

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

May 18, 2022 – 11:30 a.m.

Office of the Oakland County Water Resources Commissioner
One Public Works, Building 95 West
Waterford, Michigan, and Microsoft Teams

1. Call meeting to order

Board Members:

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

2. Motion to approve the meeting agenda for May 18, 2022
3. Motion to approve the Drainage District Board Meeting Minutes from April 20, 2022
4. Public Comment
5. GLWA/Highland Park Litigation – Closed Session as permitted under section 8(h) of the Open Meetings Act and which is exempt from public disclosure as subject to the attorney-client privilege pursuant to section 13(1)(g) of the Freedom of Information Act
6. OMID Odor and Corrosion Control Design Budget and Project Creation
7. Motion to approve the following Engineering Work Orders:
 - a) ASI for Design of the OMID Flow Control Structure Rehabilitation Project and Approval of Design Budget
8. Motion to approve the following Change Orders:
 - a) Walsh Construction Change Order No. 22 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$49,846.33
9. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No.19 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$1,263,378.00 with a transfer to the Oakland County Treasurer in the amount of \$139,301.82
 - b) Construction Estimate No.14 for Marra Services for NI-EA Contract No. One for PCI 4 Rehabilitation in the amount of \$689,624.00
 - c) Final Construction Estimate No. 41 for Inland Waters Pollution Control, Inc. for OMID Segment 2, Contract 3 in the amount of \$907.96

- d) Final Construction Estimate No. 20 for Inland Waters Pollution Control Inc. for OMID Segment 2, Contract 3 – Emergency Gatehouse Repairs in the amount of \$6,718.58

10. Report/Update – Status of OMID Repairs Project

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

12. Motion to approve the following invoices:

a)	Reimbursement of Oakland County WRC-Incurred Expenses and Costs		
1)	Labor/Fringes/Non-Direct Labor Factor		
	• Segment 5 NI-EA Construction		\$ 12,581.90
	• Segment 5 NESPS Mech./Elect. Construction		\$ 29,521.82
2)	Equipment Charges		
	• Segment 5 NI-EA Construction		\$ 388.89
	• Segment 5 NESPS Mech./Elect. Construction		\$ 2,360.25
b)	ASI		
	Invoice No. 39-8118	NESPS	\$ 81,929.72
c)	CH2M		
	Invoice No. 705773CH038-09	O&M	\$ 1,190.42
d)	Clark Hill		
1)	Invoice No. 1194098	NI-EA	\$ 297.00
2)	Invoice No. 1194100	NI-EA	\$ 918.00
e)	CSM		
	Invoice No. 21OMIDD-017	O&M	\$ 2,469.67
f)	Hesco		
1)	Invoice No. 2213585	O&M	\$ 3,815.00
g)	Kennedy Industries		
1)	Invoice No. 628439	O&M	\$ 858.00
2)	Invoice No. 629779	O&M	\$ 1,089.00
3)	Invoice No. 630060	O&M	\$ 1,160.50
4)	Invoice No. 630563	O&M	\$ 393.00
5)	Invoice No. 630924	O&M	\$ 10,485.20
h)	Metco		
1)	Invoice No. 1811-40	O&M	\$ 78,135.01
i)	Motor City Electric Company		
1)	Invoice No. 94396	O&M	\$ 2,036.26
2)	Invoice No. 94403	O&M	\$ 90.00
3)	Invoice No. 94404	O&M	\$ 90.00
4)	Invoice No. 94405	O&M	\$ 90.00
5)	Invoice No. 94412	O&M	\$ 327.48
6)	Invoice No. 94419	O&M	\$ 342.00
7)	Invoice No. 94420	O&M	\$ 446.35
j)	NTH Consultants, Ltd		
1)	Supplementary Support Services at NESPS Invoice No. 629360	O&M	\$ 10,686.72
2)	Consulting Services for System Inspect. Invoice No. 629358	O&M	\$ 1,438.80

3)	Contract No. 1 PCI-4		
	Invoice No. 629355	NI-EA	\$ 100,353.03
4)	NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4		
	Invoice No. 629354	NI-EA	\$ 4,390.07
5)	Eng./Consult. Services NESPS CMT		
	Invoice No. 629357	NESPS	\$ 977.55
6)	Rehabilitation Program 2021 Closeout Services		
	Invoice No. 629359	O&M	\$ 3,215.62
k)	PM Technologies		
1)	Invoice No. 165277	O&M	\$ 875.10
2)	Invoice No. 165278	O&M	\$ 875.10
3)	Invoice No. 165802	O&M	\$ 2,895.00
4)	Invoice No. 165803	O&M	\$ 2,895.00
5)	Invoice No. 165842	O&M	\$ 2,895.00
6)	Invoice No. 165276	O&M	\$ 1,002.60
l)	PMA Consultants		
1)	Invoice No. 3559.01-23	NI-EA	\$ 13,393.61
m)	Rotor Electric Company		
1)	Invoice No. 12502	O&M	\$ 3,716.20
2)	Invoice No. 12503	O&M	\$ 5,242.56
3)	Invoice No. 12504	O&M	\$ 2,367.50
4)	Invoice No. 12511	O&M	\$ 2,466.00
5)	Invoice No. 12512	O&M	\$ 2,466.00
6)	Invoice No. 12513	O&M	\$ 7,124.00
7)	Invoice No. 12514	O&M	\$ 7,124.00
8)	Invoice No. 12515	O&M	\$ 7,946.00
9)	Invoice No. 12516	O&M	\$ 3,033.62
10)	Invoice No. 12517	O&M	\$ 14,465.35

13. Other Business

14. Adjourn

Next Regular Meeting: June 15, 2022, 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from April 20, 2022

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

April 20, 2022

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held at the office of the Oakland County Water Resources Commissioner, One Public Works Drive, Building 95 West, Waterford, Michigan on the 20th day of April at 11:30 a.m. Eastern Standard Time and via Microsoft Teams.

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, Norb Franz, and Bruce Manning. Representing the office of the Oakland County Water Resources Commissioner: Anne Vaara, Steve Korth, Brian Coburn, Sid Lockhart, Joel Brown, Megan Koss, and Stephanie Lajdziak. Others in attendance: Fritz Klingler, FK Engineering; Terry Moore, Metco; Shawn Phelps, OC Fiscal Services; Dave Pauline, Walsh Construction

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:30 a.m.

2. Agenda.

Joel Brown advised the Board that Final Construction Estimate No. 41 for Inland Waters Pollution Control, Inc. for OMID Segment 2, Contract 3 and Final Construction Estimate No. 20 for Inland Waters Pollution Control Inc. for OMID Segment 2, Contract 3 – Emergency Gatehouse Repairs will not be presented to the Board at this time. Motion by Miller, supported by Nash, to amend the April 20, 2022 agenda as presented.

ADOPTED: Yeas - 3
Nays - 0

3. Minutes.

Motion by Nash, supported by Miller, to approve the minutes of the March 16, 2022, meeting.

ADOPTED: Yeas - 3
Nays - 0

4. Public Comment.

None.

5. GLWA/Highland Park Litigation.

Commissioner Miller provided a detailed background on the relationship between Highland Park and the State of Michigan pertaining to the water supply provided to the Highland Park community. As of 2021, Highland Park has ceased payment of their water and sewer bills and is currently 50 million dollars in debt to the Great Lakes Water Authority (GLWA). Due to their non-payment, a portion of this debt has been dispersed to 89 communities located in Macomb, Oakland, and Wayne counties. Commissioner Miller recommended that an amicus brief and resolution on behalf of the Drainage District would be the proper course of action regarding this litigation. Commissioner Nash agreed with the need to address this matter with the State and presented potential concerns of communities withholding payment to GLWA. Anne Vaara stressed the importance of a response from the State and for local government to be transparent with the surrounding communities regarding this issue.

Motion by Miller, supported by Nash, to authorize the Secretary to engage Dickinson Wright in filing an amicus brief in the litigation with GLWA and Highland Park on behalf of the Drainage District.

ADOPTED: Yeas - 3
Nays - 0

6. Engineering Work Order.

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

- a) NTH Engineering Work Order No. D-445 for the Control Structure Investigation for a not-to-exceed amount of \$10,022. Motion by Miller, supported by Nash, to approve the Engineering Work Order as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) ASI Engineering Work Order No. D-446 for the NESPS Pumping and Electrical Upgrades for additional METCO services for a not-to-exceed amount of \$284,079.60 Motion by Miller, supported by Nash, to approve the Engineering Work Order as presented.

ADOPTED: Yeas - 3
Nays - 0

7. Change Order.

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

- a) Walsh Construction Change Order No. 21 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$43,122.99. Motion by Miller, supported by Nash, to approve the Change Order as presented.

ADOPTED: Yeas - 3
Nays - 0

8. Construction Pay Estimates.

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

- a) Construction Estimate No. 18 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$1,546,006.57 with a transfer to the Oakland County Treasurer in the amount of \$171,778.52. Motion by Nash, supported by Miller, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
 Nays - 0

- b) Construction Estimate No. 13 for Marra Services for NIEA Contract No. One for PCI 4 Rehabilitation in the amount of \$797,643.56 with a transfer to the Oakland County Treasurer in the amount of \$53,608.82. Motion by Miller, supported by Nash, to approve the Construction Pay Estimate as presented.

ADOPTED: Yeas - 3
 Nays - 0

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

ADOPTED: Yeas - 3
 Nays - 0

10. Financial Reports.
 Shawn Phelps of OC Fiscal Services presented the financial reports for Segments 1 through 5 and the NESPS. Ms. Phelps advised that the correct amount of total equity in maintenance and construction funds is \$51,919,510.64. Motion by Miller, supported by Nash, to receive and file the financial reports.

ADOPTED: Yeas - 3
 Nays - 0

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

- a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs
- 1) Labor/Fringes/Non-Direct Labor Factor
 - Segment 5 NI-EA Construction \$ 2,861.83
 - Segment 5 NESPS Mech./Elect. Construction \$ 18,374.25
 - 2) Equipment Charges
 - Segment 5 NI-EA Construction \$ 144.58
 - Segment 5 NESPS Mech./Elect. Construction \$ 1,769.90
- b) ASI
 Invoice No. 38 NESPS \$ 82,095.87
- c) CH2M
 Invoice No. 38 O&M \$ 3,842.51
- d) Clark Hill

	1)	Invoice No. 1185359	NI-EA	\$	994.50
	2)	Invoice No. 1185477	NI-EA	\$	2,430.00
	3)	Invoice No. 1185478	O&M	\$	270.00
	4)	Invoice No. 1070310	NI-EA	\$	1,944.00
	5)	Invoice No. 1091359	NI-EA	\$	2,079.00
	6)	Invoice No. 1119387	NI-EA	\$	2,484.00
e)		D'Angelo Brothers			
		Invoice No. 8123-OMID	O&M	\$	13,115.00
f)		Dickinson Wright			
		Invoice No. 1671430	O&M	\$	118.50
g)		Hesco			
	1)	Invoice No. 2213496	O&M	\$	2,742.25
	2)	Invoice No. 2213521	O&M	\$	430.00
h)		Meadowbrook Insurance			
		Invoice No. 84958	NESPS	\$	47,950.43
i)		METCO			
		Invoice No. 1811-39	O&M	\$	78,919.98
j)		Motor City Electric Company			
	1)	Invoice No. 36819	NI-EA	\$	10,200.00
	2)	Invoice No. 93699	O&M	\$	315.00
	3)	Invoice No. 93730	O&M	\$	154.00
	4)	Invoice No. 93731	O&M	\$	216.00
	5)	Invoice No. 93732	O&M	\$	3,096.00
	6)	Invoice No. 93733	O&M	\$	180.00
	7)	Invoice No. 93767	O&M	\$	495.00
	8)	Invoice No. 93768	O&M	\$	4,620.00
	9)	Invoice No. 93770	O&M	\$	90.00
	10)	Invoice No. 93799	O&M	\$	180.00
	11)	Invoice No. 93803	O&M	\$	90.00
	12)	Invoice No. 94071	O&M	\$	846.00
	13)	Invoice No. 94072	O&M	\$	315.00
	14)	Invoice No. 94073	O&M	\$	180.00
	15)	Invoice No. 94153	O&M	\$	180.00
	16)	Invoice No. 94244	O&M	\$	90.00
	17)	Invoice No. 94245	O&M	\$	45.00
	18)	Invoice No. 94321	O&M	\$	90.00
	19)	Invoice No. 94388	O&M	\$	180.00
	20)	Invoice No. 94389	O&M	\$	810.90
k)		NTH Consultants, Ltd			
	1)	Supplementary Support Services at NESPS			
		Invoice No. 3	O&M	\$	9,794.91
	2)	Consulting Services for System Inspect.			
		Invoice No. 8	O&M	\$	3,806.31
	3)	Contract No. 1 PCI-4			
		Invoice No. 16	NI-EA	\$	128,408.46
	4)	NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4			
		Invoice No. 34	NI-EA	\$	12,079.69
	5)	Eng./Consult. Services NESPS CMT			
		Invoice No. 16	NESPS	\$	2,698.70

6)	Rehabilitation Program 2021 Closeout Services			
	Invoice No. 60	O&M	\$	5,053.64
l)	PM Technologies			
	1) Invoice No. 155094	O&M	\$	643.45
	2) Invoice No. 155221	O&M	\$	817.50
	3) Invoice No. 157506	O&M	\$	1,000.00
m)	PMA Consultants			
	1) Invoice No. 03559.01-21	NI-EA	\$	16,484.45
	2) Invoice No. 03559.01-22	NI-EA	\$	12,363.33
n)	Rotor Electric Company			
	1) Invoice No. 12489	O&M	\$	5,325.98
	2) Invoice No. 12490	O&M	\$	3,067.30
	3) Invoice No. 12491	O&M	\$	2,775.00
	4) Invoice No. 12492	O&M	\$	15,201.05
	5) Invoice No. 12493	O&M	\$	994.00
	6) Invoice No. 12494	O&M	\$	994.00
	7) Invoice No. 12495	O&M	\$	4,628.11
	8) Invoice No. 12496	O&M	\$	4,628.11
	9) Invoice No. 12497	O&M	\$	10,155.01

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

ADOPTED: Yeas - 3
Nays - 0

12. Other Business.

Mr. Brown provided an update regarding the NI-EA Contract No. 2 Design and Easement within the City of Detroit. He advised the Board that there is mistrust in government affecting the support of the project from residents and the city council. Mr. Brown expressed his appreciation of support from Detroit Water and Sewer Department and GLWA at the Town Hall meeting on Monday, April 16th. He emphasized that time and open communication are crucial to regain the trust of the Detroit community.

13. Adjourn.

Motion by Nash, supported by Miller, to adjourn the April 20, 2022, meeting at 1:12 p.m.

ADOPTED: Yeas - 3
Nays - 0

Next Regular Meeting: May 18, 2022, at the *Office of the Oakland County Water Resources Commissioner, One Public Works, Building 95 West, Waterford, Michigan* and electronically at 11:30 a.m., Eastern Standard Time.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District, at a meeting held on April 20, 2022 and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes were kept and will be or have been made available to the public as required by the Act.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this 20th day of April, 2022



Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

**GLWA / Highland Park Litigation
CLOSED SESSION**

Agenda Item No. 6

**OMID Odor and Corrosion Control Design Budget
and Project Creation**



Oakland-Macomb Interceptor Drain Drainage District

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

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

**SUBJECT: Approval of Budget and Project Creation for the Design of the OMID Odor
and Corrosion Control Systems Project**

DATE: May 18, 2022

On February 16, 2022 the Board approved award of an Engineering Services Agreement for the "Design of Odor and Corrosion Control Systems Within the OMID System" for a not to exceed amount of \$823,730. Subsequently, the attached design budget has been prepared, which includes Jacobs' design fees, easement fees, permit fees and staff costs, for a total amount of \$1,030,000. There is sufficient funding in the OMID Capital Reserves Fund to facilitate this project. It is anticipated that the construction portion of this work will be bonded. A separate cost estimate will be created once the design has been completed and bids are received. We ask that the OMID Board approve this design budget and authorize the creation of a project for this work.

Requested Action: Approve the attached budget in the amount of \$1,030,000 for the design of OMID Odor and Corrosion Control Systems and authorize a project be created for this work.

**OMID Odor and Corrosion Control Design
Oakland-Macomb Interceptor Drain Drainage District
18-May-22**

		<u>Total Cost</u>
1) Construction (FAC)		
Project Construction Cost (Est)	\$	-
	Sub-Total	\$ -
2) Project Development: Engineering Consulting (ENG CON)		
Jacobs Engineering	\$	823,730
	Sub-Total	\$ 824,000
3) Project Financing & Legal (LEGAL)		
Project Insurance	\$	-
Bond Issuance (Legal)	\$	-
Bond Issuance (Financial Consultant)	\$	-
Bond Ratings	\$	-
Legal Fees (communities contract agreements)	\$	-
	Sub-Total	\$ -
3) Right-of-Way Services (ROW)		
Easement Fees	\$	15,000
Easement Counsel	\$	5,000
Permits	\$	20,000
County Personnel Time	\$	12,204
	Sub-Total	\$ 52,000
4) Exclusive County Services:		
Administration (ADM)	\$	12,740
Public Works (MACOMB)	\$	10,912
Engineering-OCWRC (ENG)	\$	31,362
Construction Inspection (INS)	\$	2,532
Surveying (SUR)	\$	2,726
O&M/Equipment-MCPW (STD)	\$	-
O&M/Equipment-OCWRC (STD)	\$	-
Startup and Training/Corrections-MCPW/OCWRC (STD)	\$	-
	Sub-Total	\$ 60,000
5) Subtotal:	\$	936,000
6) Contingency (10%)	\$	94,000
Total Design Cost	\$	1,030,000

7) CVT Shares/Allocation: Capital Reserves

I hereby certify the period of usefulness of these facilities to be thirty (30) years and upwards.

By: _____
Joel Brown, P.E.
Project Engineer

Agenda Item No. 7

Engineering Work Order



Oakland-Macomb Interceptor Drain Drainage District

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

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

**SUBJECT: ASI EWO for Design of the OMID Flow Control Structure Rehabilitation
Project and Approval of Project Design Budget**

DATE: May 18, 2022

As indicated to the Board previously, condition assessments of the Control Structures (CS) 5, CS-6, CS-7 and CS-8 have indicated components are exhibiting corrosion and/or approaching their end of useful life. It is our intention to begin complete replacement and/or refurbishment of gate components by April 2023 as part of an overall control structure upgrades project once the NI-EA PCI-4 Rehabilitation and MID Segment 5 Lining is complete.

We have asked ASI to develop a proposal to facilitate these upgrades as they are our hydraulics engineer and a substantial component of these upgrades is replacement of the hydraulics equipment. ASI has also enlisted the services of METCO for electrical component upgrades and NTH Consultants to assist with contract specifications and administration. ASI's proposal is appended and consists of the following tasks:

1. Alternatives Analysis

Review present components and condition of the existing OMID control structures CS-5, CS-6, CS-7 and CS-8. Assess potential alternatives to existing equipment that would improve performance and reliability while reducing maintenance costs. Such items include, but are not limited to:

- Conversion to radar sensors
- Elimination of the accumulators on the HPU units
- Replacement of HPUs with electrical actuators
- Replacement of existing gates with stainless steel gates

ASI is to develop a report summarizing findings and hold workshops for review.

2. Engineering Design and Bidding

- Prepare 60%, 90% and issued for bid plans and specifications for bidding. The design shall entail upgrading the electrical and mechanical aspects of the control structures as well as the existing bulkhead gate and sluice gate(s). Hold review workshops for comment and discussion at each phase.
- Assist the OMIDDD with securing any necessary permits to complete the work.
- Ensure existing flow control parameters are acceptable for the upgraded components.
- Develop a risk registry for the project.

- Prepare bid documents, attend prebid meetings, respond to bidder questions and prepare addenda during the bid as required.
- Prepare a bid tabulation and make recommendation for award.

The associated fees to perform the above tasks are as follows:

1. Alternative Analysis:	\$63,275
2. Engineering Design:	\$157,051
Total:	\$220,326

An Engineering Work Order has been prepared for the above tasks and compensation. ASI is prepared to begin immediately and will have bid documents prepared by early 2023.

In addition, the attached project design budget of \$354,000 has been created for this effort. There are sufficient funds allocated for this cost in the OMID Capital Reserves.

Requested Action: Approve the attached Engineering Work Order to increase ASI contract #5470 by a not-to-exceed amount of \$220,326 for the above services. Further, authorize the creation of a project for this work with a not to exceed budget of \$354,000

OAKLAND COUNTY WATER RESOURCES COMMISSIONER
One Public Works Drive Phone: (248) 858-0958
Waterford, Michigan 48328-1907

No. D-447

ENGINEERING WORK ORDER

FOR: OMID Flow Control Structure Rehabilitation Project Amendment to Contract #5470 For Additional Engineering Design ServicesTO: Applied Science Inc. (ASI)DATE: 4/29/2022

DESCRIPTION

Section A-Engineering Services and Section C Compensation for Engineering Services, Item No. Additional Special Services and Exhibit C – Engineer’s Proposal

This Engineering Work Order (EWO) is required amend contract #5470 to include specific additional tasks and compensation related to the OMID Control Structure Upgrades Project that falls under the aforementioned sections of the contract. This EWO serves as your approval for compensation of the following additional services needed for the project as delineated in your April 7, 2022 proposal:

1. Alternatives Analysis

Review present components and condition of the existing OMID control structures CS-5, CS-6, CS-7 and CS-8. Assess potential alternatives to existing equipment that would improve performance and reliability while reducing maintenance costs. Such items include, but are not limited to:

- Conversion to radar sensors
- Elimination of the accumulators on the HPU units
- Replacement of HPUs with electrical actuators
- Replacement of existing gates with stainless steel gates

Develop a report summarizing findings and hold workshops for review.

