

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

November 18, 2020 – 11:30 a.m.
Via GoToMeeting

1. Call meeting to order

Board Members:

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

Candice Miller, Macomb County Public Works Commissioner

Jim Nash, Oakland County Water Resources Commissioner

2. Motion to approve the meeting agenda for November 18, 2020
3. Motion to approve the Drainage District Board Meeting Minutes from October 21, 2020
4. Public Comment
5. Motion to approve the following Change Order:

CSM Mechanical Change Order No. 9 for the NESPS Odor/ Corrosion Control Project for a net decrease in the amount of \$6,113.16
6. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 14 for CSM Mechanical, LLC for the NESPS Odor/ Corrosion Control Project in the amount of \$18,661.96
 - b) Construction Estimate No. 1 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$586,049.11 with a transfer to the Oakland County Treasurer in the amount of \$65,116.57
 - c) Construction Estimate No. 3 for Detroit Elevator for the NESPS Elevator Modernization in the amount of \$10,868.30
7. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS, NI-EA
8. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
9. Motion to approve the following invoices:
 - a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs
 - 1) Labor/Fringes/Non-Direct Labor Factor

• Segment 4 NESPS Odor Corrosion Study	\$	12,798.85
• Segment 4 NESPS Gatehouse	\$	699.48
 - 2) Equipment Charges

• Segment 4 NESPS Odor Corrosion Study	\$	1,837.07
• Segment 4 NESPS Gatehouse	\$	26.91

3)	Reimbursement of the Drain Revolving Fund Macomb County Invoice No. ARP 200228		\$	11,652.58
b)	CH2M Invoice No. 705773CH021	Seg. 4	\$	9,817.50
c)	Clark Hill			
1)	Invoice No. 1026480	O&M	\$	810.00
2)	Invoice No. 1026481	O&M	\$	756.00
3)	Invoice No. 1027273	O&M	\$	2,538.00
4)	Invoice No. 1036351	O&M	\$	594.00
d)	CSM Mechanical			
1)	Invoice No. 200MIDD006	O&M	\$	29,019.25
2)	Invoice No. 200MIDD011	O&M	\$	2,950.00
3)	Invoice No. 2020-0002.3	O&M	\$	22,549.11
e)	Dickinson Wright Invoice No. 1521075	O&M	\$	4,760.00
f)	Konecranes Invoice No. 15438945	O&M	\$	1,392.00
g)	METCO			
1)	Invoice No. 1811-21	O&M	\$	69,967.41
2)	Invoice No. 1811-22	O&M	\$	108,544.67
h)	Motor City Electric Technologies Inc.			
1)	Invoice No. 93288	O&M	\$	17,436.00
2)	Invoice No. 93289	O&M	\$	10,852.47
3)	Invoice No. 93305	O&M	\$	154.00
4)	Invoice No. 93306	O&M	\$	308.00
5)	Invoice No. 93307	O&M	\$	269.50
6)	Invoice No. 93315	O&M	\$	25,000.00
i)	NTH Consultants, Ltd			
1)	Safety Manual and Crane Support Eval. Invoice No. 5	O&M	\$	843.56
2)	CS9 – Hydraulic Control Gate Invoice No. 7	NI-EA	\$	11,734.49
3)	NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4 Invoice No. 17	NI-EA	\$	58,572.77
4)	Repairs – OMID System Immediate Repairs Invoice No. 21	OIR	\$	5,226.97
j)	PM Technologies			
1)	Invoice No. 141535	O&M	\$	3,650.00
2)	Invoice No. 143239	O&M	\$	1,245.95
3)	Invoice No. 143240	O&M	\$	1,245.95
4)	Invoice No. 143705	O&M	\$	1,245.95
k)	PMA Consultants Invoice No. 3559.01-5	NESPS	\$	11,590.62

10. Present proposed 2021 meeting dates

11. Other Business

12. Adjourn

Next Regular Meeting: December 16, 2020 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the location and manner of the December meeting has yet to be determined.

November 18, 2020 OMID Board Meeting
Wed, Nov 18, 2020 11:30 AM - 2:00 PM (EST)

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Agenda Item No. 3

Board Meeting Minutes from October 21, 2020

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

October 21, 2020

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held via GoToMeeting on the 21st day of October at 11:30 a.m. Eastern Standard Time.

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, Stephen Downing and Emily Engelman. Representing the office of the Oakland County Water Resources Commissioner: Anne Vaara, Steven Korth, Joel Brown, Sid Lockhart, Brian Coburn, Kelsey Cooke and Megan Koss. Others in attendance: Fritz Klingler, FK Engineering; Shawn Phelps, OC Fiscal Services; Brady Harrington, MDARD; Larry Gilbert and Saju Sachidanandan, NTH Consultants; Sal Saputo, Meadowbrook Insurance Group.

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:35 a.m.

2. Agenda.

It was indicated that a proposed wastewater services assignment from Brian Baker (under "Other Business") and an additional invoice (Walsh Construction invoice no. 220008 Pre-Con 8) were added to the agenda for Board consideration. Shawn Phelps noted that with the addition of the aforementioned invoice, the total amount of invoices to be approved by the Board was now \$316,304.05. Motion by Miller, supported by Nash, to approve the amended October 21, 2020 agenda as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

3. Minutes.

Motion by Nash, supported by Miller, to approve the minutes of the September 16, 2020 meeting.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

4. Public Comment. None.

5. Use of Oakland County Photographer and GLWA drone pilot to take construction photos for the NESPS Pumping and Electrical Upgrades Project.

Mr. Brown stated that, per the Drainage District's contract with Walsh Construction, Walsh was required to obtain 10 professional construction photos per month of the jobsite. The photographs are to demonstrate the progress taken toward the effort at hand. Mr. Brown noted that, of the many options were explored, the most cost-effective option was to utilize the Oakland County photographer and to partner with GLWA for the use of their drone.

Motion by Nash, supported by Miller, to approve the use of an Oakland County photographer and GLWA pilot with drone to take project progress construction photos for a not-to-exceed amount of \$29,300.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

6. Discussion of Project Budget Summary and present for approval the Drainage District entering into a contract with Marra Construction for the NI-EA Rehabilitation Project.

Mr. Brown provided an overview of the project budget summary. He indicated that all the items on the October 21, 2020 agenda were within the project budget.

As to the contract for the NI-EA Rehabilitation Project, Mr. Brown indicated that four bids were received, with Marra Services Inc. coming in at the lowest. NTH reviewed all the bids and believed Marra had the relevant experience and resources to complete the job. Discussion ensued regarding Marra's lack of experience lining systems 72 inches or greater in diameter and their overall ability to handle the project. Both Mr. Klinger and Mr. Sachidanandan spoke to Marra's professionalism and work product with other unrelated projects.

Motion by Nash, supported by Miller, to award the NI-EA Contact No.1 PCI-4 Rehabilitation Project Contract to Marra Services, Inc., permit the OMIDDD Secretary to sign the agreement by December 16, 2020 and issue a Notice to Proceed by January 4, 2020.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

7. Lockout-Tagout procedure discussion.

Mr. Brown provided an update and overview of the current state of the lockout-tagout procedure, noting that liability aspects of the aforementioned need to be addressed in relation to the contractor and METCO. It was also indicated that there was no current operational agreement between the Macomb Interceptor Drain Drainage District and the Drainage District. Mr. Lockhart stated a delay with the Doetsch project the past several months was attributable to the unsettled nature of the lockout-tagout procedure.

Mr. Downing stressed the importance of a mutual effort between the relevant drainage districts in drafting the lockout-tagout procedure memo. Discussion ensued regarding the

prior efforts to draft a memo and concerns of the parties' interests. It was mutually agreed that it was in the best interest of the Drainage District to work together to solidify the relevant procedure and corresponding documents.

8. Present for approval the guaranteed maximum price amendment with Walsh Construction for the NESPS Pumping and Electrical Upgrades Project.

Mr. Brown provided an overview of the NESPS Pumping and Electrical and CS-9 Gate Installation Projects in terms of cost and completion. The Drainage District and Walsh agreed to the following contractual completion dates as recommended by the design team: NESPS Pumping and Electrical Upgrades substantial completion by March 28, 2023 and final completion by June 22, 2023; CS-9 Gate Installation substantial completion by June 22, 2021 and final completion by July 24, 2021.

It was moved by Miller, supported by Nash, to approve the attached Guaranteed Maximum Price Amendment (as attached); authorize the OMIDDD Secretary to execute the Amendment on behalf of the Drainage District for the NESPS Pumping and Electrical Upgrades Project in the amount of \$40,856,627.46 and for the CS-9 Gate Installation Project in the amount of \$3,251,117.72 (resulting in a net increase to Walsh's contract in the amount of \$27,653,150.73); and approve the contractual completion dates as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

9. Engineering Work Orders.

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

METCO Work Order No. D – 424 for Complete Scope of Services Related to Drainage District Operations and Maintenance Operations for an amount not to exceed \$1,934,999.60. Motion by Nash, supported by Miller, to approve the Engineering Work Order as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

NTH Work Order No. D – 425 for Construction Contract Administration Services on the NI-EA Rehabilitation Project for an amount not to exceed \$2,483,415. Motion by Nash, supported by Miller, to approve the Engineering Work Order as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

ASI Work Order No. D – 423 for Construction Contract Administration Services on the NESPS Pumping and Electrical Upgrades Project for an amount not to exceed \$2,443,262. Motion by Miller, supported by Nash, to approve the Engineering Work Order as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

10. Change Order.

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

Change Order No. 2 for CSM Mechanical, LLC for the Omid Flow Control Improvements Project for a net increase in the amount of \$12,296.61. Motion by Nash, supported by Miller, to approve the Change Order as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

11. Construction Pay Estimate.

The following Construction Pay Estimate was submitted to the Board for approval:

Construction Estimate No. 2 for Detroit Elevator Company in the amount of \$78,823.70

Motion by Miller, supported by Nash, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

12. 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:

GREGG: AYE
MILLER: AYE
NASH: AYE

13. Financial Reports.

Shawn Phelps of OC Fiscal Services presented the financial reports for Segments 3 through 5 and the NESPS. Motion by Nash, supported by Miller, to receive and file the financial reports.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
NASH: AYE

14. Invoices.

The following invoices totaling \$316,304.05 were submitted to the Board for approval:

a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs			
1) Labor/Fringes/Non-Direct Labor Factor			
	• Segment 4 NESPS Odor Corrosion Study	\$	22,032.24
	• Segment 4 NESPS Gatehouse	\$	194.30
2) Equipment Charges			
	• Segment 4 NESPS Odor Corrosion Study	\$	2,812.46
	• Segment 4 NESPS Gatehouse	\$	7.48
b) Applied Science, Inc.			
	Invoice No. 20	NESPS M&E	\$ 48,207.33
c) CH2M			
	Invoice No. 705773CH020	Seg. 4	\$ 32,385.97
d) Clark Hill			
	1) Invoice No. 1018323	O&M	\$ 2,997.00
	2) Invoice No. 1019309	O&M	\$ 1,107.00
e) CSM Mechanical			
	1) Invoice No. 200MIDD002	O&M	\$ 1,310.00
	2) Invoice No. 200MIDD003	O&M	\$ 3,540.94
	3) Invoice No. 200MIDD004	O&M	\$ 389.70
	4) Invoice No. 200MIDD007	O&M	\$ 7,500.59
	5) Invoice No. 200MIDD010	O&M	\$ 4,155.15
f) Detroit Elevator Company			
	Invoice No.188128	O&M	\$ 182.00
g) Dickinson Wright			
	Invoice No. 1512133	O&M	\$ 1,155.00
h) Inland Lakes			
	1) Invoice No. 24627	O&M	\$ 1,625.00
	2) Invoice No. 24628	O&M	\$ 1,125.00
i) Jacobs			
	Invoice No. 697317CH025	O&M	\$ 19,230.12
j) Kennedy Industries			
	Invoice No. 618284	O&M	\$ 748.00
k) Motor City Electric Technologies Inc.			
	1) Invoice No. 93245	O&M	\$ 654.50
	2) Invoice No. 93246	O&M	\$ 192.50
l) NTH Consultants, Ltd			
	1) Safety Manual and Crane Support Eval.		
	Invoice No. 4	O&M	\$ 5,328.33
	2) CS9 – Hydraulic Control Gate		
	Invoice No. 6	NI-EA	\$ 8,767.44
	3) NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4		

	Invoice No. 16	NI-EA	\$	52,257.86
4)	Repairs – OMID System Immediate Repairs			
	Invoice No. 20	OIR	\$	139.51
5)	NESPS CCA and Construction Observation			
	Invoice No. 53	Seg. 4	\$	1,342.95
m)	PM Technologies			
	1) Invoice No. 143106	O&M	\$	1,699.84
	2) Invoice No. 143242	O&M	\$	776.25
n)	PMA Consultants			
	Invoice No. 3559.01-4	NESPS	\$	7,469.52
o)	Rotor Electric Co.			
	1) Invoice No. 12329	O&M	\$	665.00
	2) Invoice No. 12354	O&M	\$	1,178.70
	3) Invoice No. 12355	O&M	\$	712.00
	4) Invoice No. 12357	O&M	\$	1,197.00
	5) Invoice No. 12359	O&M	\$	3,499.32
	6) Invoice No. 12360	O&M	\$	4,343.97
	7) Invoice No. 12361	O&M	\$	2,666.48
	8) Invoice No. 12362	O&M	\$	2,326.47
	9) Invoice No. 12364	O&M	\$	1,910.00
	10) Invoice No. 12365	O&M	\$	1,460.00
p)	Walsh Construction Company			
	Invoice No. 220008 Pre-Con 8	O&M	\$	67,011.13

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

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

15. Other Business.

Mr. Baker presented for consideration a wastewater services assignment between Macomb County, the Macomb Interceptor Drain Drainage District and the Drainage District. Motion by Nash, supported by Miller, to approve the wastewater services agreement as presented and authorize the Chairperson to execute the agreement on behalf of the Drainage District.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

16. Adjourn.

Motion by Nash, supported by Miller, to adjourn the October 21, 2020 meeting at 2:07 p.m.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

NASH: AYE

Next Regular Meeting: November 18, 2020 at 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the November meeting will be held virtually via GoToMeeting.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage Board, at a meeting held on October 21, 2020 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 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 12th day of November, 2020.



Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Change Order

CHANGE ORDER NO. NINE
Oakland Macomb Interceptor Drain, Drainage District (OMIDDD)
 For Construction of the Odor/ Corrosion Control Facility Project,
 Northeast Sewage Pumping Station (NESPS)

Located in the City of Detroit, Wayne County, Michigan

Authorization for:

CONTRACTOR: CSM Mechanical, LLC

- 1.) Inspection/ Permit Fee, Balancing Adjustment; 2.) Wet Well Crane Electrical Allowance, Balancing Adjustment;
- 3.) Loading Flow Control Equipment into Storage Rack,
- 4.) Removal of Underground Storage Tank, Balancing Adjustment, 5.) Furnishing and installation of a 3" dia. Ball Valve in the BioTrickling water supply line.

