

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

April 15, 2020 – 11:30 a.m.

Via teleconference

Call-in number (248) 289-9359, followed by access code 191969

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 April 15, 2020
3. Motion to approve the Drainage District Board Meeting Minutes from March 18, 2020
4. Public Comment
5. Motion to approve the following Engineering Work Orders:
 - a) Jacobs: Additional Odor/Corrosion Study Analyses
 - b) NTH: Design Services Related to Gate Automation at the Existing PC-663 Structure and New Seven Mile Adit Structure
6. Motion to approve the following Change Orders:
 - a) Change Order No. Five for CSM Mechanical, LLC
 - b) Change Order No. One for Walsh Construction
7. Motion to approve the following Construction Estimate:
Construction Estimate No. Eight for CSM Mechanical, LLC
8. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS, NI-EA
9. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
10. Motion to approve the following Invoices:
 - a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs
 - 1) Labor/Fringes/Non-Direct Labor Factor
 - Segment 4 \$ 8,817.30
 - Segment 4 Odor Corrosion Study \$ 16,661.06
 - Segment 4 Mileage \$ 465.75

2)	Equipment Charges		
	• Segment 4		\$ 674.68
	• Segment 4 Odor Corrosion Study		\$ 2,020.07
3)	Reimbursement of Drain Revolving Fund		
	Macomb County Invoice No. ARP20072		\$ 8,371.51
b)	Applied Science, Inc.		
	Invoice No. 14	O&M	\$ 121,170.61
c)	CDM Smith		
	Invoice No. 90096249	O&M	\$ 7,324.63
d)	Ch2m		
	Invoice No. 15	Seg. 4	\$ 36,250.94
e)	CSM Mechanical, LLC		
	Invoice No. 20OMIDD001	O&M	\$ 682.37
f)	Dickinson Wright		
	1) Invoice No. 1455401	O&M	\$ 875.00
	2) Invoice No. 1455403	O&M	\$ 420.00
g)	Grainger		
	Invoice No. 946704112	O&M	\$ 104.62
h)	Jacobs		
	Invoice No. 19	Seg. 1	\$ 14,163.86
i)	Kennedy Industries		
	Invoice No. 617137	O&M	\$ 1,989.00
j)	METCO		
	Invoice No. 1811-15	O&M	\$ 38,617.63
k)	NTH Consultants, Ltd		
	1) NI-EA – Engineering Design Services for Rehabilitation of NI-EA Sections PCI-4		
	Invoice No. 10	O&M	\$ 219,002.39
	2) REPAIRS – OMID System Immediate Repairs		
	Invoice No. 14	O&M	\$ 380.65
	3) NESPS – Construction Material Testing for NESPS Odor/Corrosion System		
	Invoice No. 6	Seg. 4	\$ 807.88
l)	PM Technologies		
	1) Invoice No. 134618	O&M	\$ 645.00
	2) Invoice No. 134816	O&M	\$ 300.00
	3) Invoice No. 136253	O&M	\$ 5,750.00
	4) Invoice No. 136254	O&M	\$ 5,750.00
	5) Invoice No. 136256	O&M	\$ 5,750.00
m)	Rotor Electric		
	1) Invoice No. 12305	O&M	\$ 2,449.50
	2) Invoice No. 12307	O&M	\$ 34,179.70
	3) Invoice No. 12306	O&M	\$ 258.00
	4) Invoice No. 12308	O&M	\$ 2,777.42
n)	Select Medical		
	Invoice No. N/A	O&M	\$ 1,104.71
o)	Walsh Construction Company		
	Invoice No. 220008 Pre-Con2	O&M	\$ 109,334.00

11. NESPS Emergency Contingencies Project Status Update

12. Other Business

13. Adjourn

Next Regular Meeting: May 20, 2020 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the location and manner of the May meeting has yet to be determined.

Agenda Item No. 3

Board Meeting Minutes from March 18, 2019

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

March 18, 2020

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held via teleconference on the 18th day of March at 11:30 a.m. Eastern Standard Time.

PRESENT:

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

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Anne Vaara, Steven Korth, Joel Brown, Sid Lockhart, Brian Coburn, Raphael Chirolla and Megan Koss. Others in attendance: Brady Harrington, MDARD; Fritz Klingler, FK Engineering; Shawn Phelps, OC Fiscal Services; Larry Gilbert and Saju Sachidanandan, NTH Consultants; Pete Webster, Dickinson Wright; Joe Colaianne, Clark Hill; Steven Burke, MFCI.

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:32 a.m. The Chairperson made a brief statement regarding the ongoing COVID-19 pandemic and, as a result, the need for the meeting to be held via teleconference. He indicated that the meeting was being held in compliance with the Governor's Executive Order 2020-02, which provides that meetings can be held via teleconference while satisfying the tenants of the Open Meetings Act, so long as a quorum is met and meaningful public participation is guaranteed. Steven Korth provided an update about the measures taken to ensure public participation, including the appropriate notice of meeting both on the County's website and posted at the building, as well as having an Oakland County sheriff monitor for public participants that may have appeared at the Water Resource Commissioner's Office. He noted that no public had appeared either in person or via phone.

2. Agenda.

Motion by Baker, supported by Nash, to approve the March 18, 2020 agenda as presented.

AYES: Gregg, Baker and Nash

NAYS: None

3. Minutes.
Motion by Nash, supported by Baker, to approve the minutes of the February 19, 2020 meeting.

AYES: Gregg, Baker and Nash
NAYS: None
4. Public Comment. None.
5. Memorandum regarding operating budget, cost allocation and Capital Improvement Program for the upcoming rate year.
Brian Coburn presented a Memorandum requesting the Board approve the proposed operating budget, cost allocation and Capital Improvement Program for the rate year beginning July 1, 2020. He provided an overview of the budget, flow split and capital projects planned for 2021. Mr. Coburn also discussed the change in GLWA's rates. Motion by Nash, supported by Baker, to approve the proposed budget, cost allocation and Capital Improvement Program for the rate year beginning July 1, 2020 as presented.

AYES: Gregg, Baker and Nash
NAYS: None
6. Update regarding Drainage District bonding and the current market.
Steve Burke and Joe Colaianne provided an update as to current market conditions in light of the ongoing COVID-19 pandemic and how it will affect Drainage District bonding for future projects. Mr. Burke noted that the market was fluctuating by the hour and there had been the fastest rise ever in municipal rates. He stated that as a result of the market conditions, current bond sales have been delayed. Mr. Baker inquired as to whether the plan to seek full faith and credit resolutions from each County's Board of Commissioners in April was still in place. Mr. Burke indicated it was, subject to the Board of Commissioners continuing to hold regular meetings during the pandemic. Motion by Nash, supported by Baker, to receive and file the update regarding Drainage District bonding and the current market as presented.

AYES: Gregg, Baker and Nash
NAYS: None
7. Engineering Work Order.
The following Engineering Work Order was submitted to the Board for approval: ASI Work Order No. D- for Additional Environmental and Investigation Services on the NESPS Mechanical and Electrical Upgrades Project for an amount not to exceed \$43,244. Motion by Baker, supported by Nash, to approve the ASI Engineering Work Order for an amount not to exceed \$43,244 as presented.

AYES: Gregg, Baker and Nash
NAYS: None

8. Change Order.

The following Change Order was submitted to the Board for approval:
CSM Mechanical, LLC Change Order No. Four for a net increase in the amount of \$14,129.29. Motion by Nash, supported by Baker, to approve Change Order No. Four as presented.

AYES: Gregg, Baker and Nash

NAYS: None

9. Construction Pay Estimate.

The following Construction Pay Estimate was submitted to the Board for approval: Construction Estimate No. Seven for CSM Mechanical, LLC for a payment to the contractor in the amount of \$713,476.30 and a transfer of \$38,579.19 for deposit as retained funds in an interest-bearing account in a regulated financial institution in accordance with Act No. 524 of the Michigan Public Acts of 1980. Motion by Nash, supported by Baker, to approve Construction Pay Estimate No. Seven as presented.

AYES: Gregg, Baker and Nash

NAYS: None

10. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS and NI-EA.

Fritz Klingler of FK Engineering presented the Project Progress Update to the Board and summarized the status of various projects. Motion by Nash, supported by Baker, to receive and file the report and summary (as attached).

AYES: Gregg, Baker and Nash

NAYS: None

11. Financial Reports.

Shawn Phelps of OC Fiscal Services presented the financial reports for Segments 1 through 4 and the NESPS. Motion by Baker, supported by Nash, to receive and file the financial reports (as attached).

AYES: Gregg, Baker and Nash

NAYS: None

12. Invoices.

The following invoices were submitted to the Board for approval:

a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs

1) Labor/Fringes/Non-Direct Labor Factor

• Segment 4	\$ 4,385.63
• Segment 4 Odor Corrosion Study	\$ 18,896.25
• Segment 4 Mileage	\$ 983.25

2) Equipment Charges

• Segment 4	\$ 462.66
• Segment 4 Odor Corrosion Study	\$ 2,409.09

3)	Reimbursement of Drain Revolving Fund		\$	289.76
b)	Applied Science, Inc.			
	Invoice No. 13	O&M	\$	126,679.81
c)	CDM Smith			
	Invoice No. 90094298	O&M	\$	2,883.26
d)	Ch2m			
	Invoice No. 14	Seg. 4	\$	38,531.46
e)	Clark Hill			
	Invoice No. 958030	O&M	\$	1,215.00
f)	Jacobs			
	Invoice No. 697317CH018	Seg. 1	\$	11,928.66
g)	Kennedy Industries			
	Invoice No. 616153	O&M	\$	2,311.38
h)	METCO			
	Invoice No. 1811-14	O&M	\$	30,498.90
i)	NTH Consultants, Ltd			
1)	NI-EA – Engineering Design Services for Rehabilitation of NI-EA Sections PCI-4			
	Invoice No. 9	O&M	\$	124,140.85
2)	REPAIRS – OMID System Immediate Repairs			
	Invoice No. 13	O&M	\$	1,407.16
3)	NI-EA – NI-EA Lining Options and Study			
	Invoice No. 18	Seg. 4	\$	630.40
4)	NESPS – Construction Material Testing for NESPS Odor/Corrosion System			
	Invoice No. 5	Seg. 4	\$	6,450.99
5)	NESPS CCA – Emergency Rehabilitation of the NESPS Discharge Chamber			
	Invoice No. 50	Seg. 4	\$	1,000.81
j)	PMA Consultants			
	Invoice No. 03559-87	O&M	\$	6,148.78
k)	Rotor Electric			
1)	Invoice No. 12289	O&M	\$	2,411.59
2)	Invoice No. 12296	O&M	\$	4,902.00
3)	Invoice No. 12297	O&M	\$	534.15
l)	Walsh Construction Company			
	Invoice No. 220008	O&M	\$	254,518.00

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

AYES: Gregg, Baker and Nash

NAYS: None

13. OMIDDD Underground Maintenance and Miscellaneous Service Contracts.
Joel Brown presented for approval OMIDDD Underground Maintenance and Miscellaneous Service contracts with Cortis Bros. Trucking and Excavating, Inc. and D'Angelo Brothers, Inc. Motion by Nash, supported by Baker, to approve the OMIDDD

Underground Maintenance and Miscellaneous Service Contracts with Cortis Bros. Trucking and Excavating, Inc. and D'Angelo Brothers, Inc.

AYES: Gregg, Baker and Nash
NAYS: None

14. NESPS Transition Project Budget Increase.

Joel Brown presented for approval an NESPS Transition Project Budget Increase of \$100,000 for an overall not-to-exceed amount of \$503,000. It was moved by Baker, supported by Nash to approve an NESPS Transition Project Budget Increase of \$100,000 for an overall not-to-exceed amount of \$503,000.

AYES: Gregg, Baker and Nash
NAYS: None

15. Discussion regarding Pete Webster and Joe Viviano projects.

Mr. Baker discussed utilizing Pete Webster and Joe Viviano to change the Drainage District services agreement from Macomb County to the Macomb Interceptor Drain Drainage District and proceed with working with GLWA to approve the services area. Pete Webster indicated he had spoken to Mr. Viviano, requesting that the Board clarify their intent to move forward with the aforementioned. It was moved by Baker, supported by Nash, to have Webster and Viviano attend to the Drainage District services agreement and proceed with working with GLWA as described.

AYES: Gregg, Baker and Nash
NAYS: None

16. Other Business. None.

17. Adjourn.

Motion by Nash, supported by Miller, to adjourn the March 18, 2020 meeting at 1:16 p.m.

AYES: Gregg, Miller and Nash
NAYS: None

Next Regular Meeting: April 15, 2020 at 11:30 a.m., Eastern Standard Time. Due to the current COVID-19 pandemic, the location and manner of the April meeting are to be determined.

I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage Board, at a meeting held on March 18, 2020 and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976 and Executive Order 2020-02 and that the minutes were kept and will be or have been made available as required by the Act.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this _____ day of _____, 2020.

Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

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, P.E. Macomb County Public Works Commissioner's Office**

SUBJECT: Approval of CH2M (Jacobs) EWO for Additional Odor/Corrosion Study Analyses

DATE: April 15, 2020

On July 25, 2018, the Board approved CH2M (Jacobs) to be retained by the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) to conduct a system-wide odor and corrosion study on the Oakland-Macomb Interceptor Drain (OMID). On February 19, 2020 CH2M presented the preliminary results of the study to the OMIDDD Board. After that meeting, and a subsequent technical meeting between OMIDDD and CH2M, it was determined that several items required further evaluation considering the future flow control and rehabilitation that will be performed in the OMID and MID systems. Accordingly, CH2M has developed a proposal, dated March 16, 2020 (attached) outlining the additional scope of work as follows:

Task 1 – Update WATS Model to Include Rehabilitation

Using the calibrated WATS collection system sewer process model, update the model by including the proposed CS-12 shaft and select interceptor sewer reaches to be lined in the future. In addition, further evaluate how the shaft and lining will impact the proposed odor/corrosion treatment facilities and modify the recommended facilities if needed.

Task 2 – Review Flow Control for Future Rehabilitation

Obtain and review in detail the updated flow control/management plan for future MID and OMID lining projects to gain a clear understanding of the planned combined use of several flow control facilities. This is necessary to develop treatment scenarios for each sewer reach between flow control structures.