2. Engineering Design and Bidding

- Prepare 60%, 90% and issued for bid plans and specifications for bidding. The design shall entail upgrading the electrical and mechanical aspects of the control structures as well as the existing bulkhead gate and sluice gate(s). Hold review workshops for comment and discussion at each phase.
- Assist the OMIDDD with securing any necessary permits to complete the work.
- Ensure existing flow control parameters are acceptable for the upgraded components.
- Develop a risk registry for the project.
- Prepare bid documents, attend prebid meetings, respond to bidder questions and prepare addenda during the bid as required.
- Prepare a bid tabulation and make recommendation for award.

DESCRIPTION (cont'd)

The associated fees to perform the above tasks are as follows:

- 1. Alternative Analysis: \$63,275
- 2. Engineering Design: \$157,051
- Total: \$220,326**

Fees for this Engineering Work Order shall be billed on a time and material basis according to the rate schedules included with the proposal. Subconsultants and expenses are allotted a markup of 5%. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$220,326. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

PREPARED **DATE:** _____

RECOMMENDED **DATE:** _____

By: Joel Brown, P.E.
Project Engineer
OCWRC

By: Stephen Downing
Construction and Maintenance Manager
MCPWO

ACCEPTED **DATE:** _____

APPROVED **DATE:** _____

By: John Michalski, P.E.
Vice President
Applied Science, Inc..

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

Approved by Drainage Board on: _____



Applied Science, Inc.
consulting engineering

300 River Place, Suite 5400
Detroit, Michigan 48207
Phone: 313.567.3990
Fax: 313.567.3750

April 7, 2022

Mr. Joel Brown, P.E.
Chief Engineer – Construction Projects Unit
Oakland County Water Resources Commissioner
One Public Works Drive
Building 95 West
Waterford, Michigan 48328

**Re: Oakland-Macomb Interceptor Drain Drainage District (OMIDDD)
Scope and Estimate for providing OMID Flow Control Structures Improvements**

Dear Mr. Brown,

Thank you for the opportunity for Applied Science, Inc. (ASI) to continue to provide you with engineering services for the above referenced project. It is our understanding that it is the OMIDDD's request to carry out upgrades and improvements to the Mechanical and Electrical/Control components of the existing OMIDDD Control Structures (CS). The CS Structures references are CS-5, CS-6, CS-7 and CS-8. As we know the original structures were designed and constructed under the intent to be temporary facilities. The structures have proved to be essential in continued flow control and flow management activities almost continuously since their commencement. Now that nearly 15 years has passed it time to make repairs and upgrades to bring the structures up to date and reliability for flow control for the next 20 years.

The work scope is mainly based on the assessment reports provided my HESCO and Motor City Electric for the structures. In general, the assessment is to provide full rehab and/or replacement of the mechanical (gates and actuators) and the Electrical/Controls (Conduits, Level Sensors, and some communications). Under this task authorization ASI will review the assessments of the Contractors, provide an independent confirmation of the findings, and prepare documents for the Contractors to Bid and proceed with the work. Prior to the development of the upgrades as presented, ASI will conduct a brief review of the present technology for operations and communications and present an alternative analysis for new equipment that is to be replaced. ASI is including METCO in with this task to provide input and design assistance for the electrical and control upgrades. Additionally, ASI is include NTH Consultants to provide assistance with Contract Specifications.

Accordingly, we have been asked to provide a proposal for design and engineering services needed to carry out the applicable recommendations in the memorandum. The requested services are as follows:

1. Alternative Analysis

ASI will review the present components of the CS facilities and develop potential alternatives to the equipment and could improve performance and/or O&M. A few items within this review will be:

- Change to radar for the level sensors
- Elimination of the accumulators on the HPU units
- Replace the HPU and cylinders with Electric Actuators
- Other changes developed by the team

An alternative analysis report will be developed based on the research and workshops performed with the OMIDDD staff to document the effort in this task.

2. Bidding for Construction

ASI will develop construction documents for the recommended work to proceed. It is our understanding that this work will be Bid out to the general public and all services for general bidding will be conducted..

3. Construction Oversight

Construction oversight will be determined at a later date.

The estimated budget for this requested work is as follows:

Task 1 -	\$61,526
Task 2 -	\$153,143
Task 3 -	TBD

Total Budget Requested: \$214,669

Mr. Joel Brown
OMIDDD
CS Improvements
Page 3 of 3

We are ready to begin on the project upon your authorization to proceed. We look forward to working with you on making this a successful project for both Applied Science, Inc. and the OMID team.

Sincerely,
Applied Science, Inc.

A handwritten signature in black ink, appearing to read "John R. Michalski".

John R. Michalski, P.E.
Vice President

Attachment: ASI and METCO Fee Breakdown

Applied Science, Inc.

Engineering Services for
CS Upgrades

April 7, 2022

Labor Cost by Personnel Category

Task No.	Applied Science, Inc.									
	Senior Project Manager @ \$170.00/hr		Project Manager @ \$155/hr		Staff Engineer @ \$100.00/hr		CADD Draftsman @ \$93.00/hr		Total	
	hrs	\$	hrs	\$	hrs	\$	hrs	\$	hrs	\$
1 - Alternative Analysis	24	4,080	16	2,480	160	16,000	24	2,232	224	24,792
2 - Construction Documents	80	13,600	120	18,600	240	24,000	160	14,880	600	71,080
3 - Construction Oversight - TBD		0		0		0		0	0	0
Total	104	17,680	136	21,080	400	40,000	184	17,112	824	95,872

ASI Estimated Fee Task 1 = \$ 24,792
 METCO Task 1 = \$ 29,985
 NTH Task 1 = \$ 5,000 \$ 61,526

ASI Estimated Fee Task 2 = \$ 71,080
 METCO Task 2 = \$ 63,155
 NTH Task 2 = \$ 15,000 \$ 153,143

ASI Estimated Fee Task 3 = \$ -

ASI Mark up on Subconsultants (5%) = \$ 5,657
 Total = \$ 214,669 \$ 214,669

METCO COST ESTIMATE

	Principal Engineer		Project Manager		QA/QC		Sr. Project Engineer-Elec		Sr. Project Engineer-I&C		Designer/Drafter		Admin.		TOTALS	
	Hr. Rate	\$ 252.00	Hr. Rate	\$ 183.75	Hr. Rate	\$ 262.50	Hr. Rate	\$ 152.25	Hr. Rate	\$ 162.75	Hr. Rate	\$ 101.00	Hr. Rate	\$ 65.00		
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Design Phase																
1.0 Evaluation of Operator Configuration and Workshop	4	\$ 1,008.00		\$ -	2	\$ 525.00	16	\$ 2,436.00	4	\$ 651.00	4	\$ 404.00		\$ -	30	\$ 5,024.00
2.0 Preliminary drawing Submission	4	\$ 1,008.00		\$ -	2	\$ 525.00	40	\$ 6,090.00	40	\$ 6,510.00	40	\$ 4,040.00	8	\$ 520.00	134	\$ 18,693.00
3.0 Review Workshop-I	4	\$ 1,008.00		\$ -		\$ -	4	\$ 609.00	4	\$ 651.00		\$ -		\$ -	12	\$ 2,268.00
4.0 Pre-Final Drawing & spec Sumbittal	8	\$ 2,016.00		\$ -	4	\$ 1,050.00	72	\$ 10,962.00	72	\$ 11,718.00	80	\$ 8,080.00		\$ -	236	\$ 33,826.00
5.0 Review Workshop-II	4	\$ 1,008.00		\$ -		\$ -	4	\$ 609.00	4	\$ 651.00		\$ -		\$ -	12	\$ 2,268.00
6.0 Final drawings & Specification	6	\$ 1,512.00		\$ -	6	\$ 1,575.00	40	\$ 6,090.00	40	\$ 6,510.00	64	\$ 6,464.00		\$ -	156	\$ 22,151.00
8.0 Project Management		\$ -	40	\$ 7,350.00		\$ -		\$ -		\$ -		\$ -	24	\$ 1,560.00	64	\$ 8,910.00
TOTAL FEE - DESIGN PHASE	30	\$ 7,560.00	40	\$ 7,350.00	14	\$ 3,675.00	176	\$ 26,796.00	164	\$ 26,691.00	188	\$ 18,988.00	32	\$ 2,080.00	644	\$ 93,140.00

**OMID Flow Control Structure Rehabilitation Project
Oakland-Macomb Interceptor Drain Drainage District
18-May-22**

		<u>Total Cost</u>	
1) Construction (FAC)			
Project Construction Cost (Est)	\$	-	
	Sub-Total	\$	-
2) Project Development: Engineering Consulting (ENG CON)			
ASI	\$	220,326	
	Sub-Total	\$	220,000
3) Project Financing & Legal (LEGAL)			
Project Insurance	\$	-	
Bond Issuance (Legal)	\$	-	
Bond Issuance (Financial Consultant)	\$	-	
Bond Ratings	\$	-	
Legal Fees (communities contract agreements)	\$	-	
	Sub-Total	\$	-
3) Right-of-Way Services (ROW)			
Easement Fees	\$	15,000	
Easement Counsel	\$	5,000	
Permits	\$	10,000	
County Personnel Time	\$	12,204	
	Sub-Total	\$	42,000
4) Exclusive County Services:			
Administration (ADM)	\$	12,740	
Public Works (MACOMB)	\$	10,912	
Engineering-OCWRC (ENG)	\$	31,362	
Construction Inspection (INS)	\$	2,532	
Surveying (SUR)	\$	2,726	
O&M/Equipment-MCPW (STD)	\$	-	
O&M/Equipment-OCWRC (STD)	\$	-	
Startup and Training/Corrections-MCPW/OCWRC (STD)	\$	-	
	Sub-Total	\$	60,000
5) Subtotal:		\$	322,000
6) Contingency (10%)		\$	32,000
	Total Design Cost	\$	354,000

7) **CVT Shares/Allocation: Capital Reserves**

I hereby certify the period of usefulness of these facilities to be thirty (30) years and upwards.

By: _____
Joel Brown, P.E.
Project Engineer

Agenda Item No. 8

Change Order

CHANGE ORDER NO. TWENTY-TWO

Oakland Macomb Interceptor Drain, Drainage District (OMIDDD)

For Construction of the Pump and Electrical Upgrades Project

Northeast Sewage Pumping Station (NESPS)

Located in the City of Detroit, Wayne County, Michigan

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

Authorization for:

- 1.) Motor Cooling Water Modifications; 2.) Additional roof top walk-way protective pads and handrail; 3.) Construct concrete Housekeeping Pad for HVAC Control Panel; 4.) Furnish and install PVC Drain Piping; 5.) Install support for drain line discharge elbow to wet well; 6.) Furnish and Install security grillage at Dry Well Elevator vent opening; 7.) Fireproofing for Dry Well Elevator Machine Room.

Address:

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

Change Order No. 22 Date: May 05, 2022

	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
22 -1	<p>LOCATION:</p> <p>The Northeast Sewage Pumping Station; Detroit, Wayne County, Michigan</p> <hr/> <p>DESCRIPTION (Extra/ Add):</p> <p>Furnish and install additional protective devices and instrumentation for the main Sewage Pump Motor Cooling Water Systems.</p> <p>REASON:</p> <p>Experience gained on the operation of the existing OMID Sewage Pump # 4 has suggested that a series of additional cooling water devices are beneficial for the long term operation of the pump motors. These additional features include needle valve controls, pressure reducing valves, individual pressure gauges and flow indicators for each motor, and additionally a modified strainer assembly to ensure clean water supply to the cooling system.</p> <p>Attachment: Walsh Construction PCI # 970115</p>	LS	1 ea.	\$15,618.22	\$15,618.22	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 22

	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
22 -2	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Furnish additional rubber membrane roofing walk-way pads and portable handrail sections for NESPS main roof access locations.</p> <p><u>REASON:</u></p> <p>Protective walkway pads and portable handrail sections provided for new rooftop ladder installations (as provided for under the Contract) have demonstrated their value in protecting the newly installed membrane roof from damaging foot traffic. To ensure similar maintenance and safety provisions are in place for existing roof top ladder locations (as well as high traffic areas adjacent to roof mounted equipment), additional rubber pads and movable handrail sections were requested.</p> <p>Attachment: Walsh Construction PCI No. 970123</p>	LS	ea.	\$5,366.81	\$5,366.81	-0-
22 -3	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Construct a reinforced concrete housekeeping pad for the relocated HVAC Control Panel on the Motor Room Floor.</p> <p><u>REASON:</u></p> <p>The Control Panel for the main NESPS HVAC system is now to be relocated from the mezzanine area to a location on the main Motor floor of the Station. In order to ensure a dry, stable mounting platform for this electrical equipment, a standard "plan detail" concrete pad was constructed.</p> <p>Attachment: Walsh Construction PCI No. 970132</p>	LS	1ea	\$1,846.40	\$1,846.40	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 22

	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
22 -4	<p><u>DESCRIPTION (Change/ Add):</u></p> <p>Modify the existing sanitary drainage system in the NESPS Dry Well to transport flow directly to the Wet Well.</p> <p><u>REASON:</u></p> <p>The existing drainage system collects flow from various dry well floor drains as well as the Motor Room lavatory and discharges it to the Sump Pump Pit below the Pump Level floor where upon when a set volume is collected, the sump pumps lift the accumulated waste for discharge into the wet well. This condition has proven to be unsatisfactory in terms of system maintenance as well as providing an unsanitary condition in the Sump Pit.</p> <p>This re-routing of the drainage system will include new piping and new hanger assemblies where needed, but will also re-use a significant portion of the existing drain piping system.</p> <p>Attachment: Walsh Construction PCI # 970133</p>	LS	1 ea.	\$14,711.94	\$14,711.94	-0-
22 -5	<p><u>DESCRIPTION (Change/ Add):</u></p> <p>Provide additional support for Roof Conductor piping discharge elbow connection to the Wet Well.</p> <p><u>REASON:</u></p> <p>The existing roof conductor drainage system that conveys wet weather collections to the NESPS Wet Well penetrates the concrete dividing wall that separates the Dry Well from the Wet Well. This penetration is located at the bottom end of the piping system and is subject to the forces of vertical and horizontal flow dynamics. In order to ensure its reliability over the projected long term service lifetime, additional hangers and support braces were installed to firmly secure this wall fitting.</p> <p>Attachment: Walsh Construction PCI No. 970138</p>	LS	1 ea.	\$1,155.85	\$1,155.85	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 22

	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
22 -6	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Furnish and Install a wire mesh security grille in the Dry Well Elevator Machine Room air vent opening.</p> <p><u>REASON:</u></p> <p>Subject to on-going Code inspections of the recently renovated Dry Well Personnel Elevator by the City of Detroit Elevator Inspector, a recent request involved the installation of a security screen over an elevator shaft ventilation opening. This screen covering will prevent unintended and/or errant entry into the shaft way during future elevator maintenance tasks.</p> <p>Attachment: Walsh Construction PCI No.970139</p>	LS	1 ea.	\$1,860.14	\$1,860.14	-0-
22 -7	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Furnish and install fire-proofing rated gypsum board with detail accessories I the Dry Well Machine Room.</p> <p><u>REASON:</u></p> <p>Recent inspections of the Dry Well Elevator Machine Room by the City of Detroit Elevator Inspector resulted in a code provision which necessitated a fire-proofing system appropriate for this installation. An evaluation of the options available to satisfy this requirement resulted in the selection of a fire-rated gypsum board system that lined the exposed wall and ceiling surfaces, and also encapsulated the exposed structural elements of the room.</p> <p>Attachment: Walsh PCI No. 970135</p> <p align="center">*****</p> <p>End of Change Order No. 22 Line Items</p>	LS	1 ea.	\$9,286.97	\$9,286.97	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 22

	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
					Amount Increase	Amount Decrease
	Summary, Change Order # 22 Line Items				Amount Increase	Amount Decrease
	Totals			\$49,846.33	-0-	
	Net Changes (Increase)			\$49,846.33	-----	

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 22

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

Lawrence T. Gilbert

Date: 5-6-22

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

John Michalski

Date: 5/11/2022

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

Joel Brown

Date: 5/12/2022

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

Stephen Downing

Date: 5/12/2022

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

Date: _____

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

Date: _____

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

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

Accepted by:

DocuSigned by:
Joseph Robinson
5B8E73D8AD8D445

Date May-06-2022 | 8:10 AM CDT

Title vice President

of: Walsh Construction Co. II, Inc.

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

This Change Order No. 22 was approved by the Drainage Board on: _____ Date: _____

Attachment No. 1 to Change Order No. Twenty-Two

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

Contract Status Summary
Change Order No. Twenty-Two
OMID NESPS Pump & Electrical Upgrades Project

Construction Manager at Risk: Walsh Construction Co. II

Project Award Date (Pre-Construction Services)	December 16, 2019
Notice to Proceed Date (Construction Phase)	October 23, 2020
Contract Substantial Completion Date	March 24, 2023
Contract Final Completion Date	June 23, 2023
Original GMP Contract Value (Including Control Structure 9)	\$ 42,863,185.19
Pre-Construction Phase, Unused Budget	\$ 70,196.70
C.O. Values, # 7, 8, 9, 10, 11, 12, 13, 14, 15,16, 17,18, 19, 20, and # 21	\$ 2,263,413.62
Change Order Value, this C.O. # 22	\$ 49,846.33
Adjusted GMP Contract Value (incl. this C.O. # 22)	\$ 45,246,641.84

Agenda Item No. 9

Construction Estimates

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

Regular Construction Estimate No. Nineteen
Page One of Two

April 01, 2022 through April 30, 2022

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

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

Orig. GMP amount for Pump & Elec. Upgrades Project, not including CS-9 and Pre-Const. Balance	\$44,107,745.18
Expended Pre-Construction Phase Amount	(\$1,174,363.30)
<i>Unused Pre-Construction Phase Budget</i>	(\$70,196.70)
<i>CS-9 Budget from GMP</i>	(\$3,251,117.72)
NESPS Pump & Elec. Upgrades Original Contract Budget	\$39,612,067.46
Change Orders, This Estimate: C.O. No. 21	\$43,122.99
Previous C.O.s: (C.O.# 7, 8, 9, 10, 11,12, 13, 14, 15, 16, 17, 18, 19, and 20)- <i>Corrected Value</i>	\$2,220,290.63
Unused Pre-Construction Phase Budget	\$70,196.70
<u>Adjusted Construction Contract Amount: (N/I CS-9)</u>	<u>\$41,945,677.78</u>
Sub-Total To Date: (CS-9 Costs are Not included on this Estimate)	\$22,673,960.14
Less Deductions:	None
Gross Estimate: (Work in Place) Value Complete = 54.0 %	\$22,673,960.14
Less Amount Reserved (Incl. Partial Subcon. Reductions - See Schedule)	\$2,138,902.33
Total Amount Allowed To Date:	\$20,535,057.81
Less Previous Estimates:	\$19,271,679.81
Current Payment Due	\$1,263,378.00
Reserve Pay to Contractor:	\$0.00
Balance to Finish: \$19,271,717.64	Accounting Auditor:
<u>Amount To Be Reserved (From Above):)</u>	<u>\$2,138,902.33</u>
Less Previous Transfers To Reserve (N/I CS-9 Contract Retention)	\$1,999,600.51
<u>Amount of Current Transfer</u>	<u>\$139,301.82</u>

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

Regular Construction Estimate No. Nineteen
Page Two of Two

4/01/ 2022 through 4/30/ 2022

Prepared by: Lawrence T. Gilbert

Date: 05-06-2022

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

Recommended by: John Michalski

Date: 5/9/2022

John Michalski, P.E., ASI

Recommended by: _____

Date: _____

Joel Brown, P.E. Oakland County WRC

Recommended by: _____

Date: _____

Stephen Downing; Macomb County OPWC

Approved for Payment by: _____

Date: _____

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

Regular Construction Estimate No. 19 (April, 2022)

Approved By Board On: _____

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

Regular Construction Estimate No. 14 (Rev. 5-9-22)

Period: 4/01/22 through 4/30/22

Department No.:	6010101	Account No.:	731472
Fund No.:	84917	Program No.:	149015
Project No.:	100000003308	Activity:	FAC

Contractor:	Vendor # 29656 Contract # 6323	Date of Contract:	January 21, 2021
Marra Services, Inc.	LI # 44838 exp. 1/20/23	Final Completion Date:	September 9, 2022
700 E. 73 rd. Street			
Cleveland, OH 44103			

Original Construction Contract Amount	\$14,732,510.00
Previous Change Orders: No. One and Two	\$808,198.88
Change Orders This Estimate: None	\$0.00
Total Net Change Orders:	\$808,198.88
<u>Adjusted Contract Amount:</u>	<u>\$15,540,708.88</u>
Sub-Total To Date	\$8,775,141.58
Less Deductions: None	\$0.00
Gross Estimate, Work in Place (56.46% Complete)	\$8,775,141.58
Less Amount Reserved (Max. at 10% of 50% C.V.)	\$777,035.44
Total Amount Allowed To Date:	\$7,998,106.14
Less Previous Estimates	\$7,308,482.14
Net Payment Request To Be Paid To Contractor:	\$689,624.00
Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$6,765,567.30	Accounting Auditor:
Amount to be Reserved from Above	\$777,035.44
Less Previous Transfers To Reserve:	\$777,035.44
Amount of Current Transfer	\$0.00

Prepared by: *Lawrence T. Gilbert* Date: 5-9-2022
 Lawrence T. Gilbert, P.E.; NTH Consultants Ltd.

