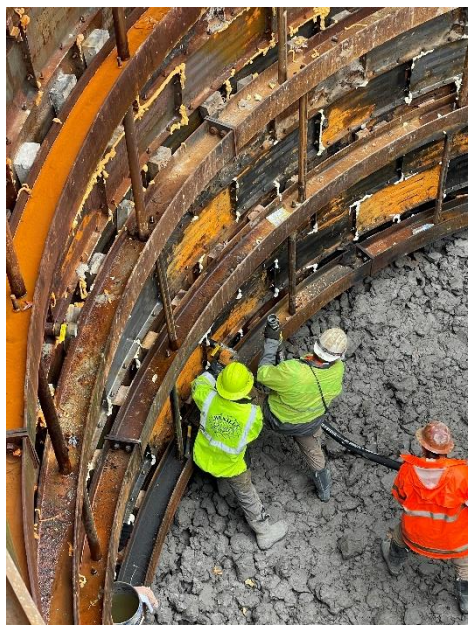
Progress for both contracts is summarized:

Contract 1 (PCI-4 Rehabilitation)

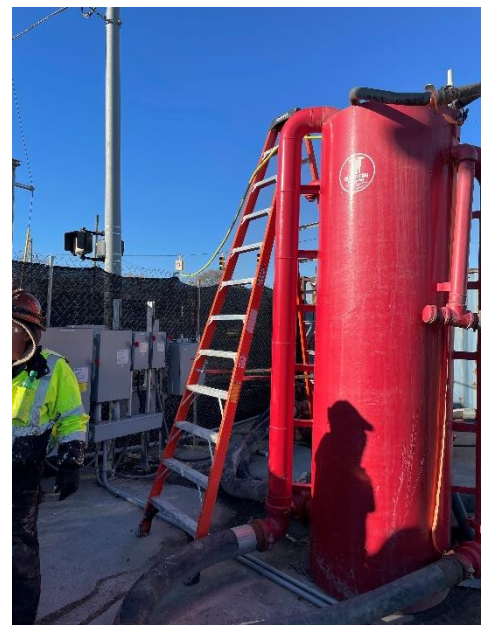
- PCI-4 Interceptor Outer Drive Access Shaft excavation has resumed with the internal rib system installation now complete to near the crown of the existing PCI-4 Interceptor. Soil and ground water conditions continue to be favorable.
- Geotechnical monitoring of construction activities indicates continuing stable conditions.
- Delivery of Channeline lining segments continues.
- Upper 110 ft of PCI-4; re-lined only 3 years ago, is now undergoing failure of applied material. Team continues to work with the material supplier (Milliken) to determine cause; although proceeding with re-lining under NIEA Contract 1.



Excavation reaches NIEA in early December, 2021



Grouting the shaft annulus in late November, 2021



A portion of the onsite dewatering system.

December 15, 2021 OMIDDD Board Meeting

Contract 2 (PCI -18/19 Rehabilitation)

- NI-EA OMID Contract No. 2 PCI-18 & 19 Rehabilitation has been workshopped with OMIDDD and the team continues to develop a 100% final design.
- Flow control necessary to complete Contract 2 work is expected to impact a downstream GLWA project (DB—226). The Project Team continues to monitor DB-226 project schedule with respect to the NIEA Contract 2 schedule. Contract 2 is being structured such that potential interference between the two contracts can be mitigated.
- Current City of Detroit permitting issues have also forced delay of the bid advertising date (now expected in January 2022).
- A protocol for inspection and monitoring to compliment the pilot study is drafted for internal and GLWA review. This protocol will be included in the 100% design package as notes.
- Working with GLWA to develop cost sharing agreement; Draft agreement is being prepared for GLWA review.

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

Work Item/ Milestone	Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
Lining Study Final Report	\$126,744		10/30/2019
90%, 100% Design Package			3/20/2020 and 4/28/2020 (Contract 1) 4/16/2021* and TBD* (Contract 2)
MDEQ Submittal (Part 41)			4/28/2020 (Contract 1) TBD* (Contract 2)
Issued for Bid			6/10/2020 (Contract 1) TBD* (Contract 2)
Bid Opening			9/30/2020 (Contract 1) TBD* (Contract 2)
Contract Award and NTP			12/16/2020 and 1/04/2021 (Contract 1) TBD* (Contract 2)
Subtotal - Design	\$2,400,570		
Final Completion of Construction	\$3,500,000	\$35,000,000	07/23/2022* (Contract 1) 10/30/2023* (Contract 2)

*Estimated Date

NESPS Pump and Electrical Upgrades Project

Budget Status: \$1,280,139 billed out of current Design Budget of \$1,382,430; \$968,018 out of the current CCA Budget of \$2,443,262. Total construction budget currently established as \$44,080,284.50, including contingencies and admin/legal, through C.O. #14). The total amount invoiced to date as of November 30, 2021 is \$17,718,249.15 (not including the Control Structure 9 Bulkhead Gate facility), representing 43.0% of the project adjusted contract value.

Schedule Status: Current reported delivery dates of the main sewage pumps and motors are delayed which may ultimately impact substantial and final completion dates by several

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months. The Construction Manager is working to find options for schedule improvement.

The following Design Team Effort work is active:

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

The following Construction Services work is active:

- Construction Phase services (RFI's, Submittals) are ongoing, and the engineering team is reviewing and responding.
- Knife gate #1 has been removed and is currently undergoing rehabilitation.
- Interior electrical work is nearing completion with conduit and switchgear installation proceeding favorably. The Electrical building is now enclosed with the installation of overhead doors complete and temporary heat sources in operation.
- Masonry work on electrical building is essentially complete.
- Discharge piping work is underway on Pumps #1 and #3, including pressure testing.
- The **draft** line item schedule and budget are summarized:

Work Item/ Milestone	Design/CCA Budget	Const Budget	Estimated Delivery Date
2 Final Basis of Design			5/31/2019
7 MDEQ Submittal (Part 41 Permit)			4/8/2020 (initial pkg)
8 90% Design Submittal			6/30/20
9 Final Package Development			8/14/2020
Subtotal - Design	\$3,826,000	\$43,581,019	
10 Substantial Completion	\$2,500,000 (est.)	\$43,300,000 (est.)	3/24/2023
11 Final Completion			6/23/2023

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**NESPS Refurbishment
Project Location**



Roof drain plumbing



Lay-out of alignment for Pump #1

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**Adjustments to flow meter flange bolt at
Pump #3 discharge pipe**



**Final acceptance walk-through of Electrical
building roof**



Aerial view of NESPS in October 2021

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CS-9 Gate Installation

Budget Status:

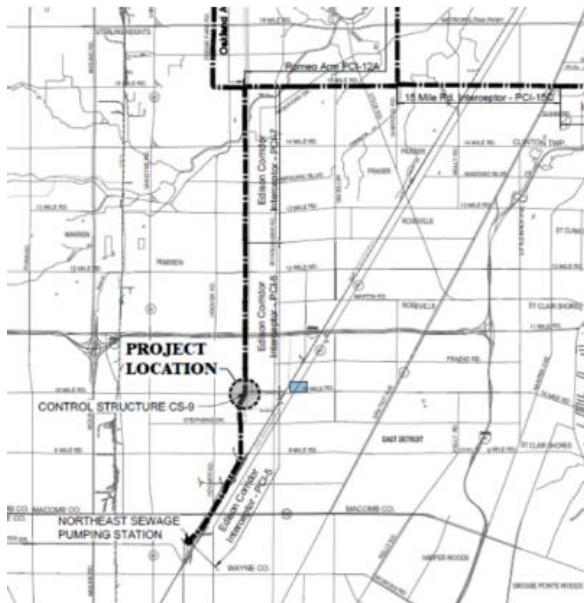
Total construction budget currently established as approximately \$3,314,218.01

Schedule Status:

Engineering/Design efforts complete; Work is now estimated at 99% complete based on current Progress Payment Applications, and the project is moving through final adjustments for equipment operation and flow control monitoring.

The following work is active:

- Hydrogate gate has been installed.
- Site restoration, final leak testing, and minor punchlist items remain.
- Work is now estimated at 99% complete based on Progress Payment Applications. Current projections indicate final completion is imminent.
- Site restoration is substantially complete and will be fully completed following full CS-9 commissioning.
- The hatch covers that fell into the sewer have damaged the HOBAS liner. HOBAS representatives and Insurance Adjusters (Builder's Risk Insurance Claim) have been on-site to assess the damage with Doetsch Environmental engaged to provide repair services.
- Accuracy of reporting Issues have been reported with the level sensor and gate actuator. Walsh will be working to address these issues in December 2021.



CS-9 Project location

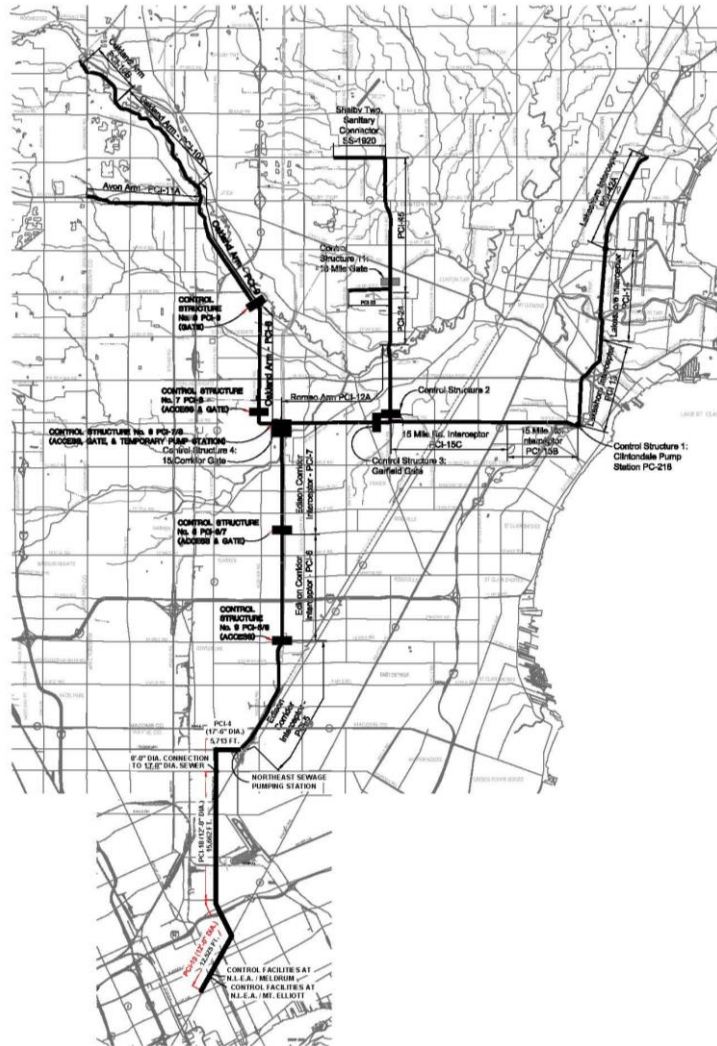
December 15, 2021 OMIDDD Board Meeting

Summary of OMID Design and Construction Status:

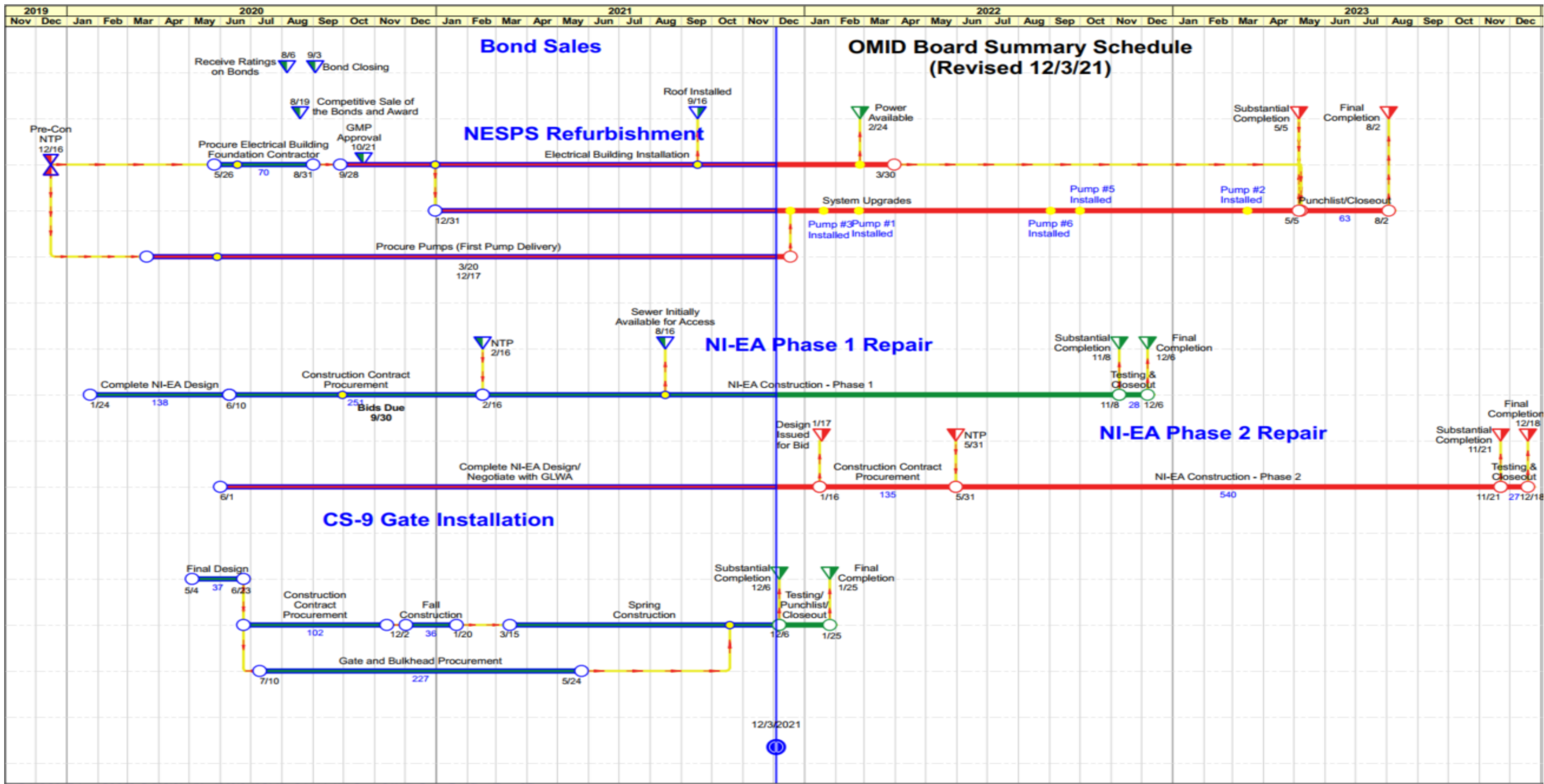
Work In Construction Since 2009							
Seg. No	Contract No. (Description)	Contractor	Const. Comp?	As-Builts Final?	Balancing Change Order?	Contractor Closed Out?	Easements Settled?
1	Contract 1 (CS-9, 5, 3)	Ric-Man	Y	Y	Y	Y	Y
1	Contract 2 (CS-6, 7, 8)	Ric-Man	Y	Y	Y	Y	Y
2	Contract 3-2E (Gatehouse)	IWPC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