Task 3 – Evaluate Odor/Corrosion Impacts from new Tunnel

Upon completion of Task 2, using the calibrated WATS collection system sewer process model, update the sewer process model by simulating a new gravity sewer (approximately 72 inches in diameter) that will connect to the OMID or MID near the confluence at 15 Mile Road and bypass the restriction (8-foot diameter HOBAS liner) in the Edison Corridor. Evaluate impacts to odors and sewer corrosion with this new asset in-place, to help ensure there are no unintended consequences related to odors and corrosion and confirm that the recommended treatment options are still effective.

Task 4 – Additional Evaluation on Sewer Section Loss Rates

Using the updated WATS model, develop a graph to allow for comparison of potential thickness loss including vapor-phase treatment and without any treatment (no action option). Develop anticipated concrete thickness loss for each sewer reach between flow control structures and compare those model predictions to the constructed thicknesses for each reach.

Task 5 – Additional Evaluation of Liquid Phase Treatment

Provide a determination of site locations for potential permanent liquid phase treatment facilities. Request additional information on upstream collection systems to assess the feasibility and approximate number and location of liquid-phase facilities. Refine opinions of construction and O&M costs for these dosing stations. Physical siting of dosing stations would be done outside of this scope of work during the preliminary design phase of the project, if this alternative is selected.

Task 6 – Evaluate Emission Points During Storage Mode

Evaluate and identify potential emission points from interceptor sewers that are surcharged during Storage Mode using the flow control structures. Use these model predictions to then determine if those locations correlate with areas of known odor complaints. Perform AERMOD dispersion modeling if the locations correlate with complaints and determine if odor control is required at those emission points.

Task 7 – Update and Finalize Study Report

Update the final report with the new information gained from the additional analyses. Hold another review meeting to discuss and finalize the report. Issue five hardcopies and an electronic copy of the report to OMIDDD.

Task 1 – Update WATS Model To Include Rehabilitation:	\$15,102
Task 2 – Review Flow Control for Future Rehabilitation:	\$11,018
Task 3 – Evaluate Odor/Corrosion Impacts from new Tunnel:	\$13,108
Task 4 – Additional Evaluation on Sewer Section Loss Rates:	\$22,870
Task 5 – Additional Evaluation of Liquid Phase Treatment:	\$33,568
Task 6 – Evaluate Emission Points During Storage Mode	\$15,737
Task 7 – Update and Finalize Study Report	\$31,255
Miscellaneous Expenses	\$5,000
Total:	\$147,658

The attached engineering work order has been created for the above scope of work and associated fees. There are sufficient major maintenance reserve funds to cover the additional cost for this effort.

RECOMMENDED ACTION: Approve the attached Engineering Work Order for the additional study analyses required on the OMID System Wide Odor/Corrosion Control Study in the amount of \$147,658 for a total not exceed amount of \$531,447. In addition, approve the transfer of \$147,658 from the Major Maintenance Reserve (Program #149662) to the Oakland-Macomb Interceptor Drain (OMID) Segment 1 Project #1-1272 to provide appropriate funding.

OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD

One Public Works Drive

Phone: (248) 858-0958

Waterford, Michigan 48328-1907

No. D -

ENGINEERING WORK ORDER

FOR: OMID Odor and Corrosion Control Study

Engineering Consulting Services (Amendment #2) to Contract #5216

TO: CH2M

DATE: 4/8/20

DESCRIPTION

Per *Section 7: General Terms and Conditions, Article 7.28* of the existing Professional Services Contract #5216, this Engineering Work Order (EWO) is your authorization to proceed with the following additional services related Oakland-Macomb Interceptor Drain System Wide Odor/Corrosion Control Study in accordance with your attached proposal, dated March 16, 2020 with supporting hours estimation and scope description. A breakdown of the additional major task and associated costs are as follows:

Task 1 – Update WATS Model to Include Rehabilitation

Using the calibrated WATS collection system sewer process model, update the model by including the proposed CS-12 shaft and select interceptor sewer reaches to be lined in the future. In addition, further evaluate how the shaft and lining will impact the proposed odor/corrosion treatment facilities and modify the recommended facilities if needed.

Task 2 – Review Flow Control for Future Rehabilitation

Obtain and review in detail the updated flow control/management plan for future MID and OMID lining projects to gain a clear understanding of the planned combined use of several flow control facilities. This is necessary to develop treatment scenarios for each sewer reach between flow control structures.

Task 3 – Evaluate Odor/Corrosion Impacts from new Tunnel

Upon completion of Task 2, using the calibrated WATS collection system sewer process model, update the sewer process model by simulating a new gravity sewer (approximately 72 inches in diameter) that will connect to the OMID or MID near the confluence at 15 Mile Road and bypass the restriction (8-foot diameter HOBAS liner) in the Edison Corridor. Evaluate impacts to odors and sewer corrosion with this new asset in-place, to help ensure there are no unintended consequences related to odors and corrosion and confirm that the recommended treatment options are still effective.

Task 4 – Additional Evaluation on Sewer Section Loss Rates

Using the updated WATS model, develop a graph to allow for comparison of potential thickness loss including vapor-phase treatment and without any treatment (no action option). Develop anticipated concrete thickness loss for each sewer reach between flow control structures and compare those model predictions to the constructed thicknesses for each reach.

Task 5 – Additional Evaluation of Liquid Phase Treatment

Provide a determination of site locations for potential permanent liquid phase treatment facilities. Request additional information on upstream collection systems to assess the feasibility and approximate number and location of liquid-phase facilities. Refine opinions of construction and O&M costs for these dosing stations. Physical siting of dosing stations would be done outside of this scope of work during the preliminary design phase of the project, if this alternative is selected.

Task 6 – Evaluate Emission Points During Storage Mode

Evaluate and identify potential emission points from interceptor sewers that are surcharged during Storage Mode using the flow control structures. Use these model predictions to then determine if those locations correlate with areas of known odor complaints. Perform AERMOD dispersion modeling if the locations correlate with complaints and determine if odor control is required at those emission points.

Task 7 – Update and Finalize Study Report

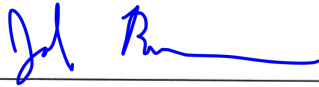
Update the final report with the new information gained from the additional analyses. Hold another review meeting to discuss and finalize the report. Issue five hardcopies and an electronic copy of the report to OMIDDD.

Task 1 – Update WATS Model To Include Rehabilitation:	\$15,102
Task 2 – Review Flow Control for Future Rehabilitation:	\$11,018
Task 3 – Evaluate Odor/Corrosion Impacts from new Tunnel:	\$13,108
Task 4 – Additional Evaluation on Sewer Section Loss Rates:	\$22,870
Task 5 – Additional Evaluation of Liquid Phase Treatment:	\$33,568
Task 6 – Evaluate Emission Points During Storage Mode	\$15,737
Task 7 – Update and Finalize Study Report	\$31,255
Miscellaneous Expenses	\$5,000
Total:	\$147,658

All work is to be performed and billed according to *Section 4-OMID Payment Obligations for Consulting Services and Exhibit A* of the existing Professional Services Contract #5216. **These costs are not to be exceeded without prior written authorization from the OMIDDD.**

PREPARED

DATE: 4/10/20



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

RECOMMENDED

DATE: 4/10/2020



By: Stephen Downing, P.E.
Construction and Maintenance Manager
MCPWO

ACCEPTED

DATE: 4-10-20

 For.

By: Mark Pochodylo, P.E.
Client Area Manager
CH2M

APPROVED

DATE: 4/13/2020



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

Approved by Drainage Board on:



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: Approval of NTH EWO for Design Services Related to Gate Automation at the Existing PC-663 Structure and New Seven Mile Adit Structure

DATE: April 15, 2020

During the course of the design of the North Interceptor-East Arm (NI-EA), the NTH-led design team has suggested the possibility of automating the gates at the existing PC-663 Structure (on the NI-EA) as well as the new Seven Mile Adit Structure located in proximity to Seven Mile Road and Van Dyke as shown in Figure 1.

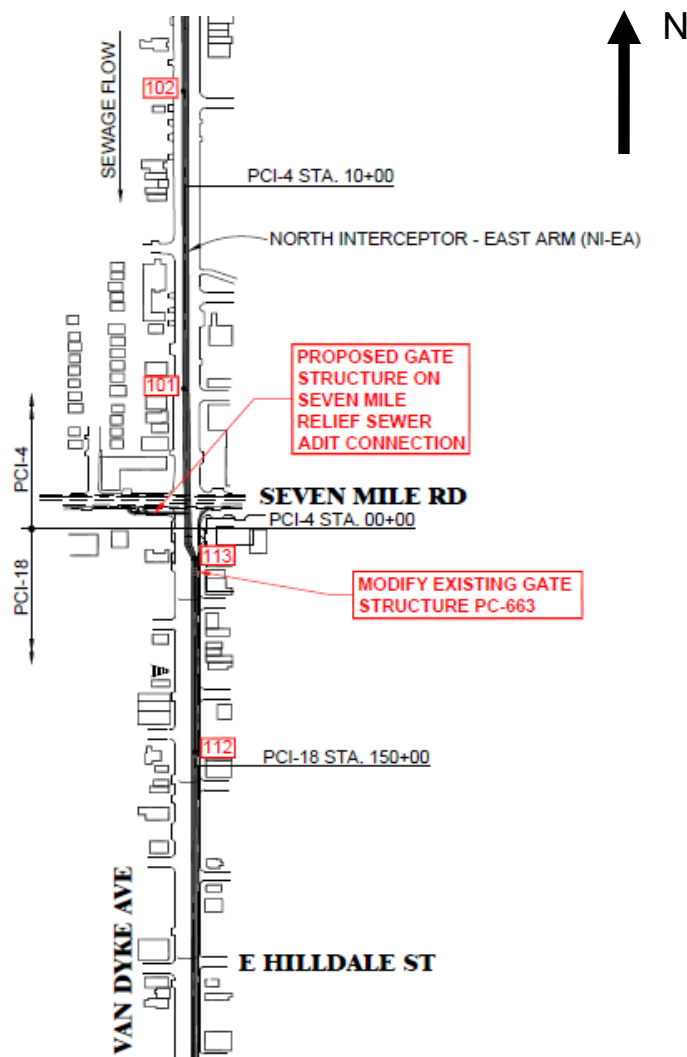


Figure 1. Seven Mile Adit Structure and Existing PC-663 Structure Location

Automation of these gate structures would allow for their remote operation during the NI-EA rehabilitation work, which would otherwise require the use of a standby crane and operator to control them. Remote operation would also allow flexibility in flow control operations during future inspection, rehabilitation wet weather events and/or emergencies. Accordingly, we believe it is worthwhile to proceed with designing the gates for remote operation. As this was not included in NTH's original scope, NTH has prepared the attached proposal, dated April 8, 2020 which consists of the following scope of work that is to be performed by NTH, Applied Science and METCO:

Task 1 - Project Management

Provide project management including detailed work planning and coordination among team members, conducting as-needed progress meetings with the Owner and team members to review work plan and schedule progress, identifying and tracking issues that require resolution during design, preparing monthly progress reports, and work progress invoicing.

Task 2 – Document/Record Review

Document / record review services necessary to perform the proposed gate design will consist of the following tasks:

- **Review of Existing PC-663 Gate Structure Drawings:** Since the PC-663 structure was designed to house a bulkhead gate, review the design, original shop drawings and as-built drawings of the gate structure to check for compatibility.
- **Review Flow Control Operation:** Meet with the OMID Flow Control Manager to identify any operational or maintenance issues that have arisen during the use of the similar OMID Control Structure 5 (CS-5) gate during flow control operations.

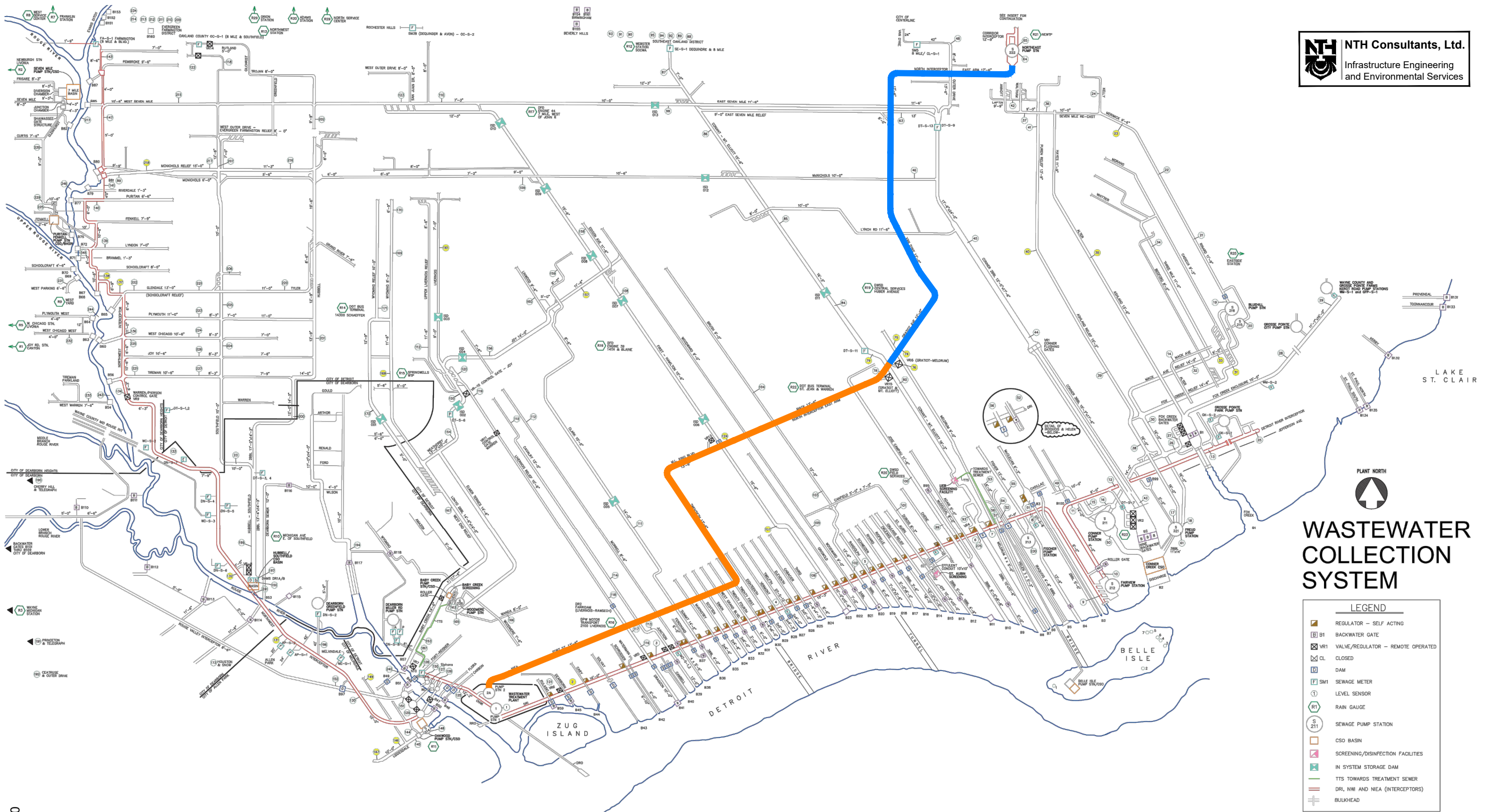
Task 3 – Additional Design

Perform the following design services required for gate automation:

- **Hydraulic Design:** Applied Science Inc. (ASI) will perform an analysis of the NI-EA flow control system to determine the optimal height of the proposed gate and weir elevations at gate structures to maximize available work time in the system. This task will include a technical memorandum that will serve as the basis of design for the proposed gates as well as how they are to be operated.
- **Mechanical, Electrical, and I&C Design:** Based on review of the existing records and discussions with the OMID Flow Control Manager, METCO Services (METCO) will design the mechanical, electrical, instrumentation, and control systems required to operate and maintain the proposed gates. This task will include a technical memorandum that will serve as the basis of design for the proposed gates.
- **Contract Drawings and Specifications:** Prepare Contract Documents based on the above designs for design review and issued-for-bid packages. Develop technical specifications based on the existing similar specifications for OMID CS-5, including any modifications that are required based on our record and design reviews described above.