Recommended by: *Saju Sachidanandan* Date: 5-10-2022
 Saju Sachidanandan, P. E.; NTH Consultants Ltd.

Recommended by: *Joel Brown* Date: 5/12/2022
 Joel Brown, P.E. Oakland County WRC

Recommended by: *Stephen Downing* Date: 5/12/2022
 Stephen Downing; Macomb County OPWC

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

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD

**Segment 2, Contract 3 Project (Base Contract)
Located in Oakland, Macomb and Wayne County, Michigan**

Regular Construction Estimate No. 41 FINAL

March 31, 2019 to March 31, 2022 **FINAL**

Revised: 5-6-22

Department No.: 6010101
Fund No.: 84915
Project No.: #1-2232

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

Contractor:
Inland Waters Pollution Control, Inc.
4086 Michigan Ave.
Detroit, MI 48210

Date of Contract: April 21, 2015
Completion Date: October 2, 2016
Extended to: Dec. 31, 2021

Contract #3450

Original Contract Amount:	\$17,965,840.00
Previous Change Orders:	\$ 5,025,414.72
Total Change Orders	\$ 5,025,414.72
<u>Adjusted Total Contract Amount (Base Contract + Emergency Gatehouse Repairs)</u>	<u>\$22,991,254.72</u>
Adjusted Value of Gatehouse Emergency Repairs; <i>Refer to Separate Payment Application</i>	(\$5,061,080.33)
Adjusted Contract Value, Base Contract Only	\$ 17,930,174.37
Less Deductions: None	\$ -
Gross Estimate: (Work in Place) 100%	\$ 17,930,174.37
Current Value of Retainage <i>(Retainage Returned to Owner's Account and Contractor)</i>	\$ -
Total Amount Allowed To Date:	\$ 17,930,174.37
Less Previous Estimates: Paid to Date (App #40)	\$ 18,009,266.41
Payment Request to Contractor (Negative Value resulting from C.O. # 10 and #11)	(\$79,092.04)
Payment to Contractor (Retainage Value less Overpayment : \$80,000.00 - \$79,092.04)	\$907.96
<u>Balance of Contract To Date</u>	<u>\$0.00</u> Accounting Auditor:
Amount To Be Reserved (From Above)	0.00
Transfer of Reserve: \$79,092.04 Reserve transfer to Owner's Account	79,092.04
\$907.96 Reserve transfer to Contractor (Total Transfer = \$80,000.00)	\$907.96

Prepared by: James T. Gilbert Date: 5-10-22
Lawrence T. Gilbert, P.E.; NTH Consultants, Ltd.

Recommended by: Saju Sachidanandan Date: 5-10-2022
Saju Sachidanandan, P.E.; NTH Consultants Ltd.

Recommended by: Joel Brown Date: 5/12/2022
Joel T. Brown, P.E., Oakland County, WRC

Recommended by: Stephen Downing Date: 5/12/2022
Stephen Downing, Macomb County OPWC

Approved For Payment: _____ Date: _____
Sid Lockhart, P.E., Special Projects Manager

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the Oakland Macomb Interceptor Drain Contract 3, Change Order 2-E
NESPS Emergency Gatehouse Repair
Located in the City of Detroit, Wayne County, Michigan

Regular Construction Estimate No. 20 **FINAL**

March 31, 2019 to March 31, 2022 **FINAL**

Department No.:	6010101	Account No.:	731472
Fund No.:	84915	Program No.:	149015
Project No.:	#1-2232	Activity:	FAC

Contractor: Inland Waters Pollution Control, Inc. 4086 Michigan Ave. Detroit, MI 48210	Contract #3450	Date of Contract: Completion Date: Extended to:	April 21, 2015 October 2, 2016 N/A
---	----------------	---	--

Original Contract Amount:		\$4,979,828.31
Previous Change Orders: Numbers 2F, 2G, 2H, and 2I		\$ 289,435.02
Change Orders, This Estimate: No. 2-J and 2-K		\$ (208,182.98)
Total Net Change Orders:		\$81,252.04
Adjusted Contract Amount:		\$5,061,080.35
Sub-Total To Date: (Sheet 2 of 2 Column 7)	\$	5,061,080.35
Less Deductions: (Sheet 2 of 2 Column 7)	\$	-
Gross Estimate: (Work in Place)	100.00%	\$ 5,061,080.35
Less Amount Reserved: Final Retainage Value returned to OMID DD, per C.O. # 2-K	\$	-
Total Amount Allowed To Date:	\$	5,061,080.35
Less Previous Estimates:	\$	5,054,361.77
Net Payment Request To Be Paid To Contractor:		\$6,718.58
Reserve Payment to Contractor		\$0.00
Balance of Contract To Date	\$0.00	Accounting Auditor: <i>Jeff Ragle</i>
Amount To Be Reserved (From Above)		0.00
Less Previous Transfers To Reserve:		0.00
Amount of Current Transfer:		\$0.00

Prepared by: *Lawrence T. Gilbert* Date: 5-18-2022
 Lawrence T. Gilbert, P.E., NTH Consultants, Ltd.

Recommended by: *Saju Sachidanandan* Date: 5-10-2022
 Saju Sachidanandan, P.E., NTH Consultants Ltd.

Recommended by: *Joel T. Brown* Date: 5/12/2022
 Joel T. Brown, P.E., Oakland County, WRC

Recommended by: *Stephen Downing* Date: 5/12/2022
 Stephen Downing, Macomb County OPWC

Approved For Payment: _____ Date: _____
 Sid Lockhart, P.E., Special Projects Manager

Agenda Item No. 10

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

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

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

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The following provides a status update as of the writing of this report (May 10, 2022) 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

Project Budget Summary (including EWOs):

• Adjusted Project Budget (including EWOs and Fan Testing Allowance):	\$567,447.00
• Total Spent (through May 2021):	\$566,441.58
• Additional Data Gathering Budget (under NTH):	\$84,926.00
• Additional Data Gathering Expenditure to date:	\$1,282.00

Status of Major Project Tasks:

- System-wide Odor/Corrosion Study and additional requested work under Jacobs Engineering is substantially complete. Jacobs delivered on May 28, 2021 a draft technical memorandum that summarizes the NI-EA Phase 1 odor sampling recently performed at the NESPS and in PCI-4. The initial contract was extended to 5/15/2022. This work will be completed under a new contract (NTH Contract #2603), under which Jacobs is currently performing additional data gathering (H2S and pressure readings) within the NIEA and OMID portions of the system to further evaluate impacts from flow control sequencing. Final Report will be updated to reflect new data.

SRF Segment 2 Status:

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

SRF Segment 3 Status:

Contract 4: Complete

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SRF Segment 4 Status:

Contract 5A/5B: Complete

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

Contract 6: Complete

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

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

NESPS & OMID Maintenance, Operations & Upgrades Status:

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

- Mersino Dewatering is under contract for standby emergency bypass pumping.
- The OMIDDD Project Team is currently finalizing design for an approach for keeping the 15 Mile Road bypass pumping arrangement (initially constructed in summer 2021) intact. Plans are now in place for the existing bypass piping remaining on site as a proposed below grade installation pending final agreement with ITC.
- Remaining items in the final emergency plan include punch-list and optimization steps for electrification, the modification of one manhole, modifications at the 15-Mile Road Site, and overall optimization of the Emergency Plan per above.

Additional work being performed under Metco Maintenance Contract for NESPS:

- Flow control operations related to OMID/MID/NIEA sewer repair and upgrade projects are ongoing.
- Mechanical and Electrical corrective/preventative maintenance schedules continue.
- Coordination between GLWA, MID, NESPS, and Pump/Electrical Upgrade Project has not affected station operations nor hindered performance or abilities to meet demands.
- Wet well sediment inspection and bar screen cleaning are now quarterly tasks. The next effort is scheduled for May 27, 2022. Sediment level has plateaued and, in some cases, dropped. Based on the data and observations, the wet wells appear to be self-regulating/cleaning, with the exception of long-term accumulation of larger debris and cemented material which is not drawn into the pumps.
- The OMIDDD Project Team is continuing to review past wet well/bar screen data. This

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effort will be used in developing best practices maintaining overall de-ragging and sediment removal efforts. Options for future automated and/or optimized cleaning are being researched and considered.

- A NESPS Controls Workshop with the OMID team and GLWA is an ongoing process, designed around new operational parameters and control strategies.
- NESPS Health and Safety Plan finalized.

Overall Station Performance Report:

- Sanitary Pumps #2 #4, #5, and #6 ready for duty. Total pump capacity equals 500-cfs
- Major glitches within the Ovation system logic impacted Sanitary 5 and Sanitary 6 with premature stops and non- starts. A meeting was held with GLWA IT staff to resolve. Ovation server “crash” was found to be the culprit; issue is apparently resolved.
- Sanitary Pump #2 VFD (Variable Frequency Drive) issues has been resolved
- One of the three VFD cell cabinet exhaust blowers seized. Rotor has received the repaired blower. Installation was completed May 6, 2022.
- Sanitary Pump #6 exciter insulation resistance tested low during Preventative Maintenance checks. The exciter was dismantled and shipped to a local shop for repair. Costs were minimal and turnaround was quick. Currently performance is in line with normal operations.
- Specific data logging software has been installed within the VFD drive PLC. Siemens maintains the ability to monitor VFD performance and fault/trip conditions.
- Rotor integrated the existing Eaton Power Expert (Quality Power Monitoring Meter) located on the VFD Sanitary Pump #4 switchgear into the OMID SCADA system. We can now monitor/trend incoming DTE electrical power. No faults, voltage sags or spikes noted.
- Sanitary Pump #1 remains out of service as part of the upgrade project. The Pump #1 knife gate valve has been refurbished and installed. (see NESPS Rehab Report below)
- A mechanical seal was installed on the wet well dewatering pump April 13 (taken from our spare part inventory). A spare mechanical seal was added back to inventory.
- New transformer (T3) has been energized and tied to the existing switchgear. Station now in preferred “double-ended” status whereby T3 and T4 utility transformers are both under load conditions.
- NEXGEN asset management in use.
- Gas detection faults/alarms have been corrected. Protocols related to alarming have been modified by OMIDDD and in use.
- NESPS HVAC system performing as designed. Minor tweaking on-going.
- Bio Filter performance normal with no odor complaints or issues to report. Parameters checked daily and shared with Bio Aire on a weekly basis.
- Overall General Housekeeping tasks in order. Minor maintenance activities addressed in a timely manner.

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

- Daily flow control operations now support MID/OMID/NIEA repair and improvement projects.
- All LOTO protocols are in-place with no major issues to report.

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- System-wide communications are good.
- CS-6 gate remains out of service. HESCO salvaged the counter-balance valve from the damaged CS-6 gate and will re-use it at CS-3. This will restore operability to MID CS-3 gate #1.
- Refurbishment plan of CS-6 is underway, quotes and scope of work are being identified. Details will follow.
- Preventative maintenance tasks and emergency inspections of control structures are completed after minor issues addressed. Reports are on file.
- CS-7 in stand-by mode ready for service.
- CS-8 in stand-by mode ready for service.
- CS-5 in stand-by mode ready for service.
- CS-9 in stand-by mode ready for service.
- PCI-5 Hobas lining repair is pending final insurance carrier approval.
- Routine daily rounds and inspection made with no major maintenance issues to report at this time.

Other System Operation Issues

- O&M Manual currently being revised to include new structures, recently modified structures, new monitoring equipment, and recent inspection and repair status.
- EGLE has informally agreed to consent to use of all flow control structures for long term flow control. Request for formal consent is promised but not yet received.

OMID Control Structure Upgrades Status:

- Hatch and Access improvements complete 8/14/20, CSM Contract closed-out.
- HESCO has provided a study of control structures that evaluates long-term operability, and recommends certain upgrades. ASI preparing a design scope and budget for such upgrades for OMIDDD consideration.

OMID System 3-Year Spot Repairs Status:

- Remaining 3-year spot repair work consists of step removal at one manhole in PCI-8, delayed due to access issues and timing of other work.

OMID System 6-Year Inspection Status:

- The 6-Year inspection began July 8, 2021. Flow Control delays have hampered inspections, although work is being performed intermittently and nearing completion.
- Some damage noted to the CIPP Liner installed in 42" section of PCI-11A. Current plan is for Doetsch to remove the damaged section, grind the edges, and assess if anything more is necessary. Work has been delayed due to permit issues.

NIEA Repairs (Design/Construction)

Contract 1 (PCI-4 Rehabilitation): In Construction

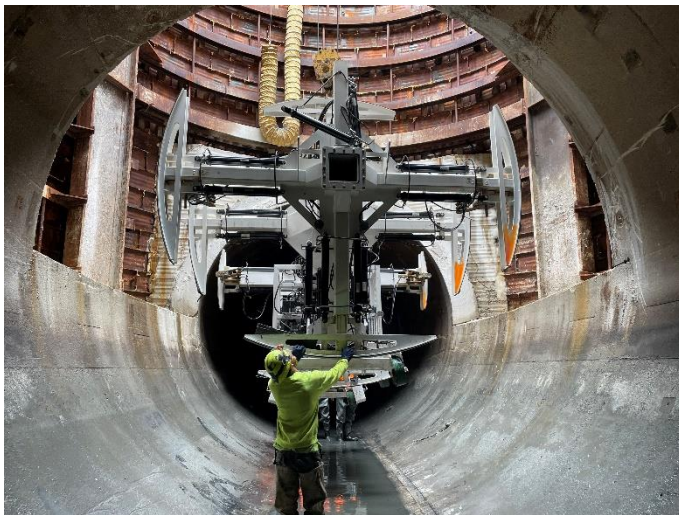
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Amt Invoiced: Construction cost to date is \$8,775,141.58 representing 56.5 % of the Contract value.

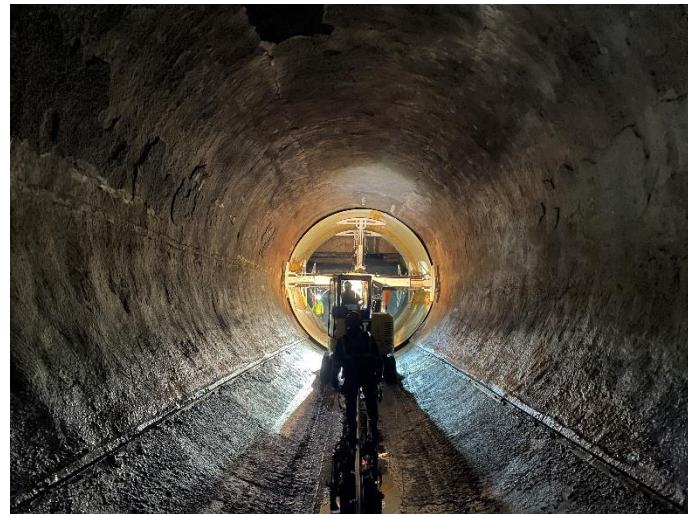
Schedule Status: Current adjusted Substantial Completion date is December 2, 2022. Currently, the Contractor is operating approx. 5 weeks behind the adjusted schedule, but anticipates this shortfall can largely be made up with productive lining work now in the beginning stages.

Contract 1 (PCI-4 Rehabilitation) Construction Status:

- Access shaft excavation, liner-plate TERS installation, headwall construction, and slab construction is complete. Work is complete on the wire-saw removal of the upper half of the exposed interceptor in preparation for the start of liner installation.
- Currently, 100% of the Channeline segments are now on site and being assembled, and over 90% of the Rockhard SCP segments have been manufactured and delivered to the jobsite. Progress continues on the QuakeWrap lining pipe at the Hastings, MI manufacturing facility.
- Initial adjustments to pipe carrier are complete and carrier is functioning properly.
- Initial transition section of QuakeWrap lining segment is installed; bulkhead complete, and first few pipe sections have been installed and homed.
- Geotechnical monitoring of construction activities indicates continuing stable conditions.



Lowering Pipe Carrier In-place

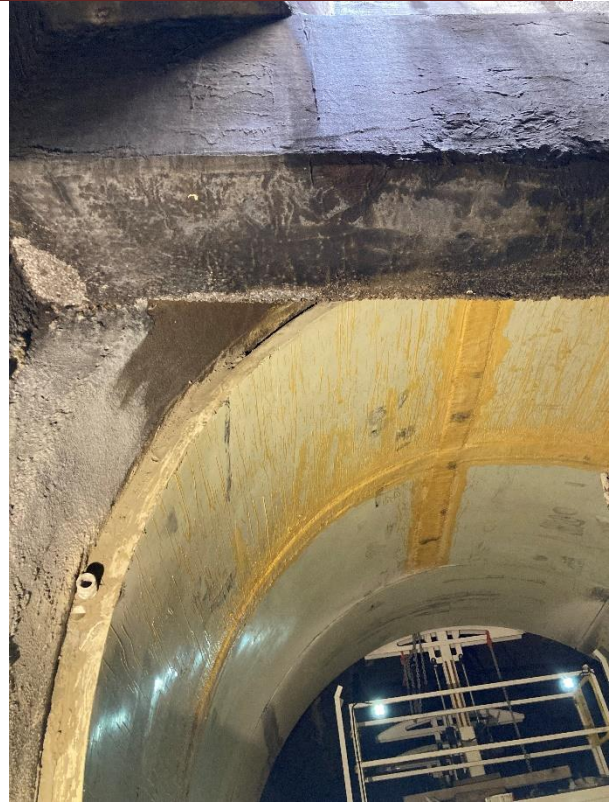


Carrying Initial (Transition) Pipe Section

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Installing Initial (Transition) Pipe Section



Bulkheaded (Transition) Pipe Section

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

Amt Invoiced: \$2,205,065 out of currently projected study/design budget of \$2,400,570;

Schedule Status: Contract 2: 100% design work complete; expected to bid in mid 2022 pending permit and easement acquisition resolution and coordination with GLWA projects that impact flow control requirements.

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

- NI-EA OMID Contract No. 2 PCI-18 & 19 Rehabilitation 100% drawing set has been workshopped with OMIDDD and is ready for advertisement, pending GLWA agreement.
- Flow control measures necessary to complete Contract 2 work is expected to impact a downstream GLWA project (DB-226). Contract 2 is being structured such that potential interference between the two contracts can be mitigated.
- Current City of Detroit permitting and easement issues are nearly resolved; certain follow-up issues remaining.
- Working with GLWA to develop cost sharing agreement; Draft agreement is currently being reviewed by GLWA Legal.

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

Work Item/ Milestone	Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
Lining Study Final Report	\$126,744		10/30/2019
90%, 100% Design Package			3/20/2020 and 4/28/2020 (Contract 1) 4/16/2021* and TBD* (Contract 2)
MDEQ Submittal (Part 41)			4/28/2020 (Contract 1) Pending* (Contract 2)
Issued for Bid			6/10/2020 (Contract 1) 4/2022* (Contract 2)
Bid Opening			9/30/2020 (Contract 1) April 2022* (Contract 2)
Contract Award and NTP			12/16/2020 and 1/04/2021 (Contract 1) TBD* (Contract 2)
Subtotal - Design	\$2,400,570		
Final Completion of Construction	\$3,500,000	\$35,000,000	12/2/2022 (Contract 1) 8/30/2024 (Contract 2, estimated)

NESPS Pump and Electrical Upgrades Project

Budget Status: \$1,280,139 billed out of current Design Budget of \$1,382,430; \$968,018 out of the current CCA Budget of \$2,443,262. Total construction budget currently established as \$45,001,517.63, including contingencies, through proposed C.O. #19). The total amount invoiced to date as of April 30, 2022, is \$ 25,932,252.39 (including the now completed and operational Control Structure 9 Bulkhead Gate facility, and adjusted for stored material inclusion in major work activities), representing 54.25% of the combined project (Pump & Electrical Upgrades and CS-9 Gate Installation).

Schedule Status: Currently work is approximately 5 months late, resulting from a combination of supply chain issues and other issues. Contractor is trying to make up time but will likely be unable to meet the scheduled completion date. Discussions for additional time and/or schedule adjustments are pending.