Address: 7400 Hickory Valley Drive
Fenton, MI 48430

Change Order No.: 9 Date: November 3, 2020

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
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9-1	<u>LOCATION:</u> <i>Northeast Sewage Pumping Station (NESPS), located in the City of Detroit, Wayne County, Michigan</i>	LS	1 ea.	- \$9,182.60	-0-	\$9,182.60
	<u>DESCRIPTION: (Change/ Deduct):</u> Credit unused allowance value for Bid Item # 4; Permit/ Inspection Fee Allowance. <u>REASON:</u> The final charges for Permit/ Inspection Fees were less than the Bid Item value. Bid Item # 4: \$40,0000.00 Total Charges: -30,817.40 Credit Value: \$ 9,182.60					

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 9

9-2	<p><u>DESCRIPTION: (Change/ Deduct):</u></p> <p>Credit unused allowance value for "Miscellaneous Electrical Work" included in Change Order # 7, C.O. Item 7-4.</p> <p><u>REASON:</u></p> <p>The installation of the new Wet Well 4 Ton crane did not require the contingent electrical work included under this allowance</p>	LS	1 ea.	- \$1,050.00	-0-	\$1,050.00
9-3	<p><u>DESCRIPTION: (Change/ Add):</u></p> <p>Furnish labor and equipment to organize the existing inventory of flow control equipment and load into newly fabricated structural steel storage rack.</p> <p><u>REASON:</u></p> <p>This task provided for the orderly assembly of existing flow control equipment (Wet Well bulkhead plates, tunnel segmental bulkheads, and related materials) into the NESPS storage rack for future accessibility.</p> <p>Equipment Rental: \$2,996.00 Labor Charges: <u>554.24</u> Sub-Total: 3,550.24 15% <i>markup</i> <u>532.54</u> Total: \$4,082.78</p> <p>Attachment: CSM Mechanical Cost Summary of 11/22/20</p>	LS	1 ea.	\$4,082.78	\$4,082.78	-0-

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 9

9-4	<p><u>DESCRIPTION (Change/ Delete)</u></p> <p>Credit the unused allowance value for draining and disposal of furnace heating oil located in an abandoned underground storage tank (Note: Tank to be removed in the future under separate Contract).</p> <p><u>REASON:</u></p> <p>Change Order No. 3, Item 3-2 provided compensation for the draining of an existing oil tank and included a contingency allowance for unanticipated additional tasks. The work was ultimately completed within the budget value.</p> <table><tr><td>C.O. Item 3-2</td><td>\$8,800.00 (NTE)</td></tr><tr><td>Final Charges</td><td><u>7,978.29</u></td></tr><tr><td>Credit Value</td><td>\$ 821.71</td></tr></table>	C.O. Item 3-2	\$8,800.00 (NTE)	Final Charges	<u>7,978.29</u>	Credit Value	\$ 821.71	LS	1 ea.	-\$ 821.71	-0-	\$ 821.71
C.O. Item 3-2	\$8,800.00 (NTE)											
Final Charges	<u>7,978.29</u>											
Credit Value	\$ 821.71											
9-5	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Furnish and install a 3" dia. CPVC Ball Valve in the BioFilter Non-Potable Water Irrigation piping above the Distribution Water Panel.</p> <p><u>REASON:</u></p> <p>The addition of this valve provides for as-needed isolation between the BioTrickling Filter vessel and the water control panel.</p> <p>Attachment: CSM Mechanical Work Summary of 10/19/20</p> <p>*****</p>	LS	1 ea.	\$ 858.37	\$ 858.37	-0-						

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 9

					Amount Increase	Amount Decrease
					Totals	
					\$4,941.15	\$11,054.31
					Net Changes (Deduct)	
					-0-	\$ 6,113.16

END OF CHANGE ORDER NO. NINE ITEMIZED DESCRIPTIONS

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 9

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

Date: 11-10-20

Recommended By:
Jason Matteo, P.E.
Project Manager, Jacobs

Date:

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

Date:

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

Date:

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

Date:

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

Date:

All of Contractor'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 Contractor agrees to do the work described above and agrees to accept Contract time adjustments in full on the basis indicated.

Accepted by:



Date

11-10-20

Title

of:

CSM Mechanical, LLC

The Contractor 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. 9 was approved by the Drainage Board on: Date:

Agenda Item No. 6

Construction Estimates

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the Odor / Corrosion Control System- Northeast Sewage Pumping Station
Located in the City of Detroit, Wayne County, Michigan
Project ID 100000002708

Regular Construction Estimate No. Fourteen
Nov. 4, 2020

September 01, 2020 through October 31, 2020

Department No.: 6010101
Fund No.: 84915
Project No.: 295117

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

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

Contract No. # 5777

Date of Contract: July 3, 2019
Final Completion Date: September 27, 2020
Adjusted by C.O. 5 to: August 28, 2020

Original Contract Amount:		\$3,783,390.00
Previous Change Orders:	C.O.#1, 2, 3, 4, 5, 6, 7, 8	\$415,409.90
Change Orders This Estimate:	None	\$0.00
Total Net Change Orders:		\$415,409.90
Adjusted Contract Amount:		\$4,198,799.90 ✓
Sub-Total To Date:		\$4,163,562.02
Less Deductions:		None
Gross Estimate: (Work in Place)	99.2% Complete	\$4,163,562.02
Less Amount Reserved (LS = \$138,821.18)		\$138,821.18
Total Amount Allowed To Date:		\$4,024,740.84
Less Previous Estimates:		\$4,006,078.88
Net Payment Request To Be Paid To Contractor:		\$18,661.96 ✓
Reserve Payment to Contractor:		\$0.00
Balance to Finish: \$ 35237.88 ✓	Accounting Auditor: <i>gls</i>	11/4/20
Amount To Be Reserved (From Above)		\$138,821.18
Less Previous Transfers To Reserve:		\$138,821.18 ✓
Amount of Current Transfer		\$0.00

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

Date: *11-04-20*

Recommended by:
Jason Matteo, P.E.; Jacobs

Date: _____

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

Date: _____

Recommended by: _____
Stephen Downing; Macomb County OPWC

Date: _____

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

Date: _____

Regular Construction Estimate No. Fourteen

Approved By Board On: _____

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

Regular Construction Estimate No. One

Sept. 01, 2020 through October 31, 2020

Department No.:	xxxxxx	Account No.:	xxxxxx
Fund No.:	xxxxxx	Program No.:	xxxxxx
Project No.:	xxxxxx	Activity:	xxxxxx

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

Date of Contract: Dec. 16, 2019
Final Completion Date: July 28, 2023

Contract No. # xxxx

Original Contract Amount: (Pump & Elec. Upgrades + CS-9)	\$42,863,185.19
Previous Change Orders:	\$0.00
Change Orders This Estimate:	\$0.00
Total Net Change Orders:	\$0.00
Adjusted Contract Amount:	\$42,863,185.19
Sub-Total To Date: (No CS-9 Charges on this Estimate)	\$651,165.68
Less Deductions:	None
Gross Estimate: (Work in Place) 1.52 % Complete	\$651,165.68
Less Amount Reserved (10%)	\$65,116.57
Total Amount Allowed To Date:	\$586,049.11
Less Previous Estimates:	\$0.00
Net Payment Request To Be Paid To Contractor:	\$586,049.11
Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$42,212,019.51	Accounting Auditor:
Amount To Be Reserved (From Above)	\$65,116.57
Less Previous Transfers To Reserve:	\$0.00
Amount of Current Transfer	\$65,116.57

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

Date: _____

Recommended by: _____
John Michalski, P.E., ASI

Date: _____

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

Date: _____

Recommended by: _____
Stephen Downing; Macomb County OPWC

Date: _____

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

Date: _____

Regular Construction Estimate No. One

Approved By Board On: _____

**OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT
OMIDDD NESPS Dry Well Elevator Modernization
Detroit, Wayne County, Michigan**

Regular Construction Estimate No. 3

October 1, 2020 to October 31, 2020

Department No.: 61010101
Fund No.: 82912
Project No.: 1-3018

Account No.: 731472
Program No.: 149667
Activity: STD

Contractor:
Detroit Elevator Co.
2121 Burdette
Ferndale, MI 48220

Account No.: 6076
Date of Contract: August 1, 2019
Completion Date: N/A
Extended to: N/A

Original Contract Amount: \$262,838.00

Previous Change Orders: \$0.00
Numbers: (none)

Change Orders This Estimate: \$0.00
Numbers: (none)

Total Net Change Orders: \$0.00

Adjusted Contract Amount: \$262,838.00

Sub-Total To Date: (Sheet 3 of 3 Column 7) \$257,672.50

Less Deductions: (Sheet 3 of 3 Column 7) \$0.00

Gross Estimate: (Work in Place) 98.03% \$257,672.50

Less Amount Reserved: (10% of 1/2 Adjusted Contract Amount) \$13,141.90

Total Amount Allowed To Date: \$244,530.60

Less Previous Estimates: \$233,662.30

Net Payment Request To Be Paid To Contractor: \$10,868.30

Reserve Payment to Contractor \$0.00

Balance of Contract To Date \$ 5,165.50 Accounting Auditor:

Amount To Be Reserved (From Above) \$13,141.90

Less Previous Transfers To Reserve: \$13,141.90

Amount of Current Transfer: \$0.00

Prepared by: Joel Brown
Joel Brown, P.E. - OCWRC Assistant Chief Engineer

Date: 11/13/20

Recommended by: Terry Moore
Terry Moore, METCO- Consulting Engineer

Date: _____

Approved by: Stephen Downing
Stephen Downing - Construction and Maintenance Manager, MCPWO

Date: _____

Approved For Payment: Sid Lockhart
Sid Lockhart, P.E. - Special Projects Manager, OCWRC

Date: _____

Regular Construction Estimate No. 3

Approved By Board On: _____

Agenda Item No. 7

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

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

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

November 18, 2020 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (November 9, 2020) for the work completed for the Oakland-Macomb Interceptor Drain Repair Program (SRF Segments 1-4; Contract 7 PCI-4 repairs; Maintenance Repairs in PCI-5 through PCI-11A; Control Structure Modifications; NIEA Repairs; NESPS Upgrades; Odor/ Corrosion Control System, and other related work):

SRF Segment 1 Status:

Contracts 1&2 – Complete

System-wide Odor/Corrosion Study (No Contract Number) – Ongoing:

Engineering Consultant: Jacobs Engineering

Project Budget Summary (including EWO No. 2):

- | | |
|--|--------------|
| • Adjusted Project Budget (including Fan Testing Allowance of \$60,000): | \$531,447.00 |
| • Total Spent (through Oct. 2020): | \$495,884.40 |
| • Remaining Budget (through Oct. 2020): | \$35,562.60 |

Milestone Schedule Summary:

- Submitted draft report in January 2020.
- Completed additional analyses and other work elements requested in EWO No. 2.
- Finalizing study report, including additional requested analyses; see below, pending findings at ST-S-3 metering site.

Status of Major Project Tasks:

- Finalized WATS state-of-the-art sewer process model to reflect future lining and flow control operating conditions, including storage/release sequences for selected OMID repair reaches.
- Finalized the conceptual design of permanent vapor-phase and possible temporary liquid-phase odor/corrosion control alternatives.
- Finalized conceptual layouts of several mitigation facilities.
- Updated study report; however, awaiting results from separate fan test at ST-S-3 prior to finalizing this study report

November 18, 2020 OMIDDD Board Meeting

SRF Segment 2 Status:

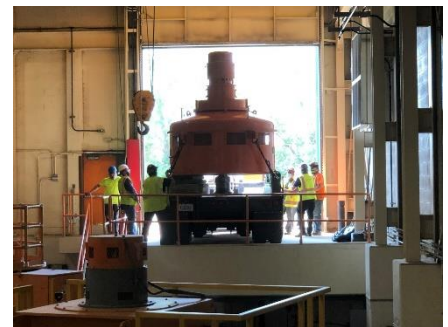
Contract 3 (Base Contract) – Complete, Closeout Pending

Construction Amt Invoiced: \$18,011,426.41, as adjusted by C.O. 11.
Schedule Status: Complete July 31, 2014; Overall Contract closeout will be combined with closeout for NESPS Discharge Chamber Emergency Repairs (CO 2-E, et al).

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

Construction Amt Invoiced: \$5,151,543.52 Invoiced to date including Change Order 2E through 2J.
Schedule Status: Substantially Complete on 11/25/17, with additional Gatehouse lining work performed under Change Order 2-I and completed on March 31, 2019.

East side Tnemec repairs are complete; west side repairs remain delayed as a result of Pump 1 damage incurred in January 2020 during testing. The pump is now repaired and operating normally. The Tnemec Repairs continue to be on hold, however, pending availability of Flow Control measures for gatehouse isolation and Contractor manpower and equipment. The Segment 2, Contract 3 (Base Contract and Emergency Gatehouse Repairs) remains open pending completion of these repairs.



Delivery of Repaired Pump No.1 to the site.

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

November 18, 2020 OMIDDD Board Meeting

NESPS Odor/Corrosion Mitigation Sys (No Segment or Contract No.)

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

Prime Construction Contractor: CSM Mechanical, LLC

Project Budget Summary:

- BioAir Solutions, LLC for Bio-Trickling Filter (BTF) Fabrication: \$816,570.00
- CSM Mechanical, LLC (Original Contract Value): \$3,783,390.00
- CSM Mechanical, LLC (Adjusted Contract Value w/ CO No. 1 through CO No. 8): \$4,198,799.90
- CSM Total Earned, Less Retainage, through 8/31/2020 (Pay App No.14): \$4,024,740.84
(99.2% Complete)
- No Pay Application Submitted for September or October 2020
- CSM Balance to Finish w/ Retainage (PA No. 14, work through 10/31/2020): \$179,054.06
- Jacobs Budget (Design and CA/RPR, per EWO No. 3): \$1,272,470.46
- Remaining Jacobs Budget (through Oct. 2020): \$142,744.74

Milestone Schedule Summary:

- Notice-to-Proceed letter to CSM dated August 1, 2019.
- Installation of the Bio Trickling Filter (BTF) at NESPS: Interim Substantial Completion, per Contract Amendment, was April 18, 2020, with Final Completion of August 28, 2020. The actual Final Completion date will be delayed due to COVID-19 issues (travel restrictions, etc.) and the addition of extra work items commencing late in the project but is expected to be complete by end of November 2020.
- BTF Acclimation, Start-up and Testing: Currently completed with the facility in normal operating mode.
- HVAC Improvements: Substantial Completion was June 28, 2020; now nearing final completion, less minor punch list issues.

Status of Major Project Tasks:

- All major work is complete including the installation of the biotrickling filter (BTF), odor control fans, odorous air ducting, electrical and controls wiring installation, wet well crane painting, all HVAC components, and related components for all these items have been completed. The system is performing as anticipated. Requested extra work and punch list items remain outstanding related to the biotrickling filter and were completed during the first week of November 2020.
- The addition of a partial crane roof shelter has been completed. Cleaning and painting of the wet well hatch covers will occur in the immediate future under favorable weather conditions.
- Final adjusting activities remain for air balancing of the wet well HVAC system, which are expected to be completed in early November 2020.
- All dry well HVAC components have been installed including power and controls and are now operational. HVAC control system components including the master control panel, gas detection panel, and associated strobes, beacons, instruments, and devices have arrived on site and all have been installed. These components have been integrated into one fully functioning HVAC control system (including SCADA) and final startup and commissioning is complete; however, final adjustments remain to complete system air balancing inside the dry well and confirm fully acceptable operation.

November 18, 2020 OMIDDD Board Meeting

- Site grading for the BTF pad and adjacent areas have been completed; grade has been set and hydroseeding has been completed and turf growth established, with final adjustments to take place during punch list activities. Final aggregate base and concrete paving work will be deleted from the odor/corrosion control project and added to the upcoming pump and electrical rehabilitation project. Fall re-seeding of the vegetated areas surrounding the BioFilter equipment pad has taken place to ensure full turf establishment in Spring 2021.



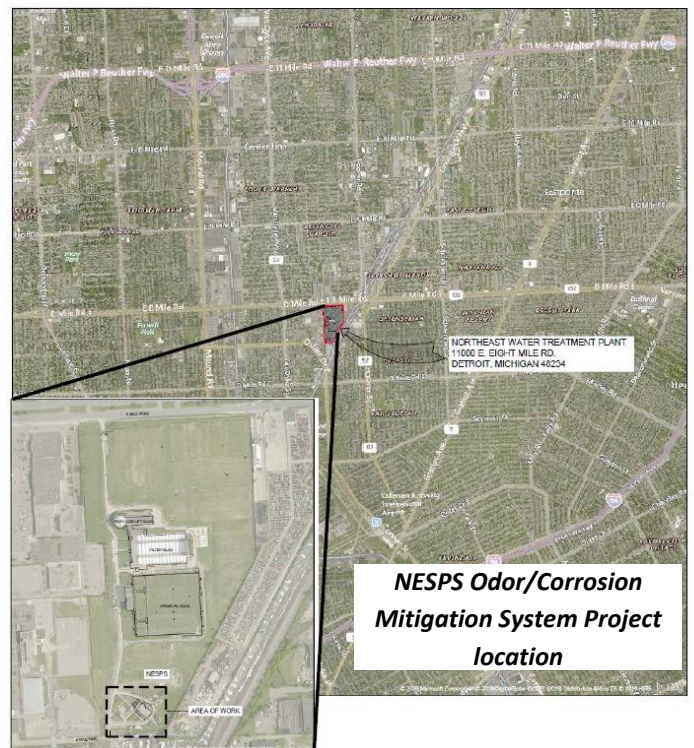
Biotrickling filter in full operational mode



Finish coating and replacement of 4-Ton crane above the wet well.