The total amount of fees for this work is \$68,770. An Engineering Work Order has been created to modify the existing contract to include these services for a not to exceed amount of \$68,770.

Requested Action: Approve the attached Engineering Work Order to increase contract #2603 by a not-to-exceed amount of \$68,770 to provide required design services for the automation of the existing PC-663 Gate Structure and new Seven Mile Adit Gate Structure.



D19007814 3/4/2020



LEGEND

- OMID ONLY SECTION OF NI-EA (30,000 LF APPROXIMATELY)
- COMMON TO ALL SECTION OF NI-EA (50,000 LF APPROXIMATELY)

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

One Public Works Drive

Phone: (248) 858-0958

Waterford, Michigan 48328-1907

No. -

ENGINEERING WORK ORDER

FOR: OMID NI-EA Rehabilitation Project

Amendment to Contract #2603 For Gate Automation Design Services

TO: NTH Consultants, Ltd.

DATE: April 9, 2020

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

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the OMID NI-EA Rehabilitation Project that falls under the aforementioned sections of contract #2603. This EWO serves as your approval for compensation of the following additional services related to the gate automation of PC-663 and the new Seven Mile Adit Structure as delineated in your April 8, 2020 proposal.

Task 1 - Project Management

Provide project management to ensure the project will be completed within the required schedule. Work in this task includes detailed work planning and coordination among team members, conducting as-needed progress meetings with the Owner and team members to review work plan and schedule progress, identifying and tracking issues that require resolution during design, preparing monthly progress reports, and work progress invoicing.

Task 2 – Document/Record Review

Document / record review services necessary to perform the proposed gate design will consist of the following tasks:

- **Review of Existing PC-663 Gate Structure Drawings:** Since the PC-663 structure was designed to house a bulkhead gate, review the design, original shop drawings and as-built drawings of the gate structure to check for compatibility.
- **Review Flow Control Operation:** Meet with the OMID Flow Control Manager to identify any operational or maintenance issues that have arisen during the use of the similar OMID Control Structure 5 (CS-5) gate during flow control operations.

Task 3 – Additional Design

- **Hydraulic Design:** Applied Science Inc. (ASI) will perform an analysis of the NI-EA flow control system to determine the optimal height of the proposed gate and weir elevations at gate structures to maximize available work time in the system. This task will include a technical memorandum that will serve as the basis of design for the proposed gates as well as how they are to be operated.

- ***Mechanical, Electrical, and I&C Design:*** Based on review of the existing records and discussions with the OMID Flow Control Manager, METCO Services (METCO) will design the mechanical, electrical, instrumentation, and control systems required to operate and maintain the proposed gates. This task will include a technical memorandum that will serve as the basis of design for the proposed gates.
- ***Contract Drawings and Specifications:*** Prepare Contract Documents based on the above designs for design review and issued-for-bid packages. Develop technical specifications based on the existing similar specifications for OMID CS-5, including any modifications that are required based on our record and design reviews described above.

The total additional fees for the above tasks are \$68,770.

Fees for this Engineering Work Order shall be billed on a time and material basis according to the contract standard fee and rate schedule as modified by your proposal. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$68,770. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.

PREPARED **DATE:** 4/9/20

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

RECOMMENDED **DATE:** 4/9/2020

By: Stephen Downing, P.E.
Construction and Maintenance Manager
MCPWO

ACCEPTED **DATE:** _____

Keith M. Swaffar Keith M. Swaffar
Apr 9 2020 10:30 AM

By: Keith Swaffar, P.E.
Chairman
NTH Consultants, Ltd.

APPROVED **DATE:** 4/13/2020

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

Approved by Drainage Board on: _____

Agenda Item No. 6

Change Orders

CHANGE ORDER NO.: Five
Oakland Macomb Interceptor Drain, Drainage Board
For Construction of the Odor/ Corrosion Control Facility Project,
Northeast Sewage Pumping Station
Located in the City of Detroit, Wayne County, Michigan

CONTRACTOR: CSM Mechanical, LLC

Authorization for:

- 1.) Provide budgetary allowance for furnishing an Emergency Confined Space Rescue Team for elevated Wet Well work;
- 2.) Adjust the Contract times for interim Substantial Completion for the Trickling Filter installation, and Final Completion for the Project.

Address: 7400 Hickory Valley Drive
Fenton, MI 48430

Change Order No.: 5 **Date:** April 08, 2020

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
5-1	<p><u>LOCATION:</u></p> <p>Northeast Sewage Pumping Station (NESPS), located in the City of Detroit, Wayne County, Michigan</p> <p><u>DESCRIPTION: (Extra/ Add):</u></p> <p>Provide compensation to the Contractor for the furnishing of a specialized "Confined Space Entry (CSE) Rescue Support Subcontractor" trained and equipped for "At Height" rescue service in the Permit Confined Space NESPS Wet Well.</p> <p><u>REASON:</u></p> <p>Certain work activities in the NESPS Wet Well require the erection of extended height scaffolding (in excess of 100'). This characteristic created serious emergency recovery challenges in the event incapacitated Contractor, Engineer, or OMID DD personnel required rescue from extreme height locations. The specialized "At Height CSE Rescue" crew provides this service on an As-Needed Standby basis when elevated work is in progress within the Wet Well.</p>	LS	1 ea.	\$69,000.00	\$69,000.00	-0-

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 5

The Engineering Team and the Project Owner determined that upon consideration, additional compensation was due to the Contractor for this specialized risk mitigation and safety enhancement effort.

Accordingly, a budgetary allowance is recommended to provide compensation for this additional task, with the final cost of this task to be adjusted as necessary in a future balancing Change Order.

The per diem cost of this service includes a trained 3 man rescue crew, fully equipped with specialized rescue gear, is \$2,181.00 per 8 hr. shift, and 2 hr. travel time. The budgeted allowance cost is based on an approx.30 day duration, plus a 5% General Contractor markup as allowed by the Contract Specifications.

Calculation: 30 Days @ \$2,181.00/ day + 5%
 Total = \$68,701.50
 Allowance request = \$69,000.00

Attachment:

- CSM Mechanical correspondence of March 9, 2020.
- Elite Technical Services (Partial Billings)

5-2 DESCRIPTION: (Change/ Contract Times):

a. Adjust the Contract time for the achievement of interim Substantial Completion of the BioTrickling Filter Installation from February 2, 2020 (190 days from the Notice to Proceed) to April 18, 2020 (now 266 days from the Notice to Proceed)	Day	76	N/A	76 Days	-0-
b. Adjust the Contract time for HVAC Substantial Completion from July 28, 2020 (363 days from the Notice to Proceed) to June 28, 2020 (now 333 days from the Notice to Proceed).	Day	(30)	N/A	-0-	(30 Days)
c. Adjust (reduce) the Contract time for Final Completion from September 27, 2020 (423 days after the Notice to Proceed) to August 28, 2020 (now 393 days after the Notice to Proceed).	Day	(30)	N/A	-0-	(30 Days)

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 5

	<p><u>REASON:</u></p> <p>Various delays have occurred during the shop drawing submittal process, initial manufacture, product delivery, and on-site installation tasks which have impacted the BioTrickling Filter installation and for which Contractor has requested an adjustment of the Contract Times. Upon review, the Engineer and Owner have determined that an extension of time for the interim BioTrickling Filter Substantial Completion date is warranted.</p> <p>The Contract times for Substantial Completion for the HVAC Improvements and for Final Completion for the Project are also adjusted (reduced) to address the Contractor's stated intention to achieve the HVAC Substantial and the project Final Completion times ahead of schedule.</p> <p>In addition, the Contractor further agrees that any additional cost adjustments (i.e., Field and Home Office overhead charges and/or related incidental costs) for these specific adjustments of Contract Time are waived.</p> <p><u>Attachments:</u></p> <ul style="list-style-type: none"> • OMID DD Notice Letter of Feb. 10, 2020 • CSM Mechanical, LLC letter of Feb. 13, 2020 • Jacobs Letter of Feb. 17, 2020 					
	<p align="center">Totals</p>		<p align="center">\$69,000.00</p>		<p align="center">-0-</p>	
	<p align="center">Net Changes: Contract Time Adjustments</p>		<p align="center">\$69,000.00</p> <p align="center">As Noted Above (5-2)</p>			

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 5

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

Lawrence T. Gilbert

Date: 4-13-2020

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

Jason Matteo

Date: 4/13/2020

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

Joel Brown

Date: 4/13/20

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

Stephen Downing

Date: 4/13/2020

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

Sid Lockhart

Date: 4/13/2020

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

Date: _____

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

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

Accepted by:

Chris Miller
Title

Date: 04.09.2020

of: CSM Mechanical, LLC

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

This Change Order No. 5 was approved by the Drainage Board on: Date: _____

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 5

OMID Odor/ Corrosion Control Facility
Northeast Sewage Pumping Station
April 08, 2020

Attachment No. 1 to Change Order No. Five

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

Contract Status Summary
Change Order No. Five
OMID Odor/ Corrosion Control Facility, NESPS

Contractor: CSM Mechanical, LLC

Project Award Date	July 3, 2019
Notice to Proceed Date	Aug. 1, 2019
Contract Substantial Completion (SC) Date (<i>Adjusted</i>)	June 28, 2020
Contract Final Completion Date (<i>Adjusted</i>)	August 25, 2020
Original Contract Value	\$3,783,390.00
Previous Change Order Values (C.O. # 1, 2, 3 and # 4)	\$ 169,002.07
Change Order Value, Proposed Change Order # 5	\$ 69,000.00
Adjusted Contract Value (Incl. C.O. # 1, 2,3, 4 and 5)	\$ 4,021,392.07

CHANGE ORDER NO. 1

Oakland-Macomb Interceptor Drain Drainage District Board
For Construction of the NESPS Mechanical and Electrical Upgrades Project (Contract #5977)
Located in Wayne County, MI

CONTRACTOR: Walsh Construction Company II, LLC
Address: 3031 West Grand Blvd. Ste. 640
Detroit, MI 48202

Authorization for Changes In and Extras to Contract


Change Order No: 1 Date: 4/3/2020

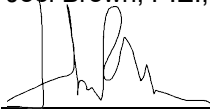
Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
A	<u>LOCATION:</u> NESPS (Preconstruction Services)					
A	<u>DESCRIPTION:</u> (Change/Add): Add preconstruction insurance costs to Walsh's preconstruction service fees of \$570,000 at a rate of 0.8% total revenue (0.008 x \$570,000 = \$4,560).	LS	1	\$4,560.00	\$4,560.00	-
A	<u>REASON:</u> Per Section 6.6.1 of the Agreement, insurance premium costs were to be determined at a later time after execution of the Contract once details of how Walsh would be internally charged for the project and how those charges would be integrated into the OCIP. Until the OCIP is in place, it was agreed to by both Walsh and the Owner that Walsh be allowed to invoice 0.8% of their costs as compensation for their contractually required insurance coverages during the preconstruction phase.					
				Item A Total	\$4,560.00	\$0.00
				Total	\$4,560.00	

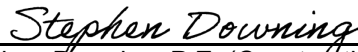
Change Order

CHANGE ORDER NO. 1

Oakland-Macomb Interceptor Drain Drainage District Board
For Construction of the NESPS Mechanical and Electrical Upgrades Project (Contract #5977)

Prepared by:  Date: 4/10/20
WRC: Joel Brown, P.E., Assistant Chief Engineer

Recommended by:  Date: 4/10/2020
Applied Science John Michalski, P.E., Vice President

Approved by:  Date: 4/10/2020
MCPWO Manager: Stephen Downing, P.E. (Construction & Maintenance Manager)

Approved by:  Date: 4/13/2020
WRC Manager: Sid Lockhart, P.E. (Special Projects Manager)

Approved by: _____ Date: _____
WRC Manager – Steven Korth, P.E.

The Contractor agrees to do the work described above and agrees to accept payment in full on the basis indicated.

Accepted by: Dave Pauline Digitally signed by Dave Pauline
DN: cn=US, Email=pauline@walshgroup.com, cn=Walsh Construction
II, LLC, c=United States, o=Walsh Group, ou=Dave Pauline
Date: 2020.04.10 13:00:00-04'00' Date: April 10, 2020
Title _____

of: Walsh Construcion II, LLC

The Contractor is hereby authorized and instructed to do the work described above in accordance with the terms of the Contract.