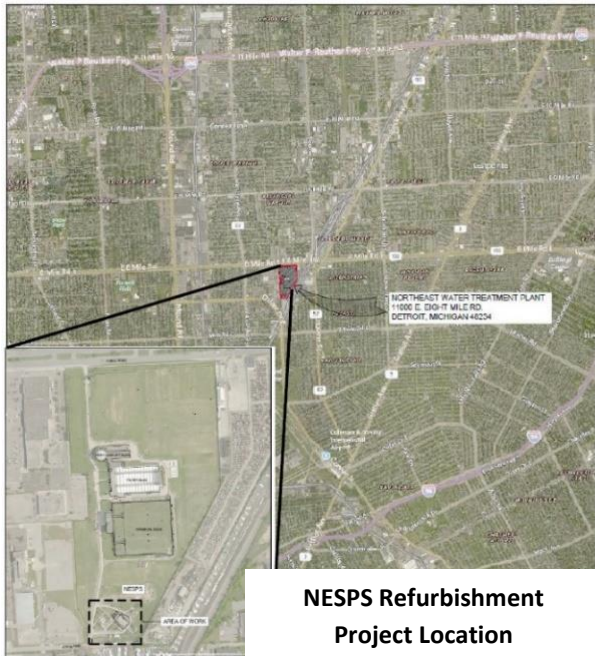
The following Design Team and Construction Services Effort is active:

- The new Sewage Pump # 3 and Motor has now been delivered to the NESPS and is in the process of installation. In addition, Sewage Pump and Motor No. 1 is following closely behind and being readied for installation. Factory performance tests have been conducted with each separate component, and the pump and motor assembly will be re-tested when in place at the NESPS.
- Electrical work on the primary cable installation from the transformers to the new metal clad switchgear is in progress and proceeding without issue.
- A review of alternative energy saving methods and pump sequence remains ongoing, incorporating GLWA SCC comments.

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- Construction Phase services (RFIs, Submittals) are ongoing, and the engineering team is reviewing and responding.
- Discharge piping work is underway on Pumps # 1 and # 3, including pressure testing.
- Chemical injection to seal groundwater infiltration at the existing discharge pipe wall penetrations is substantially complete, with final efforts on hold to observe the initial stages of grouting and determine if further measures may be required for final leak control.
- Small diameter conduit runs are being installed in the existing NESPS building with favorable progress, now approaching substantial completion for this activity.
- Pump 1 and Pump 3 have been shop tested and are now onsite undergoing installation.
- Knife Gate 1 is refurbished and has been reinstalled on site.
- The **draft** line item schedule and budget are summarized:

Work Item/ Milestone	Design/CCA Budget	Const Budget	Estimated Delivery Date
2 Final Basis of Design			5/31/2019
7 MDEQ Submittal (Part 41 Permit)			4/8/2020 (initial pkg)
8 90% Design Submittal			6/30/20
9 Final Package Development			8/14/2020
Subtotal	\$3,826,000	\$44,100,000	
10 Substantial Completion	\$2,500,000 (est.)	\$44,100,000 (est.)	9/24/2023 (late)
11 Final Completion			12/23/2023 (late)



**Additional electrical gear delivered to
electrical building.**

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Delivery of Sanitary Pump #1 on April 19, 2022



Positioning Sanitary Pump #1 on April 28, 2022

CS-9 Gate Installation

Budget Status:

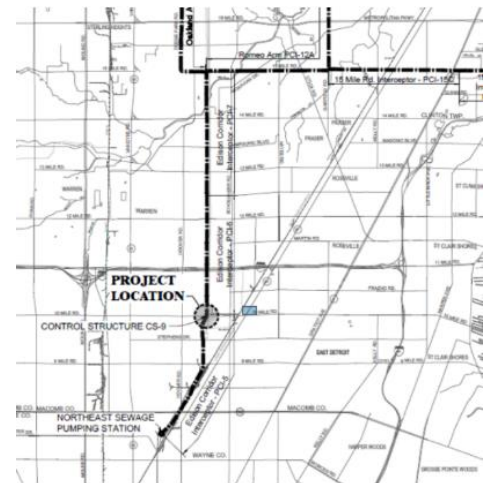
Total construction budget currently established as approximately \$3,314,218.01

Schedule Status:

Construction complete; Repairs pending

The following work is active:

- All major work is complete and the Hydrogate gate is in regular use for flow control management.
- Site restoration is substantially complete and will be fully completed following Hobas Repairs.
- Doetsch Environmental is engaged to provide Hobas Lining repair and platform repair services. Repairs on hold pending insurance carrier approval



CS-9 Project location

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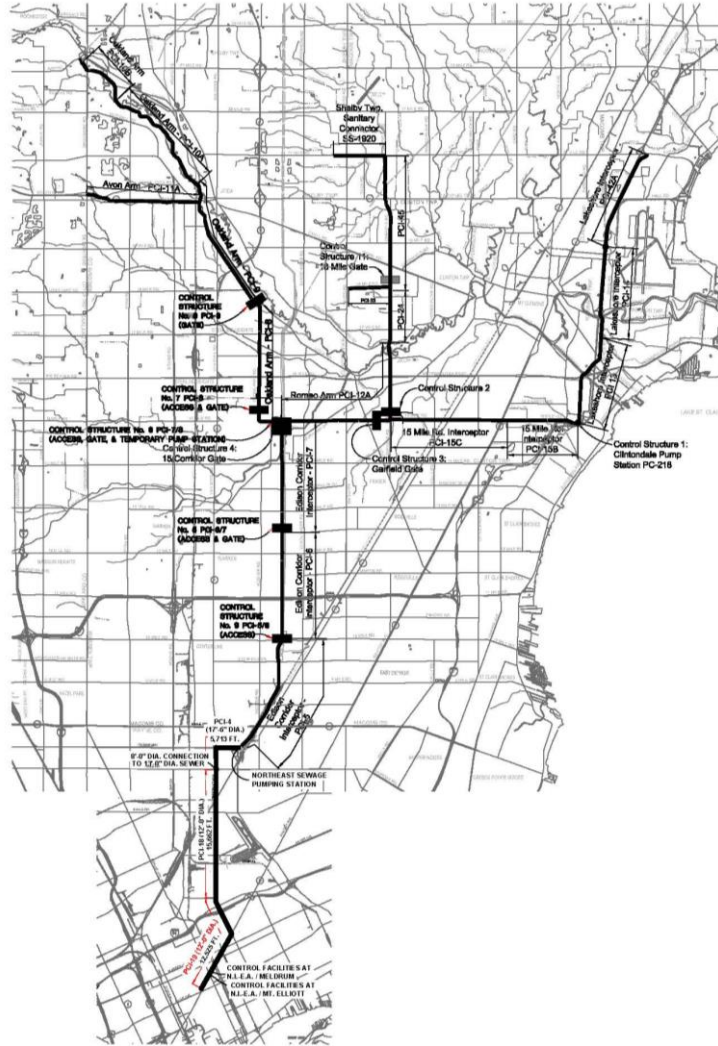
Summary of OMID Design and Construction Status:

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

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

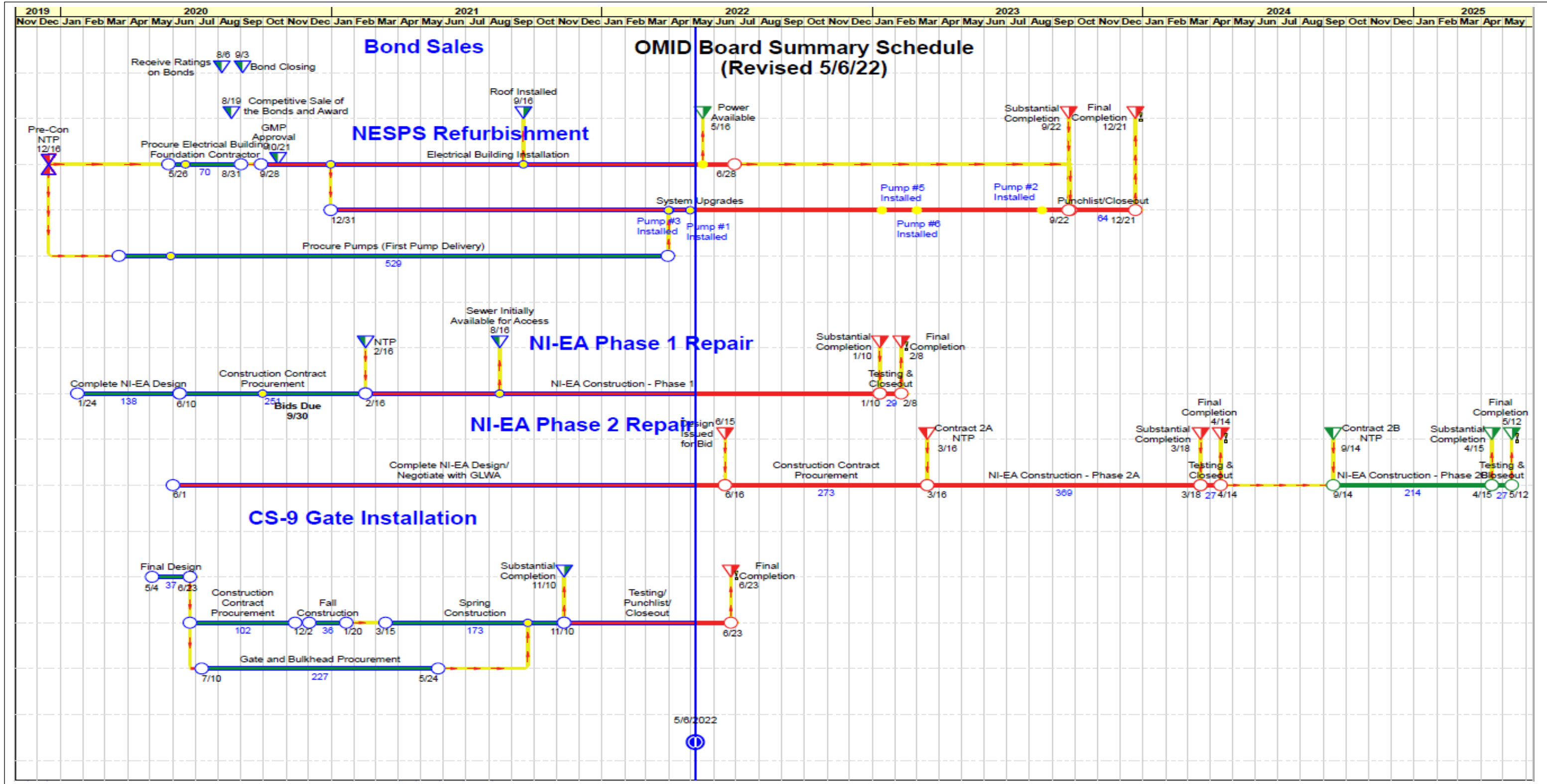
Work Currently in Design/Study/Engineering		
Description	Design Consultant	Status
System-wide Odor/Corrosion Study	Jacobs	Study Complete, data gathering and modifications pending
NESPS & OMID Maintenance & Repairs	Metco	Engineering/Maintenance Ongoing
NIEA-OMIDDD Contract 2 (PCI-18/19)	NTH	Design Complete; pursuing cost sharing w/ GLWA
Emergency Pumping Plan	ASI/FKE	Draft Plan to be modified following ITC bypass pumping modifications

May 18, 2022 OMIDDD Board Meeting



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

May 18, 2022 OMIDDD Board Meeting



OMID Project Schedule Summary

Oakland County - Water Resources Commissioner's Office
Fund Equity: Schedule of Reserves and Dedicated Funds
As of Date: April 30, 2022

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	3,333,456.19	3,000,000.00	2,817,170.89	5,601,337.69		14,751,964.77
84917	OMIDD Seg 5						
	- Project 1-3252 Interceptor Seg 5					1,089,471.84	
	- Project 1-3308 NI - EA Construction					10,835,334.34	
	- Project 1-3309 NESPS Construction					<u>22,279,095.53</u>	<u>34,203,901.71</u>
Total Equity in Maintenance and Construction Funds							<u><u>48,955,866.48</u></u>

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

Agenda Item No. 11

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

YTD Trial Balance
Fund: 84917 Oakland Macomb InterceptorSeg5
As of Fiscal Period: Month 7, 2022

Run By: WRC_REPORTING
Run: 04/28/2022 at 03:28 PM
Scope: 84917 Oakland Macomb InterceptorSeg5

ACCOUNT		OMID Segment 5 100000003252	OMID NI-EA CONSTRUCTION 100000003308	NESPS MECH-ELEC CONSTRUCTION 100000003309	YTD Balance All Grants
100100	Cash - Operating	1,459,730.54	15,059,791.69	30,325,238.52	46,844,760.75
104100	Accrued Interest on Investment	(161,449.04)	0.00	0.00	(161,449.04)
222300	Unearned Revenues	(208,809.66)	(4,224,457.35)	(8,046,142.99)	(12,479,410.00)
	Revenues	394,745.84	0.00	0.00	(7,465.95)
	Expenditures	0.00	4,280,989.04	6,669,789.22	10,950,778.26
	Special Items- Uses	0.00	0.00	0.00	0.00
381315	FB Restricted Debt	(47,288,433.00)	0.00	0.00	(47,288,433.00)
382100	FB Committed for Capital Proj	45,804,215.32	(15,116,323.38)	(28,948,884.75)	2,141,218.98
		0.00	(0.00)	0.00	(0.00)

Cash as of 04/30/2022 \$ 46,844,760.75

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (118,136.71)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (82,904.27)

Total Net Cash Balance \$ 46,643,719.77

Water Resources Commissioner
PROJECT WORK IN PROGRESS
OMID NI-EA CONSTRUCTION
10000003308
 (as of April 30, 2022)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
Administration TOTALS	584,000.00	0.00	0.00	\$584,000.00
CONT - Contingency				
Contingency TOTALS	2,581,000.00	0.00	0.00	\$2,581,000.00
ENG - Engineering				
771638 - Drain Equip Labor		11,956.15	98,616.06	
771639 - Drain Equipment		366.46	3,817.58	
Engineering TOTALS	478,000.00	12,322.61	102,433.64	\$375,566.36
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		1,079.69	530,698.62	
731444 - Prof Svc-Consultant		-35,000.00	1,170,698.49	
731458 - Professional Services		12,363.33	28,847.78	
731472 - Project Construction and Impr		0.00	539,637.75	
Engineering Consultant TOTALS	4,913,000.00	-21,556.98	2,269,882.64	\$2,643,117.36
FAC - Facility Acquisition				
730352 - Construction		-137,530.96	2,947,868.47	
730660 - Equipment Repair		0.00	10,200.00	
731472 - Project Construction and Impr		97,811.68	7,802,698.79	
Facility Acquisition TOTALS	17,983,600.00	-39,719.28	10,760,767.26	\$7,222,832.74
INS - Inspection				
Inspection TOTALS	260,000.00	0.00	0.00	\$260,000.00
LEGAL - Legal and Financial				
730940 - Insurance		0.00	41,250.00	
731073 - Legal Services		-4,023.00	55,897.50	
Legal and Financial TOTALS	1,259,000.00	-4,023.00	97,147.50	\$1,161,852.50
ROW - Right of Way				
730373 - Contracted Services		0.00	3,625.00	
731038 - Land and Easement		0.00	-300.00	
731073 - Legal Services		-2,484.00	20,230.90	
731661 - RW Negotiation and Expense		0.00	5,000.00	
771638 - Drain Equip Labor		625.65	45,778.96	
771639 - Drain Equipment		22.43	1,822.60	
Right of Way TOTALS	265,000.00	-1,835.92	76,157.46	\$188,842.54
STD - Standard Operation				
730639 - Engineering Services-Other		0.00	29,419.81	
Standard Operation TOTALS	40,000.00	0.00	29,419.81	\$10,580.19

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID NI-EA CONSTRUCTION

10000003308

(as of April 30, 2022)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
SUR - Survey Crew				
Survey Crew TOTALS	32,000.00	0.00	0.00	\$32,000.00

Project 10000003308 - OMID NI-EA CONSTRUCTION				
Total Project Expenses				
	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
	\$28,395,600.00	(\$54,812.57)	\$13,335,808.31	\$15,059,791.69
Total Project Revenue				
Account	Month-to-Date Revenue	Life-to-Date Revenue		
605572-Special Assessments	\$0.00	\$2,206,043.00		
697551-Issuance of Bonds	\$0.00	\$21,965,099.65		
TOTAL REVENUE	\$0.00	\$24,171,142.65		
REVENUE OVER/(UNDER) EXPENSES			\$10,835,334.34	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS MECH-ELEC CONSTRUCTION

10000003309

(as of April 30, 2022)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730940 - Insurance		0.00	44,200.00	
Administration TOTALS				
620,000.00		0.00	44,200.00	\$575,800.00
CONT - Contingency				
Contingency TOTALS				
4,917,000.00		0.00	0.00	\$4,917,000.00
ENG - Engineering				
731346 - Personal Mileage		0.00	352.80	
771638 - Drain Equip Labor		13,892.77	146,372.94	
771639 - Drain Equipment		564.66	5,734.23	
Engineering TOTALS				
446,000.00		14,457.43	152,459.97	\$293,540.03
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		0.00	1,468,874.18	
731444 - Prof Svc-Consultant		0.00	146,299.41	
731458 - Professional Services		0.00	99,380.92	
Engineering Consultant TOTALS				
3,987,000.00		0.00	1,714,554.51	\$2,272,445.49
FAC - Facility Acquisition				
731472 - Project Construction and Impr		-171,778.43	21,176,014.67	
Facility Acquisition TOTALS				
40,857,000.00		-171,778.43	21,176,014.67	\$19,680,985.33
INS - Inspection				
731458 - Professional Services		0.00	532.00	
771638 - Drain Equip Labor		15,629.05	264,278.07	
771639 - Drain Equipment		1,795.59	31,201.83	
Inspection TOTALS				
285,000.00		17,424.64	296,011.90	(\$11,011.90)
LEGAL - Legal and Financial				
730940 - Insurance		0.00	179,800.00	
Legal and Financial TOTALS				
2,417,000.00		0.00	179,800.00	\$2,237,200.00
ROW - Right of Way				
Right of Way TOTALS				
393,000.00		0.00	0.00	\$393,000.00
STD - Standard Operation				
730940 - Insurance		0.00	197,720.43	
Standard Operation TOTALS				
130,000.00		0.00	197,720.43	(\$67,720.43)
SUR - Survey Crew				
Survey Crew TOTALS				
34,000.00		0.00	0.00	\$34,000.00

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS MECH-ELEC CONSTRUCTION

10000003309

(as of April 30, 2022)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 10000003309 - NESPS MECH-ELEC CONSTRUCTION			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$54,086,000.00	(\$139,896.36)	\$23,760,761.48	\$30,325,238.52
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$4,202,235.00	
697551-Issuance of Bonds	\$0.00	\$41,837,622.01	
TOTAL REVENUE	\$0.00	\$46,039,857.01	
REVENUE OVER/(UNDER) EXPENSES		\$22,279,095.53	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID Segment 5

10000003252

(as of April 30, 2022)

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
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Administration TOTALS	0.00	242,201.57	(\$242,201.57)
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LEGAL - Legal and Financial

730177 - Bond Issuing Cost	0.00	514,935.00
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Legal and Financial TOTALS	0.00	514,935.00	(\$514,935.00)
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Project 10000003252 - 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	\$108,835.74	
655077-Accrued Interest Adjustments	(\$11,675.80)	(\$161,449.04)	
655385-Income from Investments	\$32,845.43	\$814,218.62	
697219-Premiums on Bonds Sold	\$0.00	\$7,672,724.75	
697551-Issuance of Bonds	\$0.00	(\$6,587,721.66)	
TOTAL REVENUE	\$21,169.63	\$1,846,608.41	
REVENUE OVER/(UNDER) EXPENSES		\$1,089,471.84	

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMI DD Meeting Date 5/18/2022