* In process with Coating Issues Resolution and Change Order and Memo of Understanding approvals in review

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



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



December 15, 2021 OMIDDD Board Meeting

MID/OMID Construction Schedule

Project	Work Location	Owner	Lead Engineer	Contractor	##	2022												2023												MID/OMID Control Devices Required to Store Flow										Concurrent Work Notes
						D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	CS-2	CS-3	CS-5	CS-6	CS-6 PS	CS-7	CS-8	CS-9	CS-12	
MID Grouting (Preliminary schedule has GI and LSI work beginning when)	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.	
MID Inspection	Routine Inspection of MID Manholes & Interceptors	MID	Fishbeck	Doetsch																										-	-	-	-	-	-	-	n/a	-	Work may require breief flow control to inspect certain reaches. Work will be coordinated around active construction.	
Segment 6 Lining	15 Mile upstream of Garfield (15 Mile Interceptor)	MID	FKE	Ric-Man																										-	-	-	-	-	-	-	-	Y	Flow control on pause but upcoming. May work concurrent with Segment 5 or NIEA rehabilitation. Schedule is preliminary.	
	15 Mile upstream of Garfield & between CS-2/CS-3 (Romeo Arm)	MID	FKE	Ric-Man																										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.	
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. Current projected finish is 2 months late.
NIEA Rehabilitation (Downstream of NESPS)	PCI-4 Shaft & Lining	OMID	NTH	MARRA																										-	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. Coordination with GLWA and downstream system when flow is diverted to 7 Mile Relief.	
OMID CCTV Inspection	Throughout System	OMID	NTH	Doetsch																										-	Y	Y	Y	-	Y	Y	-	n/a	H	Flow control will be required within certain reaches to facilitate.
CS-9 Gate Installation & Hobas Repair	CS-9	OMID	NTH	Walsh																										-	Y	Y	Y	-	Y	Y	Y	n/a	H	Requires periodic for for remoaval and reinstallation of the cylinders. Then another date for testing.
NESPS Improvements	NESPS Pump Replacement	OMID	ASI	Walsh																										-	Y	-	Y	-	Y	Y	Y	-	H	Will require brief flow control for pump installation, gate installation, and electrical work.
DB-226 DRI Repairs	GLWA - DRI	GLWA	FKE	Jay Dee																										-	-	-	-	-	-	-	-	-	-	Can be effected by flows rerouted from the NIEA to the DRI.
PSPS / COSDS Work (PSPS Shutdown)	PSPS	WRC	n/a	n/a																										-	-	-	-	-	-	-	-	-	-	Reduced diversion to PSPS this Fall to 5MGD. Scheduled shut down of PSPS in September; no flow diversion to Pontiac WWTP (CRWRRF). Will significantly impact storage capabilities on the Oakland Arm CS gates.

Table updated on 12/1/2021. Estimates to be updated as necessary.

* Flow control will be required for sewer cleaning, currently estimated in 2022. Flow control requirements are TBD based on contractor means & methods, not reflected in "Control Devices Required to Store Flow" section.

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

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

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

 Estimated Project Window
 Flow Control Required
 Flow Control May Be Required

Summary of OMID Flow Control Requirements for Ongoing and Future Projects

Agenda Item No. 9

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



Oakland-Macomb Interceptor Drain Drainage District

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

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

**SUBJECT: Request for Transfer of \$1,500,000 from Undesignated Reserves to
Emergency Reserves for Completion of CS-6 Bypass System Effort**

DATE: December 15, 2021

As the OMIDDD Board is aware, in late July 2021, the Northeast Sewage Pumping Station (NESPS) experienced multiple catastrophic pumping and electrical failures that severely jeopardized the pump station's ability to pass flow downstream. As a preventive measure against possible basement backups, a temporary bypass pumping system was set up south of the Control Structure 6 (CS-6) location (15 Mile and ITC Corridor in Sterling Heights) in the event of a complete loss of pumping ability at the station. After pumping capacity was restored at the station, the system was demobilized in early November 2021 and all material and equipment was removed from the site except for the fused pipe. Due to the high cost and time-consuming effort of setting and fusing the pipe, the OMIDDD Design team is working towards purchasing and burying this fused pipe rather than removing it from the site so that it can be used if needed in the future.

To date, the invoices from Cortis Bros. Inc. and Mersino Dewatering Inc. (Mersino) related to the initial set up and staging of equipment that have either already been approved or are recommended to be approved total \$1,419,288.23. The Board previously allotted a total Emergency Reserve Fund amount of \$1,500,000 for this effort. There is still another invoice from Mersino Dewatering Inc. that has the final cost of the rental equipment. There will also be an additional cost to outright purchase the pipe from Mersino. To ensure there is sufficient funding for the final Mersino invoice and pipe purchase, as well as provide adequate reserves for other emergencies, we request that an additional \$1,500,000 be transferred from the Undesignated Reserves Fund to the Emergency Reserves Fund. The cost for design and burial of the existing onsite bypass piping will be requested to be set up and funded under a separate construction project at a subsequent OMIDDD Board meeting.

Requested Action: Approve the transfer of \$1,500,000 from the Undesignated Reserves Fund to the Emergency Reserves Fund to cover the remaining costs associated with the emergency CS-6 Bypass System effort as well as provide adequate reserves for future emergencies.

YTD Trial Balance
Fund: 84915 Oakland Macomb InterceptorSeg4
As of Fiscal Period: Month 2, 2022

Run By: WRC_REPORTING
Run: 12/07/2021 at 05:25 PM
Scope: 84915 Oakland Macomb InterceptorSeg4

ACCOUNT		Oakland Macomb InterceptorSeg4 100000001913	OMI NESPS GATEHOUSE SEG4 100000002232	NESPS Odor Corrosion StdY Seg4 100000002708	YTD Balance
100100	Cash - Operating	10,824.70	0.00	0.00	10,824.70
104100	Accrued Interest on Investment	42,295.44	0.00	0.00	42,295.44
	Revenues	(4,634.12)	(2,460.82)	7,094.94	0.00
697551	Issuance of Bonds	(5,121.92)	(2,719.86)	7,841.78	(0.00)
	Expenditures	151.20	(2,225.79)	350.82	(1,723.77)
	Special Items- Uses	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(43,515.30)	7,406.47	(15,287.54)	(51,396.37)
		(0.00)	(0.00)	(0.00)	(0.00)

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

Cash as of 11/30/2021	\$	10,824.70
Invoices/Reimbursements for Seg 4 on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS NIEA-East Arm on Current Agenda impacting Cash Balance		(6,125.77)
Invoices/Reimbursements for NESPS Odor Corrosion Study on Current Agenda impacting Cash Balance		0.00
Total Net Cash Balance	\$	<u>4,698.93</u>

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb InterceptorSeg4

100000001913

(as of November 30, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730926 - Indirect Costs		0.00	63,879.05	
730940 - Insurance		0.00	67,871.13	
731115 - Licenses and Permits		0.00	320,000.00	
731521 - Public Services		0.00	14,235.58	
732165 - Workshops and Meeting		0.00	29.66	
771638 - Drain Equip Labor		0.00	4,607.71	
771639 - Drain Equipment		0.00	269.47	
Administration TOTALS				
	390,165.00	0.00	470,892.60	(\$80,727.60)
ENG - Engineering				
731346 - Personal Mileage		151.20	18,616.01	
731521 - Public Services		0.00	40,605.00	
771638 - Drain Equip Labor		0.00	791,387.01	
771639 - Drain Equipment		0.00	84,680.70	
Engineering TOTALS				
	484,153.00	151.20	935,288.72	(\$451,135.72)
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		0.00	3,594,242.60	
731073 - Legal Services		0.00	108.00	
Engineering Consultant TOTALS				
	3,275,248.00	0.00	3,594,350.60	(\$319,102.60)
FAC - Facility Acquisition				
731472 - Project Construction and Impr		0.00	14,058,313.68	
731521 - Public Services		0.00	6,798.84	
750294 - Material and Supplies		0.00	228.00	
Facility Acquisition TOTALS				
	15,225,614.00	0.00	14,065,340.52	\$1,160,273.48
INS - Inspection				
730373 - Contracted Services		0.00	473.03	
731521 - Public Services		0.00	16,935.91	
Inspection TOTALS				
	17,408.00	0.00	17,408.94	(\$0.94)
LEGAL - Legal and Financial				
730639 - Engineering Services-Other		0.00	8,398.96	
730940 - Insurance		0.00	54,526.58	
731073 - Legal Services		0.00	124,753.11	
793938 - Discount on Bonds		0.00	6,964.10	
Legal and Financial TOTALS				
	191,321.00	0.00	194,642.75	(\$3,321.75)
ROW - Right of Way				
731563 - Recording Fees		0.00	50.67	
Right of Way TOTALS				
	0.00	0.00	50.67	(\$50.67)

Water Resources Commissioner
PROJECT WORK IN PROGRESS
Oakland Macomb InterceptorSeg4
100000001913
 (as of November 30, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 100000001913 - Oakland Macomb InterceptorSeg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$19,583,909.00	\$151.20	\$19,277,974.80	\$305,934.20
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	(\$1,484.39)	\$8,337,502.64	
615572-State Capital Grants	\$0.00	\$1,105,350.77	
655077-Accrued Interest Adjustments	\$0.00	\$42,295.44	
655385-Income from Investments	\$0.00	\$651,137.07	
697551-Issuance of Bonds	(\$1,640.64)	\$704,809.02	
697753-State Revolving Fund Loans	\$0.00	\$8,490,000.00	
TOTAL REVENUE	(\$3,125.03)	\$19,331,094.94	
REVENUE OVER/(UNDER) EXPENSES		\$53,120.14	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMI NESPS GATEHOUSE SEG4

100000002232

(as of November 30, 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	2,774.21	1,279,885.71	
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Engineering Consultant TOTALS

496,981.00	2,774.21	1,279,885.71	(\$782,904.71)
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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	\$2,774.21	\$4,754,604.06	(\$335,606.06)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$1,317.75	\$2,437,175.21	
697551-Issuance of Bonds	\$1,456.46	\$2,317,428.85	
TOTAL REVENUE	\$2,774.21	\$4,754,604.06	
REVENUE OVER/(UNDER) EXPENSES		\$0.00	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

100000002708

(as of November 30, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730926 - Indirect Costs		0.00	25,041.48	
730940 - Insurance		0.00	184,130.93	
Administration TOTALS				
	188,148.00	0.00	209,172.41	(\$21,024.41)
CONT - Contingency				
Contingency TOTALS				
	637,000.00	0.00	0.00	\$637,000.00
ENG - Engineering				
771638 - Drain Equip Labor		341.85	123,668.71	
771639 - Drain Equipment		8.97	4,628.70	
Engineering TOTALS				
	206,253.00	350.82	128,297.41	\$77,955.59
ENGCON - Engineering Consultant				
730373 - Contracted Services		0.00	1,317,523.99	
Engineering Consultant TOTALS				
	1,073,000.00	0.00	1,317,523.99	(\$244,523.99)
FAC - Facility Acquisition				
730352 - Construction		0.00	779,225.00	
731472 - Project Construction and Impr		0.00	4,268,094.51	
Facility Acquisition TOTALS				
	4,600,000.00	0.00	5,047,319.51	(\$447,319.51)
INS - Inspection				
771638 - Drain Equip Labor		0.00	212,352.47	
771639 - Drain Equipment		0.00	32,443.08	
Inspection TOTALS				
	190,343.00	0.00	244,795.55	(\$54,452.55)
LEGAL - Legal and Financial				
731073 - Legal Services		0.00	1,744.00	
Legal and Financial TOTALS				
	15,000.00	0.00	1,744.00	\$13,256.00
ROW - Right of Way				
Right of Way TOTALS				
	46,000.00	0.00	0.00	\$46,000.00
STD - Standard Operation				
730926 - Indirect Costs		0.00	3,729.80	
731906 - Testing Services		0.00	31,382.05	
771638 - Drain Equip Labor		0.00	4,613.57	
771639 - Drain Equipment		0.00	2,460.66	
Standard Operation TOTALS				
	38,010.00	0.00	42,186.08	(\$4,176.08)
SUR - Survey Crew				
Survey Crew TOTALS				
	10,246.00	0.00	0.00	\$10,246.00

