

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

December 18, 2024 – 11:30 a.m.

Office of the Macomb County Public Works Commissioner
21777 Dunham Road, Clinton Township, 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 December 18, 2024
3. Motion to approve the Drainage District Board Meeting Minutes from November 20, 2024
4. Public Comment
5. Supplemental Bond Resolution, Series 2025
6. Motion to approve the following Engineering Work Orders:
 - a) Engineering Work Order No. D-480(3) for Metco Services Inc., to adjust contract #WDCON8967 and increase the contract amount by \$300,000
 - b) Engineering Work Order No. D-479(3) for NTH Consultants to increase contract #2603 by a not-to-exceed amount of \$13,200 to finalize design documents and required easement coordinator related to the CS-6 Emergency Bypass System
7. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 50 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$653,433.53 with a transfer to the Oakland County Treasurer in the amount of \$972.58
 - b) Construction Estimate No. 16 for Z Contractors for NI-EA Contracts 2A and 2B – PCI 18 and 19 Rehabilitation in the amount of \$219,034.60 with a reserve payment to the contractor in the amount of \$199,451.27
8. Status of OMID Repairs Project
9. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
10. Motion to approve the following invoices:
 - 1) Labor/Fringes/Non-Direct Labor Factor
 - Segment 5 NI-EA Construction \$ 4,219.63

	• Segment 5 NESPS Mech./Elect. Construction		\$	9,071.65
2)	Equipment Charges			
	• Segment 5 NI-EA Construction		\$	89.95
	• Segment 5 NESPS Mech./Elect. Construction		\$	252.02
3)	Reimbursement			
	• Macomb Invoice No. AR24001536		\$	25,864.69
a)	Clark Hill			
	Invoice No. 1511484	NESPS	\$	14,280.00
b)	CSM			
	Invoice No. 4157	O&M	\$	15,695.66
c)	Jacobs			
	Invoice No. C6A19900-19	O&M	\$	47,853.24
d)	Kennedy			
	Invoice No. 643739	O&M	\$	626.50
e)	Lardner			
	Invoice No. 203075	O&M	\$	204.00
f)	Metco			
	Invoice No. 1811-71	O&M	\$	69,634.54
g)	Motor City			
	1) Invoice No. 96049	O&M	\$	262.50
	2) Invoice No. 96086	O&M	\$	120,000.00
h)	NTH Consultants, Ltd			
	1) Engineering/Consulting Services PCI-18 and PCI-19 Rehab.			
	Invoice No. 637766	NI-EA	\$	55,970.15
	2) Engineering/Consulting Services NESPS Pumping and Electrical Systems Upgrade			
	Invoice No. 637767	NESPS	\$	6,990.97

11. NESPS Rehabilitation Projects Dedication

12. Other Business

13. Adjourn

Next Regular Meeting: January 15, 2025, at 11:30 a.m., Eastern Standard Time.

Agenda Item No. 3

Board Meeting Minutes from November 20, 2024

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

November 20, 2024

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held at the office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township Michigan on the 20th day of November 2024 at 11:30 a.m. Eastern Standard Time and via Microsoft Teams.

PRESENT:

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

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker and Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Steve Korth, Joel Brown, Trisha Bruzek, Kelsey Cooke, Meg Koss, and Stephanie Lajdziak. Others in attendance: Shawn Phelps, OC Fiscal Services; Larry Gilbert and Michelle Kitzinger, NTH Consultants; Fritz Klingler, FK Engineering; Dave Pauline, Walsh Construction; Joe Colaianne, Doug Kelly, and Jeff Gallant, Clark Hill; John Michalski, ASI; Darrin Green, Metco; Brady Harrington and Joseph Brezvai, MDARD; Richard Trembath, Meadowbrook.

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:45 a.m.

2. Agenda.

Motion by Miller, supported by Vaara, to approve the November 20, 2024, agenda as presented.

ADOPTED: Yeas - 3
Nays - 0

3. Minutes.

Motion by Vaara, supported by Miller, to approve the minutes of the October 16, 2024, meeting.

ADOPTED: Yeas - 3
Nays - 0

4. Public Comment.

None.

5. Closed Session.

A motion was made by Miller, supported by Vaara, to enter into closed session at 11:48 a.m. to consider material exempt from discussion or disclosure as subject to attorney-client privilege pursuant to section 8(h) of the Freedom of Information Act.

ADOPTED: Yeas - 3
Nays - 0

Chairperson Gregg declared the closed session ended at 12:59 p.m.

Motion by Miller, supported by Vaara, to authorize the Board to proceed as directed by counsel in closed session.

ADOPTED: Yeas - 3
Nays - 0

6. Engineering Work Order.

The following Engineering Work Order was submitted to the Board for approval:

- a) Engineering Work Order No. 5 for Jacobs Consultants Inc. for the Odor and Corrosion Control System Design Project to increase Contract No. 9788 for a not-to-exceed amount of \$83,408. Motion by Miller, supported by Vaara, to approve Engineering Work Order No. 5 as presented.

ADOPTED: Yeas - 3
Nays - 0

7. Change Orders.

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

- a) Change Order No. 47 for Walsh Construction for NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$19,451.66. Motion by Vaara, supported by Miller, to approve Change Order No. 47 as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Change Order No. 2 for Z Contractors for NI-EA Contract #2 PCI 18 & 19 Rehabilitation for a net increase in the amount of \$10,974.82 and 84 days. Motion by Vaara, supported by Miller, to approve Change Order No. 2 as presented.

ADOPTED: Yeas - 3
Nays - 0

- c) Change Order No. 1 for Mersino Dewatering Inc. for Dewatering and Bypass Pumping Services to extend Contract No. 10079 for two years and update the contract rates for services. Motion by Miller, supported by Vaara, to approve Change Order No. 1 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. 49 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$512,999.76 with a transfer to the Oakland County Treasurer in the amount of \$3,872.87. Motion by Vaara, supported by Miller, to approve Construction Estimate No. 49 as presented.

ADOPTED: Yeas - 3
Nays - 0

- b) Construction Estimate No. 15 for Z Contractors for NI-EA Contracts 2A and 2B – PCI 18 and 19 Rehabilitation in the amount of \$134,766.66. Motion by Miller, supported by Vaara, to approve Construction Estimate No. 15 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 and presentation (attached) to the Board and summarized the status of various projects. Motion by Miller, supported by Vaara, to receive and file the report as presented.

ADOPTED: Yeas - 3
Nays - 0

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

ADOPTED: Yeas - 3
Nays - 0

11. Invoices.

1) Labor/Fringes/Non-Direct Labor Factor			
• Segment 5 NI-EA Construction		\$	5,262.84
• Segment 5 NESPS Mech./Elect. Construction		\$	8,183.89
2) Equipment Charges			
• Segment 5 NI-EA Construction		\$	114.36
• Segment 5 NESPS Mech./Elect. Construction		\$	273.56
a) ASI			
1) Invoice No. 68-8968	NESPS	\$	76,604.85
2) Invoice No. 68a-8969	NESPS	\$	904.64
b) Clark Hill			
Invoice No. 1503478	NESPS	\$	385.00
c) Dickinson Wright			
Invoice No. 1978146	O&M	\$	176.00
d) Gallagher			
Invoice No. 5242192	NESPS	\$	48,730.50
e) Hesco			
Invoice No. 242596	O&M	\$	7,138.26
f) Jacobs			
Invoice No. C6A19900-18	O&M	\$	13,827.81
g) Lardner Elevator			
1) Invoice No. 202724	O&M	\$	204.00
2) Invoice No. 202926	O&M	\$	10,964.00
h) Metco			
Invoice No. 1811-70	O&M	\$	103,344.12

i)	Motor City			
	1) Invoice No. 96013	O&M	\$	585.00
	2) Invoice No. 96014	O&M	\$	1,035.62
	3) Invoice No. 96015	O&M	\$	67.68
	4) Invoice No. 96048	O&M	\$	1,051.00
	5) Invoice No. 96050	O&M	\$	176.00
j)	NTH Consultants, Ltd			
	1) Engineering/Consulting Services PCI-18 and PCI-19 Rehab.			
	Invoice No. 637516	NI-EA	\$	82,695.89
k)	PM Technologies			
	Invoice No. 95025246	O&M	\$	5,355.00
l)	PMA Consultants			
	Invoice No. 03559.01-53	NESPS	\$	24,020.94

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

ADOPTED: Yeas - 3
 Nays - 0

12. Other Business.
 None.

13. Adjourn.
 Motion by Miller, supported by Korth, to adjourn the November 20, 2024, meeting at 1:50 p.m.

ADOPTED: Yeas - 3
 Nays - 0

Next Regular Meeting: *Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan* and electronically at 11:30 p.m., Eastern Standard Time on December 18, 2024.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District, at a meeting held on November 20, 2024, 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 November 2024.



Anne Vaara, Acting Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Supplemental Bond Resolution, 2025 Bond Series

MICHIGAN DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT

In the Matter of:

Oakland-Macomb Interceptor Drain,
_____ /

SUPPLEMENTAL RESOLUTION
AMENDING BOND RESOLUTION AUTHORIZING THE ISSUANCE OF OAKLAND-
MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT DRAIN BONDS, SERIES
2025 (GENERAL OBLIGATION LIMITED TAX)

At a regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held on the 18th day of December 2024, at 11:30, a.m., prevailing time, at the Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan there were:

PRESENT: _____

ABSENT: _____

OTHERS PRESENT: _____

Motion by Drainage Board Member _____, and supported by Drainage Board Member _____, to approve the following Resolution:

WHEREAS, pursuant to the resolution adopted on June 12, 2024 by the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District (“2024 Bond Resolution”), authorized and provided for the issuance of its “Oakland-Macomb Interceptor Drain Drainage District Drain Bonds, Series 2024 (General Obligation Limited Tax)”, in the aggregate principal amount not to exceed \$11,400,000 to defray part of the costs of the Project (“Drain Bonds”); and

WHEREAS, the Drain Bonds are anticipated to be sold in calendar year 2025, and to avoid any confusion, it has been recommended by the Drainage District’s bond counsel to supplement and amend 2024 Bond Resolution to revise the title and name of the bonds from “Oakland-Macomb Interceptor Drain Drainage District Drain Bonds, Series 2024 (General Obligation Limited Tax)” to “Oakland-Macomb Interceptor Drain Drainage District Drain Bonds, Series 2025 (General Obligation Limited Tax)” in the aggregate principal amount not to exceed \$11,400,000 to defray part of the costs of the Project; and,

WHEREAS, the Drain Bonds are to be designated as the Oakland-Macomb Interceptor Drain Drainage District Drain Bonds, Series 2025 (General Obligation Limited Tax), in an

aggregate principal amount not to exceed \$11,400,000, with such bonds expected to be issued on or about January 9, 2025, bearing interest at the rates and maturing in such amounts and at such times as may be determined pursuant to the bond authorizing resolution of the Drainage Board.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The 2024 Bond Resolution is hereby supplemented and amended to revise the title and name of the bonds from “Oakland-Macomb Interceptor Drain Drainage District Drain Bonds, Series 2024 (General Obligation Limited Tax)” to “Oakland-Macomb Interceptor Drain Drainage District Drain Bonds, Series 2025 (General Obligation Limited Tax)” in the aggregate principal amount not to exceed \$11,400,000 (the “Series 2025 Drain Bonds”) to defray part of the costs of the Project.
2. All references of “Oakland-Macomb Interceptor Drain Drainage District Drain Bonds, Series 2024 (General Obligation Limited Tax)” in the 2024 Bond Resolution, shall be revised to read as “Oakland-Macomb Interceptor Drain Drainage District Drain Bonds, Series 2025 (General Obligation Limited Tax)” on all documents required for the issuance of the bonds, including but not limited to the bond form, and proposed Official Notice of Sale.
3. Except as to the foregoing amendment, all other conditions set forth in 2024 Bond Resolution, shall remain in full force and effect.
4. That this resolution shall become effective immediately upon its adoption.

A roll-call vote on the foregoing resolution was taken and was as follows:

YES: _____

NO: _____

ABSTAIN: _____

The resolution was declared adopted.

CERTIFICATION OF PROCEEDINGS

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of a resolution adopted at a meeting of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage District held at the Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan on December 18, 2024; that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, as the same may be or has been expanded, extended, supplemented or replaced from time to time and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

DATED: December 18, 2024

Jim Nash, Secretary of the Drainage Board

Agenda Item No. 6

Engineering Work Orders



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: METCO Engineering Work Order for Contract #WDCON8448 Rate Adjustment for METCO Positions Related to OMIDDD Flow Control Operations and Maintenance, NESPS Maintenance Responsibilities, and OMIDDD Project Support Duties

DATE: December 18, 2024

On December 20, 2023, the Board approved a two-year contract extension for METCO to continue to provide flow control support and maintenance of the OMID System and Northeast Sewage Pumping Station for the 2024 and 2025 years (EWO D-465(2)). At that time, METCO had not raised their contract rates since 2018. METCO's current contract rates and salaries for field staff are identified in Table 1.

Table 1. Current METCO Contract Rates and Direct Salaries

Name	Category	Current Contract Rate (Contract)	Unburdened Direct Rate (2.9 Multiplier)	Direct Base Salary
Terry Moore	Operations Manager	\$162.00*	\$55.86	\$116,193.10
Terry Moore	Operations Manager (OT)	\$204.75	-	
Darrin Green/ Anthony Vozza	Field Operator	\$102.00	\$35.17	\$73,153.60
Darrin Green/ Anthony Vozza	Field Operator (OT)	\$153.00	-	

**Note: METCO had erroneously put \$152.25 for the billing rate for Terry Moore in the EWO.*

As indicated in Table 1, METCO had intended to put in \$162/hr for Terry Moore in the EWO but instead erroneously put a billing rate of \$152.25/hr and had not included a rate adjustment for 2025. METCO had sufficient budget to cover the additional expense from the 2024 adjusted rate. However, this collectively prompted a more in-depth compensation analysis of METCO's positions as it relates to 2025.