Payable To	Invoice #	84917	84917	82912	Total
		1-3308	1-3309		
		<u>Segment 5 NIEA Construction</u>	<u>Segment 5 NESPS Mech / Electric Construction</u>	<u>Operations & Maintenance</u>	
Oakland County *	WRC Labor/Fringes/Non-direct Labor	12,581.80	29,521.82		\$42,103.62
Oakland County *	WRC Equipment	388.89	2,360.25		\$2,749.14
Applied Science, Inc	Invoice # 39 (ASI Inv. #8118) Services 03/27/22 to 04/30/22		81,926.72		\$81,926.72
CH2M - LG Design	Invoice # 705773CH038 Services 04/02/22 - 04/29/22			1,190.42	\$1,190.42
Clark Hill PLC	Invoice # 1194100 Matter 404547 Services Through 03/31/2022			918.00	\$918.00
Clark Hill PLC	Invoice # 1194098 Matter 424741 Services Through 03/31/2022			297.00	\$297.00
CSM Mechanical, LLC	Invoice # 21OMIDD017 Bio Trickler Filter Repair Invoice Date 04/14/2022			2,469.67	\$2,469.67
HESCO	Invoice # 2213585 CS-6 Counterbalance Valve 04/27/2022			3,815.00	\$3,815.00
Kenedy Industries	Invoice # 628439 NESPS Field Service 10/29/21			858.00	\$858.00
Kenedy Industries	Invoice # 629779 NESPS Field Service 01/27/2022			1,089.00	\$1,089.00
Kenedy Industries	Invoice # 630060 NESPS Field Service 02/25/22			1,160.50	\$1,160.50
Kenedy Industries	Invoice # 630563 NESPS Field Service 04/04/22			393.00	\$393.00
Kenedy Industries	Invoice # 630924 NESPS Field Service 04/29/22			10,485.20	\$10,485.20
METCO	Invoice # 1811-40 Through 05/01/22			78,135.01	\$78,135.01
Motor City Electric Technologies	Invoice # 94396 NESP SCADA Cut Over Service Date 04/04/22			2,036.26	\$2,036.26
Motor City Electric Technologies	Invoice # 94403 NESP SCADA Cut Over Service Date 04/04/22			90.00	\$90.00
Motor City Electric Technologies	Invoice # 94404 NESP SCADA Cut Over Service Date 04/14/22			90.00	\$90.00
Motor City Electric Technologies	Invoice # 94405 NESP SCADA Cut Over Service Date 04/14/22			90.00	\$90.00
Motor City Electric Technologies	Invoice # 94412 NESP SCADA Cut Over Service Date 04/21/22			327.48	\$327.48
Motor City Electric Technologies	Invoice # 94419 NESP SCADA Cut Over Service Date 04/29/22			342.00	\$342.00
Motor City Electric Technologies	Invoice # 94420 NESP SCADA Cut Over Service Date 04/29/22			446.35	\$446.35
NTH Consultants	Invoice # 629354 Engineering Design NI-EA PCI-4 Through 04/22/2022	4,390.07			\$4,390.07
NTH Consultants	Invoice # 629355 Engineering Design NI-EA PCI-4 and CS-9 Through 04/22/2022	100,353.03			\$100,353.03
NTH Consultants	Invoice # 629357 Engineering Design NESPS Through 04/22/2022		977.55		\$977.55
NTH Consultants	Invoice # 629358 2021 OMIDD System Inspection Through 04/22/2022			1,438.80	\$1,438.80
NTH Consultants	Invoice # 629359 NESPS Maintenance Tasks Through 4/22/2022			3,215.62	\$3,215.62
NTH Consultants	Invoice # 629360 Engineering Work D 439 & NESPS Maintenance Through 04/22/2022			10,686.72	\$10,686.72
PM Technologies	Invoice # 0000165276 NESPS Generator 1 repair 03/11/22			1,002.60	\$1,002.60
PM Technologies	Invoice # 0000165277 NESPS Generator 2 repair 03/11/22			875.10	\$875.10
PM Technologies	Invoice # 0000165278 NESPS Generator 3 repair 03/11/22			875.10	\$875.10
PM Technologies	Invoice # 0000165802 NESPS Generator 2 Preventative Maintenance 04/27/22			2,895.00	\$2,895.00
PM Technologies	Invoice # 0000165803 NESPS Generator 3 Preventative Maintenance 04/27/22			2,895.00	\$2,895.00
PM Technologies	Invoice # 0000165842 NESPS Generator 1 Preventative Maintenance 04/27/22			2,895.00	\$2,895.00
PMA Consultants	Invoice # 03559.01 - 23 Professional Services Through 04/30/22	13,393.61			\$13,393.61
Rotor Electric Company	Invoice # 12502 Sump Pump Floats 03/30/22			3,716.20	\$3,716.20
Rotor Electric Company	Invoice # 12503 P5 & 6 Moter Maintenance 03/7/22			5,242.56	\$5,242.56
Rotor Electric Company	Invoice # 12504 P2 & 4 Moter Maintenance 03/14/22			2,367.50	\$2,367.50
Rotor Electric Company	Invoice # 12511 Gen Shelter Breaker Maintenance and Testing 04/18/22			2,466.00	\$2,466.00
Rotor Electric Company	Invoice # 12512 P4 Unit Sub Maintenance and Testing 04/21/22			2,466.00	\$2,466.00
Rotor Electric Company	Invoice # 12513 MV Contactor Relay Maintenance and Testing 04/19/22			7,124.00	\$7,124.00
Rotor Electric Company	Invoice # 12514 MV Breaker Maintenance and Testing 04/20/22			7,124.00	\$7,124.00
Rotor Electric Company	Invoice # 12515 Unit Sub 1A-1B Maintenance and Testing 04/20/22			7,946.00	\$7,946.00
Rotor Electric Company	Invoice # 12516 P5 Motor Maintenance 04/19/22			3,033.62	\$3,033.62
Rotor Electric Company	Invoice # 12517 Exciter Field Repairs 04/21/22			14,685.36	\$14,685.36
	Total Invoices/Reimbursements for Approval	\$131,107.40	\$114,786.34	\$187,183.07	\$433,076.81
	* Less WRC Charges already paid from OMI Fund	(12,970.69)	(31,882.07)	0.00	(44,852.76)
	Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board	\$118,136.71	\$82,904.27	\$187,183.07	\$388,224.05

Agenda Item No. 12

Invoices

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 3/26/2022 - 04/22/2022									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	03/30/22	02/28/22	BROWN, JOEL	1.50	188.18	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/01/22	BROWN, JOEL	1.50	188.18	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/02/22	BROWN, JOEL	0.50	62.73	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/03/22	BROWN, JOEL	5.00	627.25	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/07/22	BROWN, JOEL	1.00	125.45	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/08/22	BROWN, JOEL	1.00	125.45	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/09/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/10/22	BROWN, JOEL	4.00	501.80	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/11/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/14/22	BROWN, JOEL	2.50	313.63	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/16/22	BROWN, JOEL	3.00	376.35	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/17/22	BROWN, JOEL	3.00	376.35	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/21/22	BROWN, JOEL	1.50	188.18	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/24/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
984656	03/30/22	03/25/22	BROWN, JOEL	1.00	125.45	REGULAR	WRCCON	10000003309	ENG
984656	04/15/22	03/28/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
984656	04/15/22	03/30/22	BROWN, JOEL	1.50	188.18	REGULAR	WRCCON	10000003309	ENG
984656	04/15/22	03/31/22	BROWN, JOEL	3.00	376.35	REGULAR	WRCCON	10000003309	ENG
984656	04/15/22	04/01/22	BROWN, JOEL	1.50	188.18	REGULAR	WRCCON	10000003309	ENG
984656	04/15/22	04/04/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
984656	04/15/22	04/05/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
984656	04/15/22	04/07/22	BROWN, JOEL	2.50	313.63	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/11/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/13/22	BROWN, JOEL	1.00	125.45	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/14/22	BROWN, JOEL	3.00	376.35	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/15/22	BROWN, JOEL	1.50	188.18	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/18/22	BROWN, JOEL	1.50	188.18	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/19/22	BROWN, JOEL	2.50	313.63	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/20/22	BROWN, JOEL	2.50	313.63	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/21/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
984656	04/22/22	04/22/22	BROWN, JOEL	2.00	250.90	REGULAR	WRCCON	10000003309	ENG
			BROWN, JOEL Total		8,028.86				
1050210	04/07/22	04/05/22	CARLEY, JOSEPH	1.00	81.65	REGULAR	WRCCDM	10000003309	INS
1050210	04/20/22	04/19/22	CARLEY, JOSEPH	2.00	163.30	REGULAR	WRCCDM	10000003309	INS
1050210	04/22/22	04/22/22	CARLEY, JOSEPH	2.00	163.30	REGULAR	WRCCDM	10000003309	INS
			CARLEY, JOSEPH Total		408.25				
984656	03/28/22	03/14/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	03/28/22	03/15/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	03/28/22	03/16/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	03/28/22	03/17/22	LOCKHART, SIDNEY	3.00	409.11	REGULAR	WRCADM	10000003309	ENG
984656	03/28/22	03/18/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	03/28/22	03/21/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	03/28/22	03/22/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	03/28/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	03/29/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	03/30/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	03/31/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	04/01/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	04/04/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	04/05/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	04/06/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	04/07/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/14/22	04/08/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/11/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/12/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/13/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/14/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/15/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/18/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/19/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/20/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/21/22	LOCKHART, SIDNEY	2.00	272.74	REGULAR	WRCADM	10000003309	ENG
984656	04/22/22	04/22/22	LOCKHART, SIDNEY	1.00	136.37	REGULAR	WRCADM	10000003309	ENG
			LOCKHART, SIDNEY Total		5,863.91				
1050210	03/28/22	03/28/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	10000003309	INS
1050210	03/28/22	03/28/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	10000003309	INS
1050210	03/29/22	03/29/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	10000003309	INS
1050210	03/29/22	03/29/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	10000003309	INS
1050210	03/30/22	03/30/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	10000003309	INS
1050210	03/30/22	03/30/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	10000003309	INS
1050210	03/31/22	03/31/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	10000003309	INS
1050210	03/31/22	03/31/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	10000003309	INS
1050210	04/01/22	04/01/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	10000003309	INS
1050210	04/01/22	04/01/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	10000003309	INS
1050210	04/02/22	04/02/22	ROBERTS, PATRICK	9.00	738.00	OVERTIME	WRCCDM	10000003309	INS

1050210	04/04/22	04/04/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/04/22	04/04/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/05/22	04/05/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/05/22	04/05/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/06/22	04/06/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/06/22	04/06/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/07/22	04/07/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/07/22	04/07/22	ROBERTS, PATRICK	2.00	164.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/08/22	04/08/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/08/22	04/08/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/09/22	04/09/22	ROBERTS, PATRICK	9.00	738.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/11/22	04/11/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/11/22	04/11/22	ROBERTS, PATRICK	2.00	164.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/12/22	04/12/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/12/22	04/12/22	ROBERTS, PATRICK	2.00	164.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/13/22	04/13/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/14/22	04/14/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/14/22	04/14/22	ROBERTS, PATRICK	2.00	164.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/15/22	04/15/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/15/22	04/15/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/16/22	04/16/22	ROBERTS, PATRICK	8.00	656.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/18/22	04/18/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/18/22	04/18/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/19/22	04/19/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/20/22	04/20/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/20/22	04/20/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/21/22	04/21/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/21/22	04/21/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
1050210	04/22/22	04/22/22	ROBERTS, PATRICK	8.00	564.24	REGULAR	WRCCDM	100000003309	INS
1050210	04/22/22	04/22/22	ROBERTS, PATRICK	1.00	82.00	OVERTIME	WRCCDM	100000003309	INS
			ROBERTS, PATRICK Total		15,220.80				
			Grand Total		29,521.82				

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 3/26/2022 - 04/22/2022									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	03/30/22	02/28/22	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	02/28/22	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	02/28/22	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/01/22	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/01/22	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/01/22	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/02/22	BROWN, JOEL	0.50	0.20	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/02/22	BROWN, JOEL	0.50	1.17	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/02/22	BROWN, JOEL	0.50	0.13	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/03/22	BROWN, JOEL	5.00	2.00	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/03/22	BROWN, JOEL	5.00	1.25	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/03/22	BROWN, JOEL	5.00	11.70	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/07/22	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/07/22	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/07/22	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/08/22	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/08/22	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/08/22	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/09/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/09/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/09/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/10/22	BROWN, JOEL	4.00	1.00	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/10/22	BROWN, JOEL	4.00	1.60	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/10/22	BROWN, JOEL	4.00	9.36	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/11/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/11/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/11/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/14/22	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/14/22	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/14/22	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/16/22	BROWN, JOEL	3.00	1.20	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/16/22	BROWN, JOEL	3.00	7.02	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/16/22	BROWN, JOEL	3.00	0.75	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/17/22	BROWN, JOEL	3.00	0.75	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/17/22	BROWN, JOEL	3.00	7.02	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/17/22	BROWN, JOEL	3.00	1.20	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/21/22	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/21/22	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/21/22	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/24/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/24/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/30/22	03/24/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/25/22	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/30/22	03/25/22	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/30/22	03/25/22	BROWN, JOEL	1.00	2.34	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/15/22	03/28/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/15/22	03/28/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/15/22	03/28/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/15/22	03/30/22	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/15/22	03/30/22	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/15/22	03/30/22	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/15/22	03/31/22	BROWN, JOEL	3.00	0.75	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/15/22	03/31/22	BROWN, JOEL	3.00	7.02	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/15/22	03/31/22	BROWN, JOEL	3.00	1.20	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/15/22	04/04/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/15/22	04/04/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/15/22	04/04/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/15/22	04/05/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/15/22	04/05/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/15/22	04/05/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/15/22	04/07/22	BROWN, JOEL	2.50	0.63	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/15/22	04/07/22	BROWN, JOEL	2.50	5.85	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/15/22	04/07/22	BROWN, JOEL	2.50	1.00	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/15/22	04/01/22	BROWN, JOEL	1.50	0.38	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/15/22	04/01/22	BROWN, JOEL	1.50	0.60	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/15/22	04/01/22	BROWN, JOEL	1.50	3.51	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/11/22	BROWN, JOEL	2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/11/22	BROWN, JOEL	2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/22/22	04/11/22	BROWN, JOEL	2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/13/22	BROWN, JOEL	1.00	0.40	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/13/22	BROWN, JOEL	1.00	0.25	ASSIGNED	Tablet/iPad	10000003309	ENG

984656	04/22/22	04/13/22	BROWN, JOEL		1.00	2.34	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/14/22	BROWN, JOEL		3.00	1.20	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/14/22	BROWN, JOEL		3.00	0.75	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/22/22	04/14/22	BROWN, JOEL		3.00	7.02	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/15/22	BROWN, JOEL		1.50	0.38	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/22/22	04/15/22	BROWN, JOEL		1.50	0.60	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/15/22	BROWN, JOEL		1.50	3.51	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/18/22	BROWN, JOEL		1.50	0.60	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/18/22	BROWN, JOEL		1.50	3.51	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/18/22	BROWN, JOEL		1.50	0.38	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/22/22	04/19/22	BROWN, JOEL		2.50	1.00	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/19/22	BROWN, JOEL		2.50	5.85	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/19/22	BROWN, JOEL		2.50	0.63	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/22/22	04/20/22	BROWN, JOEL		2.50	0.63	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/22/22	04/20/22	BROWN, JOEL		2.50	1.00	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/20/22	BROWN, JOEL		2.50	5.85	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/21/22	BROWN, JOEL		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/22/22	04/21/22	BROWN, JOEL		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/21/22	BROWN, JOEL		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/22/22	04/22/22	BROWN, JOEL		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/22/22	04/22/22	BROWN, JOEL		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/22/22	04/22/22	BROWN, JOEL		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
			BROWN, JOEL Total			191.42				
1050210	04/07/22	04/05/22	CARLEY, JOSEPH		1.00	5.69	ASSIGNED	3/4 Ton Pick-up	10000003309	INS
1050210	04/07/22	04/05/22	CARLEY, JOSEPH		1.00	0.40	ASSIGNED	Cell Phone	10000003309	INS
1050210	04/07/22	04/05/22	CARLEY, JOSEPH		1.00	2.34	ASSIGNED	PC/Computer	10000003309	INS
1050210	04/20/22	04/19/22	CARLEY, JOSEPH		2.00	11.38	ASSIGNED	3/4 Ton Pick-up	10000003309	INS
1050210	04/20/22	04/19/22	CARLEY, JOSEPH		2.00	0.80	ASSIGNED	Cell Phone	10000003309	INS
1050210	04/20/22	04/19/22	CARLEY, JOSEPH		2.00	4.68	ASSIGNED	PC/Computer	10000003309	INS
1050210	04/22/22	04/22/22	CARLEY, JOSEPH		2.00	0.80	ASSIGNED	Cell Phone	10000003309	INS
1050210	04/22/22	04/22/22	CARLEY, JOSEPH		2.00	4.68	ASSIGNED	PC/Computer	10000003309	INS
1050210	04/22/22	04/22/22	CARLEY, JOSEPH		2.00	11.38	ASSIGNED	3/4 Ton Pick-up	10000003309	INS
			CARLEY, JOSEPH Total			42.15				
984656	03/28/22	03/14/22	LOCKHART, SIDNEY		2.00	11.38	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	03/28/22	03/14/22	LOCKHART, SIDNEY		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/28/22	03/14/22	LOCKHART, SIDNEY		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/28/22	03/14/22	LOCKHART, SIDNEY		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/28/22	03/15/22	LOCKHART, SIDNEY		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/28/22	03/15/22	LOCKHART, SIDNEY		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/28/22	03/15/22	LOCKHART, SIDNEY		2.00	11.38	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	03/28/22	03/15/22	LOCKHART, SIDNEY		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/28/22	03/16/22	LOCKHART, SIDNEY		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/28/22	03/16/22	LOCKHART, SIDNEY		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/28/22	03/16/22	LOCKHART, SIDNEY		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/28/22	03/16/22	LOCKHART, SIDNEY		2.00	11.38	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	03/28/22	03/17/22	LOCKHART, SIDNEY		3.00	7.02	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/28/22	03/17/22	LOCKHART, SIDNEY		3.00	1.20	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/28/22	03/17/22	LOCKHART, SIDNEY		3.00	17.07	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	03/28/22	03/17/22	LOCKHART, SIDNEY		3.00	0.75	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/28/22	03/18/22	LOCKHART, SIDNEY		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/28/22	03/18/22	LOCKHART, SIDNEY		2.00	11.38	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	03/28/22	03/18/22	LOCKHART, SIDNEY		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/28/22	03/18/22	LOCKHART, SIDNEY		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/28/22	03/21/22	LOCKHART, SIDNEY		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	03/28/22	03/21/22	LOCKHART, SIDNEY		2.00	11.38	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	03/28/22	03/21/22	LOCKHART, SIDNEY		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/28/22	03/21/22	LOCKHART, SIDNEY		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/28/22	03/22/22	LOCKHART, SIDNEY		2.00	11.38	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	03/28/22	03/22/22	LOCKHART, SIDNEY		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	03/28/22	03/22/22	LOCKHART, SIDNEY		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	03/28/22	03/22/22	LOCKHART, SIDNEY		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/14/22	03/28/22	LOCKHART, SIDNEY		1.00	0.40	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/14/22	03/28/22	LOCKHART, SIDNEY		1.00	0.25	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/14/22	03/28/22	LOCKHART, SIDNEY		1.00	5.69	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	04/14/22	03/28/22	LOCKHART, SIDNEY		1.00	2.34	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/14/22	03/29/22	LOCKHART, SIDNEY		2.00	11.38	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	04/14/22	03/29/22	LOCKHART, SIDNEY		2.00	4.68	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/14/22	03/29/22	LOCKHART, SIDNEY		2.00	0.80	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/14/22	03/29/22	LOCKHART, SIDNEY		2.00	0.50	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/14/22	03/30/22	LOCKHART, SIDNEY		1.00	0.40	ASSIGNED	Cell Phone	10000003309	ENG
984656	04/14/22	03/30/22	LOCKHART, SIDNEY		1.00	2.34	ASSIGNED	PC/Computer	10000003309	ENG
984656	04/14/22	03/30/22	LOCKHART, SIDNEY		1.00	5.69	ASSIGNED	Blazer/Suburbans	10000003309	ENG
984656	04/14/22	03/30/22	LOCKHART, SIDNEY		1.00	0.25	ASSIGNED	Tablet/iPad	10000003309	ENG
984656	04/14/22	03/31/22	LOCKHART, SIDNEY		2.00	11.38	ASSIGNED	Blazer/Suburbans	10000003309	ENG