This Change Order No. 1 was approved by the Drainage Board on: _____ Date: _____

Agenda Item No. 7

Construction Estimate

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

Regular Construction Estimate No. Eight

March 1, 2020 through March 31, 2020

Department No.:	6010101	Account No.:	731472
Fund No.:	84915	Program No.:	149015
Project No.:	295117	Activity:	FAC

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

Contract No. # 5777

Date of Contract: July 3, 2019
 Final Completion Date: September 27, 2020
 Extended to: N/A

Original Contract Amount:		\$3,783,390.00
Previous Change Orders:	CO# 1 , 2, 3 and 4	\$169,002.07
Change Orders This Estimate:	None	\$0.00
Total Net Change Orders:		\$169,002.07
Adjusted Contract Amount:		\$3,952,392.07
Sub-Total To Date:		\$2,795,162.21
Less Deductions:		None
Gross Estimate: (Work in Place)	70.72 % Complete	\$2,795,162.21
Less Amount Reserved : Lump Sum	(10% of 50% of Contract)	\$196,913.14
Total Amount Allowed To Date:		\$2,598,249.07
Less Previous Estimates:		\$2,138,481.89
Net Payment Request To Be Paid To Contractor:		\$459,767.18
Reserve Payment to Contractor		\$0.00
Balance to finish: \$1,157,229.86	Accounting Auditor: <i>jlb</i>	
Amount To Be Reserved (From Above)		\$196,913.14
Less Previous Transfers To Reserve:		\$196,913.14
Amount of Current Transfer:		-0-

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

Date: *04-09-2020*

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

Date: *4/10/2020*

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

Date: *4/10/20*

Recommended by: *Stephen Downing*
 Stephen Downing; Macomb County OPWC

Date: *4/10/2020*

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

Date: *4/13/2020*

Regular Construction Estimate No. Eight

Approved By Board On: _____

Agenda Item No. 8

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

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

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

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

April 15, 2020 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (April 2, 2020) for the work completed for the Oakland-Macomb Interceptor Drain Repair Program (SRF Segments 1-4; Contract 7 PCI-4 repairs; Maintenance Repairs in PCI-5 through PCI-11A; Control Structure Modifications; NIEA Repairs; NESPS Upgrades; Odor/ Corrosion Control System, and other related work):

SRF Segment 1 Status:

Contracts 1&2 – Complete

System-wide Odor/Corrosion Study – Ongoing:

Engineering Consultant: Jacobs Engineering

Project Budget Summary (prior to EWO No. 2):

- | | |
|--|--------------|
| • Original Project Budget (including Fan Testing Allowance of \$60,000): | \$383,789.00 |
| • Total Spent (through March 2020): | \$376,155.56 |
| • Remaining Budget (through March 2020): | \$7,633.44 |

Milestone Schedule Summary:

- Submitted draft report including previously prepared tech memos, detailed model results, conceptual layouts, opinions of costs, and recommendations was delivered in January 2020; final report pending approval of additional requested work items, see below.

Status of Major Project Tasks:

- Presented major findings and conclusions of study report to OMIDDD Drain Board on February 19, 2020. Followed with detailed review with OMIDDD technical staff, on the basis of which additional scope was requested to evaluate for an additional range of operating conditions and sewer rehab scenarios. Coordinated with both counties regarding scope development for additional requested services.
- Prepared scope and budget for additional requested effort for sewer process modeling, air dispersion modeling and additional evaluations based on future rehab plans and anticipated operational conditions.
- Continued to advance conceptual design of vapor-phase and liquid-phase odor/corrosion control alternatives.
- At the approval of both counties, continued our evaluations for a range of operating conditions and sewer rehab scenarios.
- Prepared letter proposal for additional requested work elements for submission to the OMIDDD Drain Board for their consideration in the April 2020 Drain Board meeting. An amendment to the existing contract would be executed through EWO No. 2.

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SRF Segment 2 Status:

Contract 3 (Base Contract) – Complete, Closeout Pending

Construction Amt Invoiced: \$18,011,426.41, as adjusted by C.O. 11.

Schedule Status: Complete July 31, 2014; Overall Contract closeout will be combined with closeout for NESPS Discharge Chamber Emergency Repairs (CO 2-E, et al).

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

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

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

East side Tnemec repairs are complete; west side repairs remain delayed as a result of Pump 1 damage incurred in January 2020 during testing. GLWA currently working toward evaluating damage and effort necessary to repair. Tnemec Repairs are currently on hold pending condition assessment of Pump No. 1 and required repairs. Segment 2, Contract 3 (Base Contract and Emergency Gatehouse Repairs) remains open.

SRF Segment 3 Status:

Contract 4: Complete

SRF Segment 4 Status:

Contract 5A/5B – Complete, Administrative Closeout Pending:

Construction Amount Invoiced (C5A/B): \$11,865,520.08 corresponding to 100% of the revised final contract amount, through 6/30/17.

Schedule Status: Completed 12/31/16, on time, based on revised completion, as established by Change Order.

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

Contract 6 – Complete

Contract 7 (NIEA Emergency Rehab) – Complete

April 15, 2020 OMIDDD Board Meeting

NESPS Odor/Corrosion Mitigation System (No Contract Number)

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

Prime Construction Contractor: CSM Mechanical, LLC

Project Budget Summary:

- | | |
|---|----------------|
| • BioAir Solutions, LLC for Bio-Trickling Filter (BTF) Fabrication: | \$816,570.00 |
| • CSM Mechanical, LLC (General Construction Contractor): | \$3,938,262.78 |
| • Work completed through February 2020 (59.3 % Complete) | \$2,335,393.03 |
| • Jacobs (Design and CA/RPR) Budget (per EWO #3): | \$1,272,470.46 |
| • Remaining Jacobs Budget (through March 2020): | \$343,304.39 |

Milestone Schedule Summary:

- Notice-to-Proceed letter sent to CSM on August 1, 2019.
- Installation of the Bio Trickling Filter (BTF) at NESPS required Substantial Completion, per Contract by February 6, 2020, but will be tentatively extended by Change Order to April 18, 2020. This extension will be accompanied by an improvement in the HVAC Substantial completion and Project Final completion by one month, to September 27, 2020.
- BTF Acclimation, Start-up and Testing: Spring/Summer 2020.
- HVAC Improvements Substantial Completion: July 28, 2020 (to be adjusted by Change Order)

Status of Major Project Tasks:

- Weekly Construction Progress Meetings continue. Beginning March 3, 2020, progress meetings are scheduled on a bi-weekly basis, and currently are conducted in a virtual format
- BioAir Solutions, Inc. fabricated and delivered all the major bio-trickling filter (BTF) components. The BioAir VFD cabinets and control panel were installed by CSM in early January 2020, and fans, Odorous Air ducting, and related component installation is in progress. The remaining sections of odorous air duct have arrived on site and are in process of installation, including erection of the elevated sections of the Odorous Air FRP ductwork
- CSM has completed concrete driveway demolition, excavation for BTF foundation and final concrete pours for the bio-trickling main foundation pad and associated duct supports. CSM has completed the odorous air duct support foundations and light pole bases, and structural steel support columns have been installed. Additional foundation work for the Wet Well make Up Air Unit # 1 has also now been completed.
- CSM has completed installation of water supply and drain lines on the exterior of the bio-trickling filter vessel, and installation of water supply and drain lines to equipment connections are ongoing inside the station and near completion. Coring of the gate house wall has been completed and underground HDPE duct installation is now complete. The FRP sections on the bio-trickling filter pad have been installed and crews are working back towards the station with a final connection to the HDPE underground duct expected in early April 2020. Additional remaining activities include completion of drain lines on the biotrickling filter pad, installation of the gas detection system, and final electrical connections to outdoor equipment and devices.
- Additional electrical installation activities are ongoing inside the station to provide power and controls wiring to various components of the new bio-trickling filter and HVAC systems. Conduit and wiring installation activities are focused on the bio-trickling filter components, however minimal HVAC conduit and wiring is also underway.
- Demolition crews have removed the existing dry well Supply Fans and support frames (# 1 and # 2) in preparation for dismantling and scrap recycling. A temporary fan arrangement was installed

April 15, 2020 OMIDDD Board Meeting

to provide ventilation for crews working on other tasks within the Wet Well confined space and is now demobilized. Scaffolding has been erected inside the wet well and demolition of the existing duct work on the west side has been completed. Installation of the wet well makeup air unit #1 has been completed, and installation of the west fabric duct material is complete. are underway. Specialized Confined Space Entry emergency rescue crews provided by a trained subcontractor working for the General Contractor continue to support the wet well work when elevated scaffolding operations are in progress.



Installation of the FRP above ground duct sections and associated drain piping; along the biotrickling filter vessel.

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Installation of fabric duct on the west side of the wet well.



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- Demolition has been completed of new openings in Fan Room Nos. 1 and 2 for future installation of motorized dampers in conjunction with new drywell supply fans. New motorized dampers have been installed in the wall between each fan room and the main pump room. CSM has completed installation of round spiral industrial aluminum duct work in the southwest corner of the station and installed a new dry well supply fan #1. Supply fan #1 and associated VFD controls have been connected and the fan is currently operational. Plenum construction in fan room #1 is 95% complete; equipment demolition has commenced in fan room #2 in preparation for new rectangular industrial aluminum duct work and dry well supply fan #2. CSM has replaced 90% of the existing rectangular aluminum duct work towards fan room #2. Concrete equipment curbs will be placed in fan room #2 in early April in preparation for setting the dry wall supply fan #2 and construction of plenum rooms.
- A field order to add a water service control valve and gate well outside the station has been sent to CSM and installation was completed in late January 2020. A temporary bypass water line to feed make-up water to the station pumps is now demobilized., and the permanent water service, including a new gate valve and well, is complete. Crews have completed demolition of the existing 6-inch domestic water piping and installation of new ductile iron water pipe is ongoing. The new domestic water pipe installation is nearly 90% complete; DWSD crews are being scheduled to install the meter and a final connection remains. Crews have relocated two fire hydrants adjacent to the pumping station in preparation for driveway realignment. Work is also underway on preliminary rough grading for the site roadway pavement; final aggregate base and concrete paving work will tentatively be deleted from the Odor/Corrosion Control project and added to the upcoming Pump and Electrical Rehabilitation project. Final site grading will occur when favorable seasonal conditions allow this work to commence.
- DTE-Mich Con has completed installation of a new gas service, meter upgrade and manifold at the NESPS, which allows for increased output for the Heating Unit Nos. 1 and 2 and additional future capacity as required for additional heating equipment.
- The temporary Wet Well exhaust fans procured on a rental-purchase arrangement (refer to Change Order # 2, Item 2-1) have been demobilized as the permanent west supply fan is now in operation. Based on rental payments to date, it was determined that the outright purchase of the two units was appropriate, and the two fans will be inventoried within the NESPS and be readily available for future OMID DD use when required.

Summary of OMID Construction Contract Status:

Seg. No	Contract No. (Description)	Const. Comp?	As-Builts Final?	Balancing Change Order?	Contractor Closed Out?	Easements Settled?
1	Contract 1 (CS-9, 5, 3)	Y	Y	Y	Y	Y
1	Contract 2 (CS-6, 7, 8)	Y	Y	Y	Y	Y
2	Contract 3 (Gatehouse)	Y	Y	Y*	N*	N/A
2	Contract 3 (Grouting PCI-5 thru 8)	Y	Y	Y	N*	Y
3	Contract 4 (Lining PCI-5 thru 8)	Y	Y	Y	Y	Y
4	Contract 5 (Lining PCI-9, 10A/B)	Y	Y	Y	Y	N

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4	Contract 6 (Lining PCI-11A)	Y	Y	Y	Y	Y
N/A	Contract 7 (Lining 110' of NIEA)	Y	Y	Y	Y	N/A
N/A	Odor/Corrosion Control System	N	N	N	N	N/A

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

Transfer of NESPS & NIEA Maintenance & Repairs Status:

Amt Invoiced: \$140,345 thru March out of current \$353,000 ASI engineering budget; Does not include Metco budget for ongoing maintenance.

Schedule Status: Transfer Complete; follow-on tasks ongoing

Emergency Contingency Plan is being developed for pumping operations in the event of total power loss at NESPS or other catastrophic failure in the system:

- An Interim plan has been established and potential upstream emergency pumping locations identified. Drawings issued for procurement of contractor.
- Working on plan to energize (by temporary power) OMID Pump 4 in event of total power loss. Motor City is finalizing a quote to perform the work.
- Working to incorporate use of media and community communication in the event of emergency.

Additional work being performed under METCO Maintenance Contract:

- GLWA/OMIDDD technical issues are mostly resolved and/or plan is in place.
- Sanitary Pumps #2, #4, #5 and #6 ready for duty. (500 CFS Capacity)
- Coordination between GLWA, MID, MESPS Odor/Corrosion Control Project has not affected station operations nor hindered performance or abilities to meet demands.
- Sanitary Pump #1 remains out of service. GLWA and its subs have removed the motor from the station and has been sent offsite for repair.
- The Wet Well Dewatering Pump has a bad thrust bearing that needs replacement. Plans are underway to remove and repair.
- Wet well isolation knife gates are showing signs of wear. Seating abilities are becoming problematic. Kennedy and OMID are exploring means of replacing or refurbishing.
- DTE replaced and installed a new "Smart Meter" in switchgear cubical.
- Preventative Maintenance: Sanitary Pumps 5 and 6 Motor Maintenance performed.
- Switchgear Battery system maintenance and tested and completed.
- Switchgear Battery Charger Replacement: Rotor completed the new installation of one of two battery chargers.
- Crane repair: Kone Crane investigated and resolved an issue with crane operability.
- Detroit Elevator investigated and repaired a failed door switch which prevented operations for a few days. Monthly (February) maintenance completed.
- Detroit Elevator re-modification schedule on track for mid-June. METCO completed review on submittal drawings (elevator signal fixtures).

April 15, 2020 OMIDDD Board Meeting

- PM Technologies has staged equipment on site necessary to perform a scheduled Load Test on the Stand-by Generator system as part of preventative maintenance and completion of the overall condition assessment. Results of the test to be included in upcoming report.
- Final quote from PM Technologies expected on Stand-by Generator PLC.
- Re-lamping of blown blubs (LED) on lower dry well level planned.
- Wet-well Sediment Inspections - AEW on stand-by for the next opportunity to inspect. Inspections are contingent of several factors such as on-going MID operations and weather. So far two out of six required inspections have been completed. A slight increase in sediment levels on the Corridor side along with a small decrease in sediment levels on the Lakeshore side have been reported from the last Jan 3rd inspection.
- Wet-well Level Sensor Improvements - Plans to install new equipment to monitor wet-well level conditions on both Suction and Wet-well were discussed at OMID Gate Operations (BPM) best practice meeting 3-05-2020. Options such as stilling wells and transducers were discussed as viable solutions. Final plans are in the works.
- Removal of the unused electrical cabinetry that once housed the Wet Well Heating switchgear and controls has been completed by Motor City Electric crews, and the unit has been removed from the NESPS Dry Well Operating Floor for disposal.