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

100000002708

(as of November 30, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 100000002708 - NESPS Odor Corrosion Stdy Seg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$7,004,000.00	\$350.82	\$6,991,038.95	\$12,961.05
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$166.64	\$3,273,276.82	
697551-Issuance of Bonds	\$184.18	\$3,717,762.13	
TOTAL REVENUE	\$350.82	\$6,991,038.95	
REVENUE OVER/(UNDER) EXPENSES		(\$0.00)	

YTD Trial Balance
Fund: 84917 Oakland Macomb InterceptorSeg5
As of Fiscal Period: Month 2, 2022

Run By: WRC_REPORTING
Run: 12/07/2021 at 05:26 PM
Scope: 84917 Oakland Macomb InterceptorSeg5

ACCOUNT		YTD Balance No Project	OMID Segment 5 100000003252	OMID NI-EA CONSTRUCTION 100000003308	NESPS MECH- ELEC CONSTRUCTION 100000003309	YTD Balance
100100	Cash - Operating	0.00	1,397,489.83	19,222,629.84	36,945,904.58	57,566,024.25
104100	Accrued Interest on Investment	0.00	(206,136.15)	0.00	0.00	(206,136.15)
211100	Due to Primary Government	0.00	0.00	(5,000.00)	0.00	(5,000.00)
222300	Unearned Revenues	0.00	(232,644.66)	(4,707,584.35)	(8,966,439.99)	(13,906,669.00)
	Revenues	114,536.15	(15,074.28)	0.00	0.00	99,461.87
	Expenditures	0.00	0.00	123,150.89	49,123.16	172,274.05
	Special Items- Uses	0.00	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(114,536.15)	(943,634.74)	(14,633,196.38)	(28,028,587.75)	(43,719,955.02)
		0.00	0.00	(0.00)	(0.00)	(0.00)

Cash as of 11/30/2021 \$ 57,359,888.10

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (137,376.45)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (155,129.38)

Total Net Cash Balance \$ 57,067,382.27

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID NI-EA CONSTRUCTION

100000003308

(as of November 30, 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

5,664.19

69,339.99

771639 - Drain Equipment

161.82

2,758.38

Engineering TOTALS

478,000.00	5,826.01	72,098.37	\$405,901.63
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ENGCON - Engineering Consultant

730639 - Engineering Services-Other

31,861.13

404,431.02

731444 - Prof Svc-Consultant

75,160.36

812,031.94

731472 - Project Construction and Impr

0.00

539,637.75

Engineering Consultant TOTALS

4,913,000.00	107,021.49	1,756,100.71	\$3,156,899.29
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FAC - Facility Acquisition

730352 - Construction

0.00

2,793,814.15

731472 - Project Construction and Impr

0.00

4,408,110.06

Facility Acquisition TOTALS

17,983,600.00	0.00	7,201,924.21	\$10,781,675.79
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INS - Inspection

Inspection TOTALS

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

730940 - Insurance

0.00

41,250.00

731073 - Legal Services

0.00

16,848.00

Legal and Financial TOTALS

1,259,000.00	0.00	58,098.00	\$1,200,902.00
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ROW - Right of Way

731038 - Land and Easement

0.00

3,325.00

731073 - Legal Services

5,068.50

12,493.50

771638 - Drain Equip Labor

882.93

42,794.12

771639 - Drain Equipment

31.41

1,716.44

Right of Way TOTALS

265,000.00	5,982.84	60,329.06	\$204,670.94
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STD - Standard Operation

730639 - Engineering Services-Other

0.00

29,419.81

Standard Operation TOTALS

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

Survey Crew TOTALS

32,000.00	0.00	0.00	\$32,000.00
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Water Resources Commissioner**PROJECT WORK IN PROGRESS****OMID NI-EA CONSTRUCTION****100000003308**

(as of November 30, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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Project 100000003308 - OMID NI-EA CONSTRUCTION			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$28,395,600.00	\$118,830.34	\$9,177,970.16	\$19,217,629.84
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	(\$6,430,500.35)	\$1,722,916.00	
697551-Issuance of Bonds	\$0.00	\$21,965,099.65	
TOTAL REVENUE	(\$6,430,500.35)	\$23,688,015.65	
REVENUE OVER/(UNDER) EXPENSES		\$14,510,045.49	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS MECH-ELEC CONSTRUCTION

100000003309

(as of November 30, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730940 - Insurance		0.00	44,200.00	
Administration TOTALS				
620,000.00		0.00	44,200.00	\$575,800.00
CONT - Contingency				
Contingency TOTALS				
4,917,000.00		0.00	0.00	\$4,917,000.00
ENG - Engineering				
771638 - Drain Equip Labor		8,042.88	103,922.65	
771639 - Drain Equipment		295.30	3,918.71	
Engineering TOTALS				
446,000.00		8,338.18	107,841.36	\$338,158.64
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		70,894.03	1,074,881.74	
731444 - Prof Svc-Consultant		0.00	96,073.38	
731458 - Professional Services		1,863.77	93,911.90	
Engineering Consultant TOTALS				
3,987,000.00		72,757.80	1,264,867.02	\$2,722,132.98
FAC - Facility Acquisition				
731472 - Project Construction and Impr		-65,879.85	15,228,012.49	
Facility Acquisition TOTALS				
40,857,000.00		-65,879.85	15,228,012.49	\$25,628,987.51
INS - Inspection				
731458 - Professional Services		0.00	399.00	
771638 - Drain Equip Labor		14,935.27	189,121.50	
771639 - Drain Equipment		1,637.96	22,749.05	
Inspection TOTALS				
285,000.00		16,573.23	212,269.55	\$72,730.45
LEGAL - Legal and Financial				
730940 - Insurance		0.00	179,800.00	
Legal and Financial TOTALS				
2,417,000.00		0.00	179,800.00	\$2,237,200.00
ROW - Right of Way				
Right of Way TOTALS				
393,000.00		0.00	0.00	\$393,000.00
STD - Standard Operation				
730940 - Insurance		0.00	103,105.00	
Standard Operation TOTALS				
130,000.00		0.00	103,105.00	\$26,895.00
SUR - Survey Crew				
Survey Crew TOTALS				
34,000.00		0.00	0.00	\$34,000.00

Water Resources Commissioner
PROJECT WORK IN PROGRESS
NESPS MECH-ELEC CONSTRUCTION
100000003309
 (as of November 30, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 100000003309 - NESPS MECH-ELEC CONSTRUCTION			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$54,086,000.00	\$31,789.36	\$17,140,095.42	\$36,945,904.58
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	(\$12,248,377.99)	\$3,281,938.00	
697551-Issuance of Bonds	\$0.00	\$41,837,622.01	
TOTAL REVENUE	(\$12,248,377.99)	\$45,119,560.01	
REVENUE OVER/(UNDER) EXPENSES		\$27,979,464.59	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID Segment 5

100000003252

(as of November 30, 2021)

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

ADM - Administration

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

LEGAL - Legal and Financial

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

Project 100000003252 - OMID Segment 5			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$0.00	\$0.00	\$757,136.57	(\$757,136.57)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	(\$317,645.66)	\$85,000.74	
655077-Accrued Interest Adjustments	(\$16,198.34)	(\$206,136.15)	
655385-Income from Investments	\$34,062.06	\$751,435.79	
655462-Increase Market Value Invest	\$0.00	(\$401,669.67)	
697219-Premiums on Bonds Sold	\$0.00	\$7,672,724.75	
697551-Issuance of Bonds	\$0.00	(\$6,587,721.66)	
TOTAL REVENUE	(\$299,781.94)	\$1,313,633.80	
REVENUE OVER/(UNDER) EXPENSES		\$556,497.23	

Oakland County - Water Resources Commissioner's Office
Fund Equity: Schedule of Reserves and Dedicated Funds
As of Date: November 30, 2021

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	3,064,931.44	1,583,333.34	2,549,379.92	14,877,886.24		22,075,530.94
84915	OMIDD Seg 4						
	- Project 1-1913 Interceptor Seg 4					53,120.14	
	- Project 1-2232 NESPS Gatehouse					-	
	- Project 1-2708 NESPS Odor Corrosion Study					-	53,120.14
84917	OMIDD Seg 5						
	- No Project					402,211.79	
	- Project 1-3252 Interceptor Seg 5					556,497.23	
	- Project 1-3308 NI - EA Construction					14,510,045.49	
	- Project 1-3309 NESPS Construction					27,979,464.59	43,448,219.10
Total Equity in Maintenance and Construction Funds							<u>65,576,870.18</u>

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

Run by: 32808
Run: 12/07/2021 at 05:19 PM
Scope: 82912 Oakland Macomb InterceptorCh21
Fiscal Period: Month 2 2022

Oakland County - Water Resources Commissioner's Office
Statement of Net Assets
As of Date: Nov 30, 2021
Fund: 82912 Oakland Macomb InterceptorCh21

	MAJOR MAINTENANCE RESERVE	EMERGENCY MAINTENANCE RESERVE	CAPITAL IMPROVEMENT RESERVE	UNDESIGNATED RETAINED EARNINGS	TOTAL
Total Net Assets Beginning	2,848,992.42	1,500,000.00	2,413,875.04	7,639,026.97	14,401,894.43
Increases	191,666.66	83,333.34	133,733.32	12,155,928.11	12,564,661.43
Decreases	(24,272.36)	0.00	(1,771.56)	4,917,068.84	4,891,024.92
Adjustments	0.00	0.00	0.00	0.00	0.00
Total Net Assets Ending	<u>3,064,931.44</u>	<u>1,583,333.34</u>	<u>2,549,379.92</u>	<u>14,877,886.24</u>	<u>22,075,530.94</u>
Net Assets Invested in Capital as of 11/30/2021				0.00	0.00
Current year adjustments				0.00	0.00
ESTIMATED Undesignated Retained Earnings				<u>14,877,886.24</u>	<u>22,075,530.94</u>

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMI DD Meeting Date 12/15/2021

		84915	84915	84915	84917	84917	82912	
		1-1913	1-2232	1-2708	1-3308	1-3309		
<u>Payable To</u>	<u>Invoice #</u>	<u>Segment 4</u>	<u>Segment 4 - NIEA East Arm</u>	<u>Segment 4 - NESPS Odor Corrosion Study</u>	<u>Segment 5 NIEA Construction</u>	<u>Segment 5 NESPS Mech / Electric Construction</u>	<u>Operations & Maintenance</u>	<u>Total</u>
Oakland County *	WRC Labor/Fringes/Non-direct Labor			341.85	6,547.12	18,671.70		\$25,560.67
Oakland County *	WRC Equipment			8.97	193.23	1,833.43		\$2,035.63
Oakland County *	WRC Mileage	151.20		0.00	0.00	0.00		\$151.20
Applied Science, Inc	Invoice # 34 (ASI Inv. #8006) Services 10/31/21 to 11/27/21					82,707.44		\$82,707.44
CH2M - LG Design	Invoice # 705773CH033 Services Through 10/29/2021						2,908.33	\$2,908.33
CH2M - LG Design	Invoice # 705773CH034 Services Through 11/26/2021						1,813.14	\$1,813.14
Clark Hill PLC	Invoice # 1146133 Matter 429385 Services Through 10/31/2021				2,754.00			\$2,754.00
Clark Hill PLC	Invoice # 1146384 Matter 424741 Services Through 10/31/2021						1,404.00	\$1,404.00
Clark Hill PLC	Invoice # 1149879 Matter 404547 Services Through 10/31/2021				15,498.00			\$15,498.00
Comerica - P Card reimbursement	Michigan Association of County Drain Commissioners (MACDC) Dated 11/2/2021						50.00	\$50.00
Cortis Bros Trucking & Excavating, Inc.	Invoice # 8799 On Site Meeting / Equipment / Labor 11/12/2021						3,121.02	\$3,121.02
Dickinson Wright PLLC	Invoice # 1635136 Matter 012840-00436 Service through 10/31/2021						525.00	\$525.00
Meadowbrook Insurance Agency	Invoice # 84957 Quarterly 2 of 4 Installment 9/20/21 To 12/31/2021					46,665.00		\$46,665.00
Mersino Dewatering, Inc.	Invoice # 88220 Service Dates 07/31/2021 To 08/31/2021						142,046.20	\$142,046.20
Mersino Dewatering, Inc.	Invoice # 88225 Service Dates 08/01/2021 To 09/02/2021						708,080.45	\$708,080.45
Mersino Dewatering, Inc.	Invoice # 88478 Service Dates 08/29/2021 To 09/30/2021						339,430.56	\$339,430.56
METCO	Invoice # 1811-35 Through 11/28/21						64,984.00	\$64,984.00
NTH Consultants	Inv # 12 NI-EA Construction Engineering Service Through 11/19/21				61,297.38			\$61,297.38
NTH Consultants	Inv # 30 - OMIDD NI-EA Rehab Services Through 11/19/21				57,872.07			\$57,872.07
NTH Consultants	Inv # 34 - OMIDD System Immediate Repair Service Through 11/19/21						4,966.53	\$4,966.53
NTH Consultants	Inv # 59 - OMIDD NESPS Discharge Chamber Service Through 11/19/21		6,125.77					\$6,125.77
PMA Consultants	Invoice # 03559.01 - 17 Professional Services Through 10/31/20					11,848.19		\$11,848.19
PMA Consultants	Invoice # 03559.01 - 18 Professional Services Through 11/30/20					13,908.75		\$13,908.75
	Total Invoices/Reimbursements for Approval	\$151.20	\$6,125.77	\$350.82	\$144,161.80	\$175,634.51	\$1,269,329.23	\$1,595,753.33
	* Less WRC Charges already paid from OMI Fund	(151.20)	0.00	(350.82)	(6,740.35)	(20,505.13)	0.00	(27,747.50)
	Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board	\$0.00	\$6,125.77	\$0.00	\$137,421.45	\$155,129.38	\$1,269,329.23	\$1,568,005.83