New Equipment Rack Fabricated and Delivered to NESPS site



November 18, 2020 OMIDDD Board Meeting

NESPS & OMID Maintenance & Repairs Status:

Amt Invoiced: \$140,481 thru October out of current \$353,000 ASI engineering budget; Does not include Metco budget for ongoing flow control, maintenance, and coordination.

Schedule Status: Ongoing

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

- Drawings for modifications to accommodate upstream emergency pumping are complete; contractor selected, start of work pending.
- Plan to energize OMID Pump 4 in event of total power loss is complete; A demonstration of the portable generator was completed previously and start of work is pending.
- Advanced emergency plan document to include pumping details and traffic control from pump out locations has been reviewed by technical team; awaiting completion of manhole and electrical modifications to finalize the document.

Additional work being performed under Metco Maintenance Contract for NESPS:

- Mechanical and Electrical corrective/preventative maintenance schedules continue to proceed without problem. Shutdown coordination with GLWA Operations for such tasks is working well.
- Monthly Maintenance Contractor meeting held. General maintenance topics discussed.
- Working with GLWA Systems Control to develop a more balanced approach to Sanitary Pump run time.
- Coordination between GLWA, MIDDD, NESPS Odor/Corrosion Control Project (Bio Filter) has not affected station operations nor hindered performance or abilities to meet demands.

Overall Station Performance Report:

- Sanitary Pumps #1, #2, #4, and #6 ready for duty. (640 CFS Capacity).
- Sanitary Pump #5 Motor exciter repaired, installed, and tested in a well-coordinated effort involving GLWA and MCE. Pump #5 ready for duty. The damaged exciter is to be refurbished and placed in stock inventory.
- Service Elevator rehabilitation has been completed, with final inspection pending.
- 25 ton Indoor Crane Bi-Annual inspections completed. Report on file. The crane is currently out of service (hoist inoperable) due to IO board failure. Repair is scheduled for the week of November 9, 2020. A meeting was held October 25, 2020 with Kone Crane and OMID due to repeated hoist outages. It was determined that age is likely a factor and that a complete electrical modification would restore long term operability. An inspection/ investigation scheduled and a proposal on an electrical/structural overhaul is anticipated. Additionally, the contractor was asked to propose cost for new indoor crane.

November 18, 2020 OMIDDD Board Meeting

- Failed wet-well isolation knife gates have been removed and replaced. Dewatering unit has been removed and taken off site for repair. This equipment is expected to be returned to service on December 1, 2020.
- Ragging (barscreens) and sediment accumulations have been identified as an operational issue and discussed with the OMID team. Last cleaning 2018. Wet well cleaning proposal in review.
- Stand-by Generator Programmable Logic Controller (PLC) rehabilitation is progressing. Baseline testing has been completed and hardware received. Start date scheduled for December 1, 2020
- Stand-by Generator Diesel Tank and Fuel Line rehab project is underway as of October 14, 2020. Tank exterior restorations are complete (primer/paint, new placards, etc.) Fuel line modifications are scheduled for completion November 9, 2020. Final overall completion date is set for November 20, 2020.
- PH and H₂S levels at BioFilter are monitored and recorded daily. PH feedback is indicative of an active Bio removal rate per Bio Air. Readings are reported to Bio-Air regularly and a follow-up visit by Bio Air representative is currently being planned. No odor complaints have been received since October 8, 2020.
- Debris (ragging) starting to impact flow through the bar-screens. De-ragging operations took place Sept 21st and Oct 7th. More work is needed to complete the cleaning operation
- The motor operator for the State Fair entrance gate has been replaced due to end of life conditions of existing gate.
- Knox Box emergency entry safety equipment has been received and is ready to be installed (Detroit Fire Department approved and regulated).
- NEXGEN asset management project continues without issues. Asset inventory and data collection continues without issues.
- Overall general housekeeping tasks are in order.
- Overall groundskeeping tasks are also in order.

OMID Control Structure Upgrades Status:

Amt Invoiced: \$61,687 Engineering services to date; Total design and construction budget currently established as \$500,000 (including contingencies and admin/legal).

Schedule Status: Construction substantially complete 8/14/20

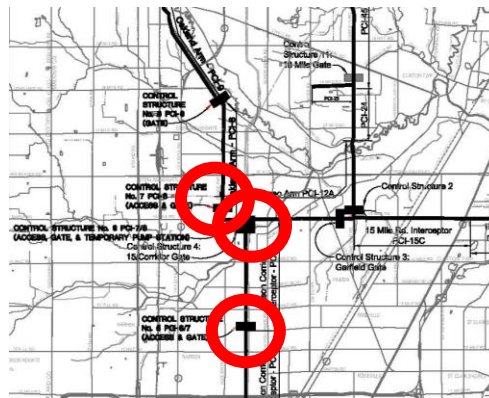
- Hatch and Access improvements complete, including punch list items. As-built drawings for controls structure access improvements have been completed. Contract close-out is pending resolution of final inspection issues.
- CS-5 mechanical repairs have been completed and control structure is in stand-by mode, ready for service.
- CS-6 mechanical repairs have been completed and control structure is in stand-by mode, ready for service.

November 18, 2020 OMIDDD Board Meeting

- CS-7 mechanical improvements have been completed and control structure is in stand-by mode, ready for service.
- CS-8 is in stand-by mode and ready for service. Critical spare parts and long lead items are a subject of attention. HESCO has developed an inventory list.
- There are currently no issues with system-wide communications after recent MCE upgrades and PLC implementation.
- Verification of the new gate-release logic will be conducted by ASI after several storage events are conducted. ASI will provide the confirmation.

The line item schedule and budgets are summarized:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractors)	Estimated Delivery Date
1	Draft PLC Mods by Metco, MCE, ASI			5/8/2019
2	Field Investigations (roof measurements, etc.)		TBD	5/30/2019
3	CS level sensors design (Metco)		TBD	7/29/2019
4	Comm. System Improvements (Metco)		TBD	8/31/2019
3	Test and implement			4/1/2020
4	50% Design Package			6/20/2019
5	95%, 100% Design Package			9/9/2019
6	Receive Bid(s) for cover mods			11/10/2019
7	Contract Award and NTP for cover mods			12/10/2019
8	Subtotal – Design	TBD		
9	PCI-5 Gate Repairs and final install of level sensors	TBD	TBD	3/31/2020
10	Substantial Completion of Hatch Construction	TBD	TBD	8/15/2020
11	Final Testing and Approval of PLC Mods	TBD	TBD	TBD
12	Final Completion of Construction	\$61,687 (ASI/FKE)	\$400,000 (est.)	TBD



OMID Control Structures Upgrade Project Locations (in red)

November 18, 2020 OMIDDD Board Meeting

OMID System Immediate Repairs Status:

Amt Invoiced:

\$58,703 out of original total design budget of \$21,418; Total design and construction budget currently is established as \$1,352,801 (including contingencies and admin/legal).

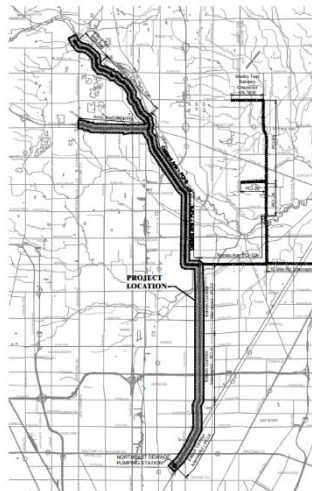
Schedule Status:

Second round of bids were received on 11/6/19; awarded 11/20/19.

- Doestch Environmental was awarded the contract at the November 2019 Board Meeting.
- Field work is pending work crew availability, and completion of emergency grouting in PCI-12A. The revised start date is now expected for Mid-November 2020.
- The current **draft** line item schedule and budget for the OMID System Immediate Repair Project are summarized below:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
1	Field Investigations (Conducted under Warranty Repairs budget)	Part of AMP Project		10/01/2018
2	50% Design Package			4/16/2019
3	95%, 100% Design Package			5/20/2019
4	Issued for Bid/Pricing			7/17/2019
5	Bid Opening (Original)			8/07/2019
6	Revised 100% Design Package			9/20/19
7	Issued for Bid/Pricing			10/8/19
8	Bid Opening (Revised)			11/6/19
6	Contract Award and NTP			1/1/20
	Subtotal - Design	\$21,418		
7	Final Completion of Construction	\$66,122	\$1,352,801	6/5/20 (initial; actual TBD)

OMID Immediate Repairs Project Location



November 18, 2020 OMIDDD Board Meeting

NIEA Repairs (Study and Design/Construction)

Amt Invoiced: \$1,670,546 out of currently projected study/design budget of \$2,400,570; Total design and construction budget currently is \$44,168,770 (including contingencies and admin/legal).

Schedule Status: Bids were received for PCI-4 rehabilitation project; additional field work and investigations are underway for PCI-18 & 19 rehabilitation project. Liner study is 100% complete; PCI-4 design 100% complete; PCI-18 & 19 design approximately 68% complete.

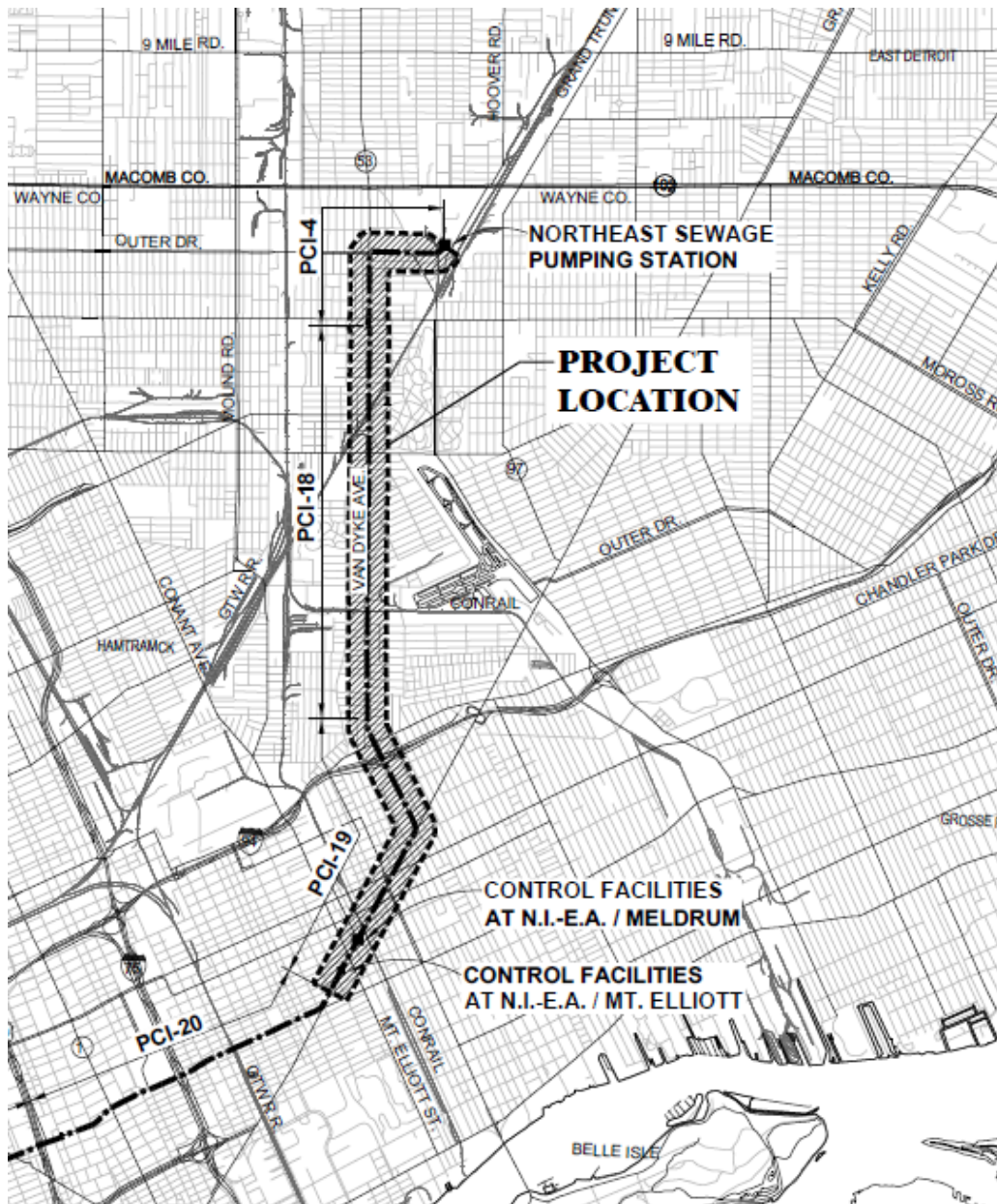
- PCI-4 rehabilitation (NIEA Contract 1) project bids were received, conducted post-interview meeting with Marra Services, Inc., and Marra was awarded contract at October OMIDDD Board meeting for \$14,732,510. Coordination is ongoing for a NTP in Jan of 2021.
- Coordination meetings and discussions are ongoing between OMIDDD and GLWA regarding cost sharing of rehabilitation of common to all portions of the NI-EA and new control structures, easement agreement to use NESPS site for contractor laydown during PCI-4 rehabilitation, and other miscellaneous design coordination efforts. GLWA is supportive of the general approach for the project.
- 90% design for PCI-18/19 rehabilitation project is underway. Currently finalizing the concept for 7 Mile adit gate structure.

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

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
1	Lining Study Evaluations & Draft Report			6/15/2019
2	Lining Study Final Report			10/30/2019
	Subtotal - Study	\$126,744		
3	Field Investigations (MASW, SUE, Survey, Geotech, Env. Inv)			10/30/19
4	Basis of Design Draft			9/30/2019
5	50% Design Package			8/30/2019
6	90%, 100% Design Package			3/20/2020 and 4/28/2020
7	MDEQ Submittal (Part 41)			4/28/2020*
8	Issued for Bid			6/10/2020*
9	Bid Opening			9/30/2020*
10	Contract Award and NTP		\$14,732,510 (C1) TBD (C2)	12/16/2020 and 1/04/2021*
	Subtotal - Design	\$2,400,570		
11	Final Completion of Construction – PCI-4 Rehab	\$3,500,000	\$35,000,000	07/23/2022*

*These tentative dates are for PCI-4 Rehabilitation Project; PCI-18/19 Rehabilitation is TBD.

November 18, 2020 OMIDDD Board Meeting



NI-EA OMID Contracts 1 & 2 Project Location

November 18, 2020 OMIDDD Board Meeting

NESPS Electrical and Mechanical Upgrades Project

Budget Status: \$1,319,213 out of current design budget of \$1,382,430;
\$106,406 out of the current CCA Budget of \$2,443,262.
Total design and construction budget currently established as
\$43,299,889 (including contingencies and admin/legal).

Schedule Status: Engineering/Design efforts approximately 99% complete;
procurement packages being bid and GMP established.

The following work is active:

Design Effort

- A review of alternative energy saving methods and pump sequence remains ongoing. On-going coordination with GLWA is occurring to evaluate the phase over to the new pumping units.
- Drawing and Specifications for 100% design are complete. The CMAR (Walsh Construction) and OMID consultants and staff produced Bid packages for the remaining work, which is mostly awarded to the various contractors. Walsh has developed a guaranteed maximum price (GMP) of \$43,299,889.
- The Design team and Walsh are working together to develop a sequence of construction, man power loaded schedule, and design package arrangement. The schedule will be driven from this sequence.
- The design team is assisting the CMAR in preparation of the City of Detroit complete building permit protocols.