OMID Control Structure Upgrades Status:

Amt Invoiced: \$37,835 to date; Total design and construction budget currently established as \$500,000 (including contingencies and admin/legal).

Schedule Status: Engineering/Design efforts complete; CSM approved by OMIDDD Board on 11/20/19. Kickoff Meeting held 1/8/2020

- MCE has drafted Programmable Logic Controller (PLC) changes for gate operation; ASI testing to be completed once access and position indicators are repaired.
- MCE provided report for Communication Upgrades at CS-5, 6, and 8; to be incorporated into the upgrades work.
- Level sensor upgrades (design/installation) are to be completed once access is completed.
- CSM continues procurement of long lead time items (East Jordan Access Hatches and Precast Concrete Risers).
- With respect to CS-5, the gate is currently out of service. HESCO plans to complete final repairs at CS-5 by mid-April 2020. Both gates are currently completely opened, isolated (locked out) with the HPU in standby to prevent any incidental movement. Both transducers (position transmitters) on Gates #1 and #2 have failed. No visibility on SCADA of gate positions. Repair is contingent on hatch modifications as noted.
- With respect to CS-6, it is functional but in various stages of deterioration per HESCO condition assessment. Most components are at end of life status. Critical spare parts and long lead items are a subject of attention. HESCO has developed an inventory list.
- With respect to CS-7, communication issues have become problematic over the last several storage events impacting support for the MID grouting operations but have been in working order since last report. MCE was requested to investigate and resolve. Multiple PLC failures

April 15, 2020 OMIDDD Board Meeting

were reported to be the cause. Limits and Scan Time changes in the PLC program were adjusted on 3-9-20. Details of the changes are on file. So far, no failures have been reported.

- Hesco reports that CS-8 is functional but in various stages of deterioration per HESCO condition assessment. Most components are at end of life status. Critical spare parts and long lead items are a subject of attention. HESCO has developed an inventory list.
- The **draft** line item schedule and budget are summarized:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractors)	Estimated Delivery Date
1	Draft PLC Mods by Metco, MCE, ASI			5/8/2019
2	Field Investigations (roof measurements, etc.)		TBD	5/30/2019
3	CS level sensors design (Metco)		TBD	7/29/2019
4	Comm. System Improvements (Metco)		TBD	8/31/2019
3	Test and implement			4/1/2020
4	50% Design Package			6/20/2019
5	95%, 100% Design Package			9/9/2019
6	Receive Bid(s) for cover mods			11/10/2019
7	Contract Award and NTP for cover mods			12/10/2019
8	Subtotal – Design	\$9,000 (ASI)		
9	PCI-5 Gate Repairs and final install of level sensors	TBD	TBD	3/31/2020
10	Substantial Completion of Construction			5/1/2020
11	Final Testing and Approval of PLC Mods	TBD	TBD	5/1/2020
12	Final Completion of Construction	\$11,000 (ASI)	\$300,000 (est.)	5/15/2020

OMID System Immediate Repairs Status:

Amt Invoiced: \$40,473 out of original total design budget of \$21,418; Total design and construction budget currently is established as \$1,352,801 (including contingencies and admin/legal).

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

- Doestch Environmental was awarded the contract at the November Board Meeting.
- Field work to begin mid to late April, pending work crew availability.
- The current **draft** line item schedule and budget for the OMID System Immediate Repair Project are summarized below:

April 15, 2020 OMIDDD Board Meeting

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

NIEA Repairs (Study and Design/Construction)

Amt Invoiced: \$1,096,006 out of currently projected study/design budget of \$2,331,800; Total design and construction budget currently is \$44,100,000 (including contingencies and admin/legal).

Schedule Status: Field investigations/Engineering/Design efforts are underway; Study 100 percent complete; design approximately 90 percent complete.

- Liner data collection and presentation tasks have been completed. A few linings are short-listed for further consideration in the RFTS as well as basis of design for repair of the deteriorated sections of the NI-EA. RFTS report under final review. The final RFTS report will be issued in April 2020.
- A workshop was held with GLWA representatives to discuss the Basis of Design in March 2020. More coordination meetings and discussions are coming in the near future. GLWA is supportive of the general approach for the project.
- The aerial survey of the interceptor alignment is complete. The survey crews have recorded the manhole elevations as well as control points necessary to compliment the aerial survey. Additional surveys were performed at proposed shaft locations.
- Issued a 75% Basis of Design report. Currently working to finalize the report by end of April 2020 (to coincide with 100% design).
- Environmental corridor report complete. Environmental Phase 2 study report draft issued with 90% design submittal; to be issued final with 100% design.
- MASW report and related geotechnical report complete and report issued.

April 15, 2020 OMIDDD Board Meeting

- Conducted a condition assessment investigation of the 7-Mile relief sewer, 12 ft. sewer at outer Drive, both adjacent to proposed shafts. Evaluation report is underway.
- Hydraulic model has been updated to evaluate flow control in PCI-4 and PCI-19 during rehabilitation efforts. A draft memorandum was issued to the OMIDDD for review; to be incorporated into final BOD.
- Permit coordination with municipal agencies are ongoing – City of Detroit, Wayne County, GLWA, and MDOT; to be incorporated into 100% design bid package.
- Prepared cost estimation for various liner options and an engineer's estimate of construction cost as well as a draft construction schedule.
- Submitted 90% design drawings and specifications on March 20, 2020. A 90% design workshop was held April 3, 2020. Determined to split into two construction contracts; design revisions ongoing towards next submittal – 100% design.
- The **draft** line item schedule and budget are summarized:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
1	Lining Study Evaluations & Draft Report			6/15/2019
2	Lining Study Final Report			10/30/2019
	Subtotal - Study	\$126,744		
3	Field Investigations (MASW, SUE, Survey, Geotech, Env. Inv)			10/30/19
4	Basis of Design Draft			9/30/2019
5	50% Design Package			8/30/2019
6	90%, 100% Design Package			3/20/2020 and 4/28/2020
7	MDEQ Submittal (Part 41)			4/28/2020
8	Issued for Bid			5/28/2020
9	Bid Opening			7/10/2020
10	Contract Award and NTP			10/12/2020 and 10/23/2020
	Subtotal - Design	\$2,205,063		
11	Final Completion of Construction	\$3,200,000	\$32,000,000	10/23/2022

NESPS Electrical and Mechanical Rehab

Budget Status:

\$845,631 out of current design budget of \$1,341,245; Total design and construction budget currently established as \$39,300,000 (including contingencies and admin/legal).

Schedule Status:

Engineering/Design efforts underway; approximately 60% complete; Pre-procurement packages being developed.

April 15, 2020 OMIDDD Board Meeting

The design team is working on the 60% total design package for review with the CMAR. With this effort, the following work is active:



NESPS Pump No. 5

- Pump and Motor size confirmation complete and review of approved manufacturer pump selections continues. Additional data requested from pump vendors on motor type and sizing was reviewed. Schedule and specification details have been vetted with manufacturers.
- Design and CMAR Team continues to review equipment with suppliers.
- Design and CMAR Team met to review the major equipment package developed for pre-procurement: These packages are: Pump and Motor, Major Electrical (Switchgear), and Knife Gate Valve. Each of these packages expected to be advertised in April 2020.
- Electrical gear design for new electrical building is ongoing.
- Architectural detailing of building is ongoing.
- HVAC and plumbing designs are ongoing.
- Site layout and improvements design, including updated security requirements, ongoing.
- Site plan was developed for site plan review and permitting.
- A review of alternative energy saving methods remains ongoing.
- Specifications for 60% design are in progress.
- The Design team and Walsh are working together to develop a sequence of construction, schedule, and design package arrangement. The schedule will be driven from this sequence being developed.
- Conducted a coordination meeting with GLWA to discuss advance of the design and construction program. Provided a Part 41 Supplemental package for review and authorization to submit to EGLE.
- Conducted further site visits to inspect the existing conditions of the equipment to assess replacement needs.
- Met with DTE to coordinate new power source tie-in and requirements for first contact equipment.
- Met with City of Detroit Permitting to review requirements for Site Plan approval. Produced a draft package of site and foundation drawings for team review.

April 15, 2020 OMIDDD Board Meeting

- Added a new task for environment and hazardous material testing on site. Work for these activities commenced.
- The **draft** line item schedule and budget are summarized:

Work Item/ Milestone	Estimated Budget	Estimated Budget	Estimated Delivery Date
1 Draft Basis of Design			5/3/2019
2 Final Basis of Design			5/31/2019
3 30% Design			8/27/2019
CMAR RFP			10/16/2019
4 60% Design			12/19/2019
CMAR Recommendation			11/20/2019
5a 90% Equipment Package Advertised			3/15/2020
Suction Gate Rehab			4/12/2020
Site Plan/Foundation			5/1/2020 (est)
Pumping Units			4/1/2020
Major Electrical			4/1/2020
7 MDEQ Submittal (Part 41 Permit)			4/8/2020 (initial pkg)
8 Issued for Bid – Final			6/15/2020
9 Notice to Proceed			6/15/2020
Subtotal - Design	\$1,519,275 (including		
10 Substantial Completion	\$2,500,000 (est.)	\$32,000,000 (est.)	3/1/2022
11 Final Completion	\$500,000 (est.)	\$5,000,000 (est.)	12/1/2022

Agenda Item No. 9

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

YTD Trial Balance

Fund: 84912 Oakland Macomb InterceptorSeg1

As of Fiscal Period: Month 6, 2020

Run By: WRC_REPORTING

Run: 04/06/2020 at 10:46 AM

Scope: 84912 Oakland Macomb InterceptorSeg1

ACCOUNT		YTD Balance Total Fund	OMID Odor- Corrosion Study Seg1 100000002892	YTD Balance
100100	Cash - Operating	23,981.30	23,981.30	23,981.30
104100	Accrued Interest on Investment	608.05	608.05	608.05
	Revenues	(1,329.41)	(1,329.41)	(1,329.41)
	Expenditures	82,775.74	82,775.74	82,775.74
	Special Items- Uses	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(106,035.68)	(106,035.68)	(106,035.68)
		0.00	(0.00)	0.00

SRF final draw received September 2013

Cash as of 02/29/2020 \$ 23,981.30

Invoices / Reimbursements on Current Agenda Impacting Cash Balance (14,163.86)

Total Net Cash Balance \$ 9,817.44

Water Resources Commissioner
PROJECT WORK IN PROGRESS
OMID Odor-Corrosion Study Seg1
100000002892
 (as of March 31, 2020)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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STD - Standard Operation

730639 - Engineering Services-Other	53,068.64	366,557.72	
Standard Operation TOTALS			
383,789.00	53,068.64	366,557.72	\$17,231.28

Project 100000002892 - OMID Odor-Corrosion Study Seg1			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$383,789.00	\$53,068.64	\$366,557.72	\$17,231.28
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
655077-Accrued Interest Adjustments	(\$45.17)	\$608.05	
655385-Income from Investments	\$171.14	\$6,750.02	
695500-Transfers In	\$0.00	\$266,792.12	
697551-Issuance of Bonds	\$0.00	\$116,996.88	
TOTAL REVENUE	\$125.97	\$391,147.07	
REVENUE OVER/(UNDER) EXPENSES		\$24,589.35	

YTD Trial Balance

Fund: 84914 Oakland Macomb InterceptorSeg3

As of Fiscal Period: Month 6, 2020

Run By: WRC_REPORTING

Run: 04/06/2020 at 10:47 AM

Scope: 84914 Oakland Macomb InterceptorSeg3

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg3 100000001557	YTD Balance
100100	Cash - Operating	25,137.57	25,137.57	25,137.57
104100	Accrued Interest on Investment	(358.33)	(358.33)	(358.33)
143100	Prepaid Expenses	891.00	891.00	891.00
211100	Due to Primary Government	(25.79)	(25.79)	(25.79)
	Revenues	(283.51)	(283.51)	(283.51)
	Expenditures	787.72	787.72	787.72
	Special Items- Uses	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(26,148.66)	(26,148.66)	(26,148.66)
		(0.00)	(0.00)	(0.00)

Cash as of 03/09/2020 \$ 25,137.57

Invoices / Reimbursements on Current Cash Balance 0.00

Total Net Cash Balance \$ 25,137.57

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb InterceptorSeg3

10000001557

(as of March 31, 2020)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730772 - Freight and Express		0.00	237.38	
730926 - Indirect Costs		0.00	87,973.15	
730940 - Insurance		0.00	374,816.24	
731521 - Public Services		0.00	72,238.27	
732018 - Travel and Conference		0.00	160.44	
771638 - Drain Equip Labor		0.00	216,953.03	
771639 - Drain Equipment		0.00	19,268.57	
Administration TOTALS				
	460,138.00	0.00	771,647.08	(\$311,509.08)
CONT - Contingency				
Contingency TOTALS				
	4,581,277.00	0.00	0.00	\$4,581,277.00
ENG - Engineering				
702000 - Salaries		0.00	37.74	
722000 - Fringe Benefits		0.00	-25.90	
730772 - Freight and Express		0.00	85.13	
731346 - Personal Mileage		0.00	528.54	
731521 - Public Services		0.00	41,759.18	
732018 - Travel and Conference		0.00	5,546.06	
750140 - Employee Footwear		0.00	75.00	
771638 - Drain Equip Labor		-245.88	616,829.06	
771639 - Drain Equipment		-17.36	62,210.13	
Engineering TOTALS				
	1,063,145.00	-263.24	727,044.94	\$336,100.06
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		0.00	12,856,549.06	
730940 - Insurance		0.00	2,435.63	
731458 - Professional Services		0.00	62,241.27	
Engineering Consultant TOTALS				
	12,471,892.00	0.00	12,921,225.96	(\$449,333.96)
FAC - Facility Acquisition				
731472 - Project Construction and Impr		0.00	50,234,735.34	
731521 - Public Services		0.00	2,240.68	
Facility Acquisition TOTALS				
	45,738,545.00	0.00	50,236,976.02	(\$4,498,431.02)
FRINGE_BENEFITS - Fringe Benefits				
722000 - Fringe Benefits		0.00	25.90	
Fringe Benefits TOTALS				
	0.00	0.00	25.90	(\$25.90)
INS - Inspection				
731521 - Public Services		0.00	37,329.11	
Inspection TOTALS				
	330,221.00	0.00	37,329.11	\$292,891.89
LEGAL - Legal and Financial				

Water Resources Commissioner
PROJECT WORK IN PROGRESS
Oakland Macomb InterceptorSeg3
100000001557
(as of March 31, 2020)