Agenda Item No. 10

Invoices

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 8/28/2021 - 11/19/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
864521	10/25/21	10/19/21	BROWN, JOEL	2	227.9	REGULAR	WRCCON	100000002708	ENG
864521	10/25/21	10/15/21	BROWN, JOEL	1	113.95	REGULAR	WRCCON	100000002708	ENG
					341.85				

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Equipment Charges for Trans Dates - 8/28/2021 - 11/19/2021										
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity	
864521	10/25/21	10/15/21	BROWN, JOEL	1	0.4	ASSIGNED	Cell Phone	100000002708	ENG	
864521	10/25/21	10/15/21	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	100000002708	ENG	
864521	10/25/21	10/15/21	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	100000002708	ENG	
864521	10/25/21	10/19/21	BROWN, JOEL	2	0.5	ASSIGNED	Tablet/iPad	100000002708	ENG	
864521	10/25/21	10/19/21	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000002708	ENG	
864521	10/25/21	10/19/21	BROWN, JOEL	2	0.8	ASSIGNED	Cell Phone	100000002708	ENG	
					8.97					

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

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 10/23/2021 - 11/19/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984657	10/25/2021	10/11/2021	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	100000003308	ENG
984657	10/25/2021	10/12/2021	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	100000003308	ENG
984657	10/25/2021	10/13/2021	BROWN, JOEL	3.50	\$398.83	REGULAR	WRCCON	100000003308	ENG
984657	10/25/2021	10/15/2021	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	100000003308	ENG
984657	10/25/2021	10/18/2021	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	100000003308	ENG
984657	10/25/2021	10/19/2021	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG
984657	10/25/2021	10/20/2021	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG
984657	10/25/2021	10/21/2021	BROWN, JOEL	0.50	\$56.98	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	10/25/2021	BROWN, JOEL	2.00	\$250.90	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	10/26/2021	BROWN, JOEL	2.00	\$250.90	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	10/27/2021	BROWN, JOEL	4.00	\$501.80	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	10/28/2021	BROWN, JOEL	1.00	\$125.45	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	10/29/2021	BROWN, JOEL	2.50	\$313.63	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	11/01/2021	BROWN, JOEL	2.00	\$250.90	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	11/02/2021	BROWN, JOEL	1.00	\$125.45	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	11/04/2021	BROWN, JOEL	3.00	\$376.35	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	11/09/2021	BROWN, JOEL	3.00	\$376.35	REGULAR	WRCCON	100000003308	ENG
984657	11/16/2021	11/10/2021	BROWN, JOEL	3.00	\$376.35	REGULAR	WRCCON	100000003308	ENG
			BROWN, JOEL Total		\$5,113.15				
984662	11/04/2021	10/28/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
984662	11/04/2021	11/02/2021	CRANDALL, BRIAN	1.00	\$67.84	REGULAR	WRCROW	100000003308	ROW
			CRANDALL, BRIAN Total		\$135.68				
984657	10/25/2021	10/11/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG
984657	11/05/2021	10/25/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG
			LOCKHART, SIDNEY Total		\$551.04				
984662	11/04/2021	10/27/2021	PARROTT, JEFFREY	1.00	\$82.46	REGULAR	WRCROW	100000003308	ROW
984662	11/04/2021	11/01/2021	PARROTT, JEFFREY	1.50	\$123.69	REGULAR	WRCROW	100000003308	ROW
984662	11/04/2021	11/02/2021	PARROTT, JEFFREY	2.00	\$164.92	REGULAR	WRCROW	100000003308	ROW
984662	11/04/2021	11/01/2021	PARROTT, JEFFREY	1.00	\$93.52	OVERTIME	WRCROW	100000003308	ROW
984662	11/04/2021	11/02/2021	PARROTT, JEFFREY	1.50	\$140.28	OVERTIME	WRCROW	100000003308	ROW
984662	11/18/2021	11/18/2021	PARROTT, JEFFREY	1.50	\$142.38	OVERTIME	WRCROW	100000003308	ROW
			PARROTT, JEFFREY Total		\$747.25				
			Grand Total		\$6,547.12				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 10/23/2021 - 11/19/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984657	10/25/2021	10/11/2021	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/11/2021	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/11/2021	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/25/2021	10/12/2021	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/12/2021	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/25/2021	10/12/2021	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/13/2021	BROWN, JOEL	3.50	\$8.19	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/25/2021	10/13/2021	BROWN, JOEL	3.50	\$1.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/13/2021	BROWN, JOEL	3.50	\$0.88	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/15/2021	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/15/2021	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/25/2021	10/15/2021	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/18/2021	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/18/2021	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/18/2021	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/25/2021	10/19/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/19/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/25/2021	10/19/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/20/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/20/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	10/25/2021	10/20/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/21/2021	BROWN, JOEL	0.50	\$0.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/21/2021	BROWN, JOEL	0.50	\$0.13	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/21/2021	BROWN, JOEL	0.50	\$1.17	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	10/25/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	10/25/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	10/25/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	10/26/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	10/26/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	10/26/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	10/27/2021	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	10/27/2021	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	10/27/2021	BROWN, JOEL	4.00	\$1.00	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	10/28/2021	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	10/28/2021	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	10/28/2021	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	10/29/2021	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	10/29/2021	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	10/29/2021	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	11/01/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	11/01/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	11/01/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	11/02/2021	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	11/02/2021	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	11/02/2021	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	11/04/2021	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	11/04/2021	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	11/04/2021	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	11/09/2021	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	11/09/2021	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	11/09/2021	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/16/2021	11/10/2021	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/16/2021	11/10/2021	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	11/16/2021	11/10/2021	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
			BROWN, JOEL Total		\$127.10				
984662	11/04/2021	10/28/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	11/04/2021	10/28/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	11/04/2021	10/28/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	11/04/2021	11/02/2021	CRANDALL, BRIAN	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	11/04/2021	11/02/2021	CRANDALL, BRIAN	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	11/04/2021	11/02/2021	CRANDALL, BRIAN	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
			CRANDALL, BRIAN Total		\$5.98				
984657	10/25/2021	10/11/2021	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	10/25/2021	10/11/2021	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	10/25/2021	10/11/2021	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	10/25/2021	10/11/2021	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/05/2021	10/25/2021	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	11/05/2021	10/25/2021	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	11/05/2021	10/25/2021	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	11/05/2021	10/25/2021	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
			LOCKHART, SIDNEY Total		\$34.72				
984662	11/04/2021	10/27/2021	PARROTT, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW

984662	11/04/2021	10/27/2021	PARROTT, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	11/04/2021	10/27/2021	PARROTT, JEFFREY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	11/04/2021	11/01/2021	PARROTT, JEFFREY	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ROW
984662	11/04/2021	11/01/2021	PARROTT, JEFFREY	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ROW
984662	11/04/2021	11/01/2021	PARROTT, JEFFREY	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	11/04/2021	11/02/2021	PARROTT, JEFFREY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ROW
984662	11/04/2021	11/02/2021	PARROTT, JEFFREY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	11/04/2021	11/02/2021	PARROTT, JEFFREY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ROW
984662	11/04/2021	11/01/2021	PARROTT, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	11/04/2021	11/01/2021	PARROTT, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	11/04/2021	11/01/2021	PARROTT, JEFFREY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	11/04/2021	11/02/2021	PARROTT, JEFFREY	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ROW
984662	11/04/2021	11/02/2021	PARROTT, JEFFREY	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ROW
984662	11/04/2021	11/02/2021	PARROTT, JEFFREY	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	11/18/2021	11/18/2021	PARROTT, JEFFREY	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	11/18/2021	11/18/2021	PARROTT, JEFFREY	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ROW
984662	11/18/2021	11/18/2021	PARROTT, JEFFREY	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ROW
			PARROTT, JEFFREY Total		\$25.43				
			Grand Total		\$193.23				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 10/23/2021 - 11/19/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	10/25/2021	10/11/2021	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/12/2021	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/13/2021	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/14/2021	BROWN, JOEL	3.50	\$398.83	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/15/2021	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/18/2021	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/19/2021	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/20/2021	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/21/2021	BROWN, JOEL	4.50	\$512.78	REGULAR	WRCCON	100000003309	ENG
984656	10/25/2021	10/22/2021	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	10/25/2021	BROWN, JOEL	2.00	\$250.90	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	10/26/2021	BROWN, JOEL	2.00	\$250.90	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	10/28/2021	BROWN, JOEL	3.50	\$439.08	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	10/29/2021	BROWN, JOEL	3.00	\$376.35	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	11/01/2021	BROWN, JOEL	2.00	\$250.90	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	11/02/2021	BROWN, JOEL	2.00	\$250.90	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	11/03/2021	BROWN, JOEL	4.00	\$501.80	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	11/09/2021	BROWN, JOEL	2.00	\$250.90	REGULAR	WRCCON	100000003309	ENG
984656	11/16/2021	11/12/2021	BROWN, JOEL	2.50	\$313.63	REGULAR	WRCCON	100000003309	ENG
			BROWN, JOEL Total		\$5,563.20				
1050210	10/28/2021	10/28/2021	CARLEY, JOSEPH	1.00	\$83.69	REGULAR	WRCCDM	100000003309	INS
1050210	11/09/2021	11/08/2021	CARLEY, JOSEPH	1.00	\$83.69	REGULAR	WRCCDM	100000003309	INS
1050210	11/17/2021	11/16/2021	CARLEY, JOSEPH	1.00	\$81.65	REGULAR	WRCCDM	100000003309	INS
1050210	11/19/2021	11/19/2021	CARLEY, JOSEPH	1.00	\$81.65	REGULAR	WRCCDM	100000003309	INS
			CARLEY, JOSEPH Total		\$330.68				
984656	10/25/2021	10/12/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
984656	10/25/2021	10/13/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
984656	10/25/2021	10/14/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
984656	10/25/2021	10/15/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
984656	10/25/2021	10/20/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
984656	11/05/2021	10/26/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
984656	11/05/2021	10/27/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
984656	11/05/2021	10/28/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
984656	11/05/2021	11/03/2021	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003309	ENG
			LOCKHART, SIDNEY Total		\$2,479.68				
1050210	11/04/2021	10/27/2021	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000003309	INS
1050210	11/04/2021	10/28/2021	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000003309	INS
1050210	11/18/2021	11/19/2021	POUSHO, ROBERT	8.00	\$437.28	REGULAR	WRCCON	100000003309	INS
			POUSHO, ROBERT Total		\$1,299.04				
1050210	10/25/2021	10/25/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/25/2021	10/25/2021	ROBERTS, PATRICK	1.00	\$80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/26/2021	10/26/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/26/2021	10/26/2021	ROBERTS, PATRICK	1.00	\$80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	10/27/2021	10/27/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/27/2021	10/27/2021	ROBERTS, PATRICK	2.00	\$161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/28/2021	10/28/2021	ROBERTS, PATRICK	6.00	\$427.38	REGULAR	WRCCDM	100000003309	INS
1050210	10/28/2021	10/28/2021	ROBERTS, PATRICK	2.00	\$161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	10/29/2021	10/29/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	10/29/2021	10/29/2021	ROBERTS, PATRICK	1.00	\$80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	11/01/2021	11/01/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	11/01/2021	11/01/2021	ROBERTS, PATRICK	1.00	\$80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	11/02/2021	11/02/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	11/02/2021	11/02/2021	ROBERTS, PATRICK	1.00	\$80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	11/03/2021	11/03/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	11/03/2021	11/03/2021	ROBERTS, PATRICK	2.00	\$161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	11/05/2021	11/04/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	11/05/2021	11/04/2021	ROBERTS, PATRICK	2.00	\$161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	11/05/2021	11/05/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	11/05/2021	11/05/2021	ROBERTS, PATRICK	2.00	\$161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	11/08/2021	11/08/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	11/08/2021	11/08/2021	ROBERTS, PATRICK	2.00	\$161.56	OVERTIME	WRCCDM	100000003309	INS
1050210	11/09/2021	11/09/2021	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	100000003309	INS
1050210	11/09/2021	11/09/2021	ROBERTS, PATRICK	1.00	\$80.78	OVERTIME	WRCCDM	100000003309	INS
1050210	11/10/2021	11/10/2021	ROBERTS, PATRICK	8.00	\$564.24	REGULAR	WRCCDM	100000003309	INS
1050210	11/10/2021	11/10/2021	ROBERTS, PATRICK	1.00	\$82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	11/12/2021	11/11/2021	ROBERTS, PATRICK	9.00	\$738.00	HOLIDAY	WRCCDM	100000003309	INS
1050210	11/12/2021	11/12/2021	ROBERTS, PATRICK	8.00	\$564.24	REGULAR	WRCCDM	100000003309	INS
1050210	11/12/2021	11/12/2021	ROBERTS, PATRICK	1.00	\$82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	11/15/2021	11/15/2021	ROBERTS, PATRICK	8.00	\$564.24	REGULAR	WRCCDM	100000003309	INS
1050210	11/15/2021	11/15/2021	ROBERTS, PATRICK	1.00	\$82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	11/16/2021	11/16/2021	ROBERTS, PATRICK	8.00	\$564.24	REGULAR	WRCCDM	100000003309	INS
1050210	11/16/2021	11/16/2021	ROBERTS, PATRICK	1.00	\$82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	11/17/2021	11/17/2021	ROBERTS, PATRICK	6.50	\$458.45	REGULAR	WRCCDM	100000003309	INS
1050210	11/17/2021	11/17/2021	ROBERTS, PATRICK	1.00	\$82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	11/18/2021	11/18/2021	ROBERTS, PATRICK	8.00	\$564.24	REGULAR	WRCCDM	100000003309	INS