METCO's Operations Manager, Terry Moore, has over 13 years of experience operating the OMID Control Structures and has over five years of experience with maintaining the Northeast Sewage Pumping Station, both of which are unparalleled. The entirety of OMID's flow control operations,

maintenance programs and project related support flow through him. Prior to that, Mr. Moore had 30 years of experience working at the Detroit Water and Sewerage Department functioning in managerial/supervisory roles both at the Detroit Wastewater Treatment Plant and the oversight of DWSD's nine Combined Sewer Overflow (CSO) facilities. Mr. Moore's experience is extremely valuable to the success of OMID's overall operations and long-term performance. Accordingly, we believed it prudent to assess comparable salaries within Oakland County to Mr. Moore's position within OMID to ensure adequate compensation. Table 2 contains the salaries of two Oakland County positions to Mr. Moore's OMID operational and administrative managerial role as follows (see Appendix A for salary descriptions and Appendix B for full salaries:

- Chief WRC Water Resource Recovery (WRC)
- Chief Facilities Maintenance and Operations (Facilities)

Table 2. Oakland County Comparable Salaries to METCO Operations Manager

Category	Maximum Salary	Hourly Rate	Burdened Rate (2.9 Multiplier)
Chief WRC Water Resource Recovery (Exempt)	\$120,026	\$57.70	\$167.33
Chief Facilities Maintenance & Operations (Exempt)	\$126,765	\$60.94	\$176.73
Average	\$123,395.50	\$59.32	\$172.03

It should be noted that the above positions are exempt from overtime. However, these positions also have significant personnel to adequately distribute after-hours duties and emergencies. METCO handles those duties exclusively. As such, it would appear reasonable to apply an average of these two salaries while maintaining overtime eligibility.

Similarly, METCO's Field Operators, Darrin Greene and Anthony Vozza also provide a valuable role in the success of flow control operations and maintenance of the facilities. Both Mr. Greene and Mr. Vozza have gained over 4 years of experience with the OMID system control structures and overall flow capabilities, as well as maintaining the NESPS. They routinely provide lockout-tagout functions, assist with flow control operations and perform maintenance checks of various components at the control structures and the NESPS. In addition, they also perform more supervisory roles in the coordination of contractors to facilitate corrective and preventive maintenance, invoice processing and respond to emergencies and after-hours issues. These positions have increased in responsibility as we have added more control structures and individual components at the NESPS. Accordingly, it is apparent that both Mr. Greene and Mr. Vozza perform duties in both an operator role and a supervisory role within their positions. As such, we have generated following comparable positions at the County for these two roles and summarized their salaries in Table 3.

- Water Resource Recovery Operator-II
- Water Resource Recovery Supervisor-I

Table 3. Oakland County Comparable Salaries for METCO Field Operator.

Category	Maximum Salary	Hourly Rate	Burdened Rate (2.9 Multiplier)
Water Resource Recovery Operator-II	\$71,403	\$34.33	\$99.56
Water Resource Recovery Supervisor-I	\$89,566	\$43.06	\$124.87
Average	\$80,484.50	\$38.69	\$112.21

These positions are overtime eligible. As Mr. Greene and Mr. Vozza fulfill a blended role between an operator and supervisor, it appeared reasonable to us to have an average of the salaries as fair compensation.

In summary, METCO's OMID employees are vital to the proper maintenance, operation and overall reliability of the entire OMID system and the NESPS. As such they are deserving of commensurate compensation. Accordingly, we recommend that METCO's straight-time rates for the "Operations Manager" and "Field Operations" positions be as stipulated in Table 4.

Table 4. Existing and Recommended Adjusted Contract Rate to METCO Contract #WDCON8967

Name	Category	Current Contract Rate (Contract)	New Contract Rate	Previous Base Salary	New Direct Base Salary	Percentage Increase
Terry Moore	Operations Manager	\$162.00	\$172	\$116,193.10	\$123,365.52	6.1%
Terry Moore	Operations Manager (OT)	\$223.60	-			
Darrin Green/ Anthony Vozza	Field Operator	\$102.00	\$112	\$73,153.60	\$80,331.03	9.8%
Darrin Green/ Anthony Vozza	Field Operator (OT)	\$168.00	-			

An Engineering Work Order has been generated to incorporate the above contract rate changes, scheduled to take effect December 30, 2024.

After discussion with METCO and review of the previously approved EWO D-465(2), it is believed that more full-time effort will be required in support of daily construction activities and overall system maintenance and operation through the end of 2025. Consequently, METCO has prepared a revised table of hours for 2025 to ensure all responsibilities are fulfilled using the above-referenced rates. This results in an overall cost increase of \$300,000 for 2025. For reference, the previously approved EWO D-465(2) had a total cost of \$750,165.84 for 2025. There is sufficient 2025 operational budget for METCO's services to cover this cost increase.

RECOMMENDED ACTION: Approve the attached Engineering Work Order to adjust the contract rates in METCO's existing contract #WDCON8967 and increase the contract amount by \$300,000.

**Jim Nash Oakland County Water Resources Commissioner
Oakland-Macomb Interceptor Drain Drainage District
For the
METCO OMID O&M Contract Amendment**

Engineering Work Order D-480 (3)**Date: 12/6/2024****To:** METCO Services, Inc.**For:** Amendment to METCO Contract WDCON8448 For 2025 Contract Rate Increase and Budgetary Increase**DESCRIPTION**

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the operation, maintenance, and management of the Northeast Sewage Pumping Station (NESPS) and Oakland Macomb Interceptor Drain (OMID) System that falls under the sections of Contract WDCON8448. This EWO serves as your approval for compensation and rate adjustments as delineated in METCO Services, Inc. (METCO) proposal date December 3, 2024, and as follows:

- Rates are to be adjusted as follows:

Name	Category	2024 Current Contract Rate (Contract)	New 2025 Contract Rate
Terry Moore	Operations Manager	\$162.00	\$172
Terry Moore	Operations Manager (OT)	\$204.75	\$223.60
Darrin Green/ Anthony Vozza	Field Operator	\$102	\$112
Darrin Green/ Anthony Vozza	Field Operator (OT)	\$153	\$168

- In addition, based on additional anticipated full-time workload METCO requires an increased cost of \$300,000 to supply the additional required labor above that the amount stipulated D-465(2) at the prescribed rates above.

Fees for this Engineering Work Order shall be billed on a time and material basis according to the rate schedules included with the proposal. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$300,000. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

RECOMMENDED	DATE:	ACCEPTED	DATE:
By:		By:	
Joel Brown, P.E. Chief Engineer OCWRC		Jeff Jaros, P.E. President NTH Consultants Ltd.	
APPROVED	DATE:	APPROVED	DATE:
By:		By:	
Stephen Downing Construction and Maintenance Manager MCPWO		Steve Korth, P.E. Chief Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	SC730639
Fund No:	FND82912	Program No.:	PRG149090
Project No:	N/A	Project Activity:	N/A
Contract No:	WDCON8448	Contract Exp:	12/31/2025



Oakland-Macomb Interceptor Drain Drainage District

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

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

**SUBJECT: NTH EWO for Additional Northeast Sewage Pumping Station (NESPS)
Continued Maintenance Engineering Support Services-CS-6 Emergency
Bypass System**

DATE: December 18, 2024

On June 21, 2023, the Board approved Engineering Work Order (EWO) 459(2) to increase NTH's budget for CS-6 emergency bypass system drawing development and bid support services. Since the issuance of this EWO, NTH developed numerous drawing iterations, performed field surveys and attended meetings to satisfy easement and permitting requirements with ITC and the City of Sterling Heights. These permits and easement acquisitions still need to be finalized.

NTH's current budget is exhausted. They have developed the appended December 6, 2024 proposal to resolve the remaining permit and acquisition issues as well as finalize easements, plans and specifications for bidding purposes.

The attached EWO has been generated to add the additional out-of-scope effort for a not to exceed amount of \$13,200. There is sufficient budget in the major maintenance fund to accommodate this cost. NTH will continue to proceed with finalizing this work.

Requested Action: Approve the attached Engineering Work Order to increase contract #2603 by a not-to-exceed amount of \$13,200 to finalize design documents and required easement coordination related to the CS-6 Emergency Bypass System.

**Jim Nash Oakland County Water Resources Commissioner
Oakland-Macomb Interceptor Drain Drainage District
For the
OMID NESPS Maintenance Engineering Support Services-CS-6 Emergency Bypass System
Wayne County, Michigan**

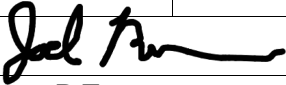
Engineering Work Order D-479 (3)**Date: 12/6/2024****To:** NTH Consultants Ltd. (NTH)**For:** Amendment to Contract #2603 For Continued NESPS Maintenance Engineering Support Services Related to the CS-6 Emergency Bypass System**DESCRIPTION**

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the CS-6 Emergency Bypass System that falls under Section A-Engineering Services and Section C Compensation for Engineering Services, Item No. 6 Additional Special Services and Exhibit D – Estimated Fees of contract #2603. This EWO serves as your approval for compensation to provide the following engineering services needed to finalize plans, specifications and easements required for the project (see the attached NTH December 6, 2024 proposal):

- Continued coordination meeting(s) with the City of Sterling Heights, ITC and OMIDDD, along with required field surveying to finalize easements and utility drawings.
- Incorporate remaining comments from the City of Sterling Heights, ITC and OMIDDD to finalize drawings.
- Prepare a construction package for bidding purposes.

The associated fee for these services is \$13,200.

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 6% and 5% respectively. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$13,200. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

RECOMMENDED	DATE: 12/6/2024	ACCEPTED	DATE: 12/12/2024
By: 		By: <i>Saju Sachidanandan</i>	
Joel Brown, P.E. Chief Engineer OCWRC		Saju Sachidanandan P.E. Sr. Vice President NTH Consultants Ltd.	
APPROVED	DATE: 12-12-24	APPROVED	DATE: Dec. 12, 2024
By: <i>Stephen Downing</i>		By: <i>Steven Korth</i>	
Stephen Downing Construction and Maintenance Manager MCPWO		Steve Korth, P.E. Chief Manager OCWRC	
Approved by the Drainage District Board on:			

Department No.:	6010101	Account No.:	SC730639
Fund No:	FND82912	Program No.:	PRG149662
Project No:	N/A	Project Activity:	N/A
Contract No:	PS2603-WDCON8173	Contract Exp:	12/31/2023

Oakland Macomb Interceptor Drain Drainage District c/o:
Mr. Joel Brown, P.E.
Chief Engineer
Office of the Oakland County Water Resources Commissioner
One Public Works Drive, Building 95 West
Waterford, MI 48328-1907

December 02, 2024
NTH Proposal No. 61-210495

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

**RE: Budget Increase Request
Supplementary Support Services at the Northeast Sewage Pumping Station
Oakland Macomb Interceptor Drain (OMID)
Wayne, Macomb, and Oakland Counties, Michigan**

Dear Messrs. Brown and Downing:

This letter presents our request for an increase to our engineering budget for the ongoing supplementary support services at the Northeast Sewage Pumping Station (NESPS). In 2021, per the request of OMIDDD Board, the OMID Project Team developed an emergency action plan that provides details as to how to respond to an electrical or mechanical catastrophic failure at the NESPS. In order to avoid basement flooding within the local sewers, the plan recommended modifying upstream manholes at strategic locations within the Oakland Macomb Interceptor Drain (OMID) and Macomb Interceptor Drain (MID) to facilitate emergency discharge pumping. However, following an electrical failure at the NESPS later in the year, Cortis Brothers/ Mersino Dewatering, Inc. installed a temporary dewatering system at the Control Structure CS-6 yard in the ITC Holdings Corp. (ITC) corridor as an emergency backup plan. Since then, OMIDDD issued Engineering Work Order No. D-439 (dated December 15, 2021) authorizing the Project Team to prepare relevant design details to bury the above-ground bypass pumping lines as a permanent set up for future emergency use.

The retained piping material was envisioned to be available as a permanent feature by installing the various discharge lines in a shallow underground arrangement generally following the original alignments. This plan provided for a greatly improved time schedule for emergency deployment of the pumping system where initially the fusion welded joint connection of the HDPE proved to be the greatest delay time element for system activation.

NTH proceeded to prepare installation drawings for the discharge system installation which included connection details, discharge point improvements, and various related tasks. Where practical, the proposed discharge line alignments were designed to occupy existing OMIDDD easements for the Interceptor itself and for the proposed adjacent bypass tunnel. Additionally, one segment of the



discharge was proposed to share an existing stormwater easement with Sterling Heights to minimize use of the Corridor open spaces. Preliminary discussions with both the ITC representatives and Sterling Heights Engineering Dept. were carried out, with questions, comments, and recommendations incorporated into revised drawing sets. Since the initial revisions, multiple plan revisions have occurred which reflect additional comments, primarily originating with subsequent ITC review iterations. Discussions with ITC and with the City of Sterling Heights remain on-going.

The budget overrun related to the above task was primarily due to the additional design/permit requirement meetings with ITC and City of Sterling Heights as well as the multiple field surveying efforts required to verify existing easements and alignment of the proposed bypass sewer. Several meetings were conducted, and modifications were made to the design drawings to satisfy the requirements of various agencies which were not accounted for in the original budget. Our team has accrued charges to perform the services and we are now requesting the associated budget increase and approval to invoice for these charges. Our accounting records indicate that the current budget has been exhausted, and we are currently holding charges incurred since mid-September 2024.

PROFESSIONAL FEES

We have reviewed our budget and prepared a projection of what additional budget will be required to continue our services complete the project. Fees for our services will be charged on a cost-plus fixed fee basis with a not-to-exceed budget in accordance with the 2009 Contract with the OMIDDD. Based on the current overrun (approximately \$3,200) and the remaining scope of services to finalize the design package, our estimated fee is \$13,200 including overrun.


TERMS AND CONDITIONS

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

We appreciate this opportunity to be of service to you and look forward to assisting you with the completion of this project. Upon your review, should you have any questions or comments, please feel free to contact us.


Sincerely,

NTH Consultants, Ltd.

DocuSigned by:

CC824AA61BE2419...

Lawrence T. Gilbert, P.E.
Senior Principal Engineer

LTG/SS/mam

Signed by:

205CDD68AC67493...