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

ROW - Right of Way

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

Project 100000001557 - Oakland Macomb InterceptorSeg3			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$68,393,724.00	(\$263.24)	\$68,538,845.18	(\$145,121.18)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$3,253,724.00	
631827-Reimb General	\$0.00	\$43,882.94	
655077-Accrued Interest Adjustments	(\$14.58)	(\$358.33)	
655385-Income from Investments	\$55.25	\$127,241.02	
697753-State Revolving Fund Loans	\$0.00	\$65,140,000.00	
TOTAL REVENUE	\$40.67	\$68,564,489.63	
REVENUE OVER/(UNDER) EXPENSES		\$25,644.45	

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg4 100000001913	NESPS Pump Install Seg4 100000002041	OMI NESPS GATEHOUSE SEG4 100000002232	NESPS Odor Corrosion Stdy Seg4 100000002708	YTD Balance
100100	Cash - Operating	3,366,902.09	3,217,058.21	7,978.67	35,668.30	106,196.91	3,366,902.09
104100	Accrued Interest on Investment	44,337.42	44,337.42	0.00	0.00	0.00	44,337.42
211100	Due to Primary Government	(18,184.39)	(12,400.01)	0.00	0.00	(5,784.38)	(18,184.39)
	Revenues	(58,898.38)	1,318,601.62	0.00	0.00	(1,377,500.00)	(58,898.38)
697551	Issuance of Bonds	0.00	1,522,500.00	0.00	0.00	(1,522,500.00)	0.00
	Expenditures	2,090,208.15	34,250.08	0.00	45,344.54	2,010,613.53	2,090,208.15
	Special Items- Uses	0.00	0.00	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(5,424,364.89)	(6,124,347.32)	(7,978.67)	(81,012.84)	788,973.94	(5,424,364.89)
		0.00	(0.00)	0.00	0.00	0.00	0.00

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

Cash as of 02/29/2020	\$	3,366,902.09
Invoices/Reimbursements for Seg 4 on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS Gatehouse on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS NIEA-East Arm on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS Odor Corrosion Study on Current Agenda impacting Cash Balance		(37,058.82)
Total Net Cash Balance	\$	<u>3,329,843.27</u>

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb InterceptorSeg4

100000001913

(as of March 31, 2020)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730926 - Indirect Costs		0.00	59,001.44	
730940 - Insurance		0.00	67,871.13	
731115 - Licenses and Permits		0.00	320,000.00	
731521 - Public Services		0.00	14,235.58	
732165 - Workshops and Meeting		0.00	29.66	
771638 - Drain Equip Labor		0.00	4,607.71	
771639 - Drain Equipment		0.00	269.47	
Administration TOTALS				
	390,165.00	0.00	466,014.99	(\$75,849.99)
ENG - Engineering				
731346 - Personal Mileage		1,018.33	9,612.72	
731521 - Public Services		0.00	40,605.00	
771638 - Drain Equip Labor		10,673.05	732,306.33	
771639 - Drain Equipment		852.78	80,784.38	
Engineering TOTALS				
	484,153.00	12,544.16	863,308.43	(\$379,155.43)
ENGCON - Engineering Consultant				
730639 - Engineering Services-Other		0.00	3,594,242.60	
731073 - Legal Services		0.00	108.00	
Engineering Consultant TOTALS				
	3,275,248.00	0.00	3,594,350.60	(\$319,102.60)
FAC - Facility Acquisition				
731472 - Project Construction and Impr		0.00	14,058,313.68	
731521 - Public Services		0.00	6,798.84	
750294 - Material and Supplies		0.00	228.00	
Facility Acquisition TOTALS				
	15,225,614.00	0.00	14,065,340.52	\$1,160,273.48
INS - Inspection				
730373 - Contracted Services		0.00	473.03	
731521 - Public Services		0.00	16,935.91	
Inspection TOTALS				
	17,408.00	0.00	17,408.94	(\$0.94)
LEGAL - Legal and Financial				
730639 - Engineering Services-Other		0.00	8,398.96	
730940 - Insurance		0.00	54,526.58	
731073 - Legal Services		0.00	124,753.11	
793938 - Discount on Bonds		0.00	6,964.10	
Legal and Financial TOTALS				
	191,321.00	0.00	194,642.75	(\$3,321.75)
ROW - Right of Way				
731563 - Recording Fees		0.00	50.67	
Right of Way TOTALS				
	0.00	0.00	50.67	(\$50.67)

Water Resources Commissioner
PROJECT WORK IN PROGRESS
Oakland Macomb InterceptorSeg4
100000001913
 (as of March 31, 2020)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
Project 100000001913 - Oakland Macomb InterceptorSeg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$19,583,909.00	\$12,544.16	\$19,201,116.90	\$382,792.10
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	(\$190,000.00)	\$9,823,229.40	
615572-State Capital Grants	\$0.00	\$1,105,350.77	
655077-Accrued Interest Adjustments	(\$2,476.37)	\$44,337.42	
655385-Income from Investments	\$9,381.74	\$631,448.33	
697551-Issuance of Bonds	(\$210,000.00)	\$2,355,746.60	
697753-State Revolving Fund Loans	\$0.00	\$8,490,000.00	
TOTAL REVENUE	(\$393,094.63)	\$22,450,112.52	
REVENUE OVER/(UNDER) EXPENSES		\$3,248,995.62	

Water Resources Commissioner
PROJECT WORK IN PROGRESS
NESPS Pump Install Seg4
100000002041
 (as of March 31, 2020)

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

730926 - Indirect Costs	0.00	535.47	
Administration TOTALS			
5,000.00	0.00	535.47	\$4,464.53

ENG - Engineering

771638 - Drain Equip Labor	0.00	9,128.98	
771639 - Drain Equipment	0.00	387.33	
Engineering TOTALS			
15,000.00	0.00	9,516.31	\$5,483.69

ENGCON - Engineering Consultant

730639 - Engineering Services-Other	0.00	181,969.55	
Engineering Consultant TOTALS			
200,000.00	0.00	181,969.55	\$18,030.45

FAC - Facility Acquisition

Facility Acquisition TOTALS			
3,268,155.00	0.00	0.00	\$3,268,155.00

Project 100000002041 - NESPS Pump Install Seg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$3,488,155.00	\$0.00	\$192,021.33	\$3,296,133.67
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$200,000.00	
TOTAL REVENUE	\$0.00	\$200,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$7,978.67	

Water Resources Commissioner
PROJECT WORK IN PROGRESS
OMI NESPS GATEHOUSE SEG4
100000002232
(as of March 31, 2020)

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

730926 - Indirect Costs	0.00	852.60	
771638 - Drain Equip Labor	0.00	53.43	

Administration TOTALS

9,472.00	0.00	906.03	\$8,565.97
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CONT - Contingency
Contingency TOTALS

93,209.00	0.00	0.00	\$93,209.00
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ENG - Engineering

771638 - Drain Equip Labor	739.58	9,409.47	
771639 - Drain Equipment	21.86	436.52	

Engineering TOTALS

59,699.00	761.44	9,845.99	\$49,853.01
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ENGCON - Engineering Consultant

730639 - Engineering Services-Other	1,631.21	1,244,764.18	
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Engineering Consultant TOTALS

496,981.00	1,631.21	1,244,764.18	(\$747,783.18)
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FAC - Facility Acquisition

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

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

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

Inspection TOTALS

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

731073 - Legal Services	0.00	1,213.00	
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Legal and Financial TOTALS

6,000.00	0.00	1,213.00	\$4,787.00
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Project 100000002232 - OMI NESPS GATEHOUSE SEG4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$4,418,998.00	\$2,392.65	\$4,714,331.70	(\$295,333.70)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$2,434,988.28	
697551-Issuance of Bonds	\$0.00	\$2,315,011.72	
TOTAL REVENUE	\$0.00	\$4,750,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$35,668.30	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

100000002708

(as of March 31, 2020)

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

730926 - Indirect Costs	0.00	5,784.38	
Administration TOTALS			
188,148.00	0.00	5,784.38	\$182,363.62

CONT - Contingency

Contingency TOTALS			
637,000.00	0.00	0.00	\$637,000.00

ENG - Engineering

771638 - Drain Equip Labor	4,295.80	87,555.36	
771639 - Drain Equipment	152.09	3,284.64	
Engineering TOTALS			
206,253.00	4,447.89	90,840.00	\$115,413.00

ENGCON - Engineering Consultant

730373 - Contracted Services	38,531.46	380,208.92	
730639 - Engineering Services-Other	0.00	59,195.44	
Engineering Consultant TOTALS			
1,073,000.00	38,531.46	439,404.36	\$633,595.64

FAC - Facility Acquisition

730352 - Construction	0.00	496,066.40	
731472 - Project Construction and Impr	395,607.13	1,570,528.69	
Facility Acquisition TOTALS			
4,600,000.00	395,607.13	2,066,595.09	\$2,533,404.91

INS - Inspection

771638 - Drain Equip Labor	20,470.13	106,209.44	
771639 - Drain Equipment	2,914.75	17,237.07	
Inspection TOTALS			
190,343.00	23,384.88	123,446.51	\$66,896.49

LEGAL - Legal and Financial

Legal and Financial TOTALS			
15,000.00	0.00	0.00	\$15,000.00

ROW - Right of Way

Right of Way TOTALS			
46,000.00	0.00	0.00	\$46,000.00

STD - Standard Operation

730352 - Construction	0.00	198,018.10	
730373 - Contracted Services	0.00	600,395.51	
730926 - Indirect Costs	0.00	1,864.90	
730940 - Insurance	0.00	139,930.93	
731073 - Legal Services	0.00	1,744.00	
731472 - Project Construction and Impr	0.00	51,390.00	
731906 - Testing Services	6,450.99	29,397.53	
771638 - Drain Equip Labor	0.00	1,419.02	
771639 - Drain Equipment	0.00	357.14	
Standard Operation TOTALS			
38,010.00	6,450.99	1,024,517.13	(\$986,507.13)

Water Resources Commissioner
PROJECT WORK IN PROGRESS
NESPS Odor Corrosion Stdy Seg4
100000002708
 (as of March 31, 2020)

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

Project 100000002708 - NESPS Odor Corrosion Stdy Seg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$7,004,000.00	\$468,422.35	\$3,750,587.47	\$3,253,412.53
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$190,000.00	\$1,781,758.32	
697551-Issuance of Bonds	\$210,000.00	\$2,069,241.68	
TOTAL REVENUE	\$400,000.00	\$3,851,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$100,412.53	

**County of Oakland
OMIDD Maintenance Fund
Statement of Net Position
March 31, 2020**

ASSETS

Current assets:

Cash	\$ 24,715,807.20
Accrued interest receivable	81,489.79
Accounts receivable	300,000.00
Due from municipalities	4,585,548.67
Prepaid Expenses	500.00
 Total assets	 <u>\$ 29,683,345.66</u>

LIABILITIES

Current liabilities:

Vouchers payable	5,863,363.39
Deposits	1,250.00
Due to Primary Government	635.42
Total current liabilities	<u>5,865,248.81</u>
 Total liabilities	 <u>\$ 5,865,248.81</u>

NET POSITION

FB Major Maint Reserve	3,072,355.20
FB Capital Improvement Reserve	5,077,056.42
FB Restricted Programs	15,668,685.23
Total net position	<u><u>\$ 23,818,096.85</u></u>

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

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

Fund	Description	Major Maintenance	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	3,072,355.20	5,077,056.42	15,668,685.23		23,818,096.85
84912	OMIDD Seg 1					
	- Project 1-2892 Odor Corrosion Study				24,589.35	24,589.35
84914	OMIDD Seg 3					
	- Project 1-1557 Interceptor Seg 3				25,644.45	25,644.45
84915	OMIDD Seg 4					
	- Project 1-1913 Interceptor Seg 4				3,248,995.62	3,248,995.62
	- Project 1-2041 NESPS Pump Install				7,978.67	7,978.67
	- Project 1-2232 NESPS Gatehouse				35,668.30	35,668.30
	- Project 1-2708 NESPS Odor Corrosion Study				100,412.53	100,412.53
Total Equity in Maintenance and Construction Funds						<u>27,261,385.77</u>

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

County of Oakland
Oakland Macomb InterceptorCh21 Fund
Statement of Revenues, Expenses, and Changes in Net Position
For the Six Months Ended March 31, 2020
50% of The Year Complete