1050210	11/18/2021	11/18/2021	ROBERTS, PATRICK	1.00	\$82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	11/19/2021	11/19/2021	ROBERTS, PATRICK	8.00	\$564.24	REGULAR	WRCCDM	100000003309	INS
1050210	11/19/2021	11/19/2021	ROBERTS, PATRICK	1.00	\$82.00	OVERTIME	WRCCDM	100000003309	INS
			ROBERTS, PATRICK Total		\$13,305.55				
			Grand Total		\$22,978.15				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 10/23/2021 - 11/19/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	10/25/2021	10/11/2021	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/11/2021	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/11/2021	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/12/2021	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/12/2021	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/12/2021	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/13/2021	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/13/2021	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/13/2021	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/14/2021	BROWN, JOEL	3.50	\$1.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/14/2021	BROWN, JOEL	3.50	\$8.19	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/14/2021	BROWN, JOEL	3.50	\$0.88	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/15/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/15/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/15/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/18/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/18/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/18/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/19/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/19/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/19/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/20/2021	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/20/2021	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/20/2021	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/21/2021	BROWN, JOEL	4.50	\$1.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/21/2021	BROWN, JOEL	4.50	\$10.53	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/21/2021	BROWN, JOEL	4.50	\$1.13	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	10/25/2021	10/22/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	10/25/2021	10/22/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	10/25/2021	10/22/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	10/25/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	10/25/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	10/25/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	10/26/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	10/26/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	10/26/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	10/28/2021	BROWN, JOEL	3.50	\$1.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	10/28/2021	BROWN, JOEL	3.50	\$8.19	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	10/28/2021	BROWN, JOEL	3.50	\$0.88	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	10/29/2021	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	10/29/2021	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	10/29/2021	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	11/01/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	11/01/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	11/01/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	11/02/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	11/02/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	11/02/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	11/03/2021	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	11/03/2021	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	11/03/2021	BROWN, JOEL	4.00	\$1.00	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	11/09/2021	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	11/09/2021	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	11/09/2021	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	11/16/2021	11/12/2021	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	11/16/2021	11/12/2021	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	11/16/2021	11/12/2021	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
			BROWN, JOEL Total		\$139.06				
1050210	10/28/2021	10/28/2021	CARLEY, JOSEPH	1.00	\$5.69	ASSIGNED	3/4 Ton Pick-up	100000003309	INS
1050210	10/28/2021	10/28/2021	CARLEY, JOSEPH	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	10/28/2021	10/28/2021	CARLEY, JOSEPH	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	11/09/2021	11/08/2021	CARLEY, JOSEPH	1.00	\$5.69	ASSIGNED	3/4 Ton Pick-up	100000003309	INS
1050210	11/09/2021	11/08/2021	CARLEY, JOSEPH	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	11/09/2021	11/08/2021	CARLEY, JOSEPH	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	11/17/2021	11/16/2021	CARLEY, JOSEPH	1.00	\$5.69	ASSIGNED	3/4 Ton Pick-up	100000003309	INS
1050210	11/17/2021	11/16/2021	CARLEY, JOSEPH	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	11/17/2021	11/16/2021	CARLEY, JOSEPH	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	11/19/2021	11/19/2021	CARLEY, JOSEPH	1.00	\$5.69	ASSIGNED	3/4 Ton Pick-up	100000003309	INS
1050210	11/19/2021	11/19/2021	CARLEY, JOSEPH	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	11/19/2021	11/19/2021	CARLEY, JOSEPH	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
			CARLEY, JOSEPH Total		\$33.72				

OMI Seg 5 NESPS Mechanical - Electrical Construction Project - WRC labor-FB-NPF-EQP for 12-15-2021 meeting

1050210	11/17/2021	11/17/2021	ROBERTS, PATRICK	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	11/18/2021	11/18/2021	ROBERTS, PATRICK	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	11/18/2021	11/18/2021	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	11/18/2021	11/18/2021	ROBERTS, PATRICK	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	11/18/2021	11/18/2021	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	11/18/2021	11/18/2021	ROBERTS, PATRICK	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	11/18/2021	11/18/2021	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	11/19/2021	11/19/2021	ROBERTS, PATRICK	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	11/19/2021	11/19/2021	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	11/19/2021	11/19/2021	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	11/19/2021	11/19/2021	ROBERTS, PATRICK	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	11/19/2021	11/19/2021	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	11/19/2021	11/19/2021	ROBERTS, PATRICK	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
			ROBERTS, PATRICK Total		\$1,538.48				
			Grand Total		\$1,933.26				

Acctg Date	Fund	Fund Description	Project	Project Description	Activity	Descr	Sum BU Amount
11/5/2021	84915	OMIDD Segment 4	100000001913	Oakland Macomb Interceptor Seg 4	ENG	Pousho 180 Miles 11-12-21	\$ 100.80
11/19/2021	84915	OMIDD Segment 4	100000001913	Oakland Macomb Interceptor Seg 4	ENG	Pousho 90 Miles 11-26-21	\$ 50.40
							<u>\$ 151.20</u>



Applied Science, Inc.

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

December 6, 2021

Project Invoice #34 (ASI Inv. #8006)

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

li# 41133 v#352

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

Invoice Period: 10/31/21-11/27/21

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:	\$ 17,230.00
	Subconsultants:	
	NTH Consultants	\$ 36,936.97
	Metco Services	\$ 22,205.00
	FK Engineering:	\$ 3,217.50
	ASI Markup 5%:	\$ 3,117.97
	Total Due This Invoice:	\$ 82,707.44

Total Due This Invoice:	\$ 82,707.44
Previous Amount Invoiced:	\$ 2,588,525.79
Total Invoiced To-Date	\$ 2,671,233.23
Contract Task Total:	\$ 4,198,380.00
Amount Remaining:	\$ 1,527,146.77

JTB 12/6/21

84917 - 149015 - 730639 -
1-3309 engcon



LG Design is a Subsidiary of CH2M Hill Engineers

Oakland-Macomb Interceptor Drain Drainage District
Oakland County Water Resources Commissioner
One Public Works Drive
Waterford, MI 48328
248-858-0958

Invoice Contact:
Sandy.Pepper@Jacobs.com

Remit to:

LG Design, Inc.
Attn: Judy Rives
1041 East Butler Road
Greenville, SC. 29607
Tax ID : 20-0936384

Invoice Date: 11/4/2021
CH2M HILL Project No. 705773CH
CH2M HILL Invoice No. 705773CH033
Sequential Invoice Number: 34

**PROFESSIONAL SERVICES RENDERED FOR THE OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)
BIOTRICKLING FILTER DESIGN AND CONSTRUCTION OVERSIGHT**

This invoice includes labor and expenses for the period:
From October 2, 2021 through October 29, 2021

**82912 - 6010101 - 149667 - 730373 - 5456 - 1-3018 - Ch 21 - eng con -
v#22147- exp. 6/26/23 - li#41407**

12/7/21

Authorized Amount: \$ 1,272,470.46
Current Invoice: \$ 2,908.33
Total Invoiced: \$ 1,242,587.99
Percent Complete: 97.65%
Remaining Budget: \$ 29,882.47

Total Amount Due: \$ 2,908.33

Project/Task Number	Description	Total Budget	Previously Invoiced	Current Invoice	Total Invoiced	Percent Spent	Remaining Budget
1	PROJECT MANAGEMENT	\$ 33,527.00	\$ 33,504.07	\$ -	\$ 33,504.07	99.93%	\$ 22.93
2	PRELIMINARY DESIGN	\$ 73,599.00	\$ 73,519.37	\$ -	\$ 73,519.37	99.89%	\$ 79.63
3	FINAL DESIGN	\$ 195,027.00	\$ 195,009.84	\$ -	\$ 195,009.84	99.99%	\$ 17.16
4	BIDDING	\$ 31,841.46	\$ 31,840.94	\$ -	\$ 31,840.94	100.00%	\$ 0.52
5	CONSTRUCTION OBSERVATION	\$ 325,731.16	\$ 325,711.92	\$ -	\$ 325,711.92	99.99%	\$ 19.24
6	REVIEW SUBMITTALS	\$ 85,648.00	\$ 85,581.87	\$ -	\$ 85,581.87	99.92%	\$ 66.13
7	CHANGES & CLAIMS	\$ 17,361.00	\$ 17,274.11	\$ -	\$ 17,274.11	99.50%	\$ 86.89
8	SITE INSPECTION	\$ 31,998.07	\$ 31,975.53	\$ -	\$ 31,975.53	99.93%	\$ 22.54
9	PREPARE O&M MANUAL	\$ 21,715.50	\$ 21,695.78	\$ -	\$ 21,695.78	99.91%	\$ 19.72
10	PROVIDE OPERATING TRAINING	\$ 9,082.00	\$ 6,112.88	\$ -	\$ 6,112.88	67.31%	\$ 2,969.12
11	ASSIST WITH FACILITY START-UP	\$ 17,129.00	\$ 12,942.15	\$ 2,091.22	\$ 15,033.37	87.77%	\$ 2,095.63
12	PREPARE RECORD DRAWINGS	\$ 9,803.00	\$ 6,640.00	\$ 110.20	\$ 6,750.20	68.86%	\$ 3,052.80
13	WARRANTY & PERFORMANCE REVIEWS	\$ 15,370.00	\$ 13,926.17	\$ 706.91	\$ 14,633.08	95.21%	\$ 736.92
14	PROJECT PLANNING	\$ 25,000.00	\$ 24,997.75	\$ -	\$ 24,997.75	99.99%	\$ 2.25
EX	EXPENSES	\$ 17,175.62	\$ 17,175.62	\$ -	\$ 17,175.62	100.00%	\$ -
SUB.METCO	ELECTRICAL ENGINEERING	\$ 74,194.50	\$ 74,194.50	\$ -	\$ 74,194.50	100.00%	\$ -
SUB.NTH	GEOTECH INVESTIGATION	\$ 262,327.15	\$ 262,327.15	\$ -	\$ 262,327.15	100.00%	\$ -
SUB.SDA	SITE SURVEY	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100.00%	\$ -
Subtotal:		\$ 1,251,779.46	\$ 1,239,679.66	\$ 2,908.33	\$ 1,242,587.99	99.27%	\$ 9,191.47
Allowance		\$ 20,691.00	\$ -	\$ -	\$ -	0.00%	\$ 20,691.00
Total:		\$ 1,272,470.46	\$ 1,239,679.66	\$ 2,908.33	\$ 1,242,587.99	99.27%	\$ 29,882.47

OUTSTANDING INVOICES:

INVOICE DATE	INVOICE #	AMOUNT
Total:		\$ -
Current invoice		\$ 2,908.33
TOTAL DUE:		\$ 2,908.33

Payment term: 30 calendar days (NET)

FINANCE CHARGES WILL BE ASSESSED AT 1% PERCENT PER MONTH (OR MAXIMUM PERMISSIBLE UNDER STATE LAW) ON ALL ACCOUNTS OVERDUE UNLESS STATED OTHERWISE IN OUR CONTRACT. CH2M HILL IS INCORPORATED.