1050210	04/13/22	04/13/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/14/22	04/14/22	ROBERTS, PATRICK	8.00	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/14/22	04/14/22	ROBERTS, PATRICK	8.00	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/14/22	04/14/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/14/22	04/14/22	ROBERTS, PATRICK	2.00	0.80	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/14/22	04/14/22	ROBERTS, PATRICK	2.00	4.68	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/14/22	04/14/22	ROBERTS, PATRICK	2.00	11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/15/22	04/15/22	ROBERTS, PATRICK	8.00	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/15/22	04/15/22	ROBERTS, PATRICK	8.00	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/15/22	04/15/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/15/22	04/15/22	ROBERTS, PATRICK	1.00	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/15/22	04/15/22	ROBERTS, PATRICK	1.00	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/15/22	04/15/22	ROBERTS, PATRICK	1.00	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/16/22	04/16/22	ROBERTS, PATRICK	8.00	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/16/22	04/16/22	ROBERTS, PATRICK	8.00	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/16/22	04/16/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/18/22	04/18/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/18/22	04/18/22	ROBERTS, PATRICK	8.00	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/18/22	04/18/22	ROBERTS, PATRICK	8.00	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/18/22	04/18/22	ROBERTS, PATRICK	1.00	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/18/22	04/18/22	ROBERTS, PATRICK	1.00	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/18/22	04/18/22	ROBERTS, PATRICK	1.00	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/19/22	04/19/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/19/22	04/19/22	ROBERTS, PATRICK	8.00	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/19/22	04/19/22	ROBERTS, PATRICK	8.00	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/20/22	04/20/22	ROBERTS, PATRICK	8.00	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/20/22	04/20/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/20/22	04/20/22	ROBERTS, PATRICK	8.00	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/20/22	04/20/22	ROBERTS, PATRICK	1.00	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/20/22	04/20/22	ROBERTS, PATRICK	1.00	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/20/22	04/20/22	ROBERTS, PATRICK	1.00	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/21/22	04/21/22	ROBERTS, PATRICK	8.00	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/21/22	04/21/22	ROBERTS, PATRICK	8.00	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/21/22	04/21/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/21/22	04/21/22	ROBERTS, PATRICK	1.00	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/21/22	04/21/22	ROBERTS, PATRICK	1.00	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/21/22	04/21/22	ROBERTS, PATRICK	1.00	2.34	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/22/22	04/22/22	ROBERTS, PATRICK	8.00	18.72	ASSIGNED	PC/Computer	100000003309	INS
1050210	04/22/22	04/22/22	ROBERTS, PATRICK	8.00	45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/22/22	04/22/22	ROBERTS, PATRICK	8.00	3.20	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/22/22	04/22/22	ROBERTS, PATRICK	1.00	0.40	ASSIGNED	Cell Phone	100000003309	INS
1050210	04/22/22	04/22/22	ROBERTS, PATRICK	1.00	5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
1050210	04/22/22	04/22/22	ROBERTS, PATRICK	1.00	2.34	ASSIGNED	PC/Computer	100000003309	INS
			ROBERTS, PATRICK Total		1,753.44				
			Grand Total		2,360.25				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 3/26/2022 - 04/22/2022									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984657	03/30/22	02/28/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/01/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/02/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/04/22	BROWN, JOEL	8	1,003.60	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/08/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/10/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/11/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/14/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/15/22	BROWN, JOEL	4	501.80	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/16/22	BROWN, JOEL	3	376.35	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/17/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/18/22	BROWN, JOEL	4	501.80	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/21/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/22/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/23/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/24/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	03/30/22	03/25/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	04/15/22	03/28/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	04/15/22	03/29/22	BROWN, JOEL	4	501.80	REGULAR	WRCCON	10000003308	ENG
984657	04/15/22	03/30/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	10000003308	ENG
984657	04/15/22	04/01/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	10000003308	ENG
984657	04/15/22	04/04/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	04/15/22	04/05/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	10000003308	ENG
984657	04/15/22	04/06/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	10000003308	ENG
984657	04/15/22	04/07/22	BROWN, JOEL	2.5	313.63	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/11/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/12/22	BROWN, JOEL	2.5	313.63	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/13/22	BROWN, JOEL	1	125.45	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/14/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/15/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/18/22	BROWN, JOEL	4.5	564.53	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/19/22	BROWN, JOEL	3	376.35	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/20/22	BROWN, JOEL	2.5	313.63	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/21/22	BROWN, JOEL	2	250.90	REGULAR	WRCCON	10000003308	ENG
984657	04/22/22	04/22/22	BROWN, JOEL	1.5	188.18	REGULAR	WRCCON	10000003308	ENG
			BROWN, JOEL Total		9,910.60				
984657	03/28/22	03/23/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	10000003308	ENG
984657	03/28/22	03/24/22	LOCKHART, SIDNEY	1	136.37	REGULAR	WRCADM	10000003308	ENG
984657	03/28/22	03/25/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	10000003308	ENG
984657	04/14/22	03/29/22	LOCKHART, SIDNEY	1	136.37	REGULAR	WRCADM	10000003308	ENG
984657	04/14/22	03/30/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	10000003308	ENG
984657	04/14/22	03/31/22	LOCKHART, SIDNEY	1	136.37	REGULAR	WRCADM	10000003308	ENG
984657	04/14/22	04/01/22	LOCKHART, SIDNEY	1	136.37	REGULAR	WRCADM	10000003308	ENG
984657	04/22/22	04/12/22	LOCKHART, SIDNEY	1	136.37	REGULAR	WRCADM	10000003308	ENG
984657	04/22/22	04/13/22	LOCKHART, SIDNEY	2	272.74	REGULAR	WRCADM	10000003308	ENG
984657	04/22/22	04/14/22	LOCKHART, SIDNEY	1	136.37	REGULAR	WRCADM	10000003308	ENG
984657	04/22/22	04/15/22	LOCKHART, SIDNEY	1	136.37	REGULAR	WRCADM	10000003308	ENG
			LOCKHART, SIDNEY Total		2,045.55				
984662	03/26/22	03/24/22	PARROTT, JEFFREY	1	94.92	OVERTIME	WRCROW	10000003308	ROW
984662	04/20/22	04/19/22	PARROTT, JEFFREY	1.5	122.48	REGULAR	WRCROW	10000003308	ROW
984662	04/20/22	04/20/22	PARROTT, JEFFREY	3	244.95	REGULAR	WRCROW	10000003308	ROW
984662	04/20/22	04/21/22	PARROTT, JEFFREY	2	163.30	REGULAR	WRCROW	10000003308	ROW
			PARROTT, JEFFREY Total		625.65				
			Grand Total		12,581.80				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 3/26/2022 - 04/22/2022										
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity	
984657	03/30/22	02/28/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	02/28/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	02/28/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/01/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/01/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/01/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/04/22	BROWN, JOEL	8	18.72	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/04/22	BROWN, JOEL	8	3.20	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/04/22	BROWN, JOEL	8	2.00	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/08/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/08/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/08/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/10/22	BROWN, JOEL	1	0.40	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/10/22	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/10/22	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/11/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/11/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/11/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/14/22	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/14/22	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/14/22	BROWN, JOEL	1	0.40	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/15/22	BROWN, JOEL	4	9.36	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/15/22	BROWN, JOEL	4	1.60	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/15/22	BROWN, JOEL	4	1.00	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/16/22	BROWN, JOEL	3	7.02	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/16/22	BROWN, JOEL	3	0.75	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/16/22	BROWN, JOEL	3	1.20	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/17/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/17/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/17/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/18/22	BROWN, JOEL	4	1.60	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/18/22	BROWN, JOEL	4	9.36	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/18/22	BROWN, JOEL	4	1.00	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/21/22	BROWN, JOEL	1.5	0.60	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/21/22	BROWN, JOEL	1.5	3.51	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/21/22	BROWN, JOEL	1.5	0.38	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/22/22	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/22/22	BROWN, JOEL	1	0.40	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/22/22	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/23/22	BROWN, JOEL	1	0.40	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/23/22	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/23/22	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/24/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/24/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/24/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/25/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	03/30/22	03/25/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/25/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/02/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	03/30/22	03/02/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	03/30/22	03/02/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	04/15/22	03/29/22	BROWN, JOEL	4	1.00	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	04/15/22	03/29/22	BROWN, JOEL	4	1.60	ASSIGNED	Cell Phone	100000003308	ENG	
984657	04/15/22	03/29/22	BROWN, JOEL	4	9.36	ASSIGNED	PC/Computer	100000003308	ENG	
984657	04/15/22	03/30/22	BROWN, JOEL	1.5	3.51	ASSIGNED	PC/Computer	100000003308	ENG	
984657	04/15/22	03/30/22	BROWN, JOEL	1.5	0.60	ASSIGNED	Cell Phone	100000003308	ENG	
984657	04/15/22	03/30/22	BROWN, JOEL	1.5	0.38	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	04/15/22	04/04/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	04/15/22	04/04/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	04/15/22	04/04/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	04/15/22	04/05/22	BROWN, JOEL	1	2.34	ASSIGNED	PC/Computer	100000003308	ENG	
984657	04/15/22	04/05/22	BROWN, JOEL	1	0.40	ASSIGNED	Cell Phone	100000003308	ENG	
984657	04/15/22	04/05/22	BROWN, JOEL	1	0.25	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	04/15/22	04/07/22	BROWN, JOEL	2.5	5.85	ASSIGNED	PC/Computer	100000003308	ENG	
984657	04/15/22	04/07/22	BROWN, JOEL	2.5	0.63	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	04/15/22	04/07/22	BROWN, JOEL	2.5	1.00	ASSIGNED	Cell Phone	100000003308	ENG	
984657	04/15/22	04/01/22	BROWN, JOEL	1.5	0.60	ASSIGNED	Cell Phone	100000003308	ENG	
984657	04/15/22	04/01/22	BROWN, JOEL	1.5	0.38	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	04/15/22	04/01/22	BROWN, JOEL	1.5	3.51	ASSIGNED	PC/Computer	100000003308	ENG	
984657	04/15/22	03/28/22	BROWN, JOEL	2	4.68	ASSIGNED	PC/Computer	100000003308	ENG	
984657	04/15/22	03/28/22	BROWN, JOEL	2	0.80	ASSIGNED	Cell Phone	100000003308	ENG	
984657	04/15/22	03/28/22	BROWN, JOEL	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ENG	
984657	04/15/22	04/06/22	BROWN, JOEL	1.5	0.60	ASSIGNED	Cell Phone	100000003308	ENG	
984657	04/15/22	04/06/22	BROWN, JOEL	1.5	3.51	ASSIGNED	PC/Computer	100000003308	ENG	
984657	04/15/22	04/06/22	BROWN, JOEL	1.5	0.38	ASSIGNED	Tablet/iPad	100000003308	ENG	

984657	04/22/22	04/11/22	BROWN, JOEL		2	4.68	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/11/22	BROWN, JOEL		2	0.80	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/11/22	BROWN, JOEL		2	0.50	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/12/22	BROWN, JOEL		2.5	0.63	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/12/22	BROWN, JOEL		2.5	1.00	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/12/22	BROWN, JOEL		2.5	5.85	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/13/22	BROWN, JOEL		1	0.25	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/13/22	BROWN, JOEL		1	0.40	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/13/22	BROWN, JOEL		1	2.34	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/14/22	BROWN, JOEL		2	0.80	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/14/22	BROWN, JOEL		2	4.68	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/14/22	BROWN, JOEL		2	0.50	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/15/22	BROWN, JOEL		1.5	3.51	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/15/22	BROWN, JOEL		1.5	0.60	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/15/22	BROWN, JOEL		1.5	0.38	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/18/22	BROWN, JOEL		4.5	1.13	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/18/22	BROWN, JOEL		4.5	1.80	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/18/22	BROWN, JOEL		4.5	10.53	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/19/22	BROWN, JOEL		3	7.02	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/19/22	BROWN, JOEL		3	1.20	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/19/22	BROWN, JOEL		3	0.75	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/20/22	BROWN, JOEL		2.5	0.63	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/20/22	BROWN, JOEL		2.5	1.00	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/20/22	BROWN, JOEL		2.5	5.85	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/21/22	BROWN, JOEL		2	0.80	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/21/22	BROWN, JOEL		2	4.68	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/21/22	BROWN, JOEL		2	0.50	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/22/22	BROWN, JOEL		1.5	0.60	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/22/22	BROWN, JOEL		1.5	3.51	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/22/22	BROWN, JOEL		1.5	0.38	ASSIGNED	Tablet/iPad	10000003308	ENG
			BROWN, JOEL Total			236.26				
984657	03/28/22	03/23/22	LOCKHART, SIDNEY		2	4.68	ASSIGNED	PC/Computer	10000003308	ENG
984657	03/28/22	03/23/22	LOCKHART, SIDNEY		2	11.38	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	03/28/22	03/23/22	LOCKHART, SIDNEY		2	0.80	ASSIGNED	Cell Phone	10000003308	ENG
984657	03/28/22	03/23/22	LOCKHART, SIDNEY		2	0.50	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	03/28/22	03/24/22	LOCKHART, SIDNEY		1	5.69	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	03/28/22	03/24/22	LOCKHART, SIDNEY		1	0.25	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	03/28/22	03/24/22	LOCKHART, SIDNEY		1	0.40	ASSIGNED	Cell Phone	10000003308	ENG
984657	03/28/22	03/24/22	LOCKHART, SIDNEY		1	2.34	ASSIGNED	PC/Computer	10000003308	ENG
984657	03/28/22	03/25/22	LOCKHART, SIDNEY		2	11.38	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	03/28/22	03/25/22	LOCKHART, SIDNEY		2	0.50	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	03/28/22	03/25/22	LOCKHART, SIDNEY		2	0.80	ASSIGNED	Cell Phone	10000003308	ENG
984657	03/28/22	03/25/22	LOCKHART, SIDNEY		2	4.68	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/14/22	03/29/22	LOCKHART, SIDNEY		1	5.69	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	04/14/22	03/29/22	LOCKHART, SIDNEY		1	0.25	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/14/22	03/29/22	LOCKHART, SIDNEY		1	0.40	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/14/22	03/29/22	LOCKHART, SIDNEY		1	2.34	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/14/22	03/30/22	LOCKHART, SIDNEY		2	11.38	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	04/14/22	03/30/22	LOCKHART, SIDNEY		2	0.50	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/14/22	03/30/22	LOCKHART, SIDNEY		2	0.80	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/14/22	03/30/22	LOCKHART, SIDNEY		2	4.68	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/14/22	03/31/22	LOCKHART, SIDNEY		1	0.40	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/14/22	03/31/22	LOCKHART, SIDNEY		1	2.34	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/14/22	03/31/22	LOCKHART, SIDNEY		1	0.25	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/14/22	03/31/22	LOCKHART, SIDNEY		1	5.69	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	04/14/22	04/01/22	LOCKHART, SIDNEY		1	0.40	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/14/22	04/01/22	LOCKHART, SIDNEY		1	2.34	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/14/22	04/01/22	LOCKHART, SIDNEY		1	5.69	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	04/14/22	04/01/22	LOCKHART, SIDNEY		1	0.25	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/12/22	LOCKHART, SIDNEY		1	5.69	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	04/22/22	04/12/22	LOCKHART, SIDNEY		1	0.25	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/12/22	LOCKHART, SIDNEY		1	0.40	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/12/22	LOCKHART, SIDNEY		1	2.34	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/13/22	LOCKHART, SIDNEY		2	0.80	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/13/22	LOCKHART, SIDNEY		2	4.68	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/13/22	LOCKHART, SIDNEY		2	11.38	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	04/22/22	04/13/22	LOCKHART, SIDNEY		2	0.50	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/14/22	LOCKHART, SIDNEY		1	2.34	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/14/22	LOCKHART, SIDNEY		1	0.40	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/14/22	LOCKHART, SIDNEY		1	0.25	ASSIGNED	Tablet/iPad	10000003308	ENG
984657	04/22/22	04/14/22	LOCKHART, SIDNEY		1	5.69	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	04/22/22	04/15/22	LOCKHART, SIDNEY		1	0.40	ASSIGNED	Cell Phone	10000003308	ENG
984657	04/22/22	04/15/22	LOCKHART, SIDNEY		1	2.34	ASSIGNED	PC/Computer	10000003308	ENG
984657	04/22/22	04/15/22	LOCKHART, SIDNEY		1	5.69	ASSIGNED	Blazer/Suburbans	10000003308	ENG
984657	04/22/22	04/15/22	LOCKHART, SIDNEY		1	0.25	ASSIGNED	Tablet/iPad	10000003308	ENG
			LOCKHART, SIDNEY Total			130.20				
984662	03/26/22	03/24/22	PARROTT, JEFFREY		1	2.34	ASSIGNED	PC/Computer	10000003308	ROW
984662	03/26/22	03/24/22	PARROTT, JEFFREY		1	0.40	ASSIGNED	Cell Phone	10000003308	ROW

984662	03/26/22	03/24/22	PARROTT, JEFFREY	1	0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	04/20/22	04/19/22	PARROTT, JEFFREY	1.5	0.38	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	04/20/22	04/19/22	PARROTT, JEFFREY	1.5	3.51	ASSIGNED	PC/Computer	100000003308	ROW
984662	04/20/22	04/19/22	PARROTT, JEFFREY	1.5	0.60	ASSIGNED	Cell Phone	100000003308	ROW
984662	04/20/22	04/20/22	PARROTT, JEFFREY	3	1.20	ASSIGNED	Cell Phone	100000003308	ROW
984662	04/20/22	04/20/22	PARROTT, JEFFREY	3	0.75	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	04/20/22	04/20/22	PARROTT, JEFFREY	3	7.02	ASSIGNED	PC/Computer	100000003308	ROW
984662	04/20/22	04/21/22	PARROTT, JEFFREY	2	0.80	ASSIGNED	Cell Phone	100000003308	ROW
984662	04/20/22	04/21/22	PARROTT, JEFFREY	2	4.68	ASSIGNED	PC/Computer	100000003308	ROW
984662	04/20/22	04/21/22	PARROTT, JEFFREY	2	0.50	ASSIGNED	Tablet/iPad	100000003308	ROW
			PARROTT, JEFFREY Total		22.43				
			Grand Total		388.89				



Applied Science, Inc.

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

May 4, 2022

Project Invoice #39 (ASI Inv. #8118)

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

li# 41133 v#352

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

Invoice Period: 3/27/22-4/30/22

Task No.	Task Description	Total This Invoice
1	Transition & Basis of Design	
	Total:	\$ -
		Total This Invoice
2	Design Services for Pump & Electrical Upgrades	
	Total:	\$ -
	Subconsultants:	
	FK Engineering:	\$ -
	NTH Consultants	\$ -
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	\$ -
		Total This Invoice
3	Additional Special Services	
	Total:	\$ -
	Subconsultants:	
	FK Engineering:	\$ -
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	\$ -
		Total This Invoice
5	Construction Services	
	Total:	\$ 17,880.00
	Subconsultants:	
	NTH Consultants	\$ 33,647.53
	Metco Services	\$ 19,849.00
	FK Engineering:	\$ 5,010.00
	ASI Markup 5%:	\$ 2,925.33
	Direct Expenses:	\$ 2,614.86
	Total Due This Invoice:	\$ 81,926.72
Total Due This Invoice:		\$ 81,926.72
Previous Amount Invoiced:		\$ 2,982,518.23
Total Invoiced To-Date		\$ 3,064,444.95
Original Contract Task Total:		\$ 4,198,380.00
Additional Budget:		\$ 284,076.60
Current Contract Task Total:		\$ 4,482,456.60
Amount Remaining:		\$ 1,418,011.65

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

JTB 5/10/2022



LG Design is a Subsidiary of CH2M Hill Engineers

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

Invoice Contact:
Sandy.Pepper@Jacobs.com

Remit to:

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

Invoice Date: 5/4/2022
CH2M HILL Project No. 705773CH
CH2M HILL Invoice No. 705773CH038
Sequential Invoice Number: 39

PROFESSIONAL SERVICES RENDERED FOR THE OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)
BIOTRICKLING FILTER DESIGN AND CONSTRUCTION OVERSIGHT
This invoice includes labor and expenses for the period:
From April 2, 2022 through April 29, 2022

**82912 - 6010101 - 149090 - 730639 - 5456 - Ch 21 -
v#22147- exp. 6/26/23 - li#41407**

5/9/2022

Authorized Amount: \$ 1,272,470.46
Current Invoice: \$ 1,190.42
Total Invoiced: \$ 1,259,639.74
Percent Complete: 98.99%
Remaining Budget: \$ 12,830.72

Total Amount Due: \$ 1,190.42

Project/Task Number	Description	Total Budget	Previously Invoiced	Current Invoice	Total Invoiced	Percent Spent	Remaining Budget
1	PROJECT MANAGEMENT	\$ 33,527.00	\$ 33,504.07	\$ -	\$ 33,504.07	99.93%	\$ 22.93
2	PRELIMINARY DESIGN	\$ 73,599.00	\$ 73,519.37	\$ -	\$ 73,519.37	99.89%	\$ 79.63
3	FINAL DESIGN	\$ 195,027.00	\$ 195,009.84	\$ -	\$ 195,009.84	99.99%	\$ 17.16
4	BIDDING	\$ 31,841.46	\$ 31,840.94	\$ -	\$ 31,840.94	100.00%	\$ 0.52
5	CONSTRUCTION OBSERVATION	\$ 325,731.16	\$ 325,711.92	\$ -	\$ 325,711.92	99.99%	\$ 19.24
6	REVIEW SUBMITTALS	\$ 85,648.00	\$ 85,581.87	\$ -	\$ 85,581.87	99.92%	\$ 66.13
7	CHANGES & CLAIMS	\$ 17,361.00	\$ 17,274.11	\$ -	\$ 17,274.11	99.50%	\$ 86.89
8	SITE INSPECTION	\$ 31,998.07	\$ 31,975.53	\$ -	\$ 31,975.53	99.93%	\$ 22.54
9	PREPARE O&M MANUAL	\$ 21,715.50	\$ 21,695.78	\$ -	\$ 21,695.78	99.91%	\$ 19.72
10	PROVIDE OPERATING TRAINING	\$ 9,082.00	\$ 9,062.30	\$ -	\$ 9,062.30	99.78%	\$ 19.70
11	ASSIST WITH FACILITY START-UP	\$ 17,129.00	\$ 17,081.46	\$ -	\$ 17,081.46	99.72%	\$ 47.54
12	PREPARE RECORD DRAWINGS	\$ 9,803.00	\$ 9,715.13	\$ -	\$ 9,715.13	99.10%	\$ 87.87
13	WARRANTY & PERFORMANCE REVIEWS	\$ 15,370.00	\$ 15,352.92	\$ -	\$ 15,352.92	99.89%	\$ 17.08
14	PROJECT PLANNING	\$ 25,000.00	\$ 24,997.75	\$ -	\$ 24,997.75	99.99%	\$ 2.25
EX	EXPENSES	\$ 17,175.62	\$ 17,175.62	\$ -	\$ 17,175.62	100.00%	\$ -
SUB.METCO	ELECTRICAL ENGINEERING	\$ 74,194.50	\$ 74,194.50	\$ -	\$ 74,194.50	100.00%	\$ -
SUB.NTH	GEOTECH INVESTIGATION	\$ 262,327.15	\$ 262,327.15	\$ -	\$ 262,327.15	100.00%	\$ -
SUB.SDA	SITE SURVEY	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100.00%	\$ -
Subtotal:		\$ 1,251,779.46	\$ 1,251,270.26	\$ -	\$ 1,251,270.26	99.96%	\$ 509.20
Allowance		\$ 20,691.00	\$ 7,179.06	\$ 1,190.42	\$ 8,369.48	40.45%	\$ 12,321.52
Total:		\$ 1,272,470.46	\$ 1,258,449.33	\$ 1,190.42	\$ 1,259,639.74	98.99%	\$ 12,830.72

OUTSTANDING INVOICES:

INVOICE DATE	INVOICE #	AMOUNT
Total:		\$ -
Current invoice		\$ 1,190.42
TOTAL DUE:		\$ 1,190.42

Payment term: 30 calendar days (NET)

FINANCE CHARGES WILL BE ASSESSED AT 1½ PERCENT PER MONTH (OR MAXIMUM PERMISSIBLE UNDER STATE LAW) ON ALL ACCOUNTS OVERDUE UNLESS STATED OTHERWISE IN OUR CONTRACT. CH2M HILL IS INCORPORATED.