	Amended Budget	Actual	Favorable (Unfavorable)	YTD % of Budget
Operating revenues				
Plan Review Fees	\$ -	\$ 500.00	\$ 500.00	No Budget
Sewage Disposal Services	81,107,830.00	40,553,914.74	(40,553,915.26)	50.00%
Refund Prior Years Expenditure	0.00	1,677,950.01	1,677,950.01	No Budget
Total operating revenue:	<u>81,107,830.00</u>	<u>42,232,364.75</u>	<u>(38,875,465.25)</u>	<u>52.07%</u>
Operating expenses				
Contractual services				
Adj Prior Years Exp	0.00	1,583.90	(1,583.90)	No Budget
Bond Issuing Cost	0.00	23,993.55	(23,993.55)	No Budget
Contracted Services	5,404,570.00	294,519.18	5,110,050.82	5.45%
Electrical Service	807,780.00	328,738.28	479,041.72	40.70%
Engineering Services-Other	0.00	882,595.34	(882,595.34)	No Budget
Equipment Maintenance	0.00	136,436.86	(136,436.86)	No Budget
Equipment Repair	500,000.00	131,868.59	368,131.41	26.37%
Freight and Express	0.00	50.01	(50.01)	No Budget
Garbage and Rubbish Disposal	12,000.00	0.00	12,000.00	0.00%
Grounds Maintenance	25,000.00	0.00	25,000.00	0.00%
Insurance	1,127,300.00	784,433.35	342,866.65	69.59%
Legal Services	350,000.00	(4,277.00)	354,277.00	-1.22%
Natural Gas	80,000.00	5,799.17	74,200.83	7.25%
Prof Svc-Consultant	0.00	13,588.16	(13,588.16)	No Budget
Professional Services	0.00	6,236.19	(6,236.19)	No Budget
Public Services	60,000.00	25,162.50	34,837.50	41.94%
Sewage Disposal Services	69,046,600.00	28,769,416.74	40,277,183.26	41.67%
Software Support Maintenance	10,500.00	0.00	10,500.00	0.00%
Special Projects	0.00	11,920,000.00	(11,920,000.00)	No Budget
Travel and Conference	20,000.00	0.00	20,000.00	0.00%
Water and Sewage Charges	125,210.00	0.00	125,210.00	0.00%
Workshops and Meeting	0.00	585.41	(585.41)	No Budget
Total contractual services	<u>77,568,960.00</u>	<u>43,320,730.23</u>	<u>34,248,229.77</u>	<u>55.85%</u>
Commodities				
Material and Supplies	<u>3,260.00</u>	<u>3,556.80</u>	<u>(296.80)</u>	<u>109.10%</u>
Total commodities	<u>3,260.00</u>	<u>3,556.80</u>	<u>(296.80)</u>	<u>109.10%</u>
Internal services				
Drain Equip Materials	180.00	0.00	180.00	0.00%
Drain Equip Labor	87,330.00	110,316.50	(22,986.50)	126.32%
Drain Equipment	1,540.00	4,697.53	(3,157.53)	305.03%
Telephone Communications	<u>10,500.00</u>	<u>0.00</u>	<u>10,500.00</u>	<u>0.00%</u>
Total internal services	<u>99,550.00</u>	<u>115,014.03</u>	<u>(15,464.03)</u>	<u>115.53%</u>
Total operating expense	<u>77,671,770.00</u>	<u>43,439,301.06</u>	<u>34,232,468.94</u>	<u>55.93%</u>
Operating income (loss)	<u>3,436,060.00</u>	<u>(1,206,936.31)</u>	<u>(4,642,996.31)</u>	<u>-284.69%</u>
Nonoperating revenues (expenses)				
Special Assessments	0.00	6,761,333.92	6,761,333.92	No Budget
Issuance of Bonds	0.00	5,205,000.00	5,205,000.00	No Budget
Income from investments	<u>201,210.00</u>	<u>149,796.28</u>	<u>(51,413.72)</u>	<u>74.45%</u>
Total nonoperating revenues (expenses)	<u>201,210.00</u>	<u>12,116,130.20</u>	<u>11,914,920.20</u>	<u>6021.63%</u>
Income (loss) before transfer	<u>3,637,270.00</u>	<u>10,909,193.89</u>	<u>7,271,923.89</u>	<u>299.93%</u>
Transfers in	0.00	0.00		
Transfers out	<u>0.00</u>	<u>0.00</u>		
Change in net position	<u>\$ 3,637,270.00</u>	<u>10,909,193.89</u>	<u>\$ 7,271,923.89</u>	<u>299.93%</u>
Net Position - beginning		<u>12,908,902.96</u>		
Net Position - ending		<u>\$ 23,818,096.85</u>		

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMI DD Meeting Date 04/15/2020

		84912	84914	84915	84915	84915	84915	84915	82912	
		1-2892	1-1557	1-1913	1-2041	1-2232	1-2232	1-2708		
Payable To	Invoice #	Segment 1 - OMID Odor Corrosion Study	Segment 3	Segment 4	Segment 4 - NESPS Pump Install	Segment 4 - NESPS Gate House	Segment 4 - NIEA East Arm	Segment 4 - NESPS Odor Corrosion Study	Oppérations & Maintanence	Total
Oakland County *	WRC Labor/Fringes/Non-direct Labor			8,817.30				16,661.06		\$25,478.36
Oakland County *	WRC Equipment			674.68				2,020.07		\$2,694.75
Oakland County *	WRC Mileage/Parking			465.75						\$465.75
Macomb County	Invoice # APR200072 Personnel and various vendor reimbursement								8,371.51	\$8,371.51
Applied Scienceec Inc.	Invoice #14 (ASI Inv. #7558) Work Through 03/28/2020								121,170.61	\$121,170.61
CH2M - LG Design, Inc	Invoice # 705773CH015							36,250.94		\$36,250.94
CSM Mechanical LLC	200MIDD001 Floor Drain Repir 1/16/20								682.37	\$682.37
Comerica (Pcard)	Grainger 3/6/20 (1-First Aid / 2-Eye Wash / 2-Cold Pack								104.62	\$104.62
CDM Smith	Invoice # 90096249 Service Through 3/28/20								7,324.63	\$7,324.63
Dickenson Wright PLLC	Invoice # 1455401 Matter 012840-00418 Service through 2/29/20								875.00	\$875.00
Dickenson Wright PLLC	Invoice # 1455403 Matter 012840-00424 Service through 3/5/20								420.00	\$420.00
Jacobs CH2M Hill Engineers Inc.	Invoice # 697317CH # 19 Through 3/27/20	14,163.86								\$14,163.86
Kennedy Industries	Invoice # 617137 - NESPS, Pump #2 Field Service On Site 3/20/20								1,989.00	\$1,989.00
METCO	Invoice # 1811-15 Through 3/29/20								38,617.63	\$38,617.63
NTH Consultants	Inv # 06 - OMIDD NESPS Corrosion Control System Services Through 03/27/20							807.88		\$807.88
NTH Consultants	Inv # 10 - OMIDD NI-EA Rehab Services Through 03/27/20								219,002.39	\$219,002.39
NTH Consultants	Inv # 14 - OMIDD System Immediate Repair Service Through 03/27/20								380.65	\$380.65
PM Technologies	Invoice # 0000134618 Professional Services1/29/20 Generator 1								645.00	\$645.00
PM Technologies	Invoice # 0000134616 Professional Services12/06/20 Generator 2								300.00	\$300.00
PM Technologies	Invoice # 0000136253 Professional Services 3/10/20 Generator 1								5,750.00	\$5,750.00
PM Technologies	Invoice # 0000136254 Professional Services 3/11/20 Generator 2								5,750.00	\$5,750.00
PM Technologies	Invoice # 0000136256 Professional Services 3/12/20 Generator 3								5,750.00	\$5,750.00
Rotor Electric Co.	Invoice # 12305 Switchgear Maint. & Testing 02/21/19								2,449.50	\$2,449.50
Rotor Electric Co.	Invoice # 12306 Switchgear Maint. & Testing 03/04/20								2,777.42	\$2,777.42
Rotor Electric Co.	Invoice # 12307 Switchgear Maint. & Testing 08/16/19								34,179.70	\$34,179.70
Rotor Electric Co.	Invoice # 12308 Switchgear Maint. & Testing 3/19/20								258.00	\$258.00
Select Medical	Heart Start AED and medical supplies for NESPS								1,104.71	\$1,104.71
WalshConstruction Company	Invoice # 220008 Through 3/27/20								109,334.00	\$109,334.00
Total Invoices/Reimbursements for Approval		\$14,163.86	\$0.00	\$9,957.73	\$0.00	\$0.00	\$0.00	\$55,739.95	\$567,236.74	\$647,098.28
	* Less WRC Charges already paid from OMI Fund	0.00	0.00	(9,957.73)		0.00	0.00	(18,681.13)	0.00	(28,638.86)
	** Less amount being paid from Retainage Account									0.00
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board		\$14,163.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37,058.82	\$567,236.74	\$618,459.42

Agenda Item No. 10

Invoices

Internal Reconciliation for the 04/15/2020 OMI Meeting

		Amount from Previous OMI Meeting CIP Report (03/18/2020 mtg)	WRC Labor, Fringes, Non-Direct Labor Factor, and Equipment presented to 04/15/2020 Mtg	*Rounding adjustment due to CAMS Upgrade	WRC LTD as of the CIP Report for the 04/15/2020 Mtg
Activity	Account Name				
ADM	SALARIES	\$0.00			\$0.00
ADM	SALARIES - NPF	\$0.00			\$0.00
ADM	EQUIP RENTAL (drain equip from Prelim Proj)	\$0.00			\$0.00
ADM	DRAIN EQUIP LABOR	\$4,607.71			\$4,607.71
ADM	DRAIN EQUIP	\$269.47			\$269.47
ENG	SALARIES	\$0.00			\$0.00
ENG	SALARIES - NPF	\$0.00			\$0.00
ENG	EQUIP RENTAL (drain equip from Prelim Proj)	\$0.00			\$0.00
ENG	PERSONAL MILEAGE	\$9,474.68	\$ 465.75		\$9,940.43
ENG	DRAIN EQUIP LABOR	\$723,503.07	\$ 8,817.30		\$732,320.37
ENG	DRAIN EQUIP	\$89,499.75	\$ 674.68		\$90,174.43
INS	SALARIES	\$0.00			\$0.00
INS	SALARIES - NPF	\$0.00			\$0.00
INS	EQUIP RENTAL (drain equip from Prelim Proj)	\$0.00			\$0.00
INS	DRAIN EQUIP LABOR	\$0.00			\$0.00
INS	DRAIN EQUIP	\$0.00			\$0.00
ROW	SALARIES	\$0.00			\$0.00
ROW	SALARIES - NPF	\$0.00			\$0.00
ROW	EQUIP RENTAL (drain equip from Prelim Proj)	\$0.00			\$0.00
ROW	DRAIN EQUIP LABOR	\$0.00			\$0.00
ROW	DRAIN EQUIP	\$0.00			\$0.00
FRINGE_BENEFITS	total FBs	\$0.00			\$0.00
		\$813,883.68	\$ 9,957.73	\$0.00	\$837,312.41

Detailed Query info worksheets

WRC Labor/Fringes/Non-Direct Labor Factor	\$ 8,817.30
WRC Equipment	\$ 674.68
mileage/parking w/s	\$ 465.75
unassigned equip w/s	\$ -
	\$9,957.73
Difference between Project in Progress Report and Query Detail	\$0.00

OMI Segment 4 Project - WRC Equipment Charges for Trans Dates - 02/29/2020 - 03/27/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipmen	Cost Category	Project	Activity
834323	03/12/2020	03/02/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/02/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/02/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/02/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/12/2020	03/03/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/03/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/03/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/03/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/12/2020	03/04/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/04/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/04/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/04/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/12/2020	03/05/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/05/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/05/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/05/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/12/2020	03/06/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/06/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/06/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/06/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/12/2020	03/09/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/09/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/09/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/09/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/12/2020	03/10/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/10/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/10/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/10/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/12/2020	03/11/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/11/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/11/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/11/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/12/2020	03/12/2020	LOCKHART, SIDNEY	4.00	\$22.76	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/12/2020	03/12/2020	LOCKHART, SIDNEY	4.00	\$1.60	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/12/2020	LOCKHART, SIDNEY	4.00	\$9.36	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/12/2020	LOCKHART, SIDNEY	4.00	\$1.00	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/27/2020	03/17/2020	LOCKHART, SIDNEY	3.00	\$17.07	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/27/2020	03/17/2020	LOCKHART, SIDNEY	3.00	\$1.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/27/2020	03/17/2020	LOCKHART, SIDNEY	3.00	\$7.02	ASSIGNED	PC/Computer	1000000	ENG
834323	03/27/2020	03/17/2020	LOCKHART, SIDNEY	3.00	\$0.75	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/27/2020	03/18/2020	LOCKHART, SIDNEY	3.00	\$17.07	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/27/2020	03/18/2020	LOCKHART, SIDNEY	3.00	\$1.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/27/2020	03/18/2020	LOCKHART, SIDNEY	3.00	\$7.02	ASSIGNED	PC/Computer	1000000	ENG
834323	03/27/2020	03/18/2020	LOCKHART, SIDNEY	3.00	\$0.75	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/27/2020	03/19/2020	LOCKHART, SIDNEY	3.00	\$17.07	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/27/2020	03/19/2020	LOCKHART, SIDNEY	3.00	\$1.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/27/2020	03/19/2020	LOCKHART, SIDNEY	3.00	\$7.02	ASSIGNED	PC/Computer	1000000	ENG
834323	03/27/2020	03/19/2020	LOCKHART, SIDNEY	3.00	\$0.75	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/27/2020	03/23/2020	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/27/2020	03/23/2020	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	1000000	ENG
834323	03/27/2020	03/23/2020	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	1000000	ENG
834323	03/27/2020	03/23/2020	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/27/2020	03/24/2020	LOCKHART, SIDNEY	3.00	\$17.07	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/27/2020	03/24/2020	LOCKHART, SIDNEY	3.00	\$1.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/27/2020	03/24/2020	LOCKHART, SIDNEY	3.00	\$7.02	ASSIGNED	PC/Computer	1000000	ENG
834323	03/27/2020	03/24/2020	LOCKHART, SIDNEY	3.00	\$0.75	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/27/2020	03/26/2020	LOCKHART, SIDNEY	3.00	\$17.07	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/27/2020	03/26/2020	LOCKHART, SIDNEY	3.00	\$1.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/27/2020	03/26/2020	LOCKHART, SIDNEY	3.00	\$7.02	ASSIGNED	PC/Computer	1000000	ENG
834323	03/27/2020	03/26/2020	LOCKHART, SIDNEY	3.00	\$0.75	ASSIGNED	Tablet/iPad	1000000	ENG
834323	03/27/2020	03/27/2020	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	03/27/2020	03/27/2020	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	1000000	ENG
834323	03/27/2020	03/27/2020	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	1000000	ENG
834323	03/27/2020	03/27/2020	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	1000000	ENG
			LOCKHART, SIDNEY Total		\$477.40				
834323	03/12/2020	03/02/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG

Equip

834323	03/12/2020	03/02/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/03/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/03/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/04/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/04/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/06/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/06/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/09/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/09/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/10/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/10/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/11/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/11/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/12/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/12/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	03/12/2020	03/13/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	03/12/2020	03/13/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
			POUSHO, ROBERT Total		\$197.28				
			Grand Total		\$674.68				

OMI Segment 4 Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 02/29/2020 - 03/27/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
834323	03/12/2020	03/02/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/12/2020	03/03/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/12/2020	03/04/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/12/2020	03/05/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/12/2020	03/06/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/12/2020	03/09/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/12/2020	03/10/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/12/2020	03/11/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/12/2020	03/12/2020	LOCKHART, SIDNEY	4.00	\$491.76	REGULAR	WRCADM	100000001913	ENG
834323	03/27/2020	03/17/2020	LOCKHART, SIDNEY	3.00	\$368.82	REGULAR	WRCADM	100000001913	ENG
834323	03/27/2020	03/18/2020	LOCKHART, SIDNEY	3.00	\$368.82	REGULAR	WRCADM	100000001913	ENG
834323	03/27/2020	03/19/2020	LOCKHART, SIDNEY	3.00	\$368.82	REGULAR	WRCADM	100000001913	ENG
834323	03/27/2020	03/23/2020	LOCKHART, SIDNEY	2.00	\$245.88	REGULAR	WRCADM	100000001913	ENG
834323	03/27/2020	03/24/2020	LOCKHART, SIDNEY	3.00	\$368.82	REGULAR	WRCADM	100000001913	ENG
834323	03/27/2020	03/26/2020	LOCKHART, SIDNEY	3.00	\$368.82	REGULAR	WRCADM	100000001913	ENG
834323	03/27/2020	03/27/2020	LOCKHART, SIDNEY	2.00	\$245.88	REGULAR	WRCADM	100000001913	ENG
			LOCKHART, SIDNEY Total		\$6,761.70				
834323	03/12/2020	03/02/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	03/12/2020	03/03/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	03/12/2020	03/04/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	03/12/2020	03/06/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	03/12/2020	03/09/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	03/12/2020	03/10/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	03/12/2020	03/11/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	03/12/2020	03/12/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	03/12/2020	03/13/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
			POUSHO, ROBERT Total		\$2,055.60				
			Grand Total		\$8,817.30				