Construction Services

- Construction Phase services (RFI's, Submittals) have commenced, and the engineering team is reviewing and responding.
- Received Part 41 permit from EGLE on the construction of the new pumping units and electrical system.
- Conducted further site visits to inspect the existing conditions to assess construction coordination.
- Walsh team working on an updated cost-loaded construction schedule
- Construction Manager now fully mobilized onsite.
- Work has commenced on the foundation excavation for the proposed Electrical building, including installation of the temporary earth retaining structures (TERS).
- The **draft** line item schedule and budget are summarized:

November 18, 2020 OMIDDD Board Meeting

Work Item/ Milestone		Estimated Budget	Estimated Budget	Estimated Delivery Date
1	Draft Basis of Design			5/3/2019
2	Final Basis of Design			5/31/2019
3	30% Design			8/27/2019
	CMAR RFP			10/16/2019
4	60% Design			12/19/2019
	CMAR Recommendation			11/20/2019
5a	90% Equipment Package			6/15/2020
	Suction Gate Rehab			5/15/2020
	Site Plan/Foundation			5/15/2020 (est)
	Pumping Units			5/20/2020
	Major Electrical			5/20/2020
7	MDEQ Submittal (Part 41 Permit)			4/8/2020 (initial pkg)
8	90% Design Submittal			6/30/20
9	Final Package Development			8/14/2020
	Subtotal - Design	\$1,519,275 (including		
10	Substantial Completion	\$2,500,000 (est.)	\$43,300,000 (est.)	3/1/2023
11	Final Completion			7/1/2023



NESPS Refurbishment Project Location

November 18, 2020 OMIDDD Board Meeting

CS-9 Gate Installation

Budget Status:

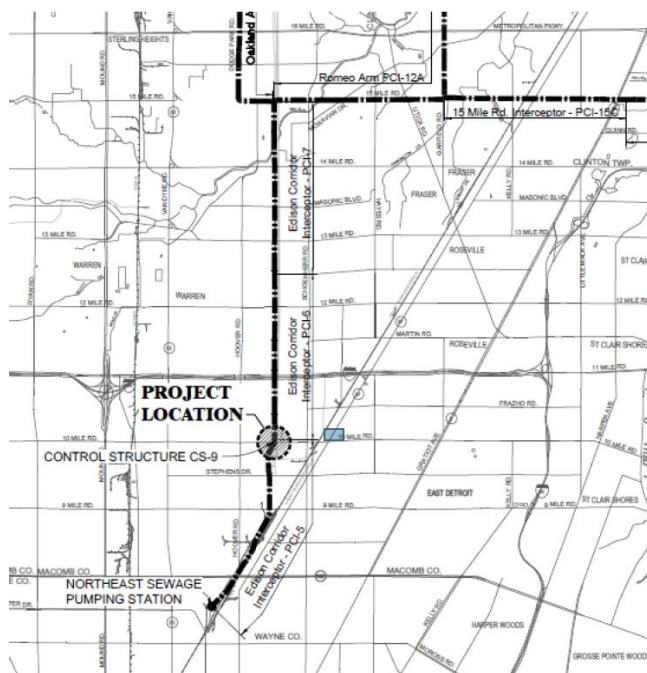
Total design and construction budget currently established as approximately \$3.2M (including contingencies and admin/legal).

Schedule Status:

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

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

- Bids have been received from two contractors for the procurement of gate and actuator packages. Hydrogate has been selected as the gate manufacturer.
- Remaining bid packages received on 9/17/2020; successful bidders selected and work being awarded. GMP efforts were conducted and work to progress shortly.



CS-9 Gate Installation Project Location

Other

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

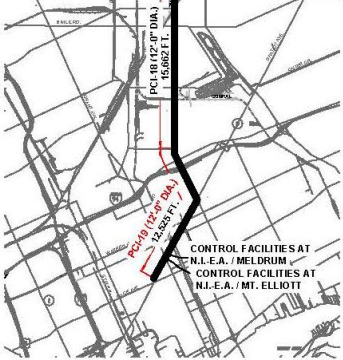
November 18, 2020 OMIDDD Board Meeting

Summary of OMID Design and Construction Status:

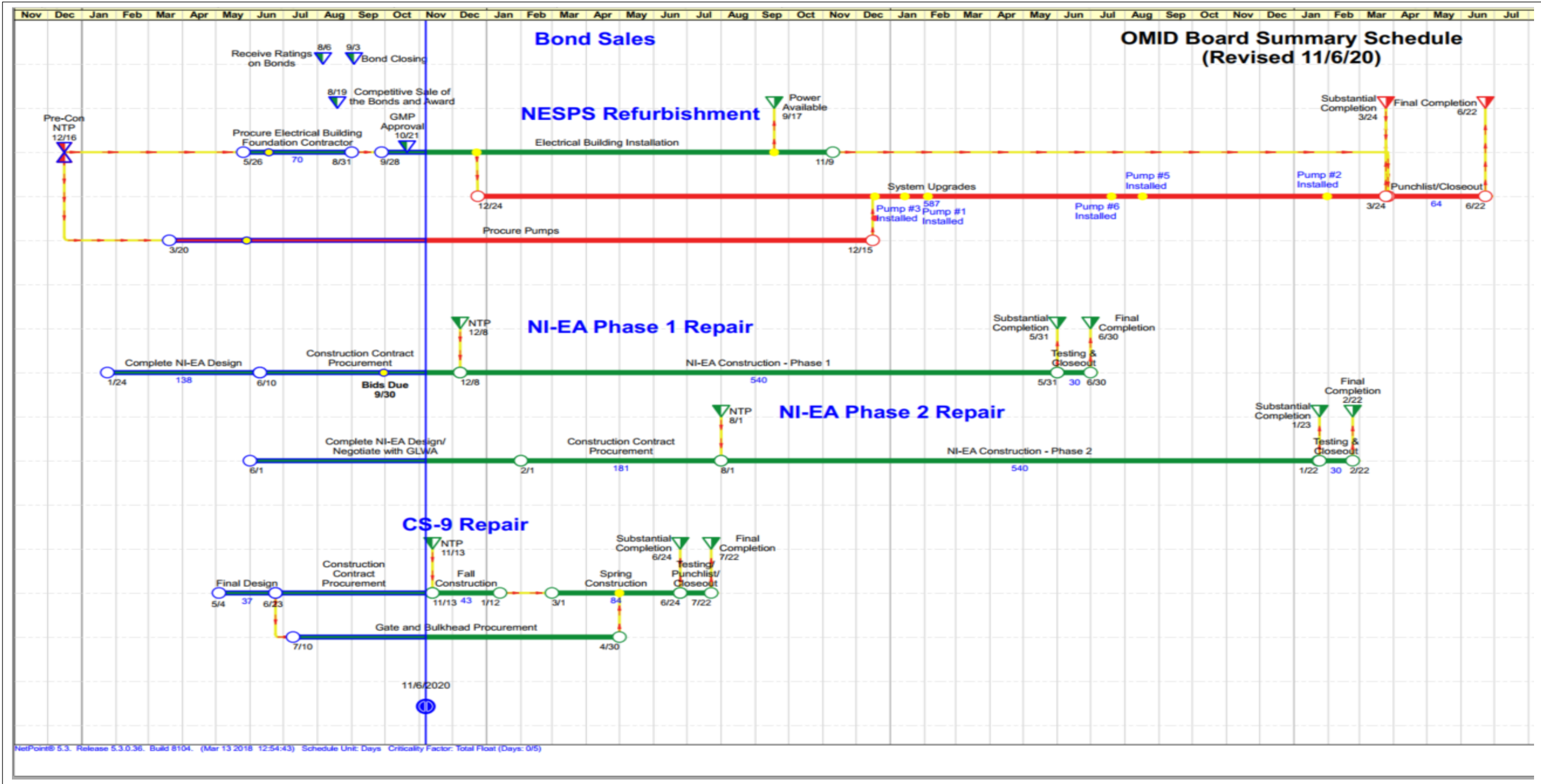
Work In Construction Since 2009							
Seg. No	Contract No. (Description)	Contractor	Const. Comp?	As-Builts Final?	Balancing Change Order?	Contractor Closed Out?	Easements Settled?
1	Contract 1 (CS-9, 5, 3)	Ric-Man	Y	Y	Y	Y	Y
1	Contract 2 (CS-6, 7, 8)	Ric-Man	Y	Y	Y	Y	Y
2	Contract 3 (Gatehouse)	IWPC (Weiss)	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	N	N	N	N	N/A
N/A	Control Structure Modifications	CSM/Hesco/MCE	Y/Y/N	Y/Y/N	N	N	N/A
N/A	OMID Maintenance Repairs	Doetsch	N	N	N	N	N/A
N/A	CS-9 Gate Modifications	Walsh as CMR	N	N	N	N	N
N/A	NESPS Redesign	Walsh as CMR	N	N	N	N	N
N/A	NIEA-OMIDDD Contract 1 (PCI-4)	Marra	N	N	N	N	N

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

Work Currently in Design/Study/Engineering		
Description	Design Consultant	Status
System-wide Odor/Corrosion Study	Jacobs	Study ~95% Complete
NESPS & OMID Maintenance & Repairs	Metco	Engineering/Maintenance Ongoing
NIEA-OMIDDD Contract 1 (PCI-4)	NTH	Design Complete; NTP Pending
NIEA-OMIDDD Contract 2 (PCI-18/19)	NTH	Design ~80% Complete; pursuing cost sharing w/ GLWA
Emergency Pumping Plan	ASI/FKE	Design Complete; Field work pending final award



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



November 18, 2020 OMIDDD Board Meeting



MIDy/OMID Construction Schedule

[illegible]

Table updated on 10/13/2020. Estimates to be updated as necessary.

* Flow control from 8/20 through 6/21 will be required for sewer cleaning. Flow control requirements are TBD based on contractor means & methods, not reflected in "Control Devices Required to Store Flow" section.

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

	Estimated Project Window
	Flow Control Required
	Flow Control May Be Required

Agenda Item No. 8

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

YTD Trial Balance

Fund: 84914 Oakland Macomb InterceptorSeg3

As of Fiscal Period: Month 2, 2021

Run By: WRC_REPORTING

Run: 11/13/2020 at 07:31 AM

Scope: 84914 Oakland Macomb InterceptorSeg3

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg3 100000001557	YTD Balance
100100	Cash - Operating	22,736.48	22,736.48	22,736.48
104100	Accrued Interest on Investment	(381.34)	(381.34)	(381.34)
143100	Prepaid Expenses	660.00	660.00	660.00
211100	Due to Primary Government	(327.50)	(327.50)	(327.50)
	Revenues	(32.51)	(32.51)	(32.51)
	Expenditures	231.00	231.00	231.00
	Special Items- Uses	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(22,886.13)	(22,886.13)	(22,886.13)
		(0.00)	(0.00)	(0.00)

Cash as of 11/13/2020 \$ 22,736.48

Invoices / Reimbursements on Current Cash Balance 0.00

Total Net Cash Balance \$ 22,736.48

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb InterceptorSeg3

100000001557

(as of November 13, 2020)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730772 - Freight and Express		0.00	237.38	
730926 - Indirect Costs		0.00	88,274.86	
730940 - Insurance		0.00	374,816.24	
731521 - Public Services		0.00	72,238.27	
732018 - Travel and Conference		0.00	160.44	
771638 - Drain Equip Labor		0.00	216,953.03	
771639 - Drain Equipment		0.00	19,268.57	
Administration TOTALS				
	460,138.00	0.00	771,948.79	(\$311,810.79)
CONT - Contingency				
Contingency TOTALS				
	4,581,277.00	0.00	0.00	\$4,581,277.00
ENG - Engineering				
702000 - Salaries		0.00	37.74	
722000 - Fringe Benefits		0.00	-25.90	
730772 - Freight and Express		0.00	85.13	
731346 - Personal Mileage		0.00	528.54	
731521 - Public Services		0.00	41,759.18	
732018 - Travel and Conference		0.00	5,546.06	
750140 - Employee Footwear		0.00	75.00	
771638 - Drain Equip Labor		0.00	619,287.86	
771639 - Drain Equipment		0.00	62,383.73	
Engineering TOTALS				
	1,063,145.00	0.00	729,677.34	\$333,467.66
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		0.00	12,856,549.06	
730940 - Insurance		0.00	2,435.63	
731458 - Professional Services		0.00	62,241.27	
Engineering Consultant TOTALS				
	12,471,892.00	0.00	12,921,225.96	(\$449,333.96)
FAC - Facility Acquisition				
731472 - Project Construction and Impr		0.00	50,234,735.34	
731521 - Public Services		0.00	2,240.68	
Facility Acquisition TOTALS				
	45,738,545.00	0.00	50,236,976.02	(\$4,498,431.02)
FRINGE_BENEFITS - Fringe Benefits				
722000 - Fringe Benefits		0.00	25.90	
Fringe Benefits TOTALS				
	0.00	0.00	25.90	(\$25.90)
INS - Inspection				
730373 - Contracted Services		231.00	231.00	
731521 - Public Services		0.00	37,329.11	
Inspection TOTALS				
	330,221.00	231.00	37,560.11	\$292,660.89
LEGAL - Legal and Financial				

Water Resources Commissioner
PROJECT WORK IN PROGRESS
Oakland Macomb InterceptorSeg3
100000001557
(as of November 13, 2020)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
730639 - Engineering Services-Other	0.00	209,748.13	
730772 - Freight and Express	0.00	127.71	
730940 - Insurance	0.00	2,894,717.09	
731073 - Legal Services	0.00	449,564.79	
731451 - Prof Svc-Financial Consultant	0.00	62,305.00	
Legal and Financial TOTALS			
3,737,066.00	0.00	3,616,462.72	\$120,603.28

ROW - Right of Way

731038 - Land and Easement	0.00	226,383.45	
731661 - RW Negotiation and Expense	0.00	1,750.00	
Right of Way TOTALS			
11,440.00	0.00	228,133.45	(\$216,693.45)

Project 100000001557 - Oakland Macomb InterceptorSeg3			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$68,393,724.00	\$231.00	\$68,542,010.29	(\$148,286.29)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$3,253,724.00	
631827-Reimb General	\$0.00	\$43,882.94	
655077-Accrued Interest Adjustments	(\$9.76)	(\$381.34)	
655385-Income from Investments	\$25.45	\$127,472.33	
697753-State Revolving Fund Loans	\$0.00	\$65,140,000.00	
TOTAL REVENUE	\$15.69	\$68,564,697.93	
REVENUE OVER/(UNDER) EXPENSES		\$22,687.64	

YTD Trial Balance
Fund: 84915 Oakland Macomb InterceptorSeg4
As of Fiscal Period: Month 2, 2021

Run By: WRC_REPORTING
Run: 11/13/2020 at 07:31 AM
Scope: 84915 Oakland Macomb InterceptorSeg4

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg4 100000001913	OMI NESPS GATEHOUSE SEG4 100000002232	NESPS Odor Corrosion StdY Seg4 100000002708	YTD Balance
100100	Cash - Operating	290,946.34	187,431.07	27,889.13	75,626.14	290,946.34
101900	Fund Cash Transaction	2,060.18	0.00	0.00	2,060.18	2,060.18
104100	Accrued Interest on Investment	42,264.22	42,264.22	0.00	0.00	42,264.22
211100	Due to Primary Government	(44,548.63)	(17,277.62)	(364.63)	(26,906.38)	(44,548.63)
	Revenues	(727.24)	94,272.76	0.00	(95,000.00)	(727.24)
697551	Issuance of Bonds	0.00	105,000.00	0.00	(105,000.00)	0.00
	Expenditures	21,241.34	0.00	928.17	20,313.17	21,241.34
	Special Items- Uses	0.00	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(311,236.21)	(411,690.43)	(28,452.67)	128,906.89	(311,236.21)
		0.00	0.00	(0.00)	(0.00)	0.00

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

Cash as of 11/13/2020	\$	293,006.52
Invoices/Reimbursements for Seg 4 on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS Gatehouse on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS NIEA-East Arm on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS Odor Corrosion Study on Current Agenda impacting Cash Balance		(9,817.50)
Total Net Cash Balance	\$	<u>283,189.02</u>