Electronic payment details:

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



Invoice date: 5/4/2022
Project Number: 705773CH
Sequential Invoice Number: 39
Invoice Number: 705773CH038

ALLOWANCE

Employee Name	Project Role	Hours	Rate	Bill Amount
<i>Matteo, Jason</i>	<i>Project Manager</i>	3.00	\$ 291.83	\$ 875.49
<i>Roberts, Stephen</i>	<i>Lead RPR</i>	1.00	\$ 182.49	\$ 182.49
<i>Siebers, Richard</i>	<i>Architectural Lead</i>	0.50	\$ 206.88	\$ 103.44
<i>Wojcik, Barbara</i>	<i>Project Accountant</i>	1.00	\$ 29.00	\$ 29.00
		5.50	Total Labor:	\$ 1,190.42

Description	Bill Amount
<i>None this period</i>	\$ -

Total Amount This Task: \$ 1,190.42



SBR

82912 - 6010101 - 149030 - 731073 -5113 - v#2788 - exp.
5/15/22

5/9/2022

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

Invoice: 1194098
Date: 04/15/2022
Client: 58434
Matter: 424741

Matter Name: GLWA Model Wastewater Contract
GLWA Model Wastewater Contract

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH MARCH 31, 2022

Total Fees:	\$	297.00
Total Due This Invoice:	\$	297.00



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

5/9/2022

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


Invoice: 1194100
Date: 04/15/2022
Client: 58434
Matter: 404547

Matter Name: Northeast Interceptor East Arm Improvements
Northeast Interceptor East Arm Improvements

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH MARCH 31, 2022

Total Fees:	\$	918.00
Total Due This Invoice:	\$	918.00

Vendor	No.	Description	Unit Price	Total
Macomb		PVC Fittings		\$176.03
BioAir		RTD/Thermowell		\$778.13



CSM MECHANICAL, LLC
7400 HICKORY VALLEY DRIVE
FENTON, MI 48430
TEL: 248.521.0981 FAX: 517.540.9704

WWW.CSMMECHANICAL.COM

CUSTOMER P.O. NO.		DATE OF INVOICE	4/14/2022	CSM JOB #	
CONTACT:		PHONE NO.			210MIDD-017
JOB NAME	RTD Repair for Bio Trickle Filter				
ADDRESS					
SERVICE REQUESTED OR TROUBLE REPORTED:					
RTD Not reading correct temp.					

ENVIRONMENT CHECK LIST

CHRG. CODE	TYPE REFRIG.	SYS QTY.	EQUIPMENT	CHANGED OUT OR REPLACED? Y/N	
				DIS-MANTLED? Y/N	REFRIGERATOR DISPOSAL? Y/N
1	RECOVERED? Y/N	QTY.	REFRIGERANT		
2	RECYCLED? Y/N	QTY.			
3	RECLAIMED? Y/N	QTY.			
	RETURNED TO THIS SYSTEM? Y/N	QTY.			
4	DISPOSAL				
	NON USABLE? Y/N	QTY.			
5	DISPOSAL				

MAKE	MODEL	SERIAL NO.	WARRANTY
			CONTRACT
			SERVICE CONTRACT
			NORMAL

SERVICE PERFORMED:

Isolate water feed to bio filter.
 Remove RTD from 3" tee.
 Remove 3" tee and replace with 3" coupling and new 3" tee with shorter port.
 Return RTD to tee threading stem down to reach full flow.
 The pipe is the insulated

82912 - 6010101 -149090- 730660 - 6194 - Ch. 21- V#15750 li#44348 exp. 9/30/23

JJ B...
 5/9/2022 *TM-5-5-22*

DATE	SERVICE ENGINEER	HOURS			LABOR AMOUNT	EQUIPMENT RENTAL
		ST	OT	DT		
3/16/2022	TJ Fields	2			\$190.00	CARTAGE
4/1/2022	TJ Fields	4			\$380.00	MATERIAL
4/1/2022	Daryl Jordan	4			\$380.00	FED REFRIG FEE
						TAX
						VEH/TOOL ALLOW
						TOTAL LABOR
						OVERHEAD & PROFIT (15%)
						TOTAL

RECOMMENDATIONS OR ADDITIONAL REPAIRS NEEDED:	<small>PARTS WARRANTY: ALL PARTS AS RECORDED ARE WARRANTED AS PER MANUFACTURER SPECIFICATIONS. LABOR GUARANTY THE LABOR CHARGE AS RECORDED HERE RELATIVE TO THE EQUIPMENT SERVICE AS NOTED IS GUARANTEED FOR A PERIOD OF 30 DAYS. WE DO NOT, OF COURSE GUARANTEE OTHER PARTS THAN THOSE WE INSTALL. IF REPAIRS LATER BECOME NECESSARY DUE TO OTHER DEFECTIVE PARTS, THEY WILL BE CHARGED SEPARATELY.</small>

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	<input checked="" type="checkbox"/> COMPLETE
	<i>TK</i>	<input type="checkbox"/> INCOMPLETE



Knowledgeable • Professional • Attentive • Likeable

29770 Hudson Drive Novi, MI 48377
Phone: (586) 978-7200
hesco-mi.com

Invoice No. 2213585

Date: 04/27/2022

82912 - 149130 - 730660 - 5819 - Ch. 21 - v#3091 - exp.
6/30/22 - li#42703

Billed To: OMID Drainage District
1 Public Works Drive
Waterford MI 48328

5/10/2022

Project: 2019807S OMID Flow Control Structures

Contact: Terry Moore P.O.# Sewer Fund #149130 Salesperson: David Burkel Due Date: 05/27/2022

Description	Unit	Qty	Rate	Amount
3/30/22 CS-6 Counterbalance Valve Removal				
WO 00585 – CS-6				
Senior Tech	Hours	7.00	185.00	1,295.00
Michael Sieron				
Tech 1	Hours	7.00	120.00	840.00
Jason Dietz				
Tech 1	Hours	7.00	120.00	840.00
Ken Jahn				
Tech 1	Hours	7.00	120.00	840.00
Matt Kierczak				

Notes:

WO 00585 – CS-6

TM-5-5-22

Non-Taxable Amount:	3,815.00
Taxable Amount:	0.00
Sales Tax:	0.00
Total Invoice	3,815.00
Payments/Credits:	0.00
Amount Due	3,815.00

INVOICE		
DATE	NUMBER	PAGE
11/18/2021	628439	1 of 1

B OMI100
I OAKLAND MACOMB INTERCEPTOR DRA
L 1 PUBLIC WORKS DR.
L SUBMIT INVOICES TO NEXGEN
T WATERFORD, MI 48328
O

S NORTH EAST PUMPING STATION
H 8598 E. STATE FAIR AVE
I DETROIT, MI 48234
P

82912-6010101-149090-730660-5825-ch.21-v#239 exp.

ATTENTION: **6/30/22**
TERRY MOORE 313-8297207

TMOORE@METCOSERVICES.COM

J. Moore

5/10/2022

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
	0105960	NORTHEAST PUMP STATION, FIELD SERVICE, SANITARY	KES/PM	FIELD SERVICE	NET 60

QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				
0.00	7.50	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 10/29/2021. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$110.00	\$825.00
0.00	1.00	TRAVEL	SERVICE TRUCK	\$33.00	\$33.00

TM-4-28-22

**PLEASE REMIT TO:
KENNEDY INDUSTRIES, INC.
P.O. BOX 930079
WIXOM, MI 48393**

<p>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website</p> <p>*TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE *A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE *CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE</p>	SUBTOTAL:	\$858.00
	TAX:	\$0.00
	TOTAL:	\$858.00



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

INVOICE		
DATE	NUMBER	PAGE
2/22/2022	629779	1 of 1

B OMI100
I OAKLAND MACOMB INTERCEPTOR DRA
L 1 PUBLIC WORKS DR.
L SUBMIT INVOICES TO NEXGEN
T WATERFORD, MI 48328
O

S NORTH EAST PUMPING STATION
H 8598 E. STATE FAIR AVE
I DETROIT, MI 48234
P

82912-6010101-149090-730660-5825-ch.21-v#239 exp.

ATTENTION:
TERRY MOORE

6/30/22

313-8297207

TMOORE@METCOSERVICES.COM

John Moore

5/10/2022

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
	0105960	NORTHEAST PUMP STATION, FIELD SERVICE, SANITARY	KES/PM	FIELD SERVICE	NET 60

QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				

0.00	9.00	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 1/27/2022. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$110.00	\$990.00
0.00	1.00	TRAVEL	SERVICE TRUCK	\$99.00	\$99.00

PLEASE REMIT TO:
KENNEDY INDUSTRIES, INC.
P.O. BOX 930079
WIXOM, MI 48393

TM-4-29-22
w.o. 493

<small>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website</small> *TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE *A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE *CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE	SUBTOTAL:	\$1,089.00
	TAX:	\$0.00
	TOTAL:	\$1,089.00

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

www.KennedyInd.com



KENNEDY
INDUSTRIES

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WO 530

INVOICE		
DATE	NUMBER	PAGE
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B OMI100
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L SUBMIT INVOICES TO NEXGEN
T WATERFORD, MI 48328
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S NORTH EAST PUMPING STATION
H 8598 E. STATE FAIR AVE
I DETROIT, MI 48234
P
T
O

82912-6010101-149090-730660-5825-ch.21-v#239

ATTENTION:
TERRY MOORE

exp. 6/30/22
313-8297207

JM *BM*

5/10/2022
TMOORE@METCOSERVICES.COM

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
	0105960	NORTHEAST PUMP STATION, FIELD SERVICE, SANITARY	KES/PM	FIELD SERVICE	NET 60

QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				
0.00	10.25	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 2/25/2022. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$110.00	\$1,127.50
0.00	1.00	TRAVEL	SERVICE TRUCK	\$33.00	\$33.00

PLEASE REMIT TO:
KENNEDY INDUSTRIES, INC.
P.O. BOX 930079
WIXOM, MI 48393

TM-4-29-22

<p>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website</p> <p>*TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE *A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE *CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE</p>	SUBTOTAL:	\$1,160.50
	TAX:	\$0.00
	TOTAL:	\$1,160.50

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

www.KennedyInd.com



KENNEDY INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

INVOICE		
DATE	NUMBER	PAGE
4/6/2022	630563	1 of 1

B OMI100
I OAKLAND MACOMB INTERCEPTOR DRA
L 1 PUBLIC WORKS DR.
L SUBMIT INVOICES TO NEXGEN
T WATERFORD, MI 48328
O

S NORTH EAST PUMPING STATION
H 11001 E. STATE FAIR AVE
I DETROIT, MI 48234
P

T
O

82912-6010101-149090-730660-5825-ch.21-v#239 exp.

ATTENTION:
DARRIN GREEN

6/30/22

586-214-5877

JL *Bru*

5/10/2022

DBGreen@metcoservices.com

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
	0115245	GREAT LAKES WATER AUTHORITY, NORTHEAST PUMP STATION, TROUBLESHOOT, DEWATERING	KES/KTT	FIELD SERVICE	NET 60

QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				
0.00	2.50	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (1) FIELD SERVICE TECHNICIAN(S) ONSITE ON 4/4/2022. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$144.00	\$360.00
0.00	1.00	TRAVEL	SERVICE TRUCK	\$33.00	\$33.00

TM - 4-11-22

PLEASE REMIT TO:
KENNEDY INDUSTRIES, INC.
P.O. BOX 930079
WIXOM, MI 48393

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***TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE *A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE *CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE**

SUBTOTAL: \$393.00
TAX: \$0.00
TOTAL: \$393.00

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

www.KennedyInd.com



KENNEDY
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INVOICE		
DATE	NUMBER	PAGE
4/29/2022	630924	1 of 1

B OMI100
I OAKLAND MACOMB INTERCEPTOR DRA
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L SUBMIT INVOICES TO NEXGEN
T WATERFORD, MI 48328
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S NORTH EAST PUMPING STATION
H 11001 E. STATE FAIR AVE
I DETROIT, MI 48234
P

82912-6010101-149090-730660-5825-ch.21-v#239

exp. 6/30/22

Jed B...

5/10/2022

ATTENTION:

TERRY MOORE

313-8297207

TMOORE@METCOSERVICES.COM

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
	0115442	GREAT LAKES WATER AUTHORITY, NEPS, TROUBLESHOOT, SANITARY	KES/KTT	FIELD SERVICE	NET 60

QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				

0.00	6.50	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 4/13/2022 AT STANDARD RATES. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$110.00	\$715.00
0.00	7.50	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 4/13/2022 AT OVERTIME RATES. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$144.00	\$1,080.00
0.00	1.00	TRAVEL	SERVICE TRUCK	\$33.00	\$33.00
	1.00	PARTS USED	(2) MECHANICAL SEALS	\$8,657.20	\$8,657.20

TM-5-5-22

PLEASE REMIT TO:
KENNEDY INDUSTRIES, INC.
P.O. BOX 930079
WIXOM, MI 48393

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	TAX:	\$0.00
	TOTAL:	\$10,485.20

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

www.KennedyInd.com



INVOICE NO. 1811-40

DATE: May 5, 2022

METCO PROJECT NO. 1811

INVOICE PERIOD: 4/4 thru 5/1/22

Contract ID 00000000000000000000517

Vendor ID 000020486

TO: OMIDD

Water Resources Commissioner
One Public Works Drive
Waterford, MI 48328

Attn: Mr. Sid Lockhart, PE
Deputy Chief Engineer/Special Projects Manager

TITLE: OMID & NESPS Operation and Maintenance

Operational Plan

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

5/10/2022

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	38.0	\$ 145.00	\$ 5,510.00
Terry Moore	Operations Manager (Overtim	4.0	\$ 195.00	\$ 780.00
Darrin Green	Staff Engineer	38.0	\$ 90.00	\$ 3,420.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Anthony Vozza	Staff Engineer	31.0	\$ 90.00	\$ 2,790.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal OMID Operatons:			\$	12,500.00

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

5/10/2022

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	38.0	\$ 145.00	\$ 5,510.00
Terry Moore	Operations Manager (Overtim	4.0	\$ 195.00	\$ 780.00
Darrin Green	Staff Engineer	30.0	\$ 90.00	\$ 2,700.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Anthony Vozza	Staff Engineer	31.5	\$ 90.00	\$ 2,835.00
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Rosana Santos	Administrative Assoc.	4.0	\$ 73.79	\$ 295.16
Subtotal NEPS Operations			\$	13,840.16
Subtotal Operations			\$	26,340.16

Maintenance & Asset Management

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

5/10/2022

Name	Title	Hrs.	Rate/Hr.	Amount
Terry Moore	Operations Manager	38.0	\$ 145.00	\$ 5,510.00
Terry Moore	Operations Manager (Overtim	0.0	\$ 195.00	\$ -
Anthony Vozza	Staff Engineer	0.0	\$ 90.00	\$ -
Darrin Green	Staff Engineer	8.0	\$ 90.00	\$ 720.00
Subtotal OMID Maintenance:			\$	6,230.00

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

5/10/2022

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 215.00	\$ 1,720.00
Terry Moore	Operations Manager	38.0	\$ 145.00	\$ 5,510.00
Terry Moore	Operations Manager (Overtim	4.0	\$ 195.00	\$ 780.00
Daniel Martel	Sr. Project Coordinator	0.0	\$ 145.00	\$ -
Sean Grant	Sr. Project Engineer	0.0	\$ 145.00	\$ -

Travis Ford	Sr. Project Engineer	0.0	\$	145.00	\$	-
Shailesh Patel	Sr. Project Engineer	0.0	\$	145.00	\$	-
Darrin Green	Staff Engineer	40.0	\$	90.00	\$	3,600.00
Darrin Green	Staff Engineer-(Overtime)	13.5	\$	135.00	\$	1,822.50
Anthony Vozza	Staff Engineer	62.5	\$	90.00	\$	5,625.00
Anthony Vozza	Staff Engineer-(Overtime)	8.0	\$	135.00	\$	1,080.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal:					\$	20,137.50
Maintenance Services (see attached invoices):					\$	15,462.35
Subtotal NEPS Maintenance:					\$	35,599.85
Subtotal Maintenance:					\$	41,829.85

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

JTB 5/10/2022

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>		<u>Rate/Hr.</u>		<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$	215.00	\$	-
Terry Moore	Operations Manager	0.0	\$	145.00	\$	-
Terry Moore	Operations Manager (Overtim	0.0	\$	195.00	\$	-
Sean Grant	Sr. Project Engineer	11.0	\$	145.00	\$	1,595.00
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	93.0	\$	90.00	\$	8,370.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal 6.0:					\$	9,965.00

Task 12.0 - As-Needed Services

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

TOTAL AMOUNT DUE THIS INVOICE: \$ 78,135.01



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

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

Customer
 PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
922567	0	001	4/4/2022	4/7/2022	94396

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	\$2,036.26	-	\$2,036.26	\$2,036.26	-	-
Totals:		\$2,036.26		\$2,036.26	\$2,036.26		
Less Retained:				-			
Invoice Total:				\$2,036.26			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

WORK ORDER #00603

WORK PERFORMED 2/11, 3/9-11, 3/16/2022

82912 - 6010101 - 149090- 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23

TM - 4-11-22

Jed Brun

5/10/2022

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.

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

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
922567	0	001	4/4/2022	4/20/2022	94403

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	\$90.00	-	\$90.00	\$90.00	-	-
Totals:		\$90.00		\$90.00	\$90.00		
Less Retained:				-			
Invoice Total:				\$90.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK ORDER # 00604 - WORK PERFORMED 4/4/2022

82912 - 6010101 - 149130-730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23

5/10/2022

JM- 4-21-22

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

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

Customer
 PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
922567	0	001	4/14/2022	4/20/2022	94404

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	\$90.00	-	\$90.00	\$90.00	-	-
Totals:		\$90.00		\$90.00	\$90.00		
Less Retained:				-			
Invoice Total:				\$90.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

TIM-4-29-22

WORK ORDER #00610 - WORK PERFORMED 4/14/2022

82912 - 6010101 - 149090 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23

5/10/2022

Jim B...