Saju Sachidanandan, P.E.
Project Manager

Agenda Item No. 7

Construction Estimates

Northeast Sewage Pumping Station- Pumping and Electrical Systems Upgrades Project
Located in the City of Detroit, Wayne County, Michigan

Regular Construction Estimate No. Fifty

Period :November 01 through November 30, 2024

Page One of Two

Department No.:	6010101	Account No.:	731472
Fund No.:	84917	Program No.:	149015
OMID 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, and including CS-9	\$44,107,745.19
Pre-Construction Payment (Separate Accounting)	. (\$1,244,560.00)
NESPS Pump & Elec. Upgrades Original Contract Budget	\$42,863,185.19
Change Orders, This Estimate: C.O. # 47	\$19,451.66
Previous C.O.s: (Numbers 7 through No. 46 and CS-9 # 1 through # 4)	\$7,807,505.87
Note: C.O. # 30 includes the budget transfer of \$70,196.70 from Pre-Con to GMP budget)	\$70,196.70
Adjusted Contract Amount including CS-9 values (Including C.O. # 45)	\$50,760,339.42
Sub-Total To Date	\$ 46,686,699.36
Less Deductions: None	\$ -
Less Amount Reserved (max. 10% of 50% of total CV, including CS-9 value)	\$ 2,538,016.97
Total Amount Allowed To Date: Work in Place = 91% complete	\$43,495,248.86
Less Previous Estimates: Balance to Finish: \$ 4,708,594.51	\$43,395,248.86
Payment Due	\$653,433.53
Reserve Pay to Contractor:	\$0.00

Accounting Auditor:

Amount to be Reserved	2,538,016.97
Less Previous Transfer to Reserve- Adjusted Value	2,537,044.39
Amount of Current Transfer to Reserve	\$972.58

Regular Construction Estimate No. 50; Nov. 01 through Nov. 30, 2024 - NESPS Pump & Electrical Upgrades

Page Two of Two

Prepared by: Lawrence T. Gilbert

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

Date: 12-05-2024

Recommended by: John Michalski

John Michalski, P.E., ASI

Date: 12/12/2024

Recommended by: Joel Brown

Joel Brown, P.E. Oakland County WRC

Date: 12/12/2024

Recommended by: Stephen Downing

Stephen Downing; Macomb County OPWC

Date: 12-12-24

Regular Construction Estimate No. 50; Nov. 01 through Nov. 30, 2024
NESPS Pump & Electrical Upgrades Project

Approved By Board On: _____

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the NI-EA OMID Contracts 2 A and 2 B - PCI 18 and 19 Rehabilitation
Located in the City of Detroit, Wayne County, Michigan
Project ID : TBD

Regular Construction Estimate No. Sixteen (Contr. 2-A Only)

Period: November 01 through 31, 2024

Department No.:	6010101	Account No.:	SC 731472
	FND84918	Program No.:	PRG 149015
Project No.:	PRJ-17408	Activity:	1-FAC-ACQ

Contractor:	Vendor # TBD Contract # 10396
Z Contractors, Inc.	License # 07130 exp. 4-30-25
50500 Design Lane	Final Completion Dates Oct. 28, 2024 (2A) & June 24, 2025 (2-B)
Shelby Township, MI 48315	Adjusted Final Completion Dates: Same

Original Construction Contract Amount	(Contract 2-A, Only)	\$9,488,650.00
Previous Change Orders: No. One and Two		\$37,930.25
Change Orders This Estimate: No. Three		\$10,974.82
Total Net Change Orders:		\$48,905.07
Adjusted Contract Amount: (Contract 2A Only)		\$9,537,555.07
Sub-Total To Date		\$7,897,291.58
Less Deductions: None		\$0.00
Gross Estimate, Work in Place	82.8 % Complete	\$7,897,291.58
Less Amount Reserved (Reduction in reserve to LS \$ \$476,877.75- \$200,000.00 = \$276,877.75)		\$276,877.75
Total Amount Allowed To Date:		\$7,620,413.83
Less Previous Estimates		\$7,401,379.23
Net Payment Request To Be Paid To Contractor:		\$219,034.60
Reserve Payment to Contractor:		\$199,451.27
Balance to Finish: \$ 1,640,263.49	Accounting Auditor:	
Amount to be Reserved from Above		\$276,877.75
Less Previous Transfers To Reserve:		\$476,329.02
Amount of Current Transfer		\$199,451.27

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

Date: 12-12-2024

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

Date: 12-12-2024

Recommended by: Jennifer Cook
Jennifer Cook, P.E. Oakland County WRC

Date: 12/12/2024

Recommended by: Stephen Downing
Stephen Downing; Macomb County OPWC

Date: 12-12-24

Regular Pay Estimate No Sixteen; Nov. 1 through Nov. 30, 2024

Approved By Board On: _____

Agenda Item No. 8

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

Oakland Macomb Interceptor Drain Drainage District (OMIDDD)

Progress Update for Various Rehab Projects

Prepared by:

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

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

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

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

December 18, 2024 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (December 9, 2024) 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: Complete

Odor/Corrosion Control Systems: Construction NTP Sept. 10, 2024

Amount Invoiced:

- | | |
|---|----------------|
| • CCC Construction Contract Value: | \$7,419,000.00 |
| • Jacobs Team Project Budget (with EWO#5): | \$2,375,161.86 |
| • Total Jacobs Spent (Invoice No. 19, through November 22, 2024): | \$1,069,734.13 |

Schedule Status:

- Construction NTP was September 10, 2024.
- Construction is currently on time according to the latest project schedule
- Final Completion for the overall project is April 25, 2026.

Status of Major Project Tasks:

- CCC prepared and submitted a revised project baseline schedule and a revised schedule of values and Jacobs took no exceptions.
- Key submittals for long-lead equipment items is being prepared by CCC for Jacobs to review.
- CCC and OMIDDD representatives selected and implemented Procore for the project document management platform.
- CCC plans to begin site construction at the ST-S-3 site (Dodge Park Road and Sorrento Blvd) in February/March 2025.
- Sterling Heights plans to bid a local sewer lining project in Dodge Park Road near the ST-S-3 site. OMIDDD and Jacobs are coordinating with the City to assess potential conflicts with this project.
- As part of their contract, Jacobs is conducting an odor study at Control Structure No. 9 (10 Mile Road and the ITC Corridor in City of Warren) due to recently received odor complaints. This additional effort is ongoing and is covered under contract amendments (EWO #4 and EWO #5).
- Permitting activities include the Sterling Heights' Engineering Department site plan review, which was completed, pending permits to be pulled by CCC. Sterling Heights' Building Department site plan review was also completed. Jacobs processed payment of the Engineering Review fee, with

reimbursement by OMIDDD. CCC is coordinating with the City regarding remaining permits/approvals and with utility providers for utility relocates (e.g., DTE).

- The design of the Control Structure No. CS-6 (15 Mile Road/ITC Corridor) odor/corrosion control facility remains on hold until the terms for grant funding of the adjacent Sterling Heights parcel (east of the ITC Corridor) are clarified with the National Park Service (grant originator), and data from other odor/corrosion control sites is available.

SRF Segment 2 (Contract 3) Status: Complete

SRF Segment 3 (Contract 4) Status: Complete

SRF Segment 4 (Contracts 5-7) Status: Complete

NESPS Odor/Corrosion Control System: Complete

NESPS & OMID Maintenance, Operations & Upgrades Status:

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

- Mersino is under contract for standby emergency bypass pumping. No activity this month.
- The OMIDDD Project Team has finalized design (pending final property agreements) for keeping the 15 Mile Road bypass pumping arrangement (initially constructed in summer 2021) intact and buried below grade. Final design package to be used to solicit bids from several OCWRC and MCPWS Blanket Contract Holders. Solicitation of bids is on hold pending negotiations and final agreement with ITC and other property owners. Now pursuing a licensing agreement with ITC.
- Remaining items in the final emergency plan include punch-list and modifications at the 15 Mile Road Site, and overall optimization of the Emergency Plan per above. The final plan document will be revised after final installation of the emergency pumping conveyance conduit.

Additional work being performed under Metco Maintenance Contract for NESPS:

- Mechanical and Electrical corrective/preventative maintenance schedules continue.
- Coordination between OMIDDD, GLWA, MIDD, and Pump/Electrical Upgrade Project is ongoing and has not impacted station operations or the ability to meet demand.
- Install of the new wet well elevator continues, completion scheduled for Dec 2024.
- Stand-by Generator tie-in to new electrical switchgear is ready for service.
- New Transformer(s) T3 and T4 are in service providing dual electrical duty.
- Sanitary Pump #4 variable frequency drive (VFD) has a ship date of December 13, 2024. Preparations remain on track to install the VFD and related equipment. Start-up projected for the first quarter of 2025.
- Lardner has applied for the final Dry Well Elevator Permit from the City of Detroit. Outstanding items include the closeout inspection and emergency power tie-in. (Work remains in progress). An inspection date will be requested once the work has been completed. This is still a work in progress with a temporary permit in place.
- The north and south bar screens were last inspected on October 4, 2024, with minimal debris observed. Bar Screen cleaning will be on an as-needed basis through routine inspections, the next one scheduled for end of Jan 2025.
- New Sanitary Pump #6 Installed and slated for a round of performance tests starting

the December 12 through December 17, 2024.

Overall NESPS Station Performance Report by METCO:

- Mechanical: Sanitary Pumps #1 #2, #3, #5 and dewatering pump are ready for duty (Pumps #1, #3, and #5 have not performed to the design capacity but are provisionally approved by the manufacturer for use while evaluations and consideration of options for mitigation continue). Current Total Pumping Capacity equals 385cfs. Contract Capacity 423cfs. Firm Capacity 400cfs.
- The overhaul of Sanitary Pump #4 shaft bearings and pump mechanical seal is complete.
- The wet well dewatering pump required a lip seal replacement which has been performed. All related shaft bearings were also replaced.
- NESPS/GLWA LOTO (Lock-Out Tag-Out) continues as a primary means of safety communication.
- Dry well submersible sump Pumps #1 and #2 have been demolished. New pumps were installed and tested. Pumps will undergo performance observations over the next 30 days.
- CMMS: NEXGEN asset management in use. Monthly status meetings are being held with OMIDDD. Contractors are fulfilling their NEXGEN requirements with no outstanding issues.
- HVAC: New oxygen sensors are performing as designed. Rounds are conducted daily. Unit air filters are re-stocked and changed as required. Station ventilation and gas detection continue to be closely monitored.
- Bio Filter performance has been acceptable. No odor or complaints have been reported.
- Overall General Housekeeping tasks remain in order. Minor maintenance activities continue to be addressed in a timely manner.

Control Structures Performance Report (CS-5, CS-6, CS-7, CS-8, CS-9):

- Daily flow control operations continue to support MID/OMID/NIEA repair and improvement projects. (Weather permitting).
- No odors noticed by OMIDDD personnel during normal field operations.
- All LOTO protocols remain in place.
- System-wide communications are good.
- CS-5, CS-6 and CS-8 gates are in stand-by mode and ready for service.
- CS-9 in stand-by mode and ready for service. Hesco and Rotor coordinating replacement of electrical junction box and sesor.
- Routine daily rounds and inspections made.

Other System Operation Issues

- O&M Manual is currently being revised to include new structures, recently modified structures, new monitoring equipment, EGLE approval of gate use for long term flow management, and recent inspection and repair status.

OMID Control Structure Upgrades Status:

- ASI is complete with design of major upgrades to control structures which takes into consideration long-term operability.
- Currently considering options for contract delivery (i.e., one or multiple contracts, etc.)
- Currently evaluating potential impacts on other projects and best timing for construction, although start of the work is on hold and tentatively planned for some time in 2025.

OMID System 6-Year Inspection Status:

- All inspections are complete and the final report has been finalized. Certain maintenance repairs identified during the inspection are planned to be completed by one of WRC or MCPWC task-order contractors; solicitation in progress.

NIEA Rehabilitation

Contract 1 (PCI-4 Rehabilitation): Complete

Contract 2A (PCI-18/19 Rehab): In Construction

Amt Invoiced: \$7,897,291.58 out of \$9,537,,555.07 (construction, Contract 2A only) has been completed, representing 83 % complete.

Schedule Status: Contract 2A: The current Schedule projects Substantial Completion for Dec 21, 2024.

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

- Traffic control equipment along Van Dyke is demobilized, with all lanes now open to normal traffic. Installation of the PC 663 Bulkhead and Control Gate remains in progress, with controls and instrumentation remaining.
- The Seven Mile shaft is complete, and 7 Mile Road is now fully open to normal traffic.
- Geotechnical instrumentation final readings have been taken indicating stable conditions.
- The PC 663 main bulkhead gate has been installed with work underway on the Control gates and actuators. As noted, the gate operating hardware is fully installed and control work continues.
- The Contractor and the Engineer's field staff have continued to work successfully with the local community on traffic control issues and business interference concerns.
- Coordination efforts between Contract 2B (projected to begin March 2025) and downstream DRI work by GLWA continue. Coordination meetings monthly, with future meetings as necessary.

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
Contract Award and NTP			12/16/2020 and 1/04/2021 (Contract 1) 6/20/23 and 7/1/23 (Contract 2)
Subtotal - Design	\$2,400,570		
Completion of Construction	\$3,500,000	\$28,630,000	Contract 1, SC at 1/24; FC 4/24 Contract 2A& B, est. SC at 9/24 and FC 8/25.



C2A South electrical panel



C2A North electrical panel

NESPS Pump and Electrical Upgrades Project

- Budget Status:** The total construction amount invoiced as of November 30, 2023, is \$ 46,686,699.36 out of \$ 50,740,887.76 budget (including the operational Control Structure 9 Bulkhead Gate facility and adjusted for stored material inclusion in major work activities), representing 91 % of the Pump & Electrical Upgrades Project, with additional change order additions equalizing the regular work completion values.
- Schedule Status:** Work is currently influenced by performance evaluations of Pump #1, #3, and #5. The estimated delay is 24 months, which cannot be recovered. The project team hopes to reduce further delay with schedule enhancement efforts. Negotiations with the Contractor are ongoing. Completion Currently estimated as April 10, 2025

The following Design Team and Construction Services Effort is active:

- Construction Phase services (RFIs, Submittals) are ongoing, and the engineering team is reviewing and responding.
- The new Sewage Pumps #1, #3 and #5 have been installed with all 3 pumps approved for provisional use but currently operating below design capacity. "Flow-fin" vanes have been installed in Pump #6 influent piping/spool to address the previously identified "pre-swirl" effects. This process may be repeated at the other pumps on the basis of Pump #6 results.
- The original Knife Gate Valve (KGV)# 6 has been dismantled from its operating location and is stored outside. The new replacement KGV # 6 is now installed and operable. Concrete support

foundations for Pump 6 are complete, and the Devcon ring and conical pump base installed. The erection of Pump 6 is underway, followed by final shaft alignment and grouting.