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb InterceptorSeg4

100000001913

(as of November 13, 2020)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730926 - Indirect Costs		0.00	63,879.05	
730940 - Insurance		0.00	67,871.13	
731115 - Licenses and Permits		0.00	320,000.00	
731521 - Public Services		0.00	14,235.58	
732165 - Workshops and Meeting		0.00	29.66	
771638 - Drain Equip Labor		0.00	4,607.71	
771639 - Drain Equipment		0.00	269.47	
Administration TOTALS				
	390,165.00	0.00	470,892.60	(\$80,727.60)
ENG - Engineering				
731346 - Personal Mileage		0.00	13,783.77	
731521 - Public Services		0.00	40,605.00	
771638 - Drain Equip Labor		0.00	750,197.86	
771639 - Drain Equipment		0.00	82,464.04	
Engineering TOTALS				
	484,153.00	0.00	887,050.67	(\$402,897.67)
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 13, 2020)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 100000001913 - Oakland Macomb InterceptorSeg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$19,583,909.00	\$0.00	\$19,229,736.75	\$354,172.25
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	(\$95,000.00)	\$8,390,730.35	
615572-State Capital Grants	\$0.00	\$1,105,350.77	
655077-Accrued Interest Adjustments	(\$166.18)	\$42,264.22	
655385-Income from Investments	\$433.27	\$650,169.43	
697551-Issuance of Bonds	(\$105,000.00)	\$763,639.65	
697753-State Revolving Fund Loans	\$0.00	\$8,490,000.00	
TOTAL REVENUE	(\$199,732.91)	\$19,442,154.42	
REVENUE OVER/(UNDER) EXPENSES		\$212,417.67	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMI NESPS GATEHOUSE SEG4

100000002232

(as of November 13, 2020)

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	388.60	12,741.01	
771639 - Drain Equipment	14.95	558.59	

Engineering TOTALS

59,699.00	403.55	13,299.60	\$46,399.40
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ENGCON - Engineering Consultant

730639 - Engineering Services-Other	0.00	1,248,846.74	
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Engineering Consultant TOTALS

496,981.00	0.00	1,248,846.74	(\$751,865.74)
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FAC - Facility Acquisition

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

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

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

Inspection TOTALS

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

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

6,000.00	0.00	1,456.00	\$4,544.00
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Project 100000002232 - OMI NESPS GATEHOUSE SEG4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$4,418,998.00	\$403.55	\$4,722,475.50	(\$303,477.50)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$2,434,988.28	
697551-Issuance of Bonds	\$0.00	\$2,315,011.72	
TOTAL REVENUE	\$0.00	\$4,750,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$27,524.50	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

100000002708

(as of November 13, 2020)

	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	88,400.00	
Administration TOTALS	188,148.00	0.00	113,441.48	\$74,706.52
CONT - Contingency				
Contingency TOTALS	637,000.00	0.00	0.00	\$637,000.00
ENG - Engineering				
771638 - Drain Equip Labor		1,774.08	110,990.57	
771639 - Drain Equipment		47.86	4,118.22	
Engineering TOTALS	206,253.00	1,821.94	115,108.79	\$91,144.21
ENGCON - Engineering Consultant				
730373 - Contracted Services		0.00	1,210,212.01	
730639 - Engineering Services-Other		0.00	59,195.44	
Engineering Consultant TOTALS	1,073,000.00	0.00	1,269,407.45	(\$196,407.45)
FAC - Facility Acquisition				
730352 - Construction		0.00	652,723.40	
731472 - Project Construction and Impr		0.00	4,144,900.02	
Facility Acquisition TOTALS	4,600,000.00	0.00	4,797,623.42	(\$197,623.42)
INS - Inspection				
771638 - Drain Equip Labor		6,549.94	205,508.00	
771639 - Drain Equipment		910.45	31,494.69	
Inspection TOTALS	190,343.00	7,460.39	237,002.69	(\$46,659.69)
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				
730352 - Construction		0.00	116,361.10	
730926 - Indirect Costs		0.00	3,729.80	
730940 - Insurance		0.00	139,930.93	
731906 - Testing Services		0.00	31,382.05	
771638 - Drain Equip Labor		428.40	4,612.42	
771639 - Drain Equipment		297.09	2,460.60	
Standard Operation TOTALS	38,010.00	725.49	298,476.90	(\$260,466.90)

SUR - Survey Crew

Water Resources Commissioner
PROJECT WORK IN PROGRESS
NESPS Odor Corrosion StdY Seg4
100000002708
 (as of November 13, 2020)

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

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	\$10,007.82	\$6,832,804.73	\$171,195.27
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$95,000.00	\$3,222,236.04	
697551-Issuance of Bonds	\$105,000.00	\$3,661,348.63	
TOTAL REVENUE	\$200,000.00	\$6,883,584.67	
REVENUE OVER/(UNDER) EXPENSES		\$50,779.94	

YTD Trial Balance
Fund: 84917 Oakland Macomb InterceptorSeg5
As of Fiscal Period: Month 2, 2021

Run By: WRC_REPORTING
Run: 11/13/2020 at 07:32 AM
Scope: 84917 Oakland Macomb InterceptorSeg5

ACCOUNT		YTD Balance Total Fund	YTD Balance No Project	OMID Segment 5 100000003252	YTD Balance
100100	Cash - Operating	83,328,896.56	0.00	83,328,896.56	83,328,896.56
104100	Accrued Interest on Investment	(86,313.82)	0.00	(86,313.82)	(86,313.82)
	Revenues	287,003.15	402,211.79	(115,208.64)	287,003.15
	Expenditures	0.00	0.00	0.00	0.00
	Special Items- Uses	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(83,529,585.89)	(402,211.79)	(83,127,374.10)	(83,529,585.89)
		0.00	0.00	0.00	0.00

Cash as of 11/13/2020 \$ 83,328,896.56

Invoices / Reimbursements on Current Cash Balance 0.00

Total Net Cash Balance \$ 83,328,896.56

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID Segment 5

100000003252

(as of November 13, 2020)

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

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

LEGAL - Legal and Financial

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

Project 100000003252 - OMID Segment 5			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$0.00	\$0.00	\$757,136.57	(\$757,136.57)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$18,996,523.74	
655077-Accrued Interest Adjustments	\$0.00	(\$86,313.82)	
655385-Income from Investments	\$0.00	\$201,242.52	
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	\$57,215,000.00	
TOTAL REVENUE	\$0.00	\$83,597,507.52	
REVENUE OVER/(UNDER) EXPENSES		\$82,840,370.95	

Oakland County - Water Resources Commissioner's Office
Fund Equity: Schedule of Reserves and Dedicated Funds
As of Date: October 31, 2020

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	2,953,955.75	41,666.67	2,553,031.38	17,351,660.45		22,900,314.25
84914	OMIDD Seg 3						
	- Project 1-1557 Interceptor Seg 3					22,687.64	22,687.64
84915	OMIDD Seg 4						
	- Project 1-1913 Interceptor Seg 4					212,417.67	212,417.67
	- Project 1-2232 NESPS Gatehouse					27,524.50	27,524.50
	- Project 1-2708 NESPS Odor Corrosion Study					50,779.94	50,779.94
84917	OMIDD Seg 5						
	- Project 1-3252 Interceptor Seg 5					82,840,370.95	82,840,370.95
Total Equity in Maintenance and Construction Funds							<u>106,054,094.95</u>

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

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMI DD Meeting Date 11/18/2020

		84914	84915	84915	84915	84915	84917	82912	
		1-1557	1-1913	1-2232	1-2232	1-2708			
<u>Payable To</u>	<u>Invoice #</u>	<u>Segment 3</u>	<u>Segment 4</u>	<u>Segment 4 - NESPS Gate House</u>	<u>Segment 4 - NIEA East Arm</u>	<u>Segment 4 - NESPS Odor Corrosion Study</u>	<u>Segment 5</u>	<u>Operations & Maintenance</u>	<u>Total</u>
Oakland County *	WRC Labor/Fringes/Non-direct Labor			699.48		12,798.85			\$13,498.33
Oakland County *	WRC Equipment			26.91		1,837.07			\$1,863.98
Macomb County	Invoice # APR200228 Personnel and various vendor reimbursement							11,652.58	\$11,652.58
CH2M - LG Design, Inc	Invoice # 705773CH021 Services Through 10/30/20					9,817.50			\$9,817.50
Clark Hill PLC	Invoice # 1026480 Matter 404547 Through 9/30/20							810.00	\$810.00
Clark Hill PLC	Invoice # 1026481 Matter 405805 Through 9/30/20							756.00	\$756.00
Clark Hill PLC	Invoice # 1027273 Matter 316432 Through 9/30/20							2,538.00	\$2,538.00
Clark Hill PLC	Invoice # 1036351 Matter 316432 Through 10/31/20							594.00	\$594.00
CSM Mechanical, LLC	Invoice # 200MIDD006 Invoice Date 10/30/20							29,019.25	\$29,019.25
CSM Mechanical, LLC	Invoice # 200MIDD011 Invoice Date 10/16/20							3,050.00	\$3,050.00
CSM Mechanical, LLC	Invoice # 2020-0002.3 Invoice Date 10/21/20							22,549.11	\$22,549.11
Detroit Elevator	Invoice # 190367S Elevator Modernization Progress Billing 3 10/31/20							10,868.30	\$10,868.30
Dickenson Wright PLLC	Invoice # 1521075 Matter 012840-00424 Service through 9/30/20							4,760.00	\$4,760.00
Konecranes	Invoice # 154383945 Service Date 10/23/20 Call for Routine Maintenance							1,392.00	\$1,392.00
METCO	Invoice # 1811-21 Through 9/27/20							69,967.41	\$69,967.41
METCO	Invoice # 1811-22 Through 10/31/20							108,544.67	\$108,544.67
Motor City Electric Technologies	Invoice # 93288 Control Structure 10/28/20							17,436.00	\$17,436.00
Motor City Electric Technologies	Invoice # 93289 Wind Monitor Install 10/01/20							10,852.47	\$10,852.47
Motor City Electric Technologies	Invoice # 93305 NESPS SCADA Cutover 10/23/20							154.00	\$154.00
Motor City Electric Technologies	Invoice # 93306 NESPS SCADA Cutover 10/19/20							308.00	\$308.00
Motor City Electric Technologies	Invoice # 93307 NESPS SCADA Cutover10/15/20							269.50	\$269.50
Motor City Electric Technologies	Invoice # 93315 NESPS Flow Control Improvements 01/28/20							25,000.00	\$25,000.00
NTH Consultants	Inv # 05 OMID NESPS Safety Manual & Crane Support Service Through 10/23/20							843.56	\$843.56
NTH Consultants	Inv # 07 OMID CS-9 Gate Design Service Through 10/23/20							11,734.49	\$11,734.49
NTH Consultants	Inv # 17 - OMIDD NI-EA Rehab Services Through 10/23/20							58,572.77	\$58,572.77
NTH Consultants	Inv # 21 - OMIDD System Immediate Repair Service Through 10/23/20							5,226.97	\$5,226.97
PM Technologies	Invoice # 0000141535 Tank Inspection Services /20 Main and Day Tanks							3,650.00	\$3,650.00
PM Technologies	Invoice # 0000143239 Technician Travel and Labor Services 10/08/20							1,245.95	\$1,245.95
PM Technologies	Invoice # 0000143240 Technician Travel and Labor Services 10/08/20							1,245.95	\$1,245.95
PM Technologies	Invoice # 0000143705 Technician Travel and Labor Services 10/08/20							1,245.95	\$1,245.95
PMA Consultants	Invoice # 03559.01 - 5 Professional Services Through 10/31/20							11,590.62	\$11,590.62
Total Invoices/Reimbursements for Approval		\$0.00	\$0.00	\$726.39	\$0.00	\$24,453.42	\$0.00	\$415,877.55	\$441,057.36
	* Less WRC Charges already paid from OMI Fund	0.00	0.00	(726.39)	0.00	(14,635.92)	0.00	0.00	(15,362.31)
	** Less amount being paid from Retainage Account								0.00
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain		\$0.00	\$0.00	\$0.00	\$0.00	\$9,817.50	\$0.00	\$415,877.55	\$425,695.05

Agenda Item No. 9

Invoices

OMI Segment 4 NESPS Gatehouse Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 10/10/2020 - 11/09/2020									
VOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
525985	10/23/2020	10/23/2020	PARROTT, JEFFREY	4.00	\$310.88	REGULAR	WRCROW	100000002232	ENG
525985	11/05/2020	10/29/2020	PARROTT, JEFFREY	2.00	\$155.44	REGULAR	WRCROW	100000002232	ENG
525985	11/05/2020	11/02/2020	PARROTT, JEFFREY	3.00	\$233.16	REGULAR	WRCROW	100000002232	ENG
					\$699.48				

OMI NESPS Gatehouse Project - WRC Equipment Charges for Trans Dates - 10/10/2020 - 11/09/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
525985	10/23/2020	10/23/2020	PARROTT, JEFFREY	4.00	\$9.36	ASSIGNED	PC/Computer	100000002232	ENG
525985	10/23/2020	10/23/2020	PARROTT, JEFFREY	4.00	\$1.00	ASSIGNED	Tablet/iPad	100000002232	ENG
525985	10/23/2020	10/23/2020	PARROTT, JEFFREY	4.00	\$1.60	ASSIGNED	Cell Phone	100000002232	ENG
525985	11/05/2020	10/29/2020	PARROTT, JEFFREY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002232	ENG
525985	11/05/2020	10/29/2020	PARROTT, JEFFREY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002232	ENG
525985	11/05/2020	10/29/2020	PARROTT, JEFFREY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002232	ENG
525985	11/05/2020	11/02/2020	PARROTT, JEFFREY	3.00	\$1.20	ASSIGNED	Cell Phone	100000002232	ENG
525985	11/05/2020	11/02/2020	PARROTT, JEFFREY	3.00	\$7.02	ASSIGNED	PC/Computer	100000002232	ENG
525985	11/05/2020	11/02/2020	PARROTT, JEFFREY	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000002232	ENG
					\$26.91				

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

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 10/10/2020

WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment
864521	10/26/2020	09/28/2020	BROWN, JOEL	1.50	\$166.32	REGULAR	WRCCON
864521	10/26/2020	10/01/2020	BROWN, JOEL	1.00	\$110.88	REGULAR	WRCCON
864521	10/26/2020	10/02/2020	BROWN, JOEL	1.00	\$110.88	REGULAR	WRCCON
864521	10/26/2020	10/05/2020	BROWN, JOEL	1.50	\$166.32	REGULAR	WRCCON
864521	10/26/2020	10/06/2020	BROWN, JOEL	1.00	\$110.88	REGULAR	WRCCON
864521	10/26/2020	10/07/2020	BROWN, JOEL	2.00	\$221.76	REGULAR	WRCCON
864521	10/26/2020	10/09/2020	BROWN, JOEL	1.50	\$166.32	REGULAR	WRCCON
864521	10/26/2020	10/12/2020	BROWN, JOEL	2.00	\$221.76	REGULAR	WRCCON
864521	10/26/2020	10/13/2020	BROWN, JOEL	1.00	\$110.88	REGULAR	WRCCON
864521	10/26/2020	10/20/2020	BROWN, JOEL	1.00	\$110.88	REGULAR	WRCCON
864521	10/26/2020	10/22/2020	BROWN, JOEL	1.50	\$166.32	REGULAR	WRCCON
864521	10/26/2020	10/23/2020	BROWN, JOEL	1.00	\$110.88	REGULAR	WRCCON
BROWN, JOEL Total					\$1,774.08		
951584	10/12/2020	10/12/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/13/2020	10/13/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/20/2020	10/20/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/21/2020	10/21/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/22/2020	10/22/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/23/2020	10/23/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/26/2020	10/26/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/27/2020	10/27/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/28/2020	10/28/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/29/2020	10/29/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	10/30/2020	10/30/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	11/02/2020	11/02/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	11/04/2020	11/04/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	11/05/2020	11/05/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
951584	11/06/2020	11/06/2020	CODE, JEFFREY	1.00	\$69.74	REGULAR	WRCCDM
CODE, JEFFREY Total					\$1,046.10		
965981	10/30/2020	10/29/2020	HUGHES, KYLE	3.00	\$103.74	REGULAR	WRCSMU
HUGHES, KYLE Total					\$103.74		
965981	10/30/2020	10/29/2020	LACKIE, TED	3.00	\$169.14	REGULAR	WRCSMU
LACKIE, TED Total					\$169.14		
951584	10/14/2020	10/09/2020	ROBERTS, PATRICK	-5.00	\$-327.25	OVERTIME-D	WRCCDM
951584	10/12/2020	10/12/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/13/2020	10/13/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/16/2020	10/15/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/19/2020	10/19/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/20/2020	10/20/2020	ROBERTS, PATRICK	1.00	\$65.45	OVERTIME	WRCCDM
951584	10/20/2020	10/20/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/21/2020	10/21/2020	ROBERTS, PATRICK	1.00	\$65.45	OVERTIME	WRCCDM
951584	10/21/2020	10/21/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/22/2020	10/22/2020	ROBERTS, PATRICK	1.00	\$65.45	OVERTIME	WRCCDM
951584	10/22/2020	10/22/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/23/2020	10/23/2020	ROBERTS, PATRICK	1.00	\$65.45	OVERTIME	WRCCDM
951584	10/23/2020	10/23/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/26/2020	10/26/2020	ROBERTS, PATRICK	2.00	\$130.90	OVERTIME	WRCCDM
951584	10/26/2020	10/26/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/27/2020	10/27/2020	ROBERTS, PATRICK	2.00	\$130.90	OVERTIME	WRCCDM
951584	10/27/2020	10/27/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/28/2020	10/28/2020	ROBERTS, PATRICK	1.50	\$98.18	OVERTIME	WRCCDM
951584	10/28/2020	10/28/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/29/2020	10/29/2020	ROBERTS, PATRICK	2.00	\$130.90	OVERTIME	WRCCDM
951584	10/29/2020	10/29/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	10/30/2020	10/30/2020	ROBERTS, PATRICK	1.50	\$98.18	OVERTIME	WRCCDM
951584	10/30/2020	10/30/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	11/02/2020	11/02/2020	ROBERTS, PATRICK	2.00	\$130.90	OVERTIME	WRCCDM
951584	11/02/2020	11/02/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	11/04/2020	11/03/2020	ROBERTS, PATRICK	10.00	\$654.50	HOLIDAY	WRCCDM
951584	11/04/2020	11/04/2020	ROBERTS, PATRICK	2.00	\$130.90	OVERTIME	WRCCDM
951584	11/04/2020	11/04/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM

951584	11/05/2020	11/05/2020	ROBERTS, PATRICK	2.00	\$130.90	OVERTIME	WRCCDM
951584	11/05/2020	11/05/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
951584	11/06/2020	11/06/2020	ROBERTS, PATRICK	2.00	\$130.90	OVERTIME	WRCCDM
951584	11/06/2020	11/06/2020	ROBERTS, PATRICK	8.00	\$461.68	REGULAR	WRCCDM
ROBERTS, PATRICK Total					\$9,550.27		
965981	10/30/2020	10/29/2020	RUELLE, RANDY	3.00	\$155.52	REGULAR	WRCSMU
RUELLE, RANDY Total					\$155.52		
Grand Total					\$12,798.85		
					\$5,820.51		

) - 11/06/2020

Project	Activity
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[illegible]

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1000000002708 INS
1000000002708 INS
1000000002708 INS
1000000002708 INS
1000000002708 INS
1000000002708 INS
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[illegible]

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100000002708	STD	\$169.14
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[illegible]

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100000002708	INS	
100000002708	INS	\$5,922.28

100000002708	STD	\$155.52
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6978.34

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Equipment Charges for Trans Dates - 10/10/2020 - 11/06/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
864521	10/26/2020	09/28/2020	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	09/28/2020	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	09/28/2020	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/01/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/01/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/01/2020	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/02/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/02/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/02/2020	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/05/2020	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/05/2020	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/05/2020	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/06/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/06/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/06/2020	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/07/2020	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/07/2020	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/07/2020	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/09/2020	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/09/2020	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/09/2020	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/12/2020	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/12/2020	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/12/2020	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/13/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/13/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/13/2020	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/20/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/20/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/20/2020	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/22/2020	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/22/2020	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/22/2020	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	10/26/2020	10/23/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	10/26/2020	10/23/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	10/26/2020	10/23/2020	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
			BROWN, JOEL Total		\$47.86				
951584	10/12/2020	10/12/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/12/2020	10/12/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/12/2020	10/12/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/13/2020	10/13/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/13/2020	10/13/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/13/2020	10/13/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/20/2020	10/20/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/20/2020	10/20/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/20/2020	10/20/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/21/2020	10/21/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/21/2020	10/21/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/21/2020	10/21/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/22/2020	10/22/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/22/2020	10/22/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/22/2020	10/22/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/23/2020	10/23/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/23/2020	10/23/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/23/2020	10/23/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/26/2020	10/26/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/26/2020	10/26/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/26/2020	10/26/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/27/2020	10/27/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/27/2020	10/27/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/27/2020	10/27/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/28/2020	10/28/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/28/2020	10/28/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/28/2020	10/28/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
951584	10/29/2020	10/29/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/29/2020	10/29/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
951584	10/29/2020	10/29/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS

951584	10/27/2020	10/27/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
951584	10/27/2020	10/27/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
951584	10/28/2020	10/28/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/28/2020	10/28/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
951584	10/28/2020	10/28/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
951584	10/28/2020	10/28/2020	ROBERTS, PATRICK	1.50	\$8.54	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/28/2020	10/28/2020	ROBERTS, PATRICK	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	INS
951584	10/28/2020	10/28/2020	ROBERTS, PATRICK	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	INS
951584	10/29/2020	10/29/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/29/2020	10/29/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
951584	10/29/2020	10/29/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
951584	10/29/2020	10/29/2020	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/29/2020	10/29/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
951584	10/29/2020	10/29/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
951584	10/30/2020	10/30/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/30/2020	10/30/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
951584	10/30/2020	10/30/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
951584	10/30/2020	10/30/2020	ROBERTS, PATRICK	1.50	\$8.54	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	10/30/2020	10/30/2020	ROBERTS, PATRICK	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	INS
951584	10/30/2020	10/30/2020	ROBERTS, PATRICK	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	INS
951584	11/02/2020	11/02/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/02/2020	11/02/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
951584	11/02/2020	11/02/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
951584	11/02/2020	11/02/2020	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/02/2020	11/02/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
951584	11/02/2020	11/02/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
951584	11/04/2020	11/03/2020	ROBERTS, PATRICK	10.00	\$56.90	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/04/2020	11/03/2020	ROBERTS, PATRICK	10.00	\$4.00	ASSIGNED	Cell Phone	100000002708	INS
951584	11/04/2020	11/03/2020	ROBERTS, PATRICK	10.00	\$23.40	ASSIGNED	PC/Computer	100000002708	INS
951584	11/04/2020	11/04/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/04/2020	11/04/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
951584	11/04/2020	11/04/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
951584	11/04/2020	11/04/2020	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/04/2020	11/04/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
951584	11/04/2020	11/04/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
951584	11/05/2020	11/05/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/05/2020	11/05/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
951584	11/05/2020	11/05/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
951584	11/05/2020	11/05/2020	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/05/2020	11/05/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
951584	11/05/2020	11/05/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
951584	11/06/2020	11/06/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/06/2020	11/06/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
951584	11/06/2020	11/06/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
951584	11/06/2020	11/06/2020	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
951584	11/06/2020	11/06/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
951584	11/06/2020	11/06/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
			ROBERTS, PATRICK Total		\$1,365.67				
965981	10/30/2020	10/29/2020	RUELLE, RANDY	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	STD
965981	10/30/2020	10/29/2020	RUELLE, RANDY	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	STD
			RUELLE, RANDY Total		\$8.22				
965981	10/30/2020	10/29/2020	SMU	3.00	\$17.07	UNASSIGNED	Pick Up Truck, 3/4 T	100000002708	STD
965981	10/30/2020	10/29/2020	SMU	3.00	\$78.66	UNASSIGNED	TV Truck - 14902	100000002708	STD
965981	10/30/2020	10/29/2020	SMU	3.00	\$177.90	UNASSIGNED	Vactor - 19906	100000002708	STD
			SMU Total		\$273.63				
			Grand Total		\$1,837.07				

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



Candice S. Miller

Public Works Commissioner
Macomb County

COUNTY OF OAKLAND
Oakland Co Treas-Cash Acct Bldg 12E
1200 N Telegraph Rd
PONTIAC, MI 48341

Invoice Date Invoice
09/30/2020 ARP200228

REF DATE	DESCRIPTION	AMOUNT
Work Order: # WO20016 WO Descrip: OMID Expenses/Revenue		
09/30/2020	Personnel Reimb. 6/27-9/30	7,804.56
Work Order: # WO20016 WO Descrip: OMID Expenses/Revenue		
09/30/2020	SCADA Maintenance	1,432.74
Work Order: # WO20016 WO Descrip: OMID Expenses/Revenue		
09/30/2020	Utility Reimbursement	2,415.28
Charges		11,652.58
Amount Due		\$11,652.58

Please direct inquiries about your account to:

Phone: (586) 469-5325 - Finance Department

Email: bruce.manning@macombgov.org

Please make checks payable to:

Macomb County Public Works

Please remit your payment to:

Public Works
Finance Department
21777 Dunham Road
Clinton Township, MI 48036

Customer Number: V01091 AC: 32

Invoice Date: 09/30/2020

Invoice Number: ARP200228

Amount Due: \$11,652.58

Payment Terms: Due Upon Receipt

ADDRESS: 21777 Dunham Road, Clinton Township, MI 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

ENGINEERING: • Phone: 586-469-5910 • Fax: 586-469-7693 **SOIL EROSION:** • Phone: 586-469-5327 • Fax: 586-307-8264



LG Design is a Subsidiary of CH2M Hill Engineers

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

84915 - 149015 - 730373 - 5456 - 1-2708 - Ch. 21 - engcon v# 22147 exp. 6/26/23 li# 41407

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

Invoice Date: 11/5/2020
CH2M HILL Project No. 705773CH
CH2M HILL Invoice No. 705773CH021
Sequential Invoice Number: 22

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

This invoice includes labor and expenses for the period:
From October 03, 2020 through October 30, 2020

Authorized Amount: \$ 1,272,470.46
Current Invoice: \$ 9,817.50
Total Invoiced: \$ 1,129,725.72
Percent Complete: 88.78%
Remaining Budget: \$ 142,744.74

Total Amount Due: \$ 9,817.50

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	\$ 311,457.83	\$ 6,905.17	\$ 318,363.00	97.74%	\$ 7,368.16
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	\$ 35,641.00	\$ 4,307.50	\$ -	\$ 4,307.50	12.09%	\$ 31,333.50
9	PREPARE O&M MANUAL	\$ 26,718.00	\$ -	\$ -	\$ -	0.00%	\$ 26,718.00
10	PROVIDE OPERATING TRAINING	\$ 9,082.00	\$ -	\$ -	\$ -	0.00%	\$ 9,082.00
11	ASSIST WITH FACILITY START-UP	\$ 17,129.00	\$ -	\$ -	\$ -	0.00%	\$ 17,129.00
12	PREPARE RECORD DRAWINGS	\$ 9,803.00	\$ -	\$ -	\$ -	0.00%	\$ 9,803.00
13	WARRANTY & PERFORMANCE REVIEWS	\$ 15,925.00	\$ -	\$ -	\$ -	0.00%	\$ 15,925.00
14	PROJECT PLANNING	\$ 25,000.00	\$ 24,997.75	\$ -	\$ 24,997.75	99.99%	\$ 2.25
EX	EXPENSES	\$ 20,219.69	\$ 17,175.62	\$ -	\$ 17,175.62	84.95%	\$ 3,044.07
SUB.METCO	ELECTRICAL ENGINEERING	\$ 75,570.00	\$ 74,194.50	\$ -	\$ 74,194.50	98.18%	\$ 1,375.50
SUB.NTH	GEOTECH INVESTIGATION	\$ 248,707.15	\$ 245,794.82	\$ 2,912.33	\$ 248,707.15	100.00%	\$ -
SUB.SDA	SITE SURVEY	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100.00%	\$ -
Subtotal:		\$ 1,251,779.46	\$ 1,119,908.22	\$ 9,817.50	\$ 1,129,725.72	90.25%	\$ 122,053.74
Allowance		\$ 20,691.00	\$ -	\$ -	\$ -	0.00%	\$ 20,691.00
Total:		\$ 1,272,470.46	\$ 1,119,908.22	\$ 9,817.50	\$ 1,129,725.72	90.25%	\$ 142,744.74

OUTSTANDING INVOICES:

INVOICE DATE	INVOICE #	AMOUNT
Total:		\$ -
Current invoice		\$ 9,817.50
TOTAL DUE:		\$ 9,817.50

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: Wells Fargo
ABA No: 121000248
Account No (USD): 4121034003
SWIFT: WFBUS6S

CLARK HILL

P.L.C.

ATTORNEYS AT LAW

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

INVOICE

Invoice # 1026480

Oakland-Macomb Interceptor Drain Drainage District October 8, 2020
Attn: Kelsey Cooke Client: 58434
c/o Oakland County Water Resources Commissioner Matter: 404547
1 Public Works Drive
Waterford, MI 48328 **82912 - 149667 - 731073 - 1-3019 - 5113 - v#2788 - li#39308 - exp. 5/15/21**

=====

RE: Northeast Interceptor East Arm Improvements

FOR SERVICES RENDERED through September 30, 2020

Total Services: \$810.00

STATEMENT TOTAL \$810.00

PAYABLE UPON RECEIPT IN U.S. DOLLARS

CLARK HILL

P.L.C.

ATTORNEYS AT LAW

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

INVOICE

Invoice # 1026481

Oakland-Macomb Interceptor Drain Drainage District October 8, 2020
Attn: Kelsey Cooke Client: 58434
c/o Oakland County Water Resources Commissioner Matter: 405805
1 Public Works Drive
Waterford, MI 48328 **82912 - 149667- 731073 - 5113 - Ch. 21 v#2788**

=====

RE: Sewer Interceptor - Interconnection OMIDD/MID

FOR SERVICES RENDERED through September 30, 2020

Total Services:	\$756.00
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STATEMENT TOTAL	\$756.00
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PAYABLE UPON RECEIPT IN U.S. DOLLARS

CLARK HILL

P.L.C.

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

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

82912 - 149667- 1-3019- 731073 -
LEGAL - 5113 - Ch.21



INVOICE

10/13/20

Invoice # 1027273

Oakland-Macomb Interceptor Drain Drainage District October 8, 2020
Attn: Kelsey Cooke Client: 58434
c/o Oakland County Water Resources Commissioner Matter: 316432
1 Public Works Drive
Waterford, MI 48328

=====

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

FOR SERVICES RENDERED through September 30, 2020

Total Services: \$2,538.00

INVOICE TOTAL \$2,538.00

09/14/20 1018323 \$2997.00

Past Due Balance: \$2,997.00

TOTAL AMOUNT DUE \$5,535.00

=====

CLARK HILL

P.L.C.