Electronic payment details:

Beneficiary Bank: **Bank of America**
Account Name: **CH2M HILL Engineers, Inc.**
Transit for ACH: **111000012**
Transit for Wires: **026009593**
Account No (USD): **4451457732**
SWIFT: **BOFAUS3N**



LG Design is a Subsidiary of CH2M Hill Engineers

Oakland-Macomb Interceptor Drain Drainage District
Oakland County Water Resources Commissioner
One Public Works Drive
Waterford, MI 48328
248-858-0958

Invoice Contact:
Sandy.Pepper@Jacobs.com

Remit to:

LG Design, Inc.
Attn: Judy Rives
1041 East Butler Road
Greenville, SC. 29607
Tax ID : 20-0936384

Invoice Date: 12/2/2021
CH2M HILL Project No. 705773CH
CH2M HILL Invoice No. 705773CH034
Sequential Invoice Number: 35

**PROFESSIONAL SERVICES RENDERED FOR THE OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)
BIOTRICKLING FILTER DESIGN AND CONSTRUCTION OVERSIGHT**

This invoice includes labor and expenses for the period:
From October 30, 2021 through November 26, 2021

**82912 - 6010101 - 149667 - 730373 - 5456 - 1-3018 - Ch 21 - eng con -
v#22147- exp. 6/26/23 - li#41407**

Authorized Amount: \$ 1,272,470.46
Current Invoice: \$ 1,813.14
Total Invoiced: \$ 1,244,401.12
Percent Complete: 97.79%
Remaining Budget: \$ 28,069.34

12/7/21

Total Amount Due: \$ 1,813.14

Project/Task Number	Description	Total Budget	Previously Invoiced	Current Invoice	Total Invoiced	Percent Spent	Remaining Budget
1	PROJECT MANAGEMENT	\$ 33,527.00	\$ 33,504.07	\$ -	\$ 33,504.07	99.93%	\$ 22.93
2	PRELIMINARY DESIGN	\$ 73,599.00	\$ 73,519.37	\$ -	\$ 73,519.37	99.89%	\$ 79.63
3	FINAL DESIGN	\$ 195,027.00	\$ 195,009.84	\$ -	\$ 195,009.84	99.99%	\$ 17.16
4	BIDDING	\$ 31,841.46	\$ 31,840.94	\$ -	\$ 31,840.94	100.00%	\$ 0.52
5	CONSTRUCTION OBSERVATION	\$ 325,731.16	\$ 325,711.92	\$ -	\$ 325,711.92	99.99%	\$ 19.24
6	REVIEW SUBMITTALS	\$ 85,648.00	\$ 85,581.87	\$ -	\$ 85,581.87	99.92%	\$ 66.13
7	CHANGES & CLAIMS	\$ 17,361.00	\$ 17,274.11	\$ -	\$ 17,274.11	99.50%	\$ 86.89
8	SITE INSPECTION	\$ 31,998.07	\$ 31,975.53	\$ -	\$ 31,975.53	99.93%	\$ 22.54
9	PREPARE O&M MANUAL	\$ 21,715.50	\$ 21,695.78	\$ -	\$ 21,695.78	99.91%	\$ 19.72
10	PROVIDE OPERATING TRAINING	\$ 9,082.00	\$ 6,112.88	\$ -	\$ 6,112.88	67.31%	\$ 2,969.12
11	ASSIST WITH FACILITY START-UP	\$ 17,129.00	\$ 15,033.37	\$ 1,133.31	\$ 16,166.68	94.38%	\$ 962.32
12	PREPARE RECORD DRAWINGS	\$ 9,803.00	\$ 6,750.20	\$ 101.50	\$ 6,851.70	69.89%	\$ 2,951.30
13	WARRANTY & PERFORMANCE REVIEWS	\$ 15,370.00	\$ 14,633.08	\$ 578.33	\$ 15,211.41	98.97%	\$ 158.59
14	PROJECT PLANNING	\$ 25,000.00	\$ 24,997.75	\$ -	\$ 24,997.75	99.99%	\$ 2.25
EX	EXPENSES	\$ 17,175.62	\$ 17,175.62	\$ -	\$ 17,175.62	100.00%	\$ -
SUB.METCO	ELECTRICAL ENGINEERING	\$ 74,194.50	\$ 74,194.50	\$ -	\$ 74,194.50	100.00%	\$ -
SUB.NTH	GEOTECH INVESTIGATION	\$ 262,327.15	\$ 262,327.15	\$ -	\$ 262,327.15	100.00%	\$ -
SUB.SDA	SITE SURVEY	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100.00%	\$ -
Subtotal:		\$ 1,251,779.46	\$ 1,242,587.98	\$ 1,813.14	\$ 1,244,401.12	99.41%	\$ 7,378.34
Allowance		\$ 20,691.00	\$ -	\$ -	\$ -	0.00%	\$ 20,691.00
Total:		\$ 1,272,470.46	\$ 1,242,587.98	\$ 1,813.14	\$ 1,244,401.12	99.41%	\$ 28,069.34

OUTSTANDING INVOICES:

INVOICE DATE	INVOICE #	AMOUNT
Total:		\$ -
Current invoice		\$ 1,813.14
TOTAL DUE:		\$ 1,813.14

Payment term: 30 calendar days (NET)

FINANCE CHARGES WILL BE ASSESSED AT 1% PERCENT PER MONTH (OR MAXIMUM PERMISSIBLE UNDER STATE LAW) ON ALL ACCOUNTS OVERDUE UNLESS STATED OTHERWISE IN OUR CONTRACT. CH2M HILL IS INCORPORATED.

Electronic payment details:

Beneficiary Bank: Bank of America
Account Name: CH2M HILL Engineers, Inc.
Transit for ACH: 111000012
Transit for Wires: 026009593
Account No (USD): 4451457732
SWIFT: BOFAUS3N

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 # 1146384

Oakland-Macomb Interceptor Drain Drainage District November 8, 2021
Attn: Megan Koss, Esq. Client: 58434
1 Public Works Drive Matter: 424741
Waterford, MI 48328
WRClegalinvoices@oakgov.com

=====

RE: GLWA Model Wastewater Contract

FOR SERVICES RENDERED through October 31, 2021

Total Services: \$1,404.00

STATEMENT TOTAL \$1,404.00

82912 - 6010101 - 149030 - 731073 -5113 - v#2788 - exp. 5/15/21



12/7/21

SL 12/2/2021

PAYABLE UPON RECEIPT IN U.S. DOLLARS

CLARK HILL

P.L.C.

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

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



12/7/21

INVOICE

Invoice # 1146133

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

November 8, 2021
Client: 30164
Matter: 429385

=====

RE: Ultima Investment Group

FOR SERVICES RENDERED through October 31, 2021

Total Services: \$2,754.00

FOR EXPENSES INCURRED OR ADVANCED:

Recording Fee \$21.00

Total Expenses: \$21.00

INVOICE TOTAL \$2,775.00

10/19/21 1140188 \$1504.50

Past Due Balance: \$1,504.50

TOTAL AMOUNT DUE \$4,279.50

=====

PAYABLE UPON RECEIPT IN U.S. DOLLARS

SL 11/19/2021

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 # 1149879

Oakland-Macomb Interceptor Drain Drainage District November 14, 2021
Attn: Megan Koss, Esq. Client: 58434
1 Public Works Drive Matter: 404547
Waterford, MI 48328
WRClegalinvoices@oakgov.com

=====

RE: Northeast Interceptor East Arm Improvements

FOR SERVICES RENDERED through October 31, 2021

Total Services: \$15,498.00

STATEMENT TOTAL \$15,498.00

84917 - 149015 - 731073 - 1-3308 - LEGAL - 5113 - v#2788 - li#39308 - exp. 5/15/22



12/7/21

SL 12/2/2021

PAYABLE UPON RECEIPT IN U.S. DOLLARS

CORTIS BROS TRUCKING & EXCAVATING, INC.6052 Starville Road
Marine City, MI 4803982912 - 6010101 - 149666 - 730660 - 6018 - Ch. 21 v# 23346 - exp.
3/1/23 - li#43605Voice: 810-765-1426
Fax: 810-765-1460

JTB 12/7/21

INVOICE

Invoice Number: 8799

Invoice Date: Nov 18, 2021

Page: 1

Bill To:OMIDDD
2100 Pontiac Lake Rd.
Building 41 West
Waterford, MI 48238**Ship to:**

15 MILE INTERCEPTOR

Customer ID	Customer PO	Payment Terms	
OMIDDD	CONTRACT# 6018	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
			12/18/21

Quantity	Item	Description	Unit Price	Amount
3.00		CORTIS VENDOR# 23346 Cortis Ticket# 4879 dated 11/10/21 - 7:30 am on-site meeting w/ Joel & Kyle - acquired/delivered butyl rope - Operator 7:30 am to 10:10 am - 3.0 hours @ \$80/hr	80.00	240.00
		Cortis Ticket# 4879 dated 11/10/21 - 3/4 x 146' Butyl Rubber Rope - lot price for 10 rolls (4 boxes)		541.02
4.00		Cortis Ticket# 4884 dated 11/12/21 - Reset manhole covers - Operator w/ 336 excavator 7:00 am to 11:00 am - 4.0 hours @ \$265/hr	265.00	1,060.00
4.00		Cortis Ticket# 4884 dated 11/12/21 - Operator w/ lowboy 7:00 am to 11:00 am - 4.0 hours @ \$170/hr	170.00	680.00
4.00		Cortis Ticket# 4884 dated 11/12/21 - Operator 7:00 am to 11:00 am - 4.0 hours @ \$80/hr	80.00	320.00
4.00		Cortis Ticket# 4884 dated 11/12/21 - Laborer 7:00 am to 11:00 am - 4.0 hours @ \$70/hr	70.00	280.00
Subtotal				3,121.02
Sales Tax				
Total Invoice Amount				3,121.02
Payment/Credit Applied				
TOTAL				3,121.02

Check/Credit Memo No:

INVOICE DATE: NOVEMBER 10, 2021
 INVOICE NO.: 1635136

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

ATTN: STEVE KORTH

CLIENT/MATTER NO.: 012840-00436

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



12/7/21

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

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH OCTOBER 31, 2021

USD

TOTAL FEES CURRENT INVOICE \$ 525.00

TOTAL CURRENT INVOICE \$ 525.00

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF NOVEMBER 10, 2021

INVOICE	DATE	BILLED VALUE	PAYMENTS	OUTSTANDING	
1602750	07/26/21	150.00	(0.00)	150.00	TBP NOV. OMID
1624182	10/07/21	712.50	(0.00)	712.50	

TOTAL OUTSTANDING FROM PRIOR INVOICES \$ 862.50

TOTAL AMOUNT DUE \$ 1,387.50

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)



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

Invoice #	84957	Page	1 of 1
Account Number	OAKLINT-01	Date	12/3/2021
BALANCE DUE ON	12/31/2021		
AMOUNT PAID		Amount Due	\$46,665.00

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

Joel R

12/7/21

Oakland-Macomb Interceptor Drain **Drainage District (OMIDD)**

Attn: Joel Brown

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

Project: Northeast Sewage Pump Station

Payment Methods:

ACH/Wire Information

Bank of America

Acct Name: Meadowbrook Inc.

Acct Number: 5401978514

ACH: Acct ABA #: 071000039

Wire: Acct ABA #: 026009593

Make checks payable to:

Meadowbrook Insurance Agency

NESPS Safety Consultant & Administration Policy Number OCIPNESPSAD MIN21 Effective: 9/20/21 to 9/20/22

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
256106	9/20/2021	12/31/2021	RENB	2 of 4 Quarterly Installments	\$44,200.00
268496	9/20/2021	12/31/2021	RENB	OMIDD CSC - Overtime from July 4, 2021 to October 2, 2021 (24 Hrs @ Standard Rate \$85.00/Hr)	\$2,465.00

Total Invoice Balance: **\$46,665.00**

Payment due upon receipt.

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

JTB 12/6/21

Date	Invoice #
8/31/2021	88220

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	9/30/2021	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
EMERGENCY - Northeast Pump Station Bypass July 2021						
Equipment Rental						
18" HYDRAULIC SUBMERSIBLE PUMP - MIX FLOW	7/31/2021	8/27/2021	MF1802	1	6,033.00	6,033.00
18" HYDRAULIC SUBMERSIBLE PUMP - MIX FLOW	7/31/2021	8/27/2021	MF1803	1	6,033.00	6,033.00
200 HP HYDRAULIC POWER PACK (FLOW VS. HEAD)	7/31/2021	8/27/2021	HYD1213	1	6,342.00	6,342.00
200 HP HYDRAULIC POWER PACK (FLOW VS. HEAD)	7/31/2021	8/27/2021	HYD1218	1	6,342.00	6,342.00
24" HDPE PIPE - VC	7/31/2021	8/27/2021		710	6.60	4,686.00
250HP VERTICAL TURBINE PUMP	7/31/2021	8/27/2021	20VT-001	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	7/31/2021	8/27/2021	20VT-002	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	7/31/2021	8/27/2021	20VT-003	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	7/31/2021	8/27/2021	20VT-006	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	7/31/2021	8/27/2021	20VT-007	1	20,000.00	20,000.00
Labor Charges						
Labor: Operator Over Time	7/31/2021	7/31/2021		90.222	109.25	9,856.75
Labor: Supervisor Straight Time	7/30/2021	7/30/2021		5	86.25	431.25
Labor: Supervisor Over Time	7/31/2021	7/31/2021		42.5	115.00	4,887.50

Thank you for your business.**Total**

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits**Balance Due**

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
8/31/2021	88220

Bill To
Oakland County WRC One Public Works Dr Bldg 95 West Waterford Township, MI 48328

Ship To
15 Mile Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	9/30/2021	

[illegible]

Thank you for your business.		Total	USD 149,973.70
REMIT TO: MERSINO DEWATERING, INC. P.O. BOX 105951 ATLANTA, GA 30348-5951		Payments/Credits	USD -7,927.50
		Balance Due	USD 142,046.20

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

JTB 12/6/21

Date	Invoice #
8/31/2021	88225

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project		Terms	Due Date	P.O. No.		
43805 - Emergency Northeast Pump Station		Net 30 days	9/30/2021			
Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
EMERGENCY - Northeast Pump Station Bypass August 2021						
Equipment Rental - One Month						
24" FLANGE X 18" FL ECCENTRIC REDUCER	8/1/2021	8/28/2021		3	750.00	2,250.00
18" HDPE 90 DEG ELBOW	8/1/2021	8/28/2021		3	138.60	415.80
18" HDPE FLANGE ADPT & BACK RING	8/1/2021	8/28/2021		5	138.60	693.00
400 KVA GENERATOR	8/1/2021	8/28/2021	400-02	1	4,620.00	4,620.00
400 KVA GENERATOR	8/1/2021	8/28/2021	400-06	1	4,620.00	4,620.00
HYDRAULIC HOSE 1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-060	1	150.00	150.00
HYDRAULIC HOSE 1/2" X 50' 5000 PSI	8/1/2021	8/28/2021	HY5-005	1	150.00	150.00
HYDRAULIC HOSE 1/2" X 50' 5000 PSI	8/1/2021	8/28/2021	HY5-008	1	150.00	150.00
HYDRAULIC HOSE 1/2" X 50' 5000 PSI	8/1/2021	8/28/2021	HY5-011	1	150.00	150.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-043	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-046	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-047	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-062	1	383.00	383.00

Thank you for your business.**Total**

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits**Balance Due**

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
8/31/2021	88225

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project			Terms	Due Date	P.O. No.	
43805 - Emergency Northeast Pump Station			Net 30 days	9/30/2021		
Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-067	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-068	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-069	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/1/2021	8/28/2021	HY4-070	1	383.00	383.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/1/2021	8/28/2021	LT24	1	2,601.00	2,601.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/1/2021	8/28/2021	LT09	1	2,601.00	2,601.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/1/2021	8/28/2021	LT43	1	2,601.00	2,601.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/1/2021	8/28/2021	LT28	1	2,601.00	2,601.00
18" HDPE PIPE - DC	8/1/2021	8/28/2021		224	3.45	772.80
24" HDPE PIPE - VC	8/1/2021	8/28/2021		310	6.60	2,046.00
24" HDPE PIPE - VC	8/1/2021	8/28/2021		760	6.60	5,016.00
24" HDPE PIPE - VC	8/1/2021	8/28/2021		573	6.60	3,781.80
24" HDPE PIPE - VC	8/1/2021	8/28/2021		666	6.60	4,395.60
250HP VERTICAL TURBINE PUMP	8/3/2021	8/30/2021	20VT-004	1	20,000.00	20,000.00

Thank you for your business.