- Sanitary Pump #5 is in service for the initial evaluation period. While discharge rates are somewhat below design expectations, the overall performance has been generally positive.
- Demolition of the existing Wet Well Elevator components is complete. The installation of the new elevator, rail, and accessory equipment continues on-schedule, projected for completion in late December 2024.
- A review of alternative energy saving methods and pump sequence remains ongoing, incorporating GLWA SCC comments.
- Installation of small diameter conduit runs, lighting improvements, fire alarm systems, and wiring in the existing NESPS building is approaching substantial completion.
- The August 23, 2022 Arc-Flash incident remains under investigation. The Construction Manager has filed an OCIP claim with first payment received by OMID and disbursement in process.
- Schedule adjustments are currently under discussion. The Contractor has revised the sequence of rehabilitation for the existing Pump Knife Gate Valves: KG#1, #2, and #5 have been re-installed after rehabilitation. KGV #6 is now replaced with a new knife gate valve rather than refurbishing the original to realize schedule improvements and potential cost savings.
- Work on the alternate discharge piping installation for the Dewatering Pump is complete. Personnel safety screens have been installed. Modifications to the shaft screens on the larger Sewage Pumps have also been completed to allow for greater maintenance flexibility.
- All phases of concrete paving are now complete. Final site grading and punch-list work is ongoing and near completion.
- Fabrication of the new 25-ton overhead crane for the Motor Room continues, with factory tests performed on November 13, 2024. The installation schedule will be coordinated with other tasks involving use of the crane to avoid any delays to ongoing work. The removal of the existing bridge crane will start Dec. 9, 2024 followed by a 3 week period for new crane erection.
- Underground electrical conduit installation extending from the standby generators to the electrical building basement is complete with power and control cable installation in progress.
- The new duplex sump pumps are installed and are operable in the dry well pipe gallery sump area, and floats and level controls are also functioning.

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
9	Final Package Development			8/14/2020
	Subtotal	\$3,826,000		
10	Substantial Completion	\$2,500,000 (est.)	\$49,380,000	4/10/2025 (late)
11	Final Completion		\$49,380,000	June 2025 (late)



Freshly painted Pump #6 elbow on 3rd floor



Freshly painted Pump #6 elbow on 3rd floor



Installing Pump #6 electrical motor



Installation of Pump #6



Pump #6 drive shafts after alignment with motor



Pump #6 speed sensor and thrust bearing on 2nd floor



Manhole cover adjustment per punch list



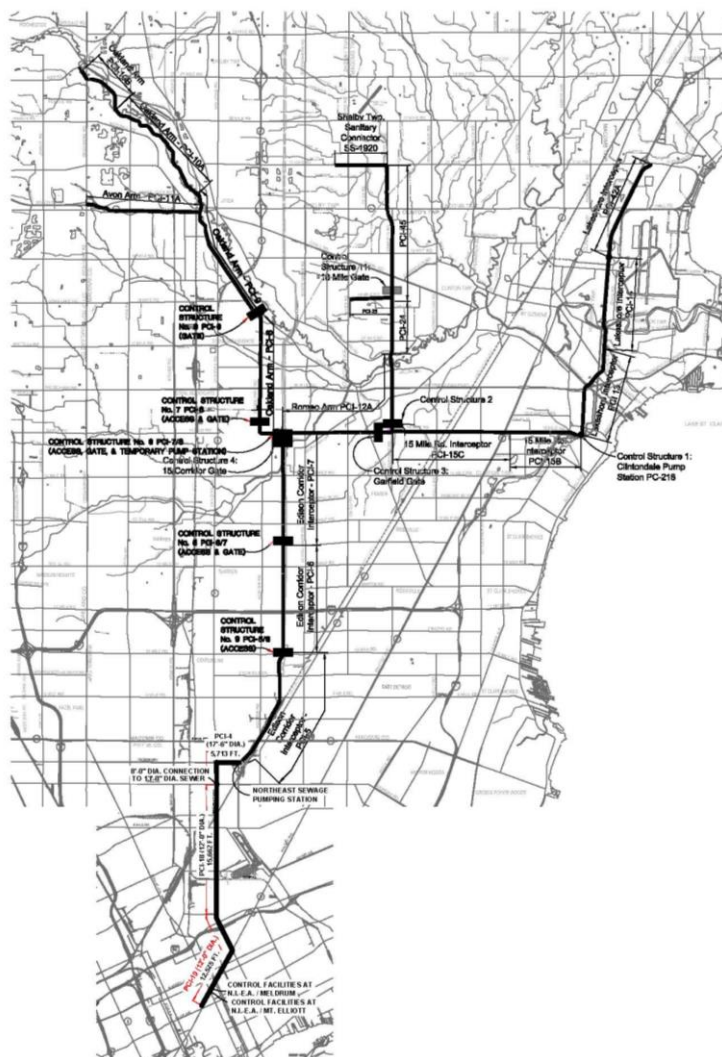
Gutter and downspouts of new metal roofing system

OMID Improvements at CS-6 Site (lining btwn CS-12 & CS-4)

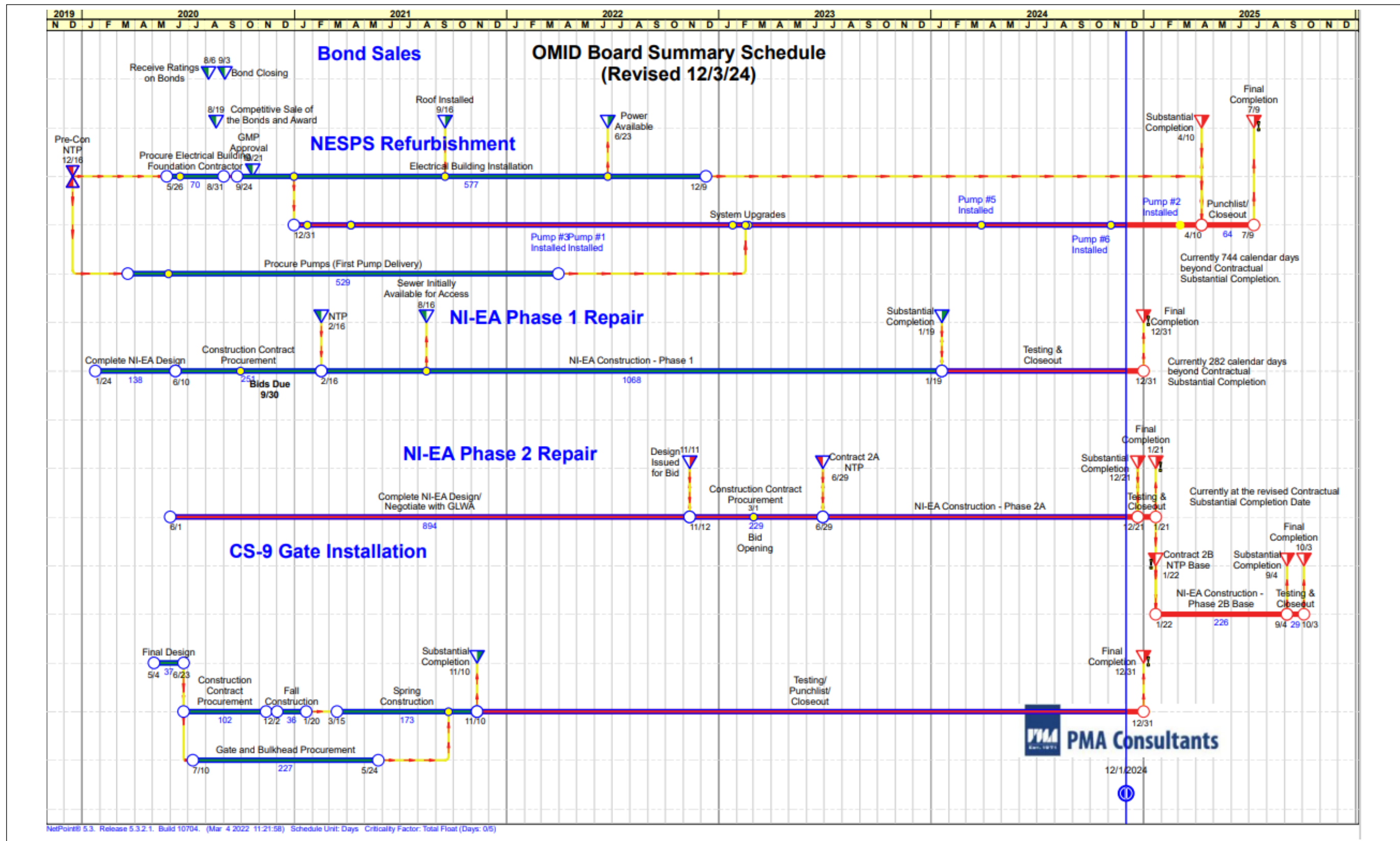
Slip lining with Hobas upstream of CS12 and grouting of the annular space is completed upstream of CS-12 (~6,930 feet). At this time, the original Contractor has demobilized from the site and the locks have been changed. The new Contractor will be mobilizing to the site during the next reporting period.

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/Y	Y/Y/Y	Y/Y/Y	N/A
N/A	OMID Maintenance Repairs	Doetsch	Y	Y	Y	Y	N/A
N/A	CS-9 Gate Modifications	Walsh as CMR	Y	Y	N	N	Y
N/A	NESPS Pump & Electrical Upgrade	ASI;Walsh as CMAR	N	N	N	N	Y
N/A	3-year inspection and repairs	Doetsch	Y	Y	Y	Y	N/A
N/A	6-year inspection	Doetsch	Y	Y	Y	Y	N/A
N/A	NIEA-OMIDDD Contract 1 (PCI-4)	Marra	Y	Y	Y	Y	Y
N/A	NIEA-OMIDDD Cont 2 (PCI-18/19)	Z Contractors	N	N	N	N	N
Work Currently in Design/Study/Engineering							
Description		Design Consultant		Status			
System-wide Odor/Corrosion Design		Jacobs		Design and bidding Complete, award to CCC pending			
NESPS & OMID Maintenance & Repairs		Metco		Engineering/Maintenance Ongoing			
Emergency Pumping Plan		ASI/NTH/FKE		Draft Plan to be modified following ITC bypass pumping modifications			
Control Structure Upgrades		ASI		Design Complete; On hold for bidding			



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



OMID Project Schedule Summary

MID/OMID Construction Schedule

Project	Work Location	Owner	Lead Engineer	Contractor	##	2025														MID/OMID Control Devices Required to Store Flow										Concurrent Work Notes	
						D	J	F	M	A	M	J	J	A	S	O	N	D	J	CS-2	CS-3	CS-5	CS-6	CS-6 PS	CS-7	CS-8	CS-9	CS-12	CS-13		CPS
Segment 6 Lining	15 Mile upstream of Garfield (15 Mile Interceptor)	MID	FKE	Ric-Man															-	-	-	-	-	-	-	-	Y	Y	-	Flow control on pause but upcoming. May work concurrent with Segment 5 or NIEA rehabilitation. Schedule is estimated.	
	15 Mile upstream of Garfield & between CS-2/CS-3 (Romeo Arm)	MID	FKE	Ric-Man															Y	Y	N	-	-	-	-	-	H	Y	Y	-	May work concurrent with Segment 5 or NIEA rehabilitation. Flow control conditions at the CS gates is similar with the exception of utilizing CS-2. Schedule is estimated.
Segment 5 Lining	15 Mile between ITC Corridor & Eberlein	MID	FKE	ORC/TBD															-	Y	N	Y	-	Y	Y	-	Y	-	H	-	Work is ending under ORC in November. Remaining work is to be completed under another Contract at a start date yet to be determined.
NIEA Rehabilitation (Downstream of NESPS)	PCI-18/19 Flow Control Structures (Contract 2A)	OMID	NTH	Z Contractors															-	Y	N	Y	-	Y	Y	Y	-	-	H	-	Gate Implementation. MID/OMID flow control may be required depending on 7-Mile Relief Inter-Connection and PC-663 Gate status. Coordination with GLWA and downstream system when flow is diverted to 7 Mile Relief.
	PCI-18/19 Spot Repairs and Linings (Contract 2B)	OMID	NTH	Z Contractors															-	N	N	N	N	N	N	N	N	N	-	Y	PC-663 Gate closure will divert flow to 7 Mile Relief Sewer. Coordination with GLWA and downstream system when flow is diverted to 7 Mile Relief. NESPS should operate normally to pass DWF rates. Requires NESPS Gates 3 and 4 to be Closed
NESPS Improvements	NESPS Pump Replacement	OMID	ASI	Walsh															-	Y	-	Y	-	Y	Y	Y	-	-	H	-	Will require brief flow control for pump installation, gate installation, and electrical work.
DB-226 DRI Repairs (Reach 2A - 3B)	GLWA - DRI	GLWA	FKE	Jay Dee															-	-	-	-	-	-	-	-	-	-	-	-	Can be effected by flows rerouted from the NIEA to the DRI. Project status changes in late 2024 following completion of Reach 3B after which flow control for NIEA C2B is not impacted..
DB-226 DRI Repairs (Reach 3C)	GLWA - DRI	GLWA	FKE	Jay Dee															-	-	-	-	-	-	-	-	-	-	-	-	Work is independent of OMIDDD for the most part. Coordination recommended with C2 work.
Odor and Corrosion Control System	ST-S-3, ST-S-1 Sites	OMID	Jacobs	CCC																											Periodic requests for storage /no storage may be necessary at CS-6, CS-7, CS-8
Flow Control Structure Rehabilitation	CS-5, CS-6, CS-7, CS-8	OMID	ASI	TBD															N	N	-	-	-	-	-	N	N	-	N	-	Work will take CS Structures out of Service during Gate and Operator modifications. Project currently on hold.
MID Inspection	Routine Inspection of MID Manholes & Interceptors	MID	NTH	Doetsch															-	-	-	-	-	-	-	-	-	-	-	-	TDB
PSPS / COSDS Work (PSPS Shutdown)	PSPS	WRC	n/a	n/a															-	-	-	-	-	-	-	-	-	-	-	-	Diversion to PSPS is 10 to 15 MGD. Scheduled shut down of PSPS for yearly maintenance; no flow diversion to Pontiac WWTP (CRWRRF) during this time. Will significantly impact storage capabilities on the Oakland Arm CS gates. 2024 Shutdown completed week of 9/23/24.

Monthly Final

Table updated for 12/1/2024. Estimates to be updated as necessary.