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

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

INVOICE

Invoice # 1036351

Oakland-Macomb Interceptor Drain Drainage District November 7, 2020
Attn: Kelsey Cooke Client: 58434
c/o Oakland County Water Resources Commissioner Matter: 316432
1 Public Works Drive
Waterford, MI 48328

82912 - 149667- 1-3019- 731073 -LEGAL - 5113 - Ch.21

=====

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

FOR SERVICES RENDERED through October 31, 2020

Total Services: \$594.00

INVOICE TOTAL \$594.00

10/08/20 1027273 \$2538.00

Past Due Balance: \$2,538.00

TOTAL AMOUNT DUE \$3,132.00

=====

MK 11/9/20

PAYABLE UPON RECEIPT IN U.S. DOLLARS

CSM Mechanical, LLC

OMIDD Northeast Pump Station
Bio Trickling Odor Control Project
Sub Contractor's Summary
CSM Mechanical NEPS Maintenance 200MIDDD-006

82912 - 149090 - 730660 - 5817 - Ch. 21 - v# 15750 - exp. 6/28/22 - li# 42697

Trade: Mechanical
Sub's Name: CSM Mechanical, LLC
Project: NEPS Maintenance
Date: 10/30/2020

TMM

11-10-2020

Scope of Work Description:

Provide skilled labor, materials and equipment associated with the cost for the replacement of the two 12" knife gates located on the 6th floor of the NEPS



Scope of Work Description	Materials					Units per MH	Labor			Contracted Services				Total Cost
	Item Description	UOM	Qty	Cost Per Unit	Total		MHRS	Rate	Total	Eq. Type	# Hrs.	Rate	Total	
Michigan Pipe and Valve	Sewer Plugs		1.0	\$3,623.08	\$3,623.08									\$3,623.08
United Rentals	Davit Arm Bases		1.0	\$1,278.36	\$1,278.36									\$1,278.36
United Rentals	Davit Arm Rental		1.0	\$1,556.18	\$1,556.18									\$1,556.18
ETNA	Rubber Gaskets		1.0	\$43.35	\$43.35									\$43.35
ETNA Restocking Fee	Piping/Flanges/Fittings		1.0	\$37.19	\$37.19									\$37.19
ETNA Restocking Fee	Piping/Flanges/Fittings		1.0	\$191.25	\$191.25									\$191.25
Ferguson Restocking Fee	Piping/Flanges/Fittings		1.0	\$239.88	\$239.88									\$239.88
Home Depot/Lowes	Misc		1.0	\$115.41	\$115.41									\$115.41
Madison Electric	Lockout Labels		1.0	\$42.38	\$42.38									\$42.38
Mid States Bolts	Stainless Fasteners		1.0	\$94.96	\$94.96									\$94.96
Skilled Labor	CSM Mechanical						51.00	\$90.00	\$4,590.00					\$4,590.00
Skilled Labor	CSM Mechanical						12.00	\$125.00	\$1,500.00					\$1,500.00
Air Compressor Rental	CSM Mechanical		1.0	\$125.00	\$125.00									\$125.00
Set Sewer Plugs in Wet Well	Commercial Divers										1.00	\$13,163.78	\$13,163.78	\$13,163.78
Subtotals					\$7,347.04		63.0		\$ 6,090.00		0.0		\$13,163.78	\$26,600.82
										State of MI sales tax			6%	
										Sub Contracted Profit			10.00%	\$1,316.38
										Materials Profit			15.00%	\$1,102.06
Total CO No.													TOTAL	\$29,019.25

Page 1 of 1

NOTES:

Manpower Hourly Summary	10/9/2020		
	Straight Time	Overtime	Meetings/Coordination
TJ Fields	8	4	4
Mark Kowalski	8	2	11
Jason Wolbers	8	2	
Jeff Scott	6	2	
Kyle Trammel	6	2	
Total	36	12	15



Vendor	No.	Description	Unit Price	Total	 <div> CSM MECHANICAL, LLC 7400 HICKORY VALLEY DRIVE FENTON, MI 48430 TEL: 248.521.0981 FAX: 517.540.9704 </div>											
	1	Grappling hook		\$0.00												
	1	200' rope	\$40.00	\$40.00												
	4	Tyvek suits	\$15.00	\$60.00	WWW.CSMMECHANICAL.COM											
				\$0.00	CUSTOMER P.O. NO.		DATE OF INVOICE		10/16/2020		CSM JOB #					
				\$0.00	CONTACT:		Mark		PHONE NO.		20-OMIDDD-011					
				\$0.00	JOB NAME		OMIDDD									
				\$0.00	ADDRESS		11010 E State Fair					Detroit, MI 48234				
				\$0.00								SERVICE REQUESTED OR TROUBLE REPORTED:				
				\$0.00	Bar Screen Cleaning											
				\$0.00	MAKE		MODEL		SERIAL NO.		WARRANTY					
				\$0.00							CONTRACT					
				\$0.00							SERVICE CONTRACT					
				\$0.00							NORMAL					
				\$0.00							SERVICE PERFORMED:					
				\$0.00	Cleaned bar screen and power washed floor of wet well.											
				\$0.00	<div>  11-4-2020 </div>											
				\$0.00	82912 - 149090 - 730660 - 5817 - Ch. 21 - v# 15750 - exp. 6/28/22 - li# 42697											
ENVIRONMENT CHECK LIST																
REFRIGERANT	CHRG. CODE	TYPE REFRIG.			SYS QTY.		CHANGED OUT OR REPLACED? Y/N			N/A						
	1	RECOVERED? Y/N	N/A		QTY.		DIS-MANTLED? Y/N			N/A						
	2	RECYCLED? Y/N	N/A		QTY.		REFRIGERATOR DISPOSAL? Y/N			N/A						
	3	RECLAIMED? Y/N	N/A		QTY.		6									
		RETURNED TO THIS SYSTEM? Y/N	N/A		QTY.		OUR PERSONNEL RECOMMENDS									
	4	DISPOSAL														
		NON USABLE? Y/N	N/A		QTY.		OWNERS INITIALS		ACCEPTED DECLINED							
	5	DISPOSAL														
DATE	SERVICE ENGINEER	HOURS			LABOR AMOUNT	EQUIPMENT RENTAL										
		ST	OT	DT												
10/7/2020	Travis Loruss	8	2		\$990.00	CARTAGE										
10/7/2020	Taylor Kubik	8	2		\$990.00	MATERIAL		\$100.00								
10/7/2020	Mark Kowalski	8			\$720.00	FED REFRIG FEE										
					\$0.00	TAX										
					\$0.00	VEH/TOOL ALLOW		2 \$150.00								
					\$0.00	TOTAL LABOR		\$2,700.00								
					\$0.00											
					\$0.00	TOTAL		\$2,950.00								
TERMS NET 10 DAYS.					NOTE: A DELIQUENCY CHARGE OF 1-1/2% PER MONTH (BUT NOT IN EXCESS OF THE LAWFUL MAXIMUM) ON ANY AMOUNT 60 DAYS IN ARREARS IF NOT RECEIVED PRIOR TO THE NEXT MONTHLY BILLING DATE AND THEREAFTER ON ALL AMOUNTS 60 DAYS OR MORE IN ARREARS UNTIL PAID.					CUSTOMERS SIGNATURE						
										SERVICEMAN SIGNATURE						
										M. Kowalski						
										COMPLETE						
										INCOMPLETE						

CSM Mechanical, LLC

**7400 Hickory Valley Dr.
Fenton, MI 48430**

Invoice

Date	Invoice #
10/21/2020	2020-0002.3

Bill To
Oakland County WRC One Public Works Drive Building 95 West Waterford, MI 48328

Ship To
Northeast Sewage Pumping Station 11001 East State Fair Ave Detroit, MI 48205

82912 - 149090 - 730660 - 5817 - Ch. 21 - v# 15750 - exp. 6/28/22 - li# 42697

P.O. No.	Due Date	Project
5817	11/20/2020	2020-0002

[illegible]

	Total		\$22,549.11
WE ACCEPT MASTER CARD, VISA, AND DISCOVER CARD	Payments/Credits		
“Relentlessly Helping Our Customers Achieve Success by Being an Integral, Caring and Innovative Mechanical Solutions Provider.”			\$0.00
	Balance Due	\$22,549.11	

INVOICE DATE: OCTOBER 21, 2020
 INVOICE NO.: 1521075

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

ATTN: JOHN BASCH

CLIENT/MATTER NO.: 012840-00424

82912 - 149997 - 731073 - 5089 - 1-3020 - Ch. 21 v# 4978 4/30/22

RE: REVISION OF OAKLAND COUNTY PURCHASE ORDER FOR MISCELLANEOUS WORK

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH SEPTEMBER 30, 2020

USD

TOTAL FEES CURRENT INVOICE	\$	4,760.00
TOTAL CURRENT INVOICE	\$	4,760.00

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF OCTOBER 21, 2020

<u>INVOICE</u>	<u>DATE</u>	<u>BILLED VALUE</u>	<u>PAYMENTS</u>	<u>OUTSTANDING</u>
1512133	09/21/20	1,155.00	(0.00)	1,155.00
TOTAL OUTSTANDING FROM PRIOR INVOICES				\$ 1,155.00
TOTAL AMOUNT DUE				\$ 5,915.00

MK 10/22/20

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

Invoice

82912 - 149090 - 730660 - 5820 - Ch. 21 v# 22875 exp. 6/28/22

Delivery Address		Information	
Great Lakes Water Authority 11001 E State Fair St Detroit MI 48234		Document No.	154383945
		Document Date	10/28/2020
		Agreement No.	1-90247870763
		Contract Number	0150827968
		Customer PO	Contract 005820
		Customer Contact	Joel Brown
		Customer No.	1816160
Invoice Address		Terms of Payment / Delivery	
Oakland Macomb Interceptor Drain Drainage District Acct: 730660 1 Public Works Drive Fund: 82912 Program: 149090 Waterford MI 48328-1907		Terms of Delivery	FCA PLANT OF ORIGIN
		Terms of Payment	15 days net
		Due Date	11/12/2020
Invoice Details			
Thank you for choosing Konecranes to Lift Your Business.			
Please don't forget to check out the customer portal at www.yourKONECRANES.com !			
Item	Material Description	Quantity	Unit price USD
10	October 2020 Inspection 10/23/20 - Performed Mainman Assessment w/Routine Maintenance SR #1-92285668975		1,392.00
	Invoice Value		1,392.00
	Sales Tax		0.00
	Invoice Total		1,392.00

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

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

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



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

INVOICE NO. 1811-21

DATE: October 6, 2020

METCO PROJECT NO. 1811

INVOICE PERIOD: thru 9/27/2020

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: NESPS Operation and Maintenance

Task 3.2 - Operational Plan

Task 3.2A - OMID Operations - Fund 82912, Program 149130, Account 730373

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	0.0	\$ 145.00	\$ -
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal Task 3.2A:				\$ -

Task 3.2B - NEPS Operations - Fund 82912, Program 149090, Account 730373

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	55.0	\$ 145.00	\$ 7,975.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Rosana Santos	Administrative Assoc.	2.0	\$ 73.79	\$ 147.58
Subtotal Task 3.2B:				\$ 9,842.58
Subtotal 3.2:				\$ 9,842.58

Task 4.0 - Maintenance & Asset Management

Task 4.3A OMID Maintenance – Fund 82912, Program 149130, Account 730646

Terry Moore	Operations Manager	4.0	\$ 145.00	\$ 580.00
Anthony Vozza	Staff Engineer	0.0	\$ 90.00	\$ -
Subtotal Task 4.3A:				\$ 580.00

Task 4.3B NEPS Maintenance – Fund 82912, Program 149090, Account 730646

Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	60.0	\$ 145.00	\$ 8,700.00
Terry Moore	Operations Manager (Overtime)	8.0	\$ 195.00	\$ 1,560.00

Daniel Martel	Sr. Project Coordinator	2.0	\$	145.00	\$	290.00
Sean Grant	Sr. Project Engineer	0.0	\$	145.00	\$	-
Darrin Green	Staff Engineer	146.5	\$	90.00	\$	13,185.00
Darrin Green	Staff Engineer-(Overtime)	13.5	\$	135.00	\$	1,822.50
Anthony Vozza	Staff Engineer	128.0	\$	90.00	\$	11,520.00
Anthony Vozza	Staff Engineer-(Overtime)	9.0	\$	135.00	\$	1,215.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal:					\$	40,012.50
Maintenance Services (see attached invoices):					\$	3,532.33
Subtotal Task 4.3B					\$	43,544.83
Subtotal 4.3:					\$	44,124.83

Task 6.0 NEXGEN Asset Management Implementation Services – Fund 82912, Program 149090, Account 730646

Raj Vijayendran, PE	Principal Engineer	0.0	\$	215.00	\$	-
Terry Moore	Operations Manager	1.0	\$	145.00	\$	145.00
Terry Moore	Operations Manager (Overtime)	0.0	\$	195.00	\$	-
Sean Grant	Sr. Project Engineer	15.0	\$	145.00	\$	2,175.00
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	152.0	\$	90.00	\$	13,680.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal 6.0:					\$	16,000.00
TOTAL AMOUNT DUE THIS INVOICE:					\$	69,967.41



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

INVOICE NO. 1811-22

DATE: November 4, 2020

METCO PROJECT NO. 1811

INVOICE PERIOD: thru 10/31/2020

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: NESPS Operation and Maintenance

Task 3.2 - Operational Plan

Task 3.2A - OMID Operations - Fund 82912, Program 149130, Account 730373

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	4.0	\$ 215.00	\$ 860.00
Terry Moore	Operations Manager	19.0	\$ 145.00	\$ 2,755.00
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal Task 3.2A:				\$ 3,615.00

Task 3.2B - NEPS Operations - Fund 82912, Program 149090, Account 730373

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	54.0	\$ 145.00	\$ 7,830.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Rosana Santos	Administrative Assoc.	2.0	\$ 73.79	\$ 147.58
Subtotal Task 3.2B:				\$ 9,697.58
Subtotal 3.2:				\$ 13,312.58

Task 4.0 - Maintenance & Asset Management

Task 4.3A OMID Maintenance – Fund 82912, Program 149130, Account 730646

Terry Moore	Operations Manager	36.0	\$ 145.00	\$ 5,220.00
Anthony Vozza	Staff Engineer	0.0	\$ 90.00	\$ -
Subtotal Task 4.3A:				\$ 5,220.00

Task 4.3B NEPS Maintenance – Fund 82912, Program 149090, Account 730646

Raj Vijayendran, PE	Principal Engineer	8.0	\$	215.00	\$	1,720.00
Terry Moore	Operations Manager	64.0	\$	145.00	\$	9,280.00
Terry Moore	Operations Manager (Overtime)	23.0	\$	195.00	\$	4,485.00
Daniel Martel	Sr. Project Coordinator	16.0	\$	145.00	\$	2,320.00
Sean Grant	Sr. Project Engineer	0.0	\$	145.00	\$	-
Shailesh Patel	Sr. Project Engineer	26.0	\$	145.00	\$	3,770.00
Darrin Green	Staff Engineer	156.0	\$	90.00	\$	14,040.00
Darrin Green	Staff Engineer-(Overtime)	24.0	\$	135.00	\$	3,240.00
Anthony Vozza	Staff Engineer	200.0	\$	90.00	\$	18,000.00
Anthony Vozza	Staff Engineer-(Overtime)	16.0	\$	135.00	\$	2,160.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-

Subtotal: \$ 59,015.00**Maintenance Services (see attached invoices): \$ 9,082.09****Subtotal Task 4.3B \$ 68,097.09****Subtotal 4.3: \$ 73,317.09****Task 6.0 NEXGEN Asset Management Implementation Services – Fund 82912, Program 149090, Account 730646**

Raj Vijayendran, PE	Principal Engineer	0.0	\$	215.00	\$	-
Terry Moore	Operations Manager	2.0	\$	145.00	\$	290.00
Terry Moore	Operations Manager (Overtime)	0.0	\$	195.00	\$	-
Sean Grant	Sr. Project Engineer	25.0	\$	145.00	\$	3,625.00
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	200.0	\$	90.00	\$	18,000.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-

Subtotal 6.0: \$ 21,915.00**TOTAL AMOUNT DUE THIS INVOICE: \$ 108,544.67**

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

PHONE (313) 921-5300 FAX (313) 921-5310

"AN EQUAL OPPORTUNITY EMPLOYER"

82912 - 149090 - 730660 - 5469 - Ch. 21 V#7755**Exp 7/30/21****LI# 41132**

INVOICE

OMID
ONE PUBLIC WORKS DRIVE, BUILDING 95
WATERFORD, MI 48328-

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	10/28/2020	10/29/2020	93288

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	CONTROL STRUCTURE AUTOMATIC GATE CLOSURE & HYDRAULIC PRESSURE SENSORS	\$17,436.00	-	\$17,436.00	\$17,436.00	-	-
	Totals:	\$17,436.00		\$17,436.00	\$17,436.00		
	Less Retained:			-			
	Invoice Total:			\$17,436.00			

AUTOMATIC GATE CLOSURE LOGIC & PROGRAMMING

HYDRAULIC PRESSURE SENSOR INSTALLATION & PROGRAMMING

TM 10-29-20

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

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82912 - 149090 - 730660 - 5469 - Ch. 21 V#7755**Exp 7/30/21****LI# 41132**

INVOICE

OMID
ONE PUBLIC WORKS DRIVE, BUILDING 95
WATERFORD, MI 48328-

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	10/1/2020	10/29/2020	93289

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	WIND MONITOR INSTALLATION	\$10,852.47	-	\$10,852.47	\$10,852.47	-	-
Totals:		\$10,852.47		\$10,852.47	\$10,852.47		
Less Retained:				-			
Invoice Total:				\$10,852.47			

WIND MONITOR INSTALLATION

TM 10-29-2020

complete electrical construction

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**82912 - 149090 - 730660 - 5469 - Ch. 21 V#7755 Exp 7/30/21
LI# 41132**

INVOICE

OMID
ONE PUBLIC WORKS DRIVE, BUILDING 95
WATERFORD, MI 48328-Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
921567	0	001	10/23/2020	10/30/2020	93305