Total

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits

Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
8/31/2021	88225

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	9/30/2021	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
250HP VERTICAL TURBINE PUMP	8/3/2021	8/30/2021	20VT-005	1	20,000.00	20,000.00
3 PUMP BASE	8/1/2021	8/28/2021	PB-004		6,200.00	6,200.00
2 PUMP BASE	8/1/2021	8/28/2021	PB-008	1	4,950.00	4,950.00
2 PUMP BASE	8/1/2021	8/28/2021	PB-002		4,950.00	4,950.00
300KVA GENERATOR	8/3/2021	8/30/2021	300-04	1	4,322.50	4,322.50
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/3/2021	8/30/2021	LT47	1	2,601.00	2,601.00
24" HDPE PIPE - VC	8/3/2021	8/30/2021		5,601	6.60	36,966.60
VFD 515 AMP, 240/480V 3PH	8/1/2021	8/28/2021	AGG01		9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/1/2021	8/28/2021	AGG02		9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/1/2021	8/28/2021	AGG03		9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/1/2021	8/28/2021	AGG04		9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/1/2021	8/28/2021	AGG05		9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/1/2021	8/28/2021	AGG06		9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/1/2021	8/28/2021	AGG07		9,071.00	9,071.00
6" FLANGE X STRAIGHT PIPE	8/4/2021	8/31/2021		1	21.00	21.00
300KVA GENERATOR	8/4/2021	8/31/2021	300-02	1	4,322.50	4,322.50
300KVA GENERATOR	8/4/2021	8/31/2021	300-05	1	4,322.50	4,322.50
200 HP HYDRAULIC POWER PACK	8/4/2021	8/31/2021	HYD1201	1	6,342.00	6,342.00
200 HP HYDRAULIC POWER PACK	8/4/2021	8/31/2021	HYD1202	1	6,342.00	6,342.00
750KVA GENERATOR	8/5/2021	9/1/2021	750-03	1	13,125.00	13,125.00
24" HDPE 45 DEG ELBOW	8/6/2021	9/2/2021		1	444.00	444.00

Thank you for your business.

Total

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits

Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
8/31/2021	88225

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	9/30/2021	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
18" HDPE FLANGE ADPT & BACK RING	8/6/2021	9/2/2021		2	138.60	277.20
300KVA GENERATOR	8/6/2021	9/2/2021	300-01	1	4,322.50	4,322.50
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/6/2021	9/2/2021	LT06	1	2,601.00	2,601.00
24" X 18" HDPE CONCENTRIC REDUCER	8/6/2021	9/2/2021		3	554.40	1,663.20
24" X 18" HDPE CONCENTRIC REDUCER	8/6/2021	9/2/2021		3	554.40	1,663.20
MCM 350 ELECTRICAL CABLE	8/6/2021	9/2/2021		700	10.95	7,665.00
CONEX SUPPLY TRAILER	8/6/2021	9/2/2021		1	1,500.00	1,500.00
Labor Charges						
Labor: Admin/Engineer Straight Time	8/1/2021	8/30/2021		8	57.50	460.00
Labor: Operator Straight Time	8/1/2021	8/30/2021		490.884	80.50	39,516.16
Labor: Operator Over Time	8/1/2021	8/30/2021		190.281	109.25	20,788.20
Labor: Operator Double Time	8/1/2021	8/30/2021		191.971	143.75	27,595.83
Labor: Supervisor Straight Time	8/1/2021	8/30/2021		64.5	86.25	5,563.13
Labor: Supervisor Over Time	8/1/2021	8/30/2021		20	115.00	2,300.00
Labor: Supervisor Double Time	8/1/2021	8/30/2021		64	155.25	9,936.00
Vehicles & Mileage						
Daily Vehicle Usage: Technician Truck	8/1/2021	8/30/2021		32	175.00	5,600.00

Thank you for your business.

Total

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits

Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
8/31/2021	88225

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	9/30/2021	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
Technician Truck Mileage	8/1/2021	8/30/2021		4,752	0.95	4,514.40
Daily Vehicle Usage: Semi Truck	8/1/2021	8/30/2021		4	500.00	2,000.00
Semi Truck Mileage	8/1/2021	8/30/2021		576	1.85	1,065.60
Daily Vehicle Usage: Trailer	8/1/2021	8/30/2021		2	250.00	500.00
Blue Book Equipment	8/1/2021	8/30/2021		1	49,246.96	49,246.96
Additional Charges						
Third Party Trucking	8/2/2021	8/3/2021		1	22,137.50	22,137.50
Per Diem	8/1/2021	8/5/2021		1	400.00	400.00
Materials & Supplies	8/1/2021	8/30/2021		1	6,918.67	6,918.67
Subcontractors	8/1/2021	8/30/2021		1	266,602.05	266,602.05

Thank you for your business.

Total USD 725,921.70

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits USD -17,841.25

Balance Due USD 708,080.45

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

JTB 12/6/21

Date	Invoice #
9/30/2021	88478

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project			Terms	Due Date	P.O. No.	
43805 - Emergency Northeast Pump Station			Net 30 days	10/30/2021		
Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
EMERGENCY - Northeast Pump Station Bypass September 2021						
Equipment Rental - One Month						
24" FLANGE X 18" FL ECCENTRIC REDUCER	8/29/2021	9/25/2021		9	750.00	6,750.00
18" HDPE 90 DEG ELBOW	8/29/2021	9/25/2021		3	138.60	415.80
18" HDPE FLANGE ADPT & BACK RING	8/29/2021	9/25/2021		5	138.60	693.00
400 KVA GENERATOR	8/29/2021	9/25/2021	400-02	1	4,620.00	4,620.00
400 KVA GENERATOR	8/29/2021	9/25/2021	400-06	1	4,620.00	4,620.00
HYDRAULIC HOSE 1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-060	1	150.00	150.00
HYDRAULIC HOSE 1/2" X 50' 5000 PSI	8/29/2021	9/25/2021	HY5-005	1	150.00	150.00
HYDRAULIC HOSE 1/2" X 50' 5000 PSI	8/29/2021	9/25/2021	HY5-008	1	150.00	150.00
HYDRAULIC HOSE 1/2" X 50' 5000 PSI	8/29/2021	9/25/2021	HY5-011	1	150.00	150.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-043	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-046	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-047	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-062	1	383.00	383.00

Thank you for your business.**Total**

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits**Balance Due**

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
9/30/2021	88478

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project		Terms	Due Date	P.O. No.		
43805 - Emergency Northeast Pump Station		Net 30 days	10/30/2021			
Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-067	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-068	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-069	1	383.00	383.00
HYDRAULIC HOSE 1-1/2" X 50' 4000 PSI	8/29/2021	9/25/2021	HY4-070	1	383.00	383.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/29/2021	9/25/2021	LT24	1	2,601.00	2,601.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/29/2021	9/25/2021	LT09	1	2,601.00	2,601.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/29/2021	9/25/2021	LT28	1	2,601.00	2,601.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/29/2021	9/25/2021	LT43	1	2,601.00	2,601.00
18" HDPE PIPE - DC	8/29/2021	9/25/2021		224	3.45	772.80
24" HDPE PIPE - VC	8/29/2021	9/25/2021		310	6.60	2,046.00
24" HDPE PIPE - VC	8/29/2021	9/25/2021		760	6.60	5,016.00
24" HDPE PIPE - VC	8/29/2021	9/25/2021		573	6.60	3,781.80
24" HDPE PIPE - VC	8/29/2021	9/25/2021		666	6.60	4,395.60
250HP VERTICAL TURBINE PUMP	8/31/2021	9/27/2021	20VT-004	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	8/31/2021	9/27/2021	20VT-005	1	20,000.00	20,000.00

Thank you for your business.

Total

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits

Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
9/30/2021	88478

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project			Terms	Due Date	P.O. No.	
43805 - Emergency Northeast Pump Station			Net 30 days	10/30/2021		
Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
300KVA GENERATOR	8/31/2021	9/27/2021	300-04	1	4,322.50	4,322.50
3 PUMP BASE	8/29/2021	9/25/2021	PB-004	1	6,200.00	6,200.00
2 PUMP BASE	8/29/2021	9/25/2021	PB-008	1	4,950.00	4,950.00
2 PUMP BASE	8/29/2021	9/25/2021	PB-002	1	4,950.00	4,950.00
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	8/31/2021	9/27/2021	LT47	1	2,601.00	2,601.00
24" HDPE PIPE - VC	8/31/2021	9/27/2021		5,601	6.60	36,966.60
6" FLANGE X STRAIGHT PIPE	9/1/2021	9/28/2021		1	21.00	21.00
300KVA GENERATOR	9/1/2021	9/28/2021	300-02	1	4,322.50	4,322.50
200 HP HYDRAULIC POWER PACK	9/1/2021	9/28/2021	HYD1201	1	6,342.00	6,342.00
200 HP HYDRAULIC POWER PACK	9/1/2021	9/28/2021	HYD1202	1	6,342.00	6,342.00
24" HDPE FLANGE ADAPTER & BACK RING	9/3/2021	9/30/2021		12	444.00	5,328.00
750KVA GENERATOR	9/2/2021	9/29/2021	750-03	1	13,125.00	13,125.00

Thank you for your business.

Total

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits

Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
9/30/2021	88478

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	10/30/2021	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
24" HDPE 90 DEG ELBOW	9/3/2021	9/30/2021		3	444.00	1,332.00
24" HDPE 45 DEG ELBOW	9/3/2021	9/30/2021		11	444.00	4,884.00
18" HDPE FLANGE ADPT & BACK RING	9/3/2021	9/30/2021		2	138.60	277.20
LIGHT TOWER 6 KW, 4 X 1000W LAMPS	9/3/2021	9/30/2021	LT06	1	2,601.00	2,601.00
24" X 18" HDPE CONCENTRIC REDUCER	9/3/2021	9/30/2021		6	554.40	3,326.40
VFD 515 AMP, 240/480V 3PH	8/29/2021	9/25/2021	AGG01	1	9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/29/2021	9/25/2021	AGG02	1	9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/29/2021	9/25/2021	AGG03	1	9,071.00	9,071.00

Thank you for your business.

Total

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits

Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
9/30/2021	88478

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	10/30/2021	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
VFD 515 AMP, 240/480V 3PH	8/29/2021	9/25/2021	AGG04	1	9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/29/2021	9/25/2021	AGG05	1	9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/29/2021	9/25/2021	AGG06	1	9,071.00	9,071.00
VFD 515 AMP, 240/480V 3PH	8/29/2021	9/25/2021	AGG07	1	9,071.00	9,071.00
250HP VERTICAL TURBINE PUMP	8/29/2021	9/25/2021	20VT-001	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	8/29/2021	9/25/2021	20VT-002	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	8/29/2021	9/25/2021	20VT-003	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	8/29/2021	9/25/2021	20VT-006	1	20,000.00	20,000.00
250HP VERTICAL TURBINE PUMP	8/29/2021	9/25/2021	20VT-007	1	20,000.00	20,000.00
200 HP HYDRAULIC POWER PACK (FLOW VS. HEAD)	8/29/2021	9/25/2021	HYD1213	1	6,342.00	6,342.00

Thank you for your business.