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

- Y = Required to store
- N = Required to not store
- H = Helpful to extend work times. *If available when not required for concurrent work.*
- = Irrelevant
- Estimated Project Window
- Flow Control Required
- Flow Control May Be Required

Agenda Item No. 9

**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 2, 2025		OMID SEGMENT 5 BOND ISSUE PRJ-13252	OMID NI-EA CONSTRUCTION PRJ-13308	NESPS MECH-ELEC CONSTRUCTION PRJ-13309	YTD Balance
100100	Cash - Operating	3,038,942.09	3,932,377.96	4,913,631.33	11,884,951.38
143100	PrepaidExpemses			203,459.02	203,459.02
	ASSETS	3,038,942.09	3,932,377.96	5,117,090.35	12,088,410.40
201210	Vouchers Payable AP Cont		0.00	(663,645.69)	(663,645.69)
222300	Unearned Revenues	0.00	0.00	(897,638.74)	(897,638.74)
	LIABILITIES	0.00	0.00	(1,561,284.43)	(1,561,284.43)
605000	Special Assessments Revenue		(831,327.96)	(1,613,754.28)	(2,445,082.24)
655000	Income From Investments	(39,929.85)			(39,929.85)
	REVENUES	(39,929.85)	(831,327.96)	(1,613,754.28)	(2,485,012.09)
730000	Contractual Services		0.00	1,666,699.72	1,666,699.72
770000	Internal Support Expenditures		5,328.36	13,236.89	18,565.25
	EXPENSES	0.00	5,328.36	1,679,936.61	1,685,264.97
381315	FB Restricted Debt	(47,288,433.00)			(47,288,433.00)
382100	FB Committed for Capital Proj	44,289,420.76	(3,106,378.36)	(3,621,988.25)	37,561,054.15
	Fund Balance	(2,999,012.24)	(3,106,378.36)	(3,621,988.25)	(9,727,378.85)
		(0.00)	0.00	(0.00)	(0.00)

Cash as of 11/30/2024 \$ 11,884,951.38

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance 0.00

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (675,677.08)

Total Net Cash Balance \$ 11,209,274.30

Oakland County

PRJ-13308 OMID NI-EA CONSTRUCTION

Project Task

FY2025 - Nov

Revenue Over/ (Under) Expenses	3,932,377.96
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OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13309 NESPS MECH-ELEC CONSTRUCTION
Budget Structure Project Task
Budget Name
Period FY2025 - Nov

Project	Final Budget	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	54,086,000.00	705,907.81	24,020.94	(24,020.94)	1,679,936.61	1,679,936.61	50,021,104.05	4,064,895.95
1 > Administration	620,000.00	651.30	-	-	663.26	663.26	49,666.23	570,333.77
1 > Engineering	446,000.00	7,215.09	-	-	8,161.63	8,161.63	348,303.98	97,696.02
1 > Engineering Consultants	3,987,000.00	101,530.43	24,020.94	(24,020.94)	101,530.43	101,530.43	4,424,498.52	(437,498.52)
1 > Facility Acquisition	40,857,000.00	516,872.63	-	-	1,516,872.63	1,516,872.63	42,834,292.33	(1,977,292.33)
1 > Inspection	285,000.00	1,457.28	-	-	4,412.00	4,412.00	441,968.75	(156,968.75)
1 > Legal and Financial	2,417,000.00	78,181.08	-	-	98,296.66	98,296.66	674,280.35	1,742,719.65
1 > STANDARD	130,000.00	-	-	-	(50,000.00)	(50,000.00)	1,245,943.58	(1,115,943.58)
1 > Survey	34,000.00	-	-	-	-	-	2,150.31	31,849.69
Project Revenues	-	-	-	-	1,613,754.28	(1,613,754.28)	53,576,909.97	
RC605572 - Special Assessments Revenue	-	-	-	-	1,613,754.28	(1,613,754.28)	10,969,811.96	
RC697551 - Issuance of Bonds	-	-	-	-	-	-	41,837,622.01	
RC698200 - Insurance Recoveries	-	-	-	-	-	-	769,476.00	
Revenue Over/ (Under) Expenses							<u>3,555,805.92</u>	

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-13252 OMID Segment 5
Budget Structure Project Task
Budget Name
Period FY2025 - Nov

Project	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	-	-	-	-	-	757,136.57	(757,136.57)
1 > Administration	-	-	-	-	-	242,201.57	(242,201.57)
1 > Legal and Financial	-	-	-	-	-	514,935.00	(514,935.00)
Project Revenues	39,929.85	-	-	39,929.85	(39,929.85)	3,796,078.66	
RC605572 - Special Assessments Revenue	-	-	-	-	-	894,060.05	
RC655077 - Accrued Interest Adjustments	-	-	-	-	-	86,724.04	
RC655385 - Income from Investments	39,929.85	-	-	39,929.85	(39,929.85)	1,729,207.24	
RC655462 - Increase Market Value Investment	-	-	-	-	-	1,084.24	
RC697219 - Premiums on Bonds Sold	-	-	-	-	-	7,672,724.75	
RC697551 - Issuance of Bonds	-	-	-	-	-	(6,587,721.66)	
Revenue Over/ (Under) Expenses						3,038,942.09	

YTD Trial Balance Fund: 84918 NIEA Contract #2 As of Fiscal Period: Month 2, 2025		NIEA Contract #2 Bond Issue PRJ-17384	NIEA Contract #2 Construction PRJ-17408	YTD Balance
100100	Cash - Operating	308,136.82	8,729,365.00	9,037,501.82
	ASSETS	308,136.82	8,729,365.00	9,037,501.82
201210	Vouchers Payable AP Cont		(217,462.55)	(217,462.55)
222300	Unearned Revenues		(4,009,859.03)	(4,009,859.03)
	LIABILITIES	0.00	(4,227,321.58)	(4,227,321.58)
605000	Special Assessments Revenue		(5,359,369.12)	(5,359,369.12)
655000	Income From Investments	(29,839.90)		(29,839.90)
	REVENUES	(29,839.90)	(5,359,369.12)	(5,389,209.02)
730000	Contractual Services		217,548.05	217,548.05
	EXPENSES	0.00	217,548.05	217,548.05
382100	FB Committed for Capital Proj	(278,296.92)	639,777.65	361,480.73
	Fund Balance	(278,296.92)	639,777.65	361,480.73
		0.00	0.00	0.00

Cash as of 11/30/2024 \$ 9,037,501.82

Invoices/Reimbursements for Construction PRJ-17408 on Current Agenda impacting Cash Balance (275,004.75)

Total Net Cash Balance \$ 8,762,497.07

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-17408 NI-EA C2 PCI 18&19 Rehab
Budget Structure Project Task
Budget Name
Period FY2025 - Nov

Project	Final Budget	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	15,600,000.00	217,548.05	-	-	217,548.05	217,548.05	9,097,347.26	6,502,652.74
1 > Engineering	235,465.00	-	-	-	-	-	716.16	234,748.84
1 > Engineering Consultants	2,089,000.00	82,695.89	-	-	82,695.89	82,695.89	1,218,837.35	870,162.65
1 > Facility Acquisition	12,596,000.00	134,766.66	-	-	134,766.66	134,766.66	7,401,379.24	5,194,620.76
1 > STANDARD	15,796.00	85.50	-	-	85.50	85.50	476,414.51	(460,618.51)
PRJ-17408 NI-EA C2 PCI 18&19 Rehab	-	-	-	-	5,359,369.12	(5,359,369.12)	13,599,390.68	
RC605572 - Special Assessments Revenue	-	-	-	-	5,359,369.12	(5,359,369.12)	5,552,583.97	
RC631827 - Reimb General	-	-	-	-	-	-	2,250,000.00	
RC697219 - Premiums on Bonds Sold	-	-	-	-	-	-	176,878.45	
RC697551 - Issuance of Bonds	-	-	-	-	-	-	5,619,928.26	
Revenue Over/ (Under) Expenses							<u>4,502,043.42</u>	

OCM Project Work In Progress

Company Oakland County
Projects and Project Hierarchies PRJ-17384 OMIDDD NIEA Contract2 Bond Adm
Budget Structure Project Task
Budget Name
Period FY2025 - Nov

Project	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	-	-	-	-	-	124,622.50	(124,622.50)
1 > Administration	-	-	-	-	-	124,622.50	(124,622.50)
Project Revenues	29,839.90	-	-	29,839.90	(29,839.90)	432,759.32	
RC655385 - Income from Investments	29,839.90	-	-	29,839.90	(29,839.90)	322,687.58	
RC697551 - Issuance of Bonds	-	-	-	-	-	110,071.74	
Revenue Over/ (Under) Expenses						308,136.82	

YTD Trial Balance FND84919 OMIDDD Odor and Corrosion Control As of Fiscal Period: Month 2, 2025		OMIDDD NI-EA Odor Corrosion Funding PRJ-17668	OMID Odor/Corrosion System Construct PRJ-17705	YTD Balance
100100	Cash - Operating	7,967,499.44	(3,995.55)	7,963,503.89
	ASSETS	7,967,499.44	(3,995.55)	7,963,503.89
222300	Unearned Revenues	(7,906,507.04)		(7,906,507.04)
	LIABILITIES	(7,906,507.04)	0.00	(7,906,507.04)
655000	Income From Investments	(24,648.29)		(24,648.29)
	REVENUES	(24,648.29)	0.00	(24,648.29)
770000	Internal Support Expenditures		3,995.55	3,995.55
	EXPENSES	0.00	3,995.55	3,995.55
382100	FB Committed for Capital Proj	(36,344.11)	0.00	(36,344.11)
	Fund Balance	(36,344.11)	0.00	(36,344.11)
		0.00	0.00	0.00

Cash as of 11/30/2024 \$ 7,963,503.89

Invoices/Reimbursements for Construction PRJ-17408 on Current Agenda impacting Cash Balance 0.00

Total Net Cash Balance \$ 7,963,503.89

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Oakland County

PRJ-17668 OMIDDD NI-EA Odor Corrosion Funding

Project Task

FY2025 - Nov

Project	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	-	-	-	-	-	-	-
Project Revenues	24,648.29	-	-	-	-	60,992.40	
RC655385 - Income from Investments	24,648.29	-	-	-	-	60,992.40	
Revenue Over/ (Under) Expenses						60,992.40	

Company	Oakland County
Projects and Project Hierarchies	PRJ-17705 OMID Odor/Corrosion System Construct
Budget Structure	Project Task
Budget Name	
Period	FY2025 - Nov

Project	Final Budget	Actuals MTD	Commitments YTD	Obligations YTD	Actuals YTD	Total Spend YTD	Actuals LTD	Variance
Project Expenses	11,400,000.00	1,948.79	-	7,419,000.00	3,995.55	7,422,995.55	4,494.51	11,395,505.49
1 > Administration	-	-	-	-	998.22	998.22	998.22	(998.22)
1 > Engineering	193,000.00	1,872.68	-	-	2,776.00	2,776.00	3,274.96	189,725.04
1 > Inspection	295,000.00	76.11	-	-	221.33	221.33	221.33	294,778.67
Project Revenues	-	-	-	-	-	-	498.96	
RC605572 - Special Assessments Revenue	-	-	-	-	-	-	498.96	
Revenue Over/ (Under) Expenses							(3,995.55)	

Oakland County - Water Resources Commissioner's Office
Fund Equity: Schedule of Reserves and Dedicated Funds
As of Date: November 30, 2024

Fund	Description	Major Maintenance	Emergency Maintenance Reserve	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	5,107,847.94	2,515,991.49	7,519,277.75	4,284,270.05		19,427,387.23
84917	OMIDD Seg 5						
	- Project 1-3252 Interceptor Seg 5					3,038,942.09	
	- Project 1-3308 NI - EA Construction					3,932,377.96	
	- Project 1-3309 NESPS Construction					<u>3,555,805.92</u>	<u>10,527,125.97</u>
84918	OMIDDD North Interceptor East Arm – Contract #2						
	- Project: PRJ-17384 OMIDDD NIEA Contract2 Bond Adm					308,136.82	
	- Project: PRJ-17408 OMIDDD NIEA Contract2 Construction					<u>4,502,043.42</u>	<u>4,810,180.24</u>
84919	OMIDDD North Interceptor East Arm – Contract #2						
	- Project: PRJ-17688 OMIDDD NIEA Odor Corrosion Bond Adm					60,992.40	
	- Project: PRJ-17705 OMID Odor/Corrosion System Construction					<u>(3,995.55)</u>	<u>56,996.85</u>
Total Equity in Maintenance and Construction Funds							<u><u>34,821,690.29</u></u>

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

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMIDD Meeting Date 11/20/2024

		84917 1-3308	84917 1-3309	84918 1-7408	82912	
<u>Payable To</u>	<u>Invoice #</u>	<u>Segment 5 NIEA Construction</u>	<u>Segment 5 NESPS Mech / Electric Construction</u>	<u>NIEA Contract #2 Construction</u>	<u>Operations & Maintenance</u>	<u>Total</u>
Oakland County *	WRC Labor/Fringes/Non-direct Labor (09/21/2024 - 10/18/2024)	4,219.63	9,071.65			13,291.28
Oakland County *	WRC Equipment (09/21/2024 - 10/18/2024)	89.95	252.02			341.97
Clark Hill PLC	Invoice #1511484 Matter 463149 Walsh Construction Svs Through 11/30/2024		14,280.00			14,280.00
CSM Mechanical, LLC	Invoice # 4157 - Job 2600 11/5/2024				15,695.66	15,695.66
Jacobs Consultants, Inc.	Invoice # C6A19900-19 OMIDD Odor & Corrosion Facilities 9/19/24 -10/09/24				47,853.24	47,853.24
Kennedy Industries	Invoice # 643739 - NEPS Pump Field Service 9/26/24				626.50	626.50
Lardner Elevator Company	Invoice # 203075 - Elevator Maintenance Octobber 2024				204.00	204.00
Macomb County	AR24001536 Personnel & Utilities Reimbursment, 7/1/24 - 9/30/24, and SCADA Maintanence				25,864.69	\$25,864.69
METCO Consulting Engineers	Invoice # 1811-71 11/3/2024 Through 12/1/2024				69,634.54	69,634.54
Motor City Electric Technologies	Invoice # 96086 CP-4 Panel Replace 11/11/24				120,000.00	120,000.00
Motor City Electric Technologies	Invoice # 96049 T&M SCADA Work 10/24/24				262.50	262.50
NTH Consultants	Invoice # 637767 (D-421 & D-462) Engineering Services 10/26/2024 - 11/22/2024		6,990.97			6,990.97
NTH Consultants	Invoice # 637766 (D-458 & D-463) Engineering Services 10/26/2024 - 11/22/2024			55,970.15		55,970.15
Walsh Construction	Construction Estimate # 49 NESPS Pump & Electircal Upgrades Project		654,406.11			654,406.11
Z Contractors	Construction Estimate # 16 NI-EA contract #2A and 2B - PCI 18 and 19			219,034.60		219,034.60
Total Invoices/Reimbursements for Approval		4,309.58	685,000.75	275,004.75	280,141.13	1,244,456.21
* Less WRC Charges already paid from OMI Fund		(4,309.58)	(9,323.67)	0.00		(13,633.25)
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board		0.00	675,677.08	275,004.75	280,141.13	1,230,822.96