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$154.00	-	\$154.00	\$154.00	-	-
Totals:		\$154.00		\$154.00	\$154.00		
Less Retained:				-			
Invoice Total:				\$154.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

TM 11-2-2020

WORK COMPLETED 10/23/2020

complete electrical construction

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**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

PHONE (313) 921-5300 FAX (313) 921-5310

"AN EQUAL OPPORTUNITY EMPLOYER"

82912 - 149090 - 730660 - 5469 - Ch. 21 V#7755 Exp 7/30/21
LI# 41132

INVOICE

OMID
ONE PUBLIC WORKS DRIVE, BUILDING 95
WATERFORD, MI 48328-Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
921567	0	001	10/19/2020	10/30/2020	93306

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$308.00	-	\$308.00	\$308.00	-	-
Totals:		\$308.00		\$308.00	\$308.00		
Less Retained:				-			
Invoice Total:				\$308.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

TM 11-2-2020

WORK PERFORMED 10/19/2020

complete electrical construction

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**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

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DETROIT, MI 48213-1151

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"AN EQUAL OPPORTUNITY EMPLOYER"

**82912 - 149090 - 730660 - 5469 - Ch. 21 V#7755 Exp 7/30/21
LI# 41132**

INVOICE

OMID
ONE PUBLIC WORKS DRIVE, BUILDING 95
WATERFORD, MI 48328-Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
921567	0	001	10/15/2020	10/30/2020	93307

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$269.50	-	\$269.50	\$269.50	-	-
Totals:		\$269.50		\$269.50	\$269.50		
Less Retained:				-			
Invoice Total:				\$269.50			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICES

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

TM 11-2-2020

WORK PERFORMED 10/15/2020

complete electrical construction

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**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

PHONE (313) 921-5300 FAX (313) 921-5310

"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

**82912 - 149090 - 730660 - 5469 - Ch. 21 V#7755 Exp 7/30/21
LI# 41132**OMID
ONE PUBLIC WORKS DRIVE, BUILDING 95
WATERFORD, MI 48328-Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	1/28/2020	11/2/2020	93315

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESPS FLOW CONTROL IMPROVEMENTS	\$25,000.00	-	\$25,000.00	\$25,000.00	-	-
Totals:		\$25,000.00		\$25,000.00	\$25,000.00		
Less Retained:				-			
Invoice Total:				\$25,000.00			

TM

11-5-2020

OMID NORTHEAST SANITARY PUMP STATION (NESPS)

FLOW CONTROL IMPROVEMENTS

complete electrical construction

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



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

82912-149662-1-2842-731906-STD-omid ch. 21 - 2603 V: 4716-LI#24138 Exp: 12/31/21

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

**Invoice # : 5
Project : 61-200209
Invoice Group : HSM/CSE
Invoice Date : 11/4/2020**

Attention: Sid Lockhart

For Professional Services Rendered from 9/26/2020 - 10/23/2020

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

Task 01	Health and Safety Manual	\$33,428.00
Task 02	Crane Support Evaluation	\$14,359.00
	Preliminary Budget Amount	\$47,787.00
	Percent Complete:	45.38%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	261.52	\$ 4,664.42
Overhead %	188.00 \$	491.66	8,769.11
Total Regular Labor Expense		753.18	13,433.53
Premium Labor Cost		0	0
Total Direct Labor		753.18	13,433.53
Profit / Fixed Fee %	12.00	90.38	1,612.02
Direct Expenses Charge		0.00	3,194.86
Expense Multiplier %	5.00	0.00	159.75
Direct Subcontractor Charge		0.00	3,100.00
Subcontractor/Subconsultant Multiplier %	6.00	0.00	186.00
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		0.00	6,640.61
Total Costs:		843.56	21,686.16
Total Due This Invoice	\$	843.56	\$ 21,686.16

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

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

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



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

82912 - 149667 - 731444 - 2603 1-3019 - Ch. 21 - engcon v#4716 exp. 12/31/21
li# 42499

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

Invoice # : 7
Project : 61-190439
Invoice Group : CS9
Invoice Date : 11/4/2020

Attention: Sid Lockhart

For Professional Services Rendered from 9/26/2020 - 10/23/2020

Provide engineering services for the design of a new hydraulic control gate to be installed in the existing OMID Control Structure No. 9(CS-9).

Task 01 Gate Design \$189,426.00

Preliminary Budget Amount \$189,426.00
Percent Complete: 89.91%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 1,539.01	\$ 16,590.63
Overhead %	188.00	2,893.34	31,190.39
Total Regular Labor Expense		4,432.35	47,781.02
Premium Labor Cost		0	0
Total Direct Labor		4,432.35	47,781.02
Profit / Fixed Fee %	12.00	531.88	5,733.71
Direct Expenses Charge		0.00	241.55
Expense Multiplier %	5.00	0.00	12.10
Direct Subcontractor Charge		6,387.04	109,945.47
Subcontractor/Subconsultant Multiplier %	6.00	383.22	6,596.74
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		6,770.26	116,795.86
Total Costs:		11,734.49	170,310.59
Total Due This Invoice		\$ 11,734.49	\$ 170,310.59

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

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

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



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

82912 - 149667 - 730639 - 2603 - 1-3019 - Ch. 21 - engcon v# 4716 exp. 12/31/21

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

Invoice # : 17
Project : 61-190078
Invoice Group : NI-EA
Invoice Date : 11/4/2020

Attention: Sid Lockhart

For Professional Services Rendered from 9/26/2020 - 10/23/2020

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: 68.37%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 10,180.83	\$ 237,983.00
Overhead %	188.00	19,139.96	447,408.07
Total Regular Labor Expense		29,320.79	685,391.07
Premium Labor Cost		0	0
Total Direct Labor		29,320.79	682,009.08
Profit / Fixed Fee %	12.00	3,518.49	82,246.93
Direct Expenses Charge		110.00	22,694.33
Expense Multiplier %	5.00	5.50	1,134.77
Direct Subcontractor Charge		24,167.90	720,052.63
Subcontractor/Subconsultant Multiplier %	6.00	1,450.09	43,203.26
Direct Unit Rate Charge		0	0
Total Other Direct Charges Reimbursables		25,733.49	787,084.99
Total Costs:		58,572.77	1,554,722.99
Total Due This Invoice		\$ 58,572.77	\$ 1,554,722.99

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

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

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



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

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

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

Invoice # : 21
Project : 61-190044
Invoice Group : REPAIRS
Invoice Date : 11/4/2020

Attention: Sid Lockhart

For Professional Services Rendered from

09/26/2020 - 10/23/2020

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)		\$ 1,605.72	\$ 25,716.41
Overhead %	188.00	3,018.75	48,346.84
Total Regular Labor Expense		4,624.47	74,063.25
Premium Labor Cost		0	0
Total Direct Labor		4,624.47	74,063.25
Profit / Fixed Fee %	12.00	554.94	8,887.59
Direct Expenses Charge		45.30	375.38
Expense Multiplier %	5.00	2.26	68.77
Direct Subcontractor Charge		0.00	9,301.50
Subcontractor/Subconsultant Multiplier %	5.00	0.00	465.12
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		47.56	10,210.77
Total Costs:		5,226.97	93,161.61
Total Due This Invoice		\$ 5,226.97	\$ 93,161.61

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

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

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



TECHNOLOGIES

28294 Beck Road Wixom, MI 48393

800-419-5199 FAX (248) 374-6402

www.PMTech.org

Invoice

Date Invoice #

8/11/2020 0000141535

82912-149090-730660 Contract# 5821 V#238 Exp 6/28/22 LI# 42705

Bill To:

County Of Oakland
A Michigan Constitutional Corp
2100 Pontiac Lake Road
Waterford MI 48328

Site Address:

Main Tab

PO Number		Terms	Make	Model	Serial Number
contract PO		NET 30 DAYS			
KW		PM Tech's Other Locations		A LATE FEE of 1.5% per month, 18% per year, of the unpaid balance unpaid balance will be added to past due amounts	Remit To: 28294 Beck Road Wixom, MI 48393
		2385 Wilshire Drive Jenison, MI 49428 1695 Dalton Drive New Carlisle, OH 45344			

DESCRIPTION	QTY	PRICE EACH	AMOUNT
SP-001 Tank Inspection - Main Tanks	2.00	1,450.00	2,900.00
SP-001 Tank Inspection - Day Tanks	3.00	250.00	750.00

TM

10-26-2020

Visa, Master Card, Discover or American Express 3% credit card processing fee will be added	Subtotal	\$3,650.00
Sign: _____ Inv # _____ Card #: _____ Exp Date: _____ Security Code: _____	Sales Tax	\$0.00
	Balance Due	\$3,650.00
	This Invoice is for the Services mentioned above only, if other repair work was completed it will be invoiced separately.	

Conditions of Sale and Limitations of Liability are on back of invoice.

Warranty Disclaimer: parts and labor not covered by the

manufactures written warranty are the owner's responsibility to reimburse PM Technologies for reasonable costs incurred.



28294 Beck Road Wixom, MI 48393
800-419-5199 FAX (248) 374-6402
www.PMTech.org

Invoice

Date 10/8/2020 Invoice # 0000143239

82912-149090-730660 Contract# 5821 V#238 Exp 6/28/22 LI# 42705

Bill To:

County Of Oakland
A Michigan Constitutional Corp
2100 Pontiac Lake Road
Waterford MI 48328

Site Address:

Northeast Sewage Pumping Station - Generator
3
11001 East State Fair
Detroit MI 48234

PO Number		Terms	Make	Model	Serial Number
Contract		NET 30 DAYS	CAT/KATO	A269500000	13669-03
KW	PM Tech's Other Locations			A LATE FEE of 1.5% per month, 18% per year, of the unpaid balance unpaid balance will be added to past due amounts	Remit To: 28294 Beck Road Wixom, MI 48393
1825	2385 Wilshere Drive Jenison, MI 49428 1695 Dalton Drive New Carlisle, OH 45344				

DESCRIPTION	QTY	PRICE EACH	AMOUNT
Quote 131165	1.00		
Technician travel and labor for the above services (includes two technicians) - Travel labor has been split equally across the three generators.	1.00	1,000.00	1,000.00
DEGREASER,1 GAL	5.00	49.19	245.95
9/25/2020	TM	10-26-20	

Visa, Master Card, Discover or American Express 3% credit card processing fee will be added	Subtotal	\$1,245.95
Sign: _____ Inv # _____	Sales Tax	\$0.00
Card #: _____	Balance Due	\$1,245.95
Exp Date: _____ Security Code: _____	This Invoice if for the Services mentioned above only, if other repair work was completed it will be invoiced separately.	

Conditions of Sale and Limitations of Liability are on back of invoice.
manufactures written warranty are the owner's responsibility to reimburse PM Technologies for reasonable costs incurred.

Warranty Disclaimer: parts and labor not covered by the



28294 Beck Road Wixom, MI 48393
800-419-5199 FAX (248) 374-6402
www.PMTech.org

Invoice

Date	Invoice #
10/8/2020	0000143240

82912-149090-730660 Contract# 5821 V#238 Exp 6/28/22 LI# 42705

Bill To:

**County Of Oakland
A Michigan Constitutional Corp
2100 Pontiac Lake Road
Waterford MI 48328**

Site Address:

**Northeast Sewage Pumping Station - Generator
2
11001 East State Fair
Detroit MI 48234**

PO Number		Terms	Make	Model	Serial Number
Contract		NET 30 DAYS	CAT/KATO	A269500000	13669-04
KW	PM Tech's Other Locations			A LATE FEE of 1.5% per month, 18% per year, of the unpaid balance unpaid balance will be added to past due amounts	Remit To: 28294 Beck Road Wixom, MI 48393
1825	2385 Wilshire Drive Jenison, MI 49428 1695 Dalton Drive New Carlisle, OH 45344				

DESCRIPTION	QTY	PRICE EACH	AMOUNT
Quote 131164			
Technician travel and labor for the above services (includes two technicians) - Travel labor has been split equally across the three generators.	1.00	1,000.00	1,000.00
DEGREASER,1 GAL	5.00	49.19	245.95
9/25/2020			
<div style="text-align: right;"> <i>TM</i> 10-26-20 </div>			

Visa, Master Card, Discover or American Express 3% credit card processing fee will be added	Subtotal	\$1,245.95
Sign: _____ Inv # _____ Card #: _____ Exp Date: _____ Security Code: _____	Sales Tax	\$0.00
	Balance Due	\$1,245.95
	This Invoice is for the Services mentioned above only, if other repair work was completed it will be invoiced separately.	

Conditions of Sale and Limitations of Liability are on back of invoice.
manufactures written warranty are the owner's responsibility to reim

Warranty Disclaimer: parts and labor not covered by the



28294 Beck Road Wixom, MI 48393
800-419-5199 FAX (248) 374-6402
www.PMTech.org

Invoice

Date	Invoice #
10/8/2020	0000143705

82912-149090-730660 Contract# 5821 V#238 Exp 6/28/22 LI# 42705

Bill To:

**County Of Oakland
A Michigan Constitutional Corp
2100 Pontiac Lake Road
Waterford MI 48328**

Site Address:

**Northeast Sewage Pumping Station - Generator
1
11001 East State Fair
Detroit MI 48234**

PO Number		Terms	Make	Model	Serial Number
Contract		NET 30 DAYS	CAT/KATO	A269500000	13669-05
KW	PM Tech's Other Locations			A LATE FEE of 1.5% per month, 18% per year, of the unpaid balance unpaid balance will be added to past due amounts	Remit To: 28294 Beck Road Wixom, MI 48393
1825	2385 Wilshire Drive Jenison, MI 49428 1695 Dalton Drive New Carlisle, OH 45344				

DESCRIPTION	QTY	PRICE EACH	AMOUNT
0000131162			
Technician travel and labor for the above services (includes two technicians) - Travel labor has been split equally across the three generators.	1.00	1,000.00	1,000.00
DEGREASER,1 GAL	5.00	49.19	245.95
9/25/2020	<i>TM</i>	10-26-20	

Visa, Master Card, Discover or American Express 3% credit card processing fee will be added	Subtotal	\$1,245.95
Sign: _____ Inv # _____ Card #: _____ Exp Date: _____ Security Code: _____	Sales Tax	\$0.00
	Balance Due	\$1,245.95
	This Invoice is for the Services mentioned above only, if other repair work was completed it will be invoiced separately.	

Conditions of Sale and Limitations of Liability are on back of invoice.
manufactures written warranty are the owner's responsibility to reim

Warranty Disclaimer: parts and labor not covered by the



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

November 4, 2020

Invoice No: 03559.01-5

**82912 - 149667 - 731444 - 5158 - 1-3020 - Ch. 21 -
engcon - v#16918 - exp 6/20/22**

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from October 1, 2020 to October 31, 2020

Professional Personnel

		Hours	Rate	Amount	
Zann, John		45.00	94.00	4,230.00	
	Totals	45.00		4,230.00	
	Total Labor				4,230.00
Additional Fees					
Overhead		149.10 % of 4,230.00		6,306.93	
Profit		10.00 % of 10,536.93		1,053.69	
	Total Additional Fees			7,360.62	7,360.62
Billing Limits					
		Current	Prior	To-Date	
Total Billings		11,590.62	26,529.66	38,120.28	
Limit				450,000.00	
Remaining				411,879.72	
Total this Invoice					\$11,590.62

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. 10

Proposed 2021 Meeting Dates



Proposed

Oakland-Macomb Interceptor Drain 2021 Meeting Schedule

The following meetings will convene at 11:30 a.m. in the office of the Oakland County Water Resources Commissioner, Public Works Building, One Public Works Drive, Waterford, Michigan and/or virtually as provided by law due to the ongoing COVID-19 pandemic:

January 20, 2021
February 17, 2021
March 17, 2021

April 21, 2021
May 19, 2021
June 16, 2021

The following meetings will convene at 11:30 a.m. in the office of the Macomb County Public Works Office, 21777 Dunham Road, Clinton Township, Michigan and/or virtually as provided by law due to the ongoing COVID-19 pandemic:

July 21, 2021
August 18, 2021
September 15, 2021

October 20, 2021
November 17, 2021
December 15, 2021



Agenda Item No. 11

Other Business

Agenda Item No. 12

Adjourn