Total

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits

Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
9/30/2021	88478

Bill To

Oakland County WRC
One Public Works Dr Bldg 95 West
Waterford Township, MI 48328

Ship To

15 Mile
Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	10/30/2021	

Description	Start Date	End Date	MDI Fleet#	Qty	Rate	Amount
200 HP HYDRAULIC POWER PACK (FLOW VS. HEAD)	8/29/2021	9/25/2021	HYD1218	1	6,342.00	6,342.00
18" HYDRAULIC SUBMERSIBLE PUMP - MIX FLOW	8/29/2021	9/25/2021	MF1802	1	6,033.00	6,033.00
18" HYDRAULIC SUBMERSIBLE PUMP - MIX FLOW	8/29/2021	9/25/2021	MF1803	1	6,033.00	6,033.00
24" HDPE PIPE - VC	8/29/2021	9/25/2021		710	6.60	4,686.00
MCM 350 ELECTRICAL CABLE	9/3/2021	9/30/2021		700	10.95	7,665.00
CONEX SUPPLY TRAILER	9/3/2021	9/30/2021		1	1,500.00	1,500.00
Labor: Admin.	9/1/2021	9/30/2021		4	57.50	230.00
Labor: Operator Straight Time	9/1/2021	9/30/2021		39.455	80.50	3,176.13
Labor: Operator Over Time	9/1/2021	9/30/2021		1.867	109.25	203.97
Labor. Project Manager/Foreman	9/1/2021	9/30/2021		12	86.25	1,035.00
Vehicles & Mileage						
Daily Vehicle Usage: Technician Truck	9/1/2021	9/30/2021		11	175.00	1,925.00

Thank you for your business.

Total

REMIT TO:
MERSINO DEWATERING, INC.
P.O. BOX 105951
ATLANTA, GA 30348-5951

Payments/Credits

Balance Due

Invoice

MERSINO DEWATERING, INC.
600 W. DRYDEN ROAD
METAMORA, MI 48455
(810) 658-3472

Date	Invoice #
9/30/2021	88478

Bill To
Oakland County WRC One Public Works Dr Bldg 95 West Waterford Township, MI 48328

Ship To
15 Mile Macomb County, MI

Project	Terms	Due Date	P.O. No.
43805 - Emergency Northeast Pump Station	Net 30 days	10/30/2021	

[illegible]

Thank you for your business.		Total	USD 423,038.06
REMIT TO: MERSINO DEWATERING, INC. P.O. BOX 105951 ATLANTA, GA 30348-5951		Payments/Credits	USD -23,607.50
		Balance Due	USD 399,430.56



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

INVOICE NO. 1811-35

DATE: December 1, 2021

METCO PROJECT NO. 1811

INVOICE PERIOD: 11/1 thru 11/28/2021

Contract ID 000000000000000000005517

Vendor ID 0000020486

TO: OMIDD

Water Resources Commissioner

One Public Works Drive

Waterford, MI 48328

Attn: Mr. Sid Lockhart, PE

Deputy Chief Engineer/Special Projects Manager

TITLE: OMID & NESPS Operation and Maintenance

Operational Plan

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	18.0	\$ 145.00	\$ 2,610.00
Terry Moore	Operations Manager (Overtime)	14.0	\$ 195.00	\$ 2,730.00
Darrin Green	Staff Engineer	28.0	\$ 90.00	\$ 2,520.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Anthony Vozza	Staff Engineer	24.0	\$ 90.00	\$ 2,160.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal OMID Operatons:				\$ 10,020.00

JTB 12/7/21

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	18.0	\$ 145.00	\$ 2,610.00
Terry Moore	Operations Manager (Overtime)	12.0	\$ 195.00	\$ 2,340.00
Darrin Green	Staff Engineer	29.0	\$ 90.00	\$ 2,610.00
Darrin Green	Staff Engineer-(Overtime)	4.0	\$ 135.00	\$ 540.00
Anthony Vozza	Staff Engineer	21.5	\$ 90.00	\$ 1,935.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Rosana Santos	Administrative Assoc.	4.0	\$ 73.79	\$ 295.16
Subtotal NEPS Operations				\$ 12,050.16

JTB 12/7/21

Subtotal Operations \$ 22,070.16

Maintenance & Asset Management

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

Name	Title	Hrs.	Rate/Hr.	Amount
Terry Moore	Operations Manager	18.0	\$ 145.00	\$ 2,610.00
Terry Moore	Operations Manager (Overtime)	8.0	\$ 195.00	\$ 1,560.00
Anthony Vozza	Staff Engineer	14.0	\$ 90.00	\$ 1,260.00
Darrin Green	Staff Engineer	18.0	\$ 90.00	\$ 1,620.00
Subtotal OMID Maintenance:				\$ 7,050.00

JTB 12/7/21

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

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	18.0	\$ 145.00	\$ 2,610.00
Terry Moore	Operations Manager (Overtime)	9.0	\$ 195.00	\$ 1,755.00
Daniel Martel	Sr. Project Coordinator	12.0	\$ 145.00	\$ 1,740.00
Sean Grant	Sr. Project Engineer	0.0	\$ 145.00	\$ -
Travis Ford	Sr. Project Engineer	0.0	\$ 145.00	\$ -

Shailesh Patel	Sr. Project Engineer	24.0	\$	145.00	\$	3,480.00
Darrin Green	Staff Engineer	29.0	\$	90.00	\$	2,610.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Anthony Vozza	Staff Engineer	49.5	\$	90.00	\$	4,455.00
Anthony Vozza	Staff Engineer-(Overtime)	5.0	\$	135.00	\$	675.00
Christian Hatchett	Staff Engineer	0.0	\$	45.00	\$	-
Brandon Brochue	Designer/Drafter	8.0	\$	85.00	\$	680.00
Subtotal:						\$ 19,725.00
Maintenance Services (see attached invoices):						\$ 598.84
Subtotal NEPS Maintenance:						\$ 20,323.84
Subtotal Maintenance:						\$ 27,373.84

JTB 12/7/21

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	0.0	\$ 145.00	\$ -
Terry Moore	Operations Manager (Overtime)	0.0	\$ 195.00	\$ -
Sean Grant	Sr. Project Engineer	24.0	\$ 145.00	\$ 3,480.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Anthony Vozza	Staff Engineer	0.0	\$ 90.00	\$ -
Abhishek Shah	Staff Engineer	134.0	\$ 90.00	\$ 12,060.00
Brandon Brochue	Designer/Drafter	0.0	\$ 85.00	\$ -
Subtotal 6.0:				\$ 15,540.00

JTB 12/7/21

Task 12.0 - As-Needed Services

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

TOTAL AMOUNT DUE THIS INVOICE: \$ 64,984.00



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

**84915 - 149015 - 730639 - 2603 - 1-2232 Ch 21 - eng con v#4716 exp. 12/31/21
li#24138**

Jol R

12/7/21

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

Invoice # : 59
Project : 61-210313
Invoice Group : **
Invoice Date : 12/2/2021

Attention Sid Lockhart

For Professional Services Rendered from 10/23/2021 - 11/19/2021

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

Task 01	Contract 3 NESPS Rehab Closeout	\$9,563.00
Task 02	PCI-4 Liner Deterioration Closeout	\$10,939.00
Task 03	Discharge Pipe Coating Rehabilitation	\$27,930.00
Task 04	NESPS Wet Well Sediment Survey	\$19,639.00
Preliminary Budget Amount		<u>\$68,071.00</u>
Percent Complete:		23.96%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 1,046.39	\$ 2,754.65
Overhead %	188.00	1,967.21	5,178.74
Total Regular Labor Expense		3,013.60	7,933.39
Total Direct Labor		3,013.60	7,933.39
Profit / Fixed Fee %	12.00	361.63	952.01
Direct Expenses Charge		0.00	0.00
Expense Multiplier %	5.00	0.00	0.00
Direct Subcontractor Charge		2,619.56	7,067.67
Subcontractor/Subconsultant Multiplier %	5.00	130.98	353.38
Total Other Direct Charges Reimbursables		2,750.54	7,421.05
Total Costs:		6,125.77	16,306.45
Total Due This Invoice		\$ 6,125.77	\$ 16,306.45



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

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

JTB 12/7/21

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

Invoice # : 12
Project : 61-200186
Invoice Group : **
Invoice Date : 12/2/2021

Attention: Sid Lockhart

For Professional Services Rendered from **10/23/2021 - 11/19/2021**

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	\$2,261,190.15
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	\$2,478,658.15
	Percent Complete:	34.64%

Note: As needed budget from Phase 01 has been moved to 61-200186, Phase 03 to cover the CS-9 Hatch Investigation and Hobas Repair efforts. Phase 03 is under a separate invoice. So the sum of Phase 01 and Phase 03 budgets will be equal to the total approved budget for Phase 01 under EWO D-425.

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	9,427.22	\$ 143,883.29
Overhead %	188.00	17,723.17	270,500.60
Total Regular Labor Expense		27,150.39	414,383.89
Total Direct Labor		27,150.39	414,383.89
Profit / Fixed Fee %	12.00	3,258.05	49,726.08
Direct Expenses Charge		110.48	3,648.88
Expense Multiplier %	5.00	5.52	182.44
Direct Subcontractor Charge		29,031.08	368,640.17
Subcontractor/Subconsultant Multiplier %	6.00	1,741.86	22,118.45
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		30,888.94	394,589.94
Total Costs:		61,297.38	858,699.91
Total Due This Invoice		\$ 61,297.38	\$ 858,699.91

**NTH Consultants, Ltd.**Infrastructure Engineering
and Environmental Services**84917 - 6010101 - 149015 - 730639 - 2603 - 1-3308 - Ch.21 v#4716 - li#24138 -
exp. 12/31/21****JTB 12/7/21**OMI Drain Drainage District
One Public Works Drive
Building 95 West
Waterford, MI 48328Invoice # : 30
Project : 61-190078
Invoice Group : NI-EA
Invoice Date : 12/2/2021**Attention: Sid Lockhart**

For Professional Services Rendered from 10/23/2021 - 11/19/2021

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

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

Preliminary Budget Amount	\$2,273,833.00
Percent Complete:	90.00%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 12,478.23	\$ 295,579.89
Overhead %	188.00 23,459.07	555,690.21
Total Regular Labor Expense	35,937.30	851,270.10
Total Direct Labor	35,937.30	853,884.97
Profit / Fixed Fee %	12.00 4,312.48	102,152.40
Direct Expenses Charge	218.15	27,525.07
Expense Multiplier %	5.00 10.91	1,376.30
Direct Subcontractor Charge	16,408.71	1,003,888.55
Subcontractor/Subconsultant Multiplier %	6.00 984.52	60,233.47
Direct Unit Rate Charge	0	0
Total Other Direct Charges Reimbursables	17,622.29	1,093,023.39
Total Costs:	57,872.07	2,046,445.89
Total Due This Invoice	\$ 57,872.07	\$ 2,046,445.89



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

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

JL R

12/7/21

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

Invoice # : 34
Project : 61-190044
Invoice Group : REPAIRS
Invoice Date : 12/2/2021

Attention: Sid Lockhart

For Professional Services Rendered from 10/23/2021 - 11/19/2021

OMID System Immediate Repairs

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

Analysis of Costs		This Invoice	Cumulative
Direct Salaries (Task 01 & 02)		\$ 1,532.28	\$ 58,496.11
Overhead %	188.00	2,880.69	109,972.68
Total Regular Labor Expense		4,412.97	168,468.79
Total Direct Labor		4,412.97	168,468.79
Profit / Fixed Fee %	12.00	529.56	20,216.25
Direct Expenses Charge		22.86	3,682.64
Expense Multiplier %	5.00	1.14	234.15
Direct Subcontractor Charge		0.00	40,248.30
Subcontractor/Subconsultant Multiplier %	5.00	0.00	2,012.46
Total Other Direct Charges Reimbursables		24.00	46,177.55
Total Costs:		4,966.53	234,862.59
Total Due This Invoice		\$ 4,966.53	\$ 234,862.59



PMA Consultants

226 W. Liberty Street ■ Ann Arbor, MI 48104

Tel: 734.769.0530 ■ Fax: 734.663.9561

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

November 9, 2021

Invoice No: 03559.01 - 17

84917 - 6010101 - 149015 - 731444 - 6096- 1-3309 - ch21 - engcon - v#16918 - exp.5/29/23

12/7/21

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from October 1, 2021 to October 31, 2021

Professional Personnel

	Hours	Rate	Amount
Zann, John	46.00	94.00	4,324.00
Totals	46.00		4,324.00
Total Labor			4,324.00

Additional Fees

Overhead	149.10 % of 4,324.00	6,447.08
Profit	10.00 % of 10,771.08	1,077.11
Total Additional Fees		7,524.19

Billing Limits

	Current	Prior	To-Date
Total Billings	11,848.19	134,193.66	146,041.85
Limit			450,000.00
Remaining			303,958.15

Total this Invoice \$11,848.19

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



PMA Consultants

226 W. Liberty Street ■ Ann Arbor, MI 48104

Tel: 734.769.0530 ■ Fax: 734.663.9561

Oakland County Water Resources Commissioner

Attn: Sid Lockhard, P.E.

One Public Works Drive

Building 95-West

Waterford 48328

December 3, 2021

Invoice No: 03559.01 - 18

84917 - 6010101 - 149015 - 731444 - 6096- 1-3309 - ch21 - engcon - v#16918 - exp. 5/29/23

John R.

12/7/21

Project 03559.01

Oakland-Macomb Interceptor Drainage 2020

Professional Services from November 1, 2021 to November 30, 2021

Professional Personnel

	Hours	Rate	Amount
Zann, John	54.00	94.00	5,076.00
Totals	54.00		5,076.00
Total Labor			5,076.00

Additional Fees

Overhead	149.10 % of 5,076.00	7,568.32
Profit	10.00 % of 12,644.32	1,264.43
Total Additional Fees		8,832.75

Billing Limits

	Current	Prior	To-Date
Total Billings	13,908.75	146,041.85	159,950.60
Limit			450,000.00
Remaining			290,049.40

Total this Invoice \$13,908.75

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

Agenda Item No. 11

Other Business

Agenda Item No. 12

Work in Progress Reporting
Closed Session

Agenda Item No. 13

GLWA Model Sewer Contract
Closed Session

Agenda Item No. 14

Adjourn