Agenda Item No. 10

Invoices

Macomb County Public Works
21777 Dunham Rd
Clinton TWP, MI 48036

mcpwo.finance@macombgov.org
<https://www.macombgov.org>
(586) 469-5325



INVOICE

Date	Invoice Number
09/30/2024	AR24001536

Payment Terms	Due Date
Immediate	09/30/2024

Bill To:
COUNTY OF OAKLAND OAKLAND CO TREAS-CASH ACCT BLDG 12E 1200 N TELEGRAPH RD PONTIAC, MI 48341 United States of America

Remit To:
Macomb County Public Works Attn: Accounts Receivable 21777 Dunham Rd Clinton TWP, MI 48036 United States of America (586) 469-5325

Page 1 of 1

Purchase Order Number	From Date	To Date	Customer ID
	07/01/2024	09/30/2024	C000024
Quantity	Item Description	Price Each	Amount
1	OMID Personnel Reimbursement 07/1/2024-09/30/2024	10,368.35	10,368.35
1	SCADA Maintenance 07/1/2024-09/30/2024	12,328.92	12,328.92
1	OMID Utility Reimbursement 07/1/2024-09/30/2024	3,167.42	3,167.42

Net Amount:	25,864.69
Tax	0.00
Total Invoice Amount	USD 25,864.69

OMID 7/1/24-9/30/24

COMCAST	8529 10 112 0329082	7/1-7/31	\$27.11
COMCAST	8529 10 112 0329082	8/1-8/30	\$24.64
COMCAST	8529 10 112 0329082	9/1-9/30	\$26.45
COMCAST	8529 10 113 0127831	7/1-7/31	\$18.89
COMCAST	8529 10 113 0127831	8/1-8/30	\$18.89
COMCAST	8529 10 113 0127831	9/1-9/30	\$18.89
COMCAST	8529 10 199 1516981	7/19-8/18	\$247.59
COMCAST	8529 10 199 1516981	8/19-9/18	\$237.76
COMCAST	8529 10 199 1516981	9/19-10/18	\$237.76
COMCAST	8529 10 077 0837261	6/17-7/16	\$20.58
COMCAST	8529 10 077 0837261	7/17-8/16	\$20.58
COMCAST	8529 10 077 0837261	8/17-9/16	\$19.90
COMCAST	8529 10 077 0837261	9/17-10/16	\$19.90
COMCAST	8529 10 077 0830852	7/9-8/8	\$12.10
COMCAST	8529 10 077 0830852	8/9-9/8	\$11.40
COMCAST	8529 10 077 0830852	9/9-10/8	\$11.40
COMCAST	8529 10 076 1516528	6/30-7/29	\$177.90
COMCAST	8529 10 076 1516528	7/30-8/29	\$167.90
COMCAST	8529 10 076 1516528	8/30-9/29	\$167.90

COMCAST TOTAL**\$1,487.54**

Verizon	6/24-7/23	\$392.06
Verizon	7/24-8/23	\$430.76
Verizon	8/24-9/23	\$429.06
Verizon	9/24-10/23	\$428.00

VERIZON TOTAL**\$1,679.88**

Macomb County	Personnel	7/1-9/30	\$9,500.06
Macomb County	Equipment Use	7/1-9/30	\$868.29
People Driven Technology	INV13524	7/31/2024	\$11.31
People Driven Technology	INV13901	8/16/2024	\$58.87
People Driven Technology	INV14283	8/30/2024	\$1,360.80
CDW Government		9/30/2024	\$373.79
MCET		8/28/2024	\$142.50
MCET		8/29/2024	\$13.30

VENDORS**\$12,328.92****TOTAL DUE FROM OMID****\$15,496.34**

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -								10/19/2024	-	11/29/2024
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project		Activity
1287147	10/23/2024	10/11/2024	BROWN, JOEL	1.00	\$145.80	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	10/23/2024	10/14/2024	BROWN, JOEL	2.00	\$291.60	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	10/23/2024	10/16/2024	BROWN, JOEL	3.00	\$437.40	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	10/23/2024	10/17/2024	BROWN, JOEL	2.00	\$291.60	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/6/2024	10/21/2024	BROWN, JOEL	1.00	\$145.80	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/6/2024	10/24/2024	BROWN, JOEL	4.00	\$583.20	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/6/2024	10/28/2024	BROWN, JOEL	1.00	\$145.80	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/6/2024	10/29/2024	BROWN, JOEL	4.00	\$583.20	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/6/2024	10/31/2024	BROWN, JOEL	2.50	\$364.50	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/6/2024	11/1/2024	BROWN, JOEL	2.00	\$291.60	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/21/2024	11/6/2024	BROWN, JOEL	5.00	\$729.00	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/21/2024	11/7/2024	BROWN, JOEL	2.00	\$291.60	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/21/2024	11/8/2024	BROWN, JOEL	2.50	\$364.50	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/21/2024	11/12/2024	BROWN, JOEL	2.50	\$364.50	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/21/2024	11/13/2024	BROWN, JOEL	0.50	\$72.90	REGULAR	WRCCON	PRJ-13309		ENGINEERING
1287147	11/21/2024	11/14/2024	BROWN, JOEL	4.00	\$583.20	REGULAR	WRCCON	PRJ-13309		ENGINEERING
			BROWN, JOEL Total		\$5,686.20					
1050210	10/29/2024	10/21/2024	POUSHO, ROBERT	8.00	\$463.84	REGULAR	WRCCON	PRJ-13309		INSPECTION
1050210	11/8/2024	10/21/2024	POUSHO, ROBERT	-8.00	\$-463.84	REGULAR-D	WRCCON	PRJ-13309		INSPECTION
1050210	10/29/2024	10/22/2024	POUSHO, ROBERT	9.00	\$521.82	REGULAR	WRCCON	PRJ-13309		INSPECTION
1050210	11/8/2024	10/22/2024	POUSHO, ROBERT	-9.00	\$-521.82	REGULAR-D	WRCCON	PRJ-13309		INSPECTION
1050210	10/29/2024	10/23/2024	POUSHO, ROBERT	10.00	\$579.80	REGULAR	WRCCON	PRJ-13309		INSPECTION
1050210	11/8/2024	10/23/2024	POUSHO, ROBERT	-10.00	\$-579.80	REGULAR-D	WRCCON	PRJ-13309		INSPECTION
1050210	10/29/2024	10/24/2024	POUSHO, ROBERT	8.00	\$463.84	REGULAR	WRCCON	PRJ-13309		INSPECTION
1050210	10/29/2024	10/29/2024	POUSHO, ROBERT	8.00	\$463.84	REGULAR	WRCCON	PRJ-13309		INSPECTION
1050210	10/29/2024	10/31/2024	POUSHO, ROBERT	8.00	\$463.84	REGULAR	WRCCON	PRJ-13309		INSPECTION
			POUSHO, ROBERT Total		\$1,391.52					
1131289	10/23/2024	10/7/2024	PUSCAS, JACK J	1.00	\$93.86	REGULAR	WRCADM	PRJ-13309		ENGINEERING
1131289	10/23/2024	10/10/2024	PUSCAS, JACK J	2.50	\$234.65	REGULAR	WRCADM	PRJ-13309		ENGINEERING
1131289	10/23/2024	10/14/2024	PUSCAS, JACK J	2.00	\$187.72	REGULAR	WRCADM	PRJ-13309		ENGINEERING
1131289	10/23/2024	10/14/2024	PUSCAS, JACK J	0.50	\$52.71	OVERTIME	WRCADM	PRJ-13309		ENGINEERING
1131289	11/6/2024	10/21/2024	PUSCAS, JACK J	3.00	\$281.58	REGULAR	WRCADM	PRJ-13309		ENGINEERING
1131289	11/6/2024	10/28/2024	PUSCAS, JACK J	1.00	\$93.86	REGULAR	WRCADM	PRJ-13309		ENGINEERING
1131289	11/20/2024	11/4/2024	PUSCAS, JACK J	2.00	\$187.72	REGULAR	WRCADM	PRJ-13309		ENGINEERING
1131289	11/20/2024	11/4/2024	PUSCAS, JACK J	0.50	\$52.71	OVERTIME	WRCADM	PRJ-13309		ENGINEERING
1131289	11/20/2024	11/7/2024	PUSCAS, JACK J	1.00	\$93.86	REGULAR	WRCADM	PRJ-13309		ENGINEERING
1131289	11/20/2024	11/12/2024	PUSCAS, JACK J	1.00	\$93.86	REGULAR	WRCADM	PRJ-13309		ENGINEERING
			PUSCAS, JACK J Total		\$1,372.53					
1255122	11/6/2024	10/23/2024	ROBERTOY, KATY	2.00	\$124.28	REGULAR	WRCCON	PRJ-13309		ADMINISTRATION
1255122	11/6/2024	10/31/2024	ROBERTOY, KATY	4.00	\$248.56	REGULAR	WRCCON	PRJ-13309		ADMINISTRATION
1255122	11/12/2024	11/8/2024	ROBERTOY, KATY	4.00	\$248.56	REGULAR	WRCCON	PRJ-13309		ADMINISTRATION
			ROBERTOY, KATY Total		\$621.40					
			Grand Total		\$9,071.65					

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -								10/19/2024	- 11/29/2024
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1287147	10/23/2024	10/11/2024	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/11/2024	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/11/2024	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/14/2024	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/14/2024	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/14/2024	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/16/2024	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/16/2024	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/16/2024	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/17/2024	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/17/2024	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	10/23/2024	10/17/2024	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/21/2024	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/21/2024	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/21/2024	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/24/2024	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/24/2024	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/24/2024	BROWN, JOEL	4.00	\$1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/28/2024	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/28/2024	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/28/2024	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/29/2024	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/29/2024	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/29/2024	BROWN, JOEL	4.00	\$1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/31/2024	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/31/2024	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/6/2024	10/31/2024	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/6/2024	11/1/2024	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/6/2024	11/1/2024	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/6/2024	11/1/2024	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/6/2024	BROWN, JOEL	5.00	\$2.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/6/2024	BROWN, JOEL	5.00	\$11.70	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/6/2024	BROWN, JOEL	5.00	\$1.25	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/7/2024	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/7/2024	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/7/2024	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/8/2024	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/8/2024	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/8/2024	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/12/2024	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/12/2024	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/12/2024	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/13/2024	BROWN, JOEL	0.50	\$0.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/13/2024	BROWN, JOEL	0.50	\$1.17	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/13/2024	BROWN, JOEL	0.50	\$0.13	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/14/2024	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/14/2024	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1287147	11/21/2024	11/14/2024	BROWN, JOEL	4.00	\$1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ENGINEERING
			BROWN, JOEL Total		\$116.63				
1050210	10/29/2024	10/21/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	11/8/2024	10/21/2024	POUSHO, ROBERT	-8.00	\$-3.20	ASSIGNED-D	Cell Phone	PRJ-13309	INSPECTION
1050210	10/29/2024	10/21/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	11/8/2024	10/21/2024	POUSHO, ROBERT	-8.00	\$-18.72	ASSIGNED-D	PC/Computer	PRJ-13309	INSPECTION
1050210	10/29/2024	10/22/2024	POUSHO, ROBERT	9.00	\$3.60	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	11/8/2024	10/22/2024	POUSHO, ROBERT	-9.00	\$-3.60	ASSIGNED-D	Cell Phone	PRJ-13309	INSPECTION
1050210	10/29/2024	10/22/2024	POUSHO, ROBERT	9.00	\$21.06	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	11/8/2024	10/22/2024	POUSHO, ROBERT	-9.00	\$-21.06	ASSIGNED-D	PC/Computer	PRJ-13309	INSPECTION
1050210	10/29/2024	10/23/2024	POUSHO, ROBERT	10.00	\$4.00	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	11/8/2024	10/23/2024	POUSHO, ROBERT	-10.00	\$-4.00	ASSIGNED-D	Cell Phone	PRJ-13309	INSPECTION
1050210	10/29/2024	10/23/2024	POUSHO, ROBERT	10.00	\$23.40	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	11/8/2024	10/23/2024	POUSHO, ROBERT	-10.00	\$-23.40	ASSIGNED-D	PC/Computer	PRJ-13309	INSPECTION
1050210	10/29/2024	10/24/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/29/2024	10/24/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/29/2024	10/29/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/29/2024	10/29/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
1050210	10/29/2024	10/31/2024	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	PRJ-13309	INSPECTION
1050210	10/29/2024	10/31/2024	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	PRJ-13309	INSPECTION
			POUSHO, ROBERT Total		\$65.76				
1131289	10/23/2024	10/7/2024	PUSCAS, JACK J	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	10/23/2024	10/7/2024	PUSCAS, JACK J	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	10/23/2024	10/10/2024	PUSCAS, JACK J	2.50	\$1.00	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING

1131289	10/23/2024	10/10/2024	PUSCAS, JACK J	2.50	\$5.85	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	10/23/2024	10/14/2024	PUSCAS, JACK J	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	10/23/2024	10/14/2024	PUSCAS, JACK J	0.50	\$0.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	10/23/2024	10/14/2024	PUSCAS, JACK J	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	10/23/2024	10/14/2024	PUSCAS, JACK J	0.50	\$1.17	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/6/2024	10/21/2024	PUSCAS, JACK J	3.00	\$1.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/6/2024	10/21/2024	PUSCAS, JACK J	3.00	\$7.02	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/6/2024	10/28/2024	PUSCAS, JACK J	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/6/2024	10/28/2024	PUSCAS, JACK J	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/20/2024	11/4/2024	PUSCAS, JACK J	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/20/2024	11/4/2024	PUSCAS, JACK J	0.50	\$0.20	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/20/2024	11/4/2024	PUSCAS, JACK J	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/20/2024	11/4/2024	PUSCAS, JACK J	0.50	\$1.17	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/20/2024	11/7/2024	PUSCAS, JACK J	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/20/2024	11/7/2024	PUSCAS, JACK J	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
1131289	11/20/2024	11/12/2024	PUSCAS, JACK J	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13309	ENGINEERING
1131289	11/20/2024	11/12/2024	PUSCAS, JACK J	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13309	ENGINEERING
			PUSCAS, JACK J Total		\$39.73				
1255122	11/6/2024	10/23/2024	ROBERTOY, KATY	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13309	ADMINISTRATION
1255122	11/6/2024	10/23/2024	ROBERTOY, KATY	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13309	ADMINISTRATION
1255122	11/6/2024	10/23/2024	ROBERTOY, KATY	2.00	\$0.50	ASSIGNED	Tablet/iPad	PRJ-13309	ADMINISTRATION
1255122	11/6/2024	10/31/2024	ROBERTOY, KATY	4.00	\$1.60	ASSIGNED	Cell Phone	PRJ-13309	ADMINISTRATION
1255122	11/6/2024	10/31/2024	ROBERTOY, KATY	4.00	\$9.36	ASSIGNED	PC/Computer	PRJ-13309	ADMINISTRATION
1255122	11/6/2024	10/31/2024	ROBERTOY, KATY	4.00	\$1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ADMINISTRATION
1255122	11/12/2024	11/8/2024	ROBERTOY, KATY	4.00	\$1.60	ASSIGNED	Cell Phone	PRJ-13309	ADMINISTRATION
1255122	11/12/2024	11/8/2024	ROBERTOY, KATY	4.00	\$9.36	ASSIGNED	PC/Computer	PRJ-13309	ADMINISTRATION
1255122	11/12/2024	11/8/2024	ROBERTOY, KATY	4.00	\$1.00	ASSIGNED	Tablet/iPad	PRJ-13309	ADMINISTRATION
			ROBERTOY, KATY Total		\$29.90				
			Grand Total		\$252.02				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -							10/19/2024	-	11/29/2024
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
1208707	10/22/2024	10/18/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	10/22/2024	10/15/2024	COOK, JENNIFER	3.00	\$379.23	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	10/22/2024	10/14/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/7/2024	11/1/2024	COOK, JENNIFER	2.00	\$252.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/7/2024	10/25/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/7/2024	10/24/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/7/2024	10/22/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/7/2024	10/21/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/7/2024	10/31/2024	COOK, JENNIFER	2.00	\$252.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/7/2024	10/29/2024	COOK, JENNIFER	2.00	\$252.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/2024	11/8/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/2024	11/7/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/2024	11/6/2024	COOK, JENNIFER	2.00	\$252.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/2024	11/13/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/2024	11/12/2024	COOK, JENNIFER	1.00	\$126.41	REGULAR	WRCADM	PRJ-13308	ENGINEERING
1208707	11/21/2024	11/15/2024	COOK, JENNIFER	2.00	\$252.82	REGULAR	WRCADM	PRJ-13308	ENGINEERING
			COOK, JENNIFER Total		\$2,907.43				
1094815	11/6/2024	10/29/2024	BROWN, JOEL	0.50	\$72.90	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	11/6/2024	11/1/2024	BROWN, JOEL	1.50	\$218.70	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	11/6/2024	10/22/2024	BROWN, JOEL	0.50	\$72.90	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/23/2024	10/14/2024	BROWN, JOEL	1.00	\$145.80	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/23/2024	10/18/2024	BROWN, JOEL	2.00	\$291.60	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	10/23/2024	10/14/2024	BROWN, JOEL	1.00	\$145.80	REGULAR	WRCCON	PRJ-13308	ENGINEERING
1094815	11/21/2024	11/15/2024	BROWN, JOEL	2.50	\$364.50	REGULAR	WRCCON	PRJ-13308	ENGINEERING
			BROWN, JOEL Total		\$1,312.20				
			Grand Total		\$4,219.63				

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -								10/19/2024	-	11/29/2024
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project		Activity
1094815	10/23/2024	10/14/2024	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1094815	10/23/2024	10/14/2024	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1094815	10/23/2024	10/14/2024	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1094815	10/23/2024	10/14/2024	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1094815	10/23/2024	10/14/2024	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	PRJ-13308		ENGINEERING
1094815	10/23/2024	10/14/2024	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	PRJ-13308		ENGINEERING
1094815	10/23/2024	10/18/2024	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1094815	10/23/2024	10/18/2024	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1094815	10/23/2024	10/18/2024	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	PRJ-13308		ENGINEERING
1094815	11/6/2024	10/22/2024	BROWN, JOEL	0.50	\$0.20	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1094815	11/6/2024	10/22/2024	BROWN, JOEL	0.50	\$1.17	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1094815	11/6/2024	10/22/2024	BROWN, JOEL	0.50	\$0.13	ASSIGNED	Tablet/iPad	PRJ-13308		ENGINEERING
1094815	11/6/2024	10/29/2024	BROWN, JOEL	0.50	\$0.20	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1094815	11/6/2024	10/29/2024	BROWN, JOEL	0.50	\$1.17	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1094815	11/6/2024	10/29/2024	BROWN, JOEL	0.50	\$0.13	ASSIGNED	Tablet/iPad	PRJ-13308		ENGINEERING
1094815	11/6/2024	11/1/2024	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1094815	11/6/2024	11/1/2024	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1094815	11/6/2024	11/1/2024	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	PRJ-13308		ENGINEERING
1094815	11/21/2024	11/15/2024	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1094815	11/21/2024	11/15/2024	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1094815	11/21/2024	11/15/2024	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	PRJ-13308		ENGINEERING
			BROWN, JOEL Total		\$26.93					
1208707	10/22/2024	10/14/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	10/22/2024	10/14/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	10/22/2024	10/15/2024	COOK, JENNIFER	3.00	\$1.20	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	10/22/2024	10/15/2024	COOK, JENNIFER	3.00	\$7.02	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	10/22/2024	10/18/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	10/22/2024	10/18/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/21/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/21/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/22/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/22/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/24/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/24/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/25/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/25/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/29/2024	COOK, JENNIFER	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/29/2024	COOK, JENNIFER	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/31/2024	COOK, JENNIFER	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/7/2024	10/31/2024	COOK, JENNIFER	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/7/2024	11/1/2024	COOK, JENNIFER	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/7/2024	11/1/2024	COOK, JENNIFER	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/6/2024	COOK, JENNIFER	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/6/2024	COOK, JENNIFER	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/7/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/7/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/8/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/8/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/12/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/12/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/13/2024	COOK, JENNIFER	1.00	\$0.40	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/13/2024	COOK, JENNIFER	1.00	\$2.34	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/15/2024	COOK, JENNIFER	2.00	\$0.80	ASSIGNED	Cell Phone	PRJ-13308		ENGINEERING
1208707	11/21/2024	11/15/2024	COOK, JENNIFER	2.00	\$4.68	ASSIGNED	PC/Computer	PRJ-13308		ENGINEERING
			COOK, JENNIFER Total		\$63.02					
			Grand Total		\$89.95					



A handwritten signature in black ink, appearing to read 'Jed A.'.

12/12/2024

84917-6010101-149015-
731073-1-3309
-LEGAL - Ch. 21 -
CON9318

Oakland County Water Resources Commissioner, MI
One Public Works Drive
Waterford, MI 48328-1907
WRClegalinvoices@oakgov.com
lajdziaks@oakgov.com

Invoice: 1511484
Date: 12/03/2024
Client: 30164
Matter: 463149

Matter Name: Construction Dispute - Walsh Construction

LEGAL SERVICES RENDERED AND COSTS ADVANCED THROUGH NOVEMBER 30, 2024

Total Fees:	\$	14,280.00
Total Due This Invoice:	\$	14,280.00

MK 12/4/24



1235 Holden Ave
Milford Charter Twp, MI 48381
(248) 302-2078

Bill To

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

Invoice 4157

Nov 5, 2024

Job Number	2600
PO Number	01271
Payment Terms	AIA 45

Total Due

\$15,695.66

Due Date

Dec 20, 2024

**82912-6010101-149090-730660-8637 - Ch.
21 - v #15750 - li #44348**

12/12/2024

CUSTOMER NAME
OMIDD

PROPERTY NAME
OMIDD - Detroit NESPS- 11001

PROPERTY ADDRESS
11001 E State Fair Ave
Detroit, MI 48234

AUTHORIZED BY
Terry Moore

CUSTOMER WO

NTE

Invoice Summary

Scope of Work:

1. Replace the entire manifold system, currently made of copper piping, with 316 stainless steel piping.
2. Replace all sensors and valves with new ones.
3. Remove the copper piping on the dewatering pump and replace it with 316 stainless steel piping.
4. Extend the 1" stainless steel pipe down to the pump and install a 1" stainless steel ball valve at the stainless steel to copper transition.
5. Adapt the 1" stainless steel pipe to 3/4" stainless steel at the bottom of the run and install the supplied 12" stainless steel flex pipe from Grainger to the pump.
6. Develop a take-off of 3/4" 316 stainless steel fittings and piping upon initial entry.

Resolution:

1. Replaced the mixed copper and steel manifold with a new stainless-steel manifold that was built in the shop. Isolated the line, demolished the old manifold, and replaced it with the new one. Ran 20ft of stainless-steel pipe down to the 6th floor. Installed a stainless-steel union to a brass male adapter for a dielectric connection.
2. Demoed old copper and ran stainless steel pipe to pump. Turned on water and tested for leaks.

Labor

\$8,330.00

Parts & Materials

\$7,365.66

Subtotal	\$15,695.66
Total	\$15,695.66
Amount Paid	\$0.00
Balance	\$15,695.66

TM-12-1-24

INVOICE



Jacobs Consultants, Inc.

Oakland-Macomb Interceptor Drain Drainage District
 c/o Oakland County Water Resources Commissioner's Office
 One Public Works Drive
 Building 95 West
 Waterford, Michigan 48328

Invoice No.: C6A19900-19
 Invoice Date: 11/27/2024
 Jacobs Project No.: C6A19900
 Services From: 10/26/2024
 Services Through: 11/22/2024

82912-149667-730639-1-17059-ENGCONSULT

12/12/2024

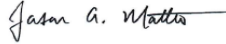
Attn.: Ms. Jen Cook, P.E.

Project Description: Odor and Corrosion Control Systems within the OMID

Task Number	Task Description	Task Budget	Previously Invoiced	Current Invoice	Project to Date	Remaining Budget
1	Additional Investigation/Modeling	\$226,151.90	\$226,489.81	\$0.00	\$226,489.81	(\$337.91)
2	Basis of Design	\$122,605.02	\$122,303.64	\$0.00	\$122,303.64	\$301.38
3	ST-S-3 Vapor-Phase Treatment System - Subtask 3.1 - Design	\$276,371.00	\$276,367.83	\$0.00	\$276,367.83	\$3.17
	ST-S-3 Vapor-Phase Treatment System - Subtask 3.2 - Bidding	\$17,154.74	\$17,150.52	\$0.00	\$17,150.52	\$4.22
4	CS-6 Pump Station Vapor-Phase System - Subtask 4.1 - Design	\$191,218.29	\$96,755.18	\$0.00	\$96,755.18	\$94,463.11
	CS-6 Pump Station - Vapor-Phase System Subtask 4.2 - Bidding	\$15,612.91	\$15,604.83	\$0.00	\$15,604.83	\$8.08
5	CS-8 and ST-S-1 Local Odor Control - Subtask 5.1 - Design	\$80,199.91	\$80,194.04	\$0.00	\$80,194.04	\$5.87
	CS-8 and ST-S-1 Local Odor Control - Subtask 5.2 - Bidding	\$12,829.09	\$12,784.70	\$0.00	\$12,784.70	\$44.38
6	Design Emergency Relief Valves for CS-9 High Pressures	\$21,081.00	\$21,071.61	\$0.00	\$21,071.61	\$9.39
7	Construction Ventilation Coordination	\$11,194.00	\$11,117.15	\$0.00	\$11,117.15	\$76.85
8	OMIDDD Progress Meeting Correction	\$32,868.00	\$32,865.66	\$0.00	\$32,865.66	\$2.34
9	Monthly Design Coordination Meetings Correction	\$46,767.00	\$46,735.41	\$0.00	\$46,735.41	\$31.59
10	Construction Administration	\$860,372.00	\$35,276.29	\$45,471.06	\$80,747.35	\$779,624.65
11	Resident Project Engineer	\$170,948.00	\$0.00	\$0.00	\$0.00	\$170,948.00
12	Post-Construction Services	\$144,988.00	\$0.00	\$0.00	\$0.00	\$144,988.00
10a	Reimbursement of Permitting Fees	\$11,943.00	\$11,673.12	\$0.00	\$11,673.12	\$269.88
13	Review Existing Available Information	\$4,425.00	\$4,064.24	\$359.60	\$4,423.84	\$1.16
14	Conduct Site Investigation at CS-9 and Adjacent Neighborhood	\$13,450.00	\$11,426.86	\$2,022.58	\$13,449.44	\$0.56
15	Collect Additional OMID H2S and Air Pressure Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	Determine Approximate Sizing and Prepare Conceptual Layout at CS-9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	Collect Additional OMID CS-5 and CS-9 H2S and Air Pressure Data	\$24,884.00	\$0.00	\$0.00	\$0.00	\$24,884.00
18	Conduct Site Investigation and Collect Additional H2S and Air Pressure Data within the NI-EA Near Meldrum and Mt. Elliott	\$22,857.00	\$0.00	\$0.00	\$0.00	\$22,857.00
19	Confirm NESPS Biotrickling Filter Zone of Influence	\$22,998.00	\$0.00	\$0.00	\$0.00	\$22,998.00
20	Verify Sizing and Prepare Plan Sketch of Active Odor/Corrosion Control System near CS-6 Site	\$19,244.00	\$0.00	\$0.00	\$0.00	\$19,244.00
Total		\$2,350,161.86	\$1,021,880.89	\$47,853.24	\$1,069,734.13	\$1,280,427.72

Previously Invoiced: \$1,021,880.89
 Total Due This Invoice: \$47,853.24
 Total Invoiced To Date: \$1,069,734.13
 Total Budget: \$2,350,161.86
 Remaining Budget: \$1,280,427.72

Outstanding Invoices					
Date	Invoice No.	Invoiced Amount	Paid Date	Paid Amount	Amount Outstanding
8/14/2024	C6A19900-17	\$27,778.33		\$0.00	\$27,778.33
10/24/2024	C6A19900-18	\$13,827.81		\$0.00	\$13,827.81

Signed: 
 Jason A. Matteo, P.E.
 Senior Project Manager

Please remit payment electronically to:
 Beneficiary Bank: Bank of America
 Account Name: Jacobs Consultants, Inc.
 Transit for ACH: 111000012
 Transit for Wires: 026009593
 Account No.: 4451457732



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

WO#1286

INVOICE		
DATE	NUMBER	PAGE
10/4/2024	643739	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

82912-6010101-149090-730660-5825-
Ch. 21 - v#239- exp 6/30/25

John Moore

12/12/2024

ATTENTION:

TERRY MOORE 313-8297207 TMOORE@METCOSERVICES.COM

CUSTOMER REF/PO #		JOB #	JOB TITLE	SLP	SHIPPING TYPE	TERMS
5825		0118330	GREAT LAKES WATER AUTHORITY, NORTHEAST PUMPING STATION, MONTHLY, PREVENTATIVE MAINTENANCE	SAH/PM	FIELD SERVICE	NET 60
QUANTITY		PART NO.	DESCRIPTION		UNIT PRICE	EXTENDED
B/O	Ship					

0.00	1.00	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (1) FIELD SERVICE TECHNICIAN(S) ONSITE ON 9/26/24. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$626.50	\$626.50
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TOTAL REFLECTS THE BELOW:

(3.5) HOURS OF LABOR X \$146.00 = \$511.00

MILEAGE: \$66.00

FUEL SURCHARGE:\$49.50

TM-12-1-24

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

This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions (Rev'd 5/2023) 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

***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:	\$626.50
TAX:	\$0.00
TOTAL:	\$626.50



729 Meldrum, Detroit, MI 48207
Phone: (313) 568-1600 Fax: (313) 568-0488

Pay invoices online at www.lardnerelevator.com

WO#1317

INVOICE

203075

Bill To:

██████████

Oakland Macomb Interceptor Drain Drainage District
1 Public Works Drive
dbgreen@metcoservices.com
tmoore@metcoservices.com
Waterford, MI 48328

Account:

Northeast Pump Station
11001 E. State Fair
Detroit, MI 48234

Account #:

00-6642-2

Joel An

12/12/2024

82912-6010101-149090-730660-Ch. 21

Oct 01, 2024	Upon Receipt	Detroit Route	4746
203075		LECO	Maintenance

QTY	DESCRIPTION	UNIT	PRICE	TOTAL	
1.00	Elevator Maintenance Service for October, 2024	No	Each	204.00	\$204.00
Elevator Maintenance Service for October, 2024					
TM-12-1-24					\$0.00
					\$204.00
					\$204.00
					\$0.00
					\$204.00

Page 1

Rev. 02/16/2024

PLEASE DETACH THIS PORTION AND RETURN WITH PAYMENT



Lardner Elevator Company
729 Meldrum
Detroit, MI 48207

Account #

00-6642-2
Northeast Pump Station

Invoice #

203075

Amount

\$ 204.00

Paid

\$



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

INVOICE NO. 1811-71

DATE: December 3, 2024

METCO PROJECT NO. 1811

INVOICE PERIOD: 11/3 through 12/1/2024

Contract ID 000000000000000000005517

Vendor ID 000020486

TO: OMIDD

Water Resources Commissioner

One Public Works Drive

Waterford, MI 48328

Attn: Joel Brown, P.E.

Chief Engineer-Construction Projects Unit

TITLE: OMID & NESPS Operation and Maintenance

Operational Plan

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

12/12/2024

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 225.75	\$ -
Terry Moore	Operations Manager	22.0	\$ 162.00	\$ 3,564.00
Terry Moore	Operations Manager (Overti	0.0	\$ 204.75	\$ -
Darrin Green	Staff Engineer	32.0	\$ 102.00	\$ 3,264.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 153.00	\$ -
Anthony Vozza	Staff Engineer	72.0	\$ 102.00	\$ 7,344.00
Anthony Vozza	Staff Engineer-(Overtime)	2.0	\$ 153.00	\$ 306.00
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal OMID Operatons:			\$	14,478.00

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

12/12/2024

Name	Title	Hrs.	Rate/Hr.	Amount
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 225.75	\$ 1,806.00
Terry Moore	Operations Manager	22.0	\$ 162.00	\$ 3,564.00
Terry Moore	Operations Manager (Overti	12.0	\$ 204.75	\$ 2,457.00
Darrin Green	Staff Engineer	32.0	\$ 102.00	\$ 3,264.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 153.00	\$ -
Anthony Vozza	Staff Engineer	0.0	\$ 102.00	\$ -
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 153.00	\$ -
Rosana Santos	Administrative Assoc.	4.0	\$ 77.48	\$ 309.92
Subtotal NEPS Operations			\$	11,400.92

Subtotal Operations \$ 25,878.92

Maintenance & Asset Management

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

12/12/2024

Name	Title	Hrs.	Rate/Hr.	Amount
Terry Moore	Operations Manager	22.0	\$ 162.00	\$ 3,564.00
Terry Moore	Operations Manager (Overti	0.0	\$ 204.75	\$ -
Daniel Martel	Sr. Project Coordinator	0.0	\$ 152.25	\$ -
Shailesh Patel	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Anthony Vozza	Staff Engineer	0.0	\$ 102.00	\$ -
Anthony Vozza	Staff Engineer-(Overtime)	0.0	\$ 153.00	\$ -
Darrin Green	Staff Engineer	0.0	\$ 102.00	\$ -
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 153.00	\$ -
Sweta Soni	Designer/Drafter	0.0	\$ 101.00	\$ -
Youstina Gaid	Drafter	0.0	\$ 101.00	\$ -
Subtotal OMID Maintenance:			\$	3,564.00

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

12/12/2024

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	8.0	\$ 225.75	\$ 1,806.00
Terry Moore	Operations Manager	22.0	\$ 162.00	\$ 3,564.00
Terry Moore	Operations Manager (Overti	2.0	\$ 204.75	\$ 409.50
Daniel Martel	Sr. Project Coordinator	16.0	\$ 152.25	\$ 2,436.00
Sean Grant	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Travis Ford	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Shailesh Patel	Sr. Project Engineer	0.0	\$ 152.25	\$ -
Darrin Green	Staff Engineer	64.0	\$ 102.00	\$ 6,528.00
Darrin Green	Staff Engineer-(Overtime)	17.0	\$ 153.00	\$ 2,601.00
Anthony Vozza	Staff Engineer	72.0	\$ 102.00	\$ 7,344.00
Anthony Vozza	Staff Engineer-(Overtime)	7.0	\$ 153.00	\$ 1,071.00
Abhishek Shah	Staff Engineer	0.0	\$ 102.00	\$ -
Sweta Soni	Designer/Drafter	0.0	\$ 105.50	\$ -
Keli Mills	Administrative Assoc.	0.0	\$ 77.48	\$ -
Subtotal:				\$ 25,759.50
Maintenance Services (see attached invoices):				\$ 62.12
Subtotal NEPS Maintenance:				\$ 25,821.62

Subtotal Maintenance: \$ 29,385.62**NEXGEN Asset Management Implementation Services – Fund 82912, Program 149090, Account 730646**

12/12/2024

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 225.75	\$ -
Terry Moore	Operations Manager	0.0	\$ 162.00	\$ -
Terry Moore	Operations Manager (Overti	0.0	\$ 204.75	\$ -
Sean Grant	Sr. Project Engineer	16.0	\$ 152.25	\$ 2,436.00
Darrin Green	Staff Engineer	0.0	\$ 102.00	\$ -
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 153.00	\$ -
Anthony Vozza	Staff Engineer	0.0	\$ 102.00	\$ -
Abhishek Shah	Staff Engineer	117.0	\$ 102.00	\$ 11,934.00
Brandon Brochue	Designer/Drafter	0.0	\$ 101.00	\$ -

Subtotal Maintenance: \$ 14,370.00**TOTAL AMOUNT DUE THIS INVOICE: \$ 69,634.54**



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
925567	0	001	10/24/2024	10/29/2024	96049

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MISC. T&M SCADA	\$262.50	-	\$262.50	\$262.50	-	-
Totals:		\$262.50		\$262.50	\$262.50		
Less Retained:				-			
Invoice Total:				\$262.50			

AS NEEDED ELECTRICAL AND ENGINEERING SUPPORT

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

82912-6010101-149090-730660-8419- CH. 21- v#7755-li#41132

Joel Brown

12/12/2024

WORK PERFORMED 10/24/2024

TM-12-5-12

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

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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
924048	0	001	11/11/2024	11/11/2024	96086

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	OMIDD CP-4 PLC PANEL REPLACEMENT	\$148,434.00	-	\$120,000.00	\$120,000.00	\$28,434.00	-
Totals:		\$148,434.00		\$120,000.00	\$120,000.00		
Less Retained:				-			
Invoice Total:				\$120,000.00			

AS NEEDED ELECTRICAL AND ENGINEERING SUPPORT

82912-6010101-149130-730660-8419-Ch. 21 - v#7755-li#41132

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

12/12/2024

MCET PROPOSAL 24-0597R1

TM-12-1-24

complete electrical construction

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



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

**84918-149015-730639-
PRJ17408-1ENG_CONSULT-WDDCCON8173**

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

Invoice # : 637766
Project : 23001693
Invoice Group : **
Invoice Date : 12/2/2024

Attention: Jen Cook, P.E.

For Professional Services Rendered from 10/26/2024 - 11/22/2024

Provide Engineering and Consulting Services regarding OMID PCI-18 and PCI-19 Rehabilitation Project CCA; D-458 & D-463

Task 01	Contract 2 CCA Services	\$1,907,063.00
	Preliminary Budget Amount	\$1,907,063.00
	Percent Complete:	66.85%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		10,650.53	\$ 249,690.42
Overhead %	188.00	20,023.00	469,417.98
Total Regular Labor Expense		30,673.53	719,108.40
Total Direct Labor		30,673.53	719,108.40
Profit / Fixed Fee %	12.00	3,680.82	86,293.01
Direct Expenses Charge		319.05	41,196.88
Expense Multiplier %	5.00	15.95	2,059.80
Direct Subcontractor Charge		20,076.22	402,027.70
Subcontractor/Subconsultant Multiplier %	6.00	1,204.58	24,121.70
Total Other Direct Charges Reimbursables		21,615.80	469,406.08
Total Costs:		55,970.14	1,274,807.50
Total Due This Invoice		\$ 55,970.15	\$ 1,274,807.50

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



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

**84918-149015-730639-
PRJ17408-1ENG_CONSULT-WDDCCON8173**

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

12/12/2024

Invoice # : 637766
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Total Costs:		55,970.14	1,274,807.50
Total Due This Invoice		\$ 55,970.15	\$ 1,274,807.50



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

**849174-6010101-149015-731458-8173-1-3309-CH.
21 - v#4716-li#24138**

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

Invoice # : 637767
Project : 61-200280
Invoice Group : CMT
Invoice Date : 12/2/2024

Attention: Joel Brown, P.E.

For Professional Services Rendered from 10/26/2024 - 11/22/2024

Provide Engineering and Consulting Services regarding NESPS Pumping and Electrical System Upgrade (D-421) & (D-462)

Task 01	CMT Services	\$189,674.00
Task 02	Tnemec Coating Observation	-
	Preliminary Budget Amount	\$189,674.00
	Percent Complete:	99.82%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	1,978.76	\$ 48,564.69
Overhead %	188.00	3,720.07	91,301.60
Total Regular Labor Expense		5,698.83	139,866.29
Total Direct Labor		5,698.83	139,866.29
Profit / Fixed Fee %	12.00	683.86	16,783.96
Direct Expenses Charge		579.31	25,769.27
Expense Multiplier %	5.00	28.97	1,288.46
Direct Subcontractor Charge		0.00	5,302.50
Subcontractor/Subconsultant Multiplier %	6.00	0.00	318.15
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		608.28	32,678.38
Total Costs:		6,990.97	189,328.63
Total Due This Invoice	\$	6,990.97	\$ 189,328.63



NTH Consultants, Ltd.
Infrastructure Engineering
and Environmental Services

**849174-6010101-149015-731458-8173-1-3309-CH.
21 - v#4716-li#24138**

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

Invoice # : 637767

Project : 61-200280

Invoice Group : CMT

Invoice Date : 12/2/2024

Attention: Joel Brown, P.E.

12/12/2024

For Professional Services Rendered from 10/26/2024 - 11/22/2024

Provide Engineering and Consulting Services regarding NESPS Pumping and Electrical System Upgrade (D-421) & (D-462)

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Task 02	Tnemec Coating Observation	-
	Preliminary Budget Amount	\$189,674.00
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Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 1,978.76	\$ 48,564.69
Overhead %	188.00	3,720.07	91,301.60
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Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		608.28	32,678.38
Total Costs:		6,990.97	189,328.63
Total Due This Invoice		\$ 6,990.97	\$ 189,328.63

Agenda Item No. 11

NESPS Dedication

OAKLAND MACOMB INTERCEPTOR DRAIN, NORTHEAST SEWAGE
PUMPING STATION AND NORTH INTERCEPTOR-EAST ARM
REHABILITATION PROJECTS
2025

OAKLAND - MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT

OAKLAND COUNTY WATER RESOURCES
COMMISSIONER

Jim Nash

MICHIGAN DEPARTMENT OF AGRICULTURE
AND RURAL DEVELOPMENT

Michael Gregg

MACOMB COUNTY PUBLIC WORKS
COMMISSIONER

Candice Miller

This plaque is dedicated to the following companies who, with hard work and perseverance, facilitated the rehabilitation of critical Oakland-Macomb Interceptor Drain Drainage District infrastructure through a series of projects from 2009 to 2025 to protect public health and preserve the quality of life for Oakland County and Macomb County residents.

Applied Science, Inc.	FK Engineering	Kennedy Industries	PM Technologies
Anderson Eckstein and Westrick	HESCO	Marra Services	Ric-Man Construction
Commercial Contracting Corporation	Inland Waters Pollution Control	METCO Services	Rotor Electric
CSM Mechanical	Jacobs	Motor City Electric Technologies	Spalding DeDecker Assoc.
Doetsch Environmental	Jay Dee Contractors	NTH Consultants	Walsh Construction
Dunbar Mechanical	Lanzo Construction	Orchard Hiltz and McCliment	Z Contractors

A special honor is bestowed to the following individuals, whose outstanding contributions and commitment to the design, construction, operations and maintenance of this infrastructure ultimately led to the success of these projects.

Terry Moore, METCO

Abdulnasser Almadhoun, P.E. NTH	Harry Price, P.E. NTH	Karen Ridgway, P.E. ASI	Norm Stangis, Rotor Electric
Darin Gilbert, MCET	Joe Schotthoefer, Doetsch	Lou Urban, P.E. AEW	Ryan Noll, Kennedy Industries
Fritz Klingler, P.E. FKE	John Michalski, P.E. ASI	Larry Gilbert, P.E. NTH	Raj Vijayendran, P.E. METCO

Agenda Item No. 12

Other Business

Agenda Item No. 13

Adjourn