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

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
922567	0	001	4/14/2022	4/20/2022	94405

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	\$90.00	-	\$90.00	\$90.00	-	-
Totals:		\$90.00		\$90.00	\$90.00		
Less Retained:				-			
Invoice Total:				\$90.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912 - 6010101 - 149090- 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23

WORK ORDER #00609 - WORK PERFORMED 4/14/2022

JL Ben

5/10/2022

TM-4-21-22

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

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
922567	0	001	4/21/2022	4/21/2022	94412

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	\$327.48	-	\$327.48	\$327.48	-	-
Totals:		\$327.48		\$327.48	\$327.48		
Less Retained:				-			
Invoice Total:				\$327.48			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

82912 - 6010101 - 149090- 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23

JL

5/10/2022

WORK ORDER #00614 - WORK PERFORMED 4/20-21/2022

TM. 4-21-22

complete electrical construction

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AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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"AN EQUAL OPPORTUNITY EMPLOYER"

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
922567	0	001	4/22/2022	5/2/2022	94419

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	\$342.00	-	\$342.00	\$342.00	-	-
Totals:		\$342.00		\$342.00	\$342.00		
Less Retained:				-			
Invoice Total:				\$342.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912 - 6010101 - 149090- 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 12/31/23

WORK ORDER #00620 - PERFORMED 4/22/2022

JL *Bm* 5/10/2022

TM-5-5-22

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

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
922567	0	001	4/22/2022	5/2/2022	94420

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	\$446.35	-	\$446.35	\$446.35	-	-
Totals:		\$446.35		\$446.35	\$446.35		
Less Retained:				-			
Invoice Total:				\$446.35			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

**82912 - 6010101 - 149090- 730660 - 5469 - Ch. 21 - v# 7755 -
li# 41132 - exp. 12/31/23**

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

5/10/2022

WORK ORDER #00614 - WORK PERFORMED 4/22/2022

TM-5-5-22

complete electrical construction

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**84917 - 6010101 - 149015 - 730639 - 2603 - 1-3308 - Ch.21 v#4716 - li#24138
- exp. 12/31/23**

5/11/2022

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

Invoice # : 629354
Project : 61-190078
Invoice Group : NI-EA
Invoice Date : 5/3/2022

Attention: Sid Lockhart

For Professional Services Rendered from

3/26/2022 - 4/22/2022

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
Task 15	Odor & Air Flow Study	\$84,926.00

Preliminary Budget Amount \$2,358,759.00
Percent Complete: 90.26%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 987.93	\$ 309,642.59
Overhead %	188.00 1,857.31	582,128.09
Total Regular Labor Expense	2,845.24	891,770.68
Total Direct Labor	2,845.24	891,770.68
Profit / Fixed Fee %	12.00 341.43	107,012.47
Direct Expenses Charge	0.00	27,671.41
Expense Multiplier %	5.00 0.00	1,383.61
Direct Subcontractor Charge	1,135.28	1,038,760.96
Subcontractor/Subconsultant Multiplier %	6.00 68.12	62,325.81
Total Other Direct Charges Reimbursables	1,203.40	1,130,141.79
Total Costs:	4,390.07	2,128,924.94
Total Due This Invoice	\$ 4,390.07	\$ 2,128,924.94



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

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

JTB 5/11/2022

Invoice # : 629355
Project : 61-200186
Invoice Group : **
Invoice Date : 5/3/2022

Attentior Sid Lockhart

For Professional Services Rendered from **3/26/2022 - 4/22/2022**

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

Task 01	NI-EA OMID Contract No. 1 CCA	\$2,257,340.89
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	\$2,474,808.89
	Percent Complete:	53.15%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	27,927.04	\$ 240,213.20
Overhead %	188.00	52,502.84	451,600.82
Total Regular Labor Expense		80,429.88	691,814.02
Total Direct Labor		80,429.88	691,814.02
Profit / Fixed Fee %	12.00	9,651.59	83,017.70
Direct Expenses Charge		2,975.84	9,727.16
Expense Multiplier %	5.00	148.79	486.35
Direct Subcontractor Charge		6,742.38	500,344.20
Subcontractor/Subconsultant Multiplier %	6.00	404.55	30,020.70
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		10,271.56	540,578.41
Total Costs:		100,353.03	1,315,410.13
Total Due This Invoice		\$ 100,353.03	\$ 1,315,410.13



**84917- 6010101 - 149015 - 731458 - 2603 - 1-3309- ch 21 - engcon
v#4716 - li#24138 - exp. 12/31/23**

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

5-11-2022

Invoice # : 629357
Project : 61-200280
Invoice Group : CMT
Invoice Date : 5/3/2022

Attention Sid Lockhart

For Professional Services Rendered from **3/26/2022 - 4/22/2022**

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

Task 01	CMT Services	\$130,138.00
Task 02	Tnemec Coating Observation	\$0.00
	Preliminary Budget Amount	\$130,138.00
	Percent Complete:	79.82%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 244.12	\$ 27,409.06
Overhead %	188.00 458.95	51,529.06
Total Regular Labor Expense	703.07	78,938.12
Total Direct Labor	703.07	78,938.12
Profit / Fixed Fee %	12.00 84.37	9,472.58
Direct Expenses Charge	181.06	14,722.68
Expense Multiplier %	5.00 9.05	736.14
Direct Subcontractor Charge	0.00	10.00
Subcontractor/Subconsultant Multiplier %	6.00 0.00	0.60
Direct Unit Rate Charge	0.00	0.00
Total Other Direct Charges Reimbursables	190.11	15,469.42
Total Costs:	977.55	103,880.12
Total Due This Invoice	\$ 977.55	\$ 103,880.12



NTH Consultants, Ltd.
 Infrastructure Engineering
 and Environmental Services

**82912 - 6010101 - 149662 - 731458- 2603 - Ch. 21 - v#238 -
 li#24138 - exp. 12/31/23**

Jed Brun

5/11/2022

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

Invoice # : 629358
 Project : 61210124
 Invoice Group : **
 Invoice Date : 5/3/2022

Attention Sid Lockhart

For Professional Services Rendered from 3/26/2022 - 4/22/2022

Consulting Services Regarding 2021 OMID System Inspection

Task 01 Inspection and Reporting \$526,974.00
 Preliminary Budget Amount \$526,974.00
 Percent Complete: 48.61%

Analysis of Costs	This Invoice	Cumulative
Direct Salaries	\$ 181.00	\$ 14,893.89
Overhead %	188.00 340.28	28,000.51
Total Regular Labor Expense	521.28	42,894.40
Total Direct Labor	521.28	521.28
Profit / Fixed Fee %	12.00 62.55	5,147.32
Direct Expenses Charge	0.00	855.92
Expense Multiplier %	5.00 0.00	42.82
Direct Subcontractor Charge	806.58	195,467.80
Subcontractor/Subconsultant Multiplier %	6.00 48.39	11,728.07
Direct Unit Rate Charge	0.00	0.00
Total Other Direct Charges Reimbursables	854.97	208,094.61
Total Costs:	1,438.80	256,136.33
Total Due This Invoice	\$ 1,438.80	\$ 256,136.33



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

82912 - 149090 - 730639 - 2603 - Ch 21 - v#4716 exp. 12/31/23
li#24138

JL Ben

5/11/2022

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

Invoice # : 629359
Project : 61-210313
Invoice Group : **
Invoice Date : 5/3/2022

Attention Sid Lockhart

For Professional Services Rendered from **3/26/2022** - **4/22/2022**

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

Task 01	Contract 3 NESPS Rehab Closeout	\$9,563.00
Task 02	PCI-4 Liner Deterioration Closeout	\$10,939.00
Task 03	Discharge Pipe Coating Rehabilitation	\$27,930.00
Task 04	NESPS Wet Well Sediment Survey	\$19,639.00
	Preliminary Budget Amount	\$68,071.00
	Percent Complete:	62.49%

		This Invoice	Cumulative
Analysis of Costs			
Direct Salaries		\$ 728.82	\$ 8,404.50
Overhead %	188.00	1,370.18	15,800.46
Total Regular Labor Expense		2,099.00	24,204.96
Total Direct Labor		2,099.00	24,204.96
Profit / Fixed Fee %	12.00	251.88	2,904.59
Direct Expenses Charge		0.00	0.00
Expense Multiplier %	5.00	0.00	0.00
Direct Subcontractor Charge		823.56	14,695.71
Subcontractor/Subconsultant Multiplier %	5.00	41.18	734.79
Total Other Direct Charges Reimbursables		864.74	15,430.50
Total Costs:		3,215.63	42,540.05
Total Due This Invoice		\$ 3,215.62	\$ 42,540.05



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

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

Invoice # : 629360
Project : 61210495
Invoice Group :
Invoice Date : 5/3/2022

Attention: Sid Lockhart

For Professional Services Rendered from 3/26/2022 - 4/22/2022

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

5/11/2022

Additional OMID NESPS Maintenance Engineering Services

Task 01	NESPS Health and Safety Audit	\$16,137.00
Task 02	Control Structure 6 (CS-6) Emergency Bypass System Design	\$39,643.00
Task 03	Wet Wall Screen Cleaning Equipment	\$17,069.00
Task 04	Control Structure Gate Inspection	\$10,022.00

Preliminary Budget Amount \$82,871.00
Percent Complete: 63.13%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 3,298.68	\$ 11,599.60
Overhead %	188.00	6,201.52	21,807.24
Total Regular Labor Expense		9,500.20	33,406.84
Total Direct Labor		9,500.20	33,406.84
Profit / Fixed Fee %	12.00	1,140.02	4,008.82
Direct Expenses Charge		44.29	319.94
Expense Multiplier %	5.00	2.21	16.00
Direct Subcontractor Charge		0.00	13,738.10
Subcontractor/Subconsultant Multiplier %	6.00	0.00	824.29
Total Other Direct Charges Reimbursables		46.50	14,898.33
Total Costs:		10,686.72	52,313.99
Total Due This Invoice		\$ 10,686.72	\$ 52,313.99



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

Invoice

Date **4/13/2022** Invoice # **0000165277**

Bill To:

County Of Oakland
 A Michigan Constitutional Corp
 Detroit MI 48234

Site Address:

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

PO Number	Terms	Make	Model	Serial Number
00213	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 will be added to past due amounts.	Remit To: 28294 Beck Road Wixom, MI 48393
1825	2385 Witshire Drive Jenison, MI 49428 1695 Dalton Drive New Carlisle, OH 45344			

DESCRIPTION				QTY	PRICE EACH	AMOUNT
Manufacturer	Model	Serial #	Type	Mfg Code	Warranty	Location Agreement
CAT/KATO	A269500000	13669-04	Commerc	C0497445		Unit #2
Labor					1.50	115.00 172.50
GROUP 8D 12V COMM 1400CCA TOP POST					2.00	351.30 702.60

TM-4-14-22

Fund	<u>82912</u>	Dept	<u>6010101</u>
Prog	<u>149090</u>	Acct	<u>730660</u>
Contract #	<u>5821</u>	Project	<u>1</u>
Chap 20/21	<u>21</u>	Op Unit	
Approver	_____		

JL Ben

5/10/2022

Visa, Master Card, Discover or American Express 3% processing fee will be added to total over \$2,000 Sign: _____ Inv # _____ Card #: _____ Exp Date: _____ Security Code: _____	Subtotal \$875.10 Sales Tax \$0.00 Balance Due \$875.10 <small>This Invoice is for the Services mentioned above only, if other repair work was completed it will be invoiced separately.</small>
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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 **4/13/2022** Invoice # **0000165278**

Bill To:

County Of Oakland
 A Michigan Constitutional Corp
 Detroit MI 48234

Site Address:

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

PO Number	Terms	Make	Model	Serial Number
00213	NET 30 DAYS			
KW	PM Tech's Other Locations		A LATE FEE of 1.5% per month, 18% per year of the 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
Labor	1.50	115.00	172.50
GROUP 8D 12V COMM 1400CCA TOP POST	2.00	351.30	702.60

TM-4-14-22

Fund	<u>88912</u>	Dept	<u>6010101</u>
Prog	<u>149090</u>	Acct	<u>730660</u>
Contract #	<u>5821</u>	Project	<u>1</u>
Chap 20/21	<u>21</u>	Op Unit	
Approver	_____		

Visa, Master Card, Discover or American Express 3% processing fee will be added to total over \$2,000 Sign: _____ Inv # _____ Card #: _____ Exp Date: _____ Security Code: _____	Subtotal \$875.10 Sales Tax \$0.00 Balance Due \$875.10 <small>This Invoice is for the Services mentioned above only, if other repair work was completed it will be invoiced separately.</small>
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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.

PM TECHNOLOGIES

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

Invoice

Date **4/27/2022** Invoice # **0000165802**

Bill To:

County Of Oakland
 A Michigan Constitutional Corp
 Detroit MI 48234

Site Address:

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

PO Number	Terms	Make	Model	Serial Number
00368	NET 30 DAYS			
KW	PM Tech's Other Locations		A LATE FEE of 1.5% per month, 18% per year of the unpaid balance will be added to past due amounts.	Remit To: 28294 Beck Road Wixom, MI 48393
	2385 Wilshere Drive Jenison, MI 49428 1695 Dalton Drive New Carlisle, OH 45344			

DESCRIPTION	QTY	PRICE EACH	AMOUNT
Primary Preventive Maintenance (Change engine oil and oil filters, change fuel filters (where applicable), battery voltage testing, check operational performance, belts, hoses, safeties, etc)	1.00	2,895.00	2,895.00
55gal drum CHEVRON DELO 400SDE 15w40	2.00		
ELEMENT, FUEL	5.00		
ELEMENT, OIL FULL-FLOW	3.00		
OIL SAMPLE BOTTLE (BASIC)	1.00		

Fund	82912	Dept	6010101
Prog	149090	Acct	730660
Contract #	5821	Project	/
Chap 20/21	21	Op Unit	
Approver			

TM-5-5-22
JL Ben 5/10/2022

Visa, Master Card, Discover or American Express 3% processing fee will be added to total over \$2,000	Subtotal	\$2,895.00
Sign: _____ Inv # _____	Sales Tax	\$0.00
Card #: _____	Balance Due	\$2,895.00
Exp Date: _____ Security Code: _____	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 reimburse PM Technologies for reasonable costs incurred.

Warranty Disclaimer: parts and labor not covered by the

PM TECHNOLOGIES

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

Invoice

Date **4/27/2022** Invoice # **0000165803**

Bill To:

County Of Oakland
 A Michigan Constitutional Corp
 Detroit MI 48234

Site Address:

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

PO Number	Terms	Make	Model	Serial Number
00368	NET 30 DAYS			
KW	PM Tech's Other Locations		A LATE FEE of 1.5% per month, 18% per year of the 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
Primary Preventive Maintenance (Change engine oil and oil filters, change fuel filters (where applicable), battery voltage testing, check operational performance, belts, hoses, safeties, etc)	1.00	2,895.00	2,895.00
55gal drum CHEVRON DELO 400SDE 15w40	2.00		
ELEMENT, FUEL	5.00		
ELEMENT, OIL FULL-FLOW	3.00		
OIL SAMPLE BOTTLE (BASIC)	1.00		

Fund	82912	Dept	6010101
Prog	149090	Acct	730600
Contract #	5821	Project	/
Chap 20/21	21	Op Unit	
Approver			

TM - 5-5-22

JL

5/10/2022

Visa, Master Card, Discover or American Express 3% processing fee will be added to total over \$2,000	Subtotal	\$2,895.00
Sign: _____ Inv # _____	Sales Tax	\$0.00
Card #: _____	Balance Due	\$2,895.00
Exp Date: _____ Security Code: _____	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.

PM TECHNOLOGIES

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

Invoice

Date **4/27/2022** Invoice # **0000165842**

Bill To:

County Of Oakland
 A Michigan Constitutional Corp
 Detroit MI 48234

Site Address:

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

PO Number	Terms	Make	Model	Serial Number
00368	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 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
Manufacturer	Model	Serial #	Type	Mfg Code
CAT/KATO	A269500000	13669-05	Commerc	C049-7445
Primary Preventive Maintenance (Change engine oil and oil filters, change fuel filters (where applicable), battery voltage testing, check operational performance, belts, hoses, safeties, etc)		1.00	2,895.00	2,895.00
55gal drum CHEVRON DELO 400SDE 15w40		2.00		
ELEMENT, FUEL		5.00		
ELEMENT, OIL FULL-FLOW		3.00		
OIL SAMPLE BOTTLE (BASIC)		1.00		

Fund	82912	Dept	6010101
Prog	149090	Acct	7301000
Contract #	5821	Project	/
Chap 20/21	21	Op Unit	
Approver			

TM-5-5-22

JL Brun

5/10/2022

Visa, Master Card, Discover or American Express 3% processing fee will be added to total over \$2,000	Subtotal	\$2,895.00
Sign: _____ Inv # _____	Sales Tax	\$0.00
Card #: _____	Balance Due	\$2,895.00
Exp Date: _____ Security Code: _____	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 **4/13/2022** Invoice # **0000165276**

Bill To:

County Of Oakland
 A Michigan Constitutional Corp
 Detroit MI 48234

Site Address:

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

PO Number	Terms	Make	Model	Serial Number
00213	NET 30 DAYS			
KW	PM Tech's Other Locations		A LATE FEE of 1.5% per month, 18% per year of the 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
Service Call	1.00	185.00	185.00
Labor	1.00	115.00	115.00
o.k. to invoice quote separate	1.00		
GROUP 8D 12V COMM 1400CCA TOP POST	2.00	351.30	702.60

Fund	82912	Dept	6010101
Prog	149090	Acct	7301000
Contract #	5821	Project	/
Chap 20/21	21	Op Unit	
Approver			

TM-4-14-22

JL Ben

5/10/2022

Visa, Master Card, Discover or American Express 3% processing fee will be added to total over \$2,000 Sign: _____ Inv # _____ Card #: _____ Exp Date: _____ Security Code: _____	Subtotal \$1,002.60 Sales Tax \$0.00 Balance Due \$1,002.60 <small>This Invoice is for the Services mentioned above only, if other repair work was completed it will be invoiced separately.</small>
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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.



PMA Consultants

226 W. Liberty Street ▪ Ann Arbor, MI 48104

Tel: 734.769.0530 ▪ Fax: 734.663.9561

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

May 6, 2022
Invoice No: 03559.01 - 23

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

5/11/2022

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from April 1, 2022 to April 30, 2022

Professional Personnel

		Hours	Rate	Amount	
Zann, John		52.00	94.00	4,888.00	
	Totals	52.00		4,888.00	
	Total Labor				4,888.00

Additional Fees

Overhead	149.10 % of 4,888.00	7,288.01	
Profit	10.00 % of 12,176.01	1,217.60	
	Total Additional Fees		8,505.61

Billing Limits

	Current	Prior	To-Date
Total Billings	13,393.61	213,267.47	226,661.08
Limit			450,000.00
Remaining			223,338.92

Total this Invoice \$13,393.61

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	3/30/2022	4/12/2022	12502

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$3,716.20	-	\$3,716.20	\$3,716.20	-	-
	Totals:	\$3,716.20		\$3,716.20	\$3,716.20		
	Less Retained:			-			
	Invoice Total:			\$3,716.20			

SUMP PUMP FLOATS

WO 672

TM *4-12-22*

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

Joel Brown

5/10/2022

complete electrical construction

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Table with columns: Job Number, Sub Job, Contract Number, Date Performed, Application Date, Application Number. Values: 719707, 0, 001, 3/7/2022, 4/12/2022, 12503

JOEL BROWN

Main invoice table with columns: Item No, Description of Work, Contract Amount, Previous Billings, Current Amount, To Date Complete & Stored, Balance To Finish, Current Retainage. Includes item 001 for SWITCHGEAR MAINTENANCE AND TESTING and a Totals row.

PUMPS P5 & P6 MOTOR MAINTENANCE

WO 567

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

Handwritten signature and date 5/11/2022

Handwritten initials TM and date 4-12-22

complete electrical construction

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Table with columns: Job Number, Sub Job, Contract Number, Date Performed, Application Date, Application Number. Values: 719707, 0, 001, 3/14/2022, 4/12/2022, 12504

JOEL BROWN

Main invoice table with columns: Item No, Description of Work, Contract Amount, Previous Billings, Current Amount, To Date Complete & Stored, Balance To Finish, Current Retainage. Includes item 001 for SWITCHGEAR MAINTENANCE AND TESTING and a Totals row.

PUMP P2 & P4 MOTOR MAINTENANCE

WO 566

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

Handwritten notes: TM, 4-12-22, Joel Brown

5/11/2022

complete electrical construction

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

**Customer
PO Number**
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	4/18/2022	5/4/2022	12511

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,466.00	-	\$2,466.00	\$2,466.00	-	-
Totals:		\$2,466.00		\$2,466.00	\$2,466.00		
Less Retained:				-			
Invoice Total:				\$2,466.00			

WO 366

GEN SHELTER BREAKER

MAINTENANCE & TESTING

TM 5-4-22

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

Joel Brown

5/11/2022

complete electrical construction

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

**Customer
PO Number**
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	4/21/2022	5/4/2022	12512

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,466.00	-	\$2,466.00	\$2,466.00	-	-
Totals:		\$2,466.00		\$2,466.00	\$2,466.00		
Less Retained:				-			
Invoice Total:				\$2,466.00			

WO 384

P4 UNIT SUB

MAINTENANCE AND TESTING

TM 5-4-22

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

5/11/2022

complete electrical construction

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Table with columns: Job Number, Sub Job, Contract Number, Date Performed, Application Date, Application Number. Values: 719707, 0, 001, 4/19/2022, 5/4/2022, 12513

JOEL BROWN

Main invoice table with columns: Item No, Description of Work, Contract Amount, Previous Billings, Current Amount, To Date Complete & Stored, Balance To Finish, Current Retainage. Includes totals and less retained amounts.

WO 389

MV CONTACTOR

PROTECTIVE RELAY MAINTENANCE

TESTING

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

Handwritten signature and date 5/11/2022

Handwritten initials TMM and date 5-4-22

complete electrical construction

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INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Table with columns: Job Number, Sub Job, Contract Number, Date Performed, Application Date, Application Number. Values: 719707, 0, 001, 4/20/2022, 5/4/2022, 12514

JOEL BROWN

Main invoice table with columns: Item No, Description of Work, Contract Amount, Previous Billings, Current Amount, To Date Complete & Stored, Balance To Finish, Current Retainage. Includes Totals and Invoice Total rows.

WO 390

MV BREAKER

MAINTENANCE AND TESTING

T.M. 5-4-22

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

Handwritten signature

5/11/2022

complete electrical construction

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OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Table with columns: Job Number, Sub Job, Contract Number, Date Performed, Application Date, Application Number. Values: 719707, 0, 001, 4/20/2022, 5/4/2022, 12515

JOEL BROWN

Main invoice table with columns: Item No, Description of Work, Contract Amount, Previous Billings, Current Amount, To Date Complete & Stored, Balance To Finish, Current Retainage. Includes Totals and Invoice Total rows.

WO 391

UNIT SUB 1A-1B

MAINTENANCE AND TESTING

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

Handwritten signature

5/11/2022

Handwritten initials TM

5-4-22

complete electrical construction

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INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Table with columns: Job Number, Sub Job, Contract Number, Date Performed, Application Date, Application Number. Values: 719707, 0, 001, 4/19/2022, 5/4/2022, 12516

JOEL BROWN

Table with columns: Item No, Description of Work, Contract Amount, Previous Billings, Current Amount, To Date Complete & Stored, Balance To Finish, Current Retainage. Includes Totals and Invoice Total rows.

WO 597

PUMP P5

MOTOR MAINTENANCE

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

T.M. 5-4-22

Handwritten signature

5/11/2022

complete electrical construction

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INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Table with columns: Job Number, Sub Job, Contract Number, Date Performed, Application Date, Application Number. Values: 719707, 0, 001, 4/21/2022, 5/4/2022, 12517

JOEL BROWN

Main invoice table with columns: Item No, Description of Work, Contract Amount, Previous Billings, Current Amount, To Date Complete & Stored, Balance To Finish, Current Retainage. Includes item 001 for SWITCHGEAR MAINTENANCE AND TESTING and a Totals row.

WO 608
PUMP P6
EXCITER FIELD REPAIRS

TM 5-4-22

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

Joel Brown 5/11/2022

complete electrical construction

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Agenda Item No. 13

Other Business

Agenda Item No. 14

Adjourn