Acctg Date	Fund	Fund Description	Project	Project Description	Activity	Descr	Sum BU Amount
3/13/2020	84915	Oakland Macomb Interceptor Seg 4	100000001913	Oakland Macomb Interceptor Seg 4	ENG	Pousho 810 miles 03-20-2020	\$ 465.75
							<u>\$ 465.75</u>

Internal Reconciliation for the 04/15/2020 OMI Meeting

Activity	Account Name	Amount from Previous OMI Meeting CIP Report (03/18/2020 mtg)	WRC Labor, Fringes, Non-Direct Labor Factor, and Equipment presented to 04/15/2020 Mtg	WRC LTD as of the CIP Report for the 04/15/2020 Mtg
ENG / STD / INS	DRAIN EQUIP LABOR	\$ 178,579.76	\$ 16,661.06	\$ 195,240.82
ENG / STD / INS	DRAIN EQUIP	\$ 18,799.04	\$ 2,020.07	\$ 20,819.11
		<u>\$ 153,472.49</u>	<u>\$ 18,681.13</u>	<u>\$ 172,153.62</u>

Detailed Query info worksheets

WRC Labor/Fringes/Non-Direct Labor Factor	\$ 16,661.06
WRC Equipment	\$ 2,020.07
mileage/parking w/s	\$ -
unassigned equip w/s	\$ -
	<u>\$18,681.13</u>
Difference between Project in Progress Report and Query Detail	\$0.00

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 02/29/2020 - 03/27/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
895939	03/13/2020	03/03/2020	BANTIOS, EVAGELOS	1.00	\$100.91	OVERTIME	WRCWMA	100000002708	ENG
895939	03/13/2020	03/03/2020	BANTIOS, EVAGELOS	4.00	\$355.88	REGULAR	WRCWMA	100000002708	ENG
895939	03/13/2020	03/04/2020	BANTIOS, EVAGELOS	1.00	\$88.97	REGULAR	WRCWMA	100000002708	ENG
			BANTIOS, EVAGELOS Total		\$545.76				
864521	03/02/2020	02/27/2020	BROWN, JOEL	2.00	\$207.82	REGULAR	WRCCON	100000002708	ENG
864521	03/02/2020	02/28/2020	BROWN, JOEL	1.00	\$103.91	REGULAR	WRCCON	100000002708	ENG
864521	03/16/2020	03/02/2020	BROWN, JOEL	3.00	\$311.73	REGULAR	WRCCON	100000002708	ENG
864521	03/16/2020	03/03/2020	BROWN, JOEL	4.00	\$415.64	REGULAR	WRCCON	100000002708	ENG
864521	03/16/2020	03/05/2020	BROWN, JOEL	2.50	\$259.78	REGULAR	WRCCON	100000002708	ENG
864521	03/16/2020	03/09/2020	BROWN, JOEL	1.00	\$103.91	REGULAR	WRCCON	100000002708	ENG
864521	03/16/2020	03/10/2020	BROWN, JOEL	4.00	\$415.64	REGULAR	WRCCON	100000002708	ENG
864521	03/16/2020	03/11/2020	BROWN, JOEL	1.00	\$103.91	REGULAR	WRCCON	100000002708	ENG
864521	03/16/2020	03/12/2020	BROWN, JOEL	0.50	\$51.96	REGULAR	WRCCON	100000002708	ENG
864521	03/16/2020	03/13/2020	BROWN, JOEL	1.00	\$103.91	REGULAR	WRCCON	100000002708	ENG
			BROWN, JOEL Total		\$2,078.21				
866220	03/03/2020	03/02/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/03/2020	03/03/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/05/2020	03/04/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/05/2020	03/05/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/06/2020	03/06/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/10/2020	03/09/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/10/2020	03/10/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/11/2020	03/11/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/13/2020	03/13/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/17/2020	03/16/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/17/2020	03/17/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/18/2020	03/18/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/19/2020	03/19/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/20/2020	03/20/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/23/2020	03/23/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/24/2020	03/24/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/25/2020	03/25/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	03/26/2020	03/26/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
			CODE, JEFFREY Total		\$1,230.66				
864521	03/27/2020	03/17/2020	LOCKHART, SIDNEY	2.00	\$245.88	REGULAR	WRCADM	100000002708	ENG
864521	03/27/2020	03/19/2020	LOCKHART, SIDNEY	2.00	\$245.88	REGULAR	WRCADM	100000002708	ENG
864521	03/27/2020	03/25/2020	LOCKHART, SIDNEY	2.00	\$245.88	REGULAR	WRCADM	100000002708	ENG
			LOCKHART, SIDNEY Total		\$737.64				
866220	03/02/2020	03/02/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/05/2020	03/03/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/05/2020	03/04/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/06/2020	03/05/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/06/2020	03/06/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/09/2020	03/09/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/10/2020	03/10/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/11/2020	03/11/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/13/2020	03/12/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/13/2020	03/13/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/17/2020	03/16/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/17/2020	03/17/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/19/2020	03/18/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/19/2020	03/19/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/20/2020	03/20/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/23/2020	03/23/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/26/2020	03/24/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/26/2020	03/25/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/27/2020	03/26/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/27/2020	03/27/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	03/02/2020	03/02/2020	ROBERTS, PATRICK	1.00	\$64.17	OVERTIME	WRCCDM	100000002708	INS
866220	03/05/2020	03/03/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/05/2020	03/04/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/06/2020	03/05/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/06/2020	03/06/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/09/2020	03/09/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/10/2020	03/10/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/11/2020	03/11/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/13/2020	03/12/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/13/2020	03/13/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/17/2020	03/16/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	03/17/2020	03/17/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	03/19/2020	03/18/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	03/19/2020	03/19/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS

866220	03/20/2020	03/20/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/23/2020	03/23/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	03/26/2020	03/24/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	03/26/2020	03/25/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	03/27/2020	03/26/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	03/27/2020	03/27/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
			ROBERTS, PATRICK Total		\$12,068.79				
			Grand Total		\$16,661.06				

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Equipment Charges for Trans Dates -02/01/2020 - 02/29/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
895939	03/13/2020	03/03/2020	BANTIOS, EVAGELOS	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
895939	03/13/2020	03/03/2020	BANTIOS, EVAGELOS	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
895939	03/13/2020	03/03/2020	BANTIOS, EVAGELOS	4.00	\$9.36	ASSIGNED	PC/Computer	100000002708	ENG
895939	03/13/2020	03/03/2020	BANTIOS, EVAGELOS	4.00	\$1.60	ASSIGNED	Cell Phone	100000002708	ENG
895939	03/13/2020	03/04/2020	BANTIOS, EVAGELOS	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
895939	03/13/2020	03/04/2020	BANTIOS, EVAGELOS	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
			BANTIOS, EVAGELOS Total		\$16.44				
864521	03/02/2020	02/27/2020	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/02/2020	02/27/2020	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/02/2020	02/28/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/02/2020	02/28/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/16/2020	03/02/2020	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/16/2020	03/02/2020	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/16/2020	03/03/2020	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/16/2020	03/03/2020	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/16/2020	03/05/2020	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/16/2020	03/05/2020	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/16/2020	03/09/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/16/2020	03/09/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/16/2020	03/10/2020	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/16/2020	03/10/2020	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/16/2020	03/11/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/16/2020	03/11/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/16/2020	03/12/2020	BROWN, JOEL	0.50	\$0.20	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/16/2020	03/12/2020	BROWN, JOEL	0.50	\$1.17	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/16/2020	03/13/2020	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/16/2020	03/13/2020	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
			BROWN, JOEL Total		\$54.80				
866220	03/03/2020	03/02/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/03/2020	03/02/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/03/2020	03/02/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/03/2020	03/03/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/03/2020	03/03/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/03/2020	03/03/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/05/2020	03/04/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/05/2020	03/04/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/05/2020	03/04/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/05/2020	03/05/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/05/2020	03/05/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/05/2020	03/05/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/06/2020	03/06/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/06/2020	03/06/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/06/2020	03/06/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/10/2020	03/09/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/10/2020	03/09/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/10/2020	03/09/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/10/2020	03/10/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/10/2020	03/10/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/10/2020	03/10/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/11/2020	03/11/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/11/2020	03/11/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/11/2020	03/11/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/13/2020	03/13/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/13/2020	03/13/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/13/2020	03/13/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/17/2020	03/16/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/17/2020	03/16/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/17/2020	03/16/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/17/2020	03/17/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/17/2020	03/17/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/17/2020	03/17/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/18/2020	03/18/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/18/2020	03/18/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/18/2020	03/18/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/19/2020	03/19/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	03/19/2020	03/19/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	03/19/2020	03/19/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS

10a1b. OMI Seg 4 NESPS Odor Corrosion Study Project - WRC labor-FB-NPR76	EQP for 04-15-2020 meeting	Equipment
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866220	03/27/2020	03/26/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/27/2020	03/26/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	03/27/2020	03/26/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	03/27/2020	03/27/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	03/27/2020	03/27/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	03/27/2020	03/27/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	03/27/2020	03/27/2020	ROBERTS, PATRICK	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	INS
866220	03/27/2020	03/27/2020	ROBERTS, PATRICK	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	INS
866220	03/27/2020	03/27/2020	ROBERTS, PATRICK	3.00	\$17.07	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
			ROBERTS, PATRICK Total		\$1,745.01				
			Grand Total		\$2,020.07				

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



Candice S. Miller
Public Works Commissioner
Macomb County

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

Invoice Date Invoice
03/10/2020 ARP200072

REF DATE	DESCRIPTION		AMOUNT
Work Order:	#	WO Descrip:	
03/10/2020		Personnel Reimb. 1/1-2/28/20	5,218.20
Work Order:	# WO20016	WO Descrip:	
03/10/2020		Comcast 1/1-3/29/20	UTILITY REIMB. 1,641.62
Work Order:	# WO20016	WO Descrip:	
03/10/2020		Sprint 12/24-2/23/20	UTILITY REIMB. 108.34
Work Order:	# WO20016	WO Descrip:	
03/10/2020		Verizon 12/27-2/23/20	UTILITY REIMB. 369.53
Work Order:	# WO20016	WO Descrip:	
03/10/2020		Various Vendors	LIST ATTACHED 1,033.82
Charges			8,371.51

Please direct inquiries about your account to:

Phone: (586) 469-5325 - Finance Department

Email: bruce.manning@macombgov.org

Please make checks payable to:

Macomb County Public Works

Please remit your payment to:

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

Customer Number: V01091 AC: 32
Invoice Date: 03/10/2020
Invoice Number: ARP200072
Amount Due: \$8,371.51
Payment Terms: Due Upon Receipt



Applied Science, Inc.

300 River Place Suite 5400 Detroit, MI 48207

Phone: (313) 567-3990 Fax: (313) 567-3750

www.asi-detroit.com

March 31, 2020

Project Invoice #14 (ASI Inv. #7558)

Joel Brown, P.E.

Civil Engineer III

Oakland County Water Resources Commissioner's Office

One Public Works Drive, Building 95 West

Waterford, MI 48328

Re: Northeast Sanitary Pump Station

Contract #5470

(ASI Job No. 1815)

li# 41133

v# 352

exp.

6/26/21

Invoice Period: 2/23/20 - 3/28/20

Task No.	Task Description	Total This Invoice
1	Transition & Basis of Design	
	Total:	\$ 2,134.00
	Subconsultants:	
	82912	
	FK Engineering:	\$ -
	149667	
	ASI Markup 5%:	\$ -
	730639	
	Total:	\$ 2,134.00
	1-2842	
	engcon	

Task No.	Task Description	Total This Invoice
2	Design Services for Pump & Electrical Upgrades	
	Total:	\$ 30,817.00
	Subconsultants:	
	82912	
	Metco Services	\$ 50,655.00
	149667	
	FK Engineering:	\$ 14,249.81
	730639	
	NTH Consultants	\$ 19,113.87
	1-3020	
	AEW	\$ -
	engcon	
	ASI Markup 5%:	\$ 4,200.93
	Total Due This Invoice:	\$ 119,036.61

Task No.	Task Description	Total This Invoice
3	Additional Special Services	
	Total:	\$ -
	Subconsultants:	
	82912	
	NTH Consultants	149667
	FK Engineering:	730639
	1-3016	\$ 1,789.50
	ASI Markup 5%:	\$ 89.48
	Total Due This Invoice:	\$ 1,878.98

Total Due This Invoice: **\$ 121,170.61**

Previous Amount Invoiced: \$ 958,999.80

Total Invoiced To-Date: \$ 1,080,170.41

Contract Task Total: \$ 1,755,118.00

Amount Remaining: \$ 674,947.59



645 Griswold Street
Suite 3770
Detroit MI 48226
Tel: +1(313) 963-1313

INVOICE

Please Remit To:
CDM Smith Inc.
15050 Collections Center Drive
Chicago IL 60693

Oakland County, MI
DEBBIE HACKMAN, P.E.
OAKLAND COUNTY DRAIN COMMISSIONER
ONE PUBLIC WORKS DRIVE
WATERFORD MI 48328-1907

Account Number: 000200418081
Wire Routing: 011000138
Invoice Number: 90096249
Invoice Date: 01-APR-2020
Project Number: 95031

Amount Due : \$7,324.63

Services from March 1, 2020 to March 28, 2020

Re : OMID Flow Meter Management and Billing Support

95031 - OMID Flow Meter DM/Billing

Description	Amount
Labor	\$7,324.63
Other Direct Costs	\$0.00
Outside Professionals	\$0.00
Total Due	\$7,324.63

Description	Amount
Previously Invoiced	\$399,590.92
Invoiced ITD	\$406,915.55
Total Contract Amount	\$655,000.00
Balance Remaining	\$248,084.45
Percent Complete	62.12%

Fund: 82912 Dept: 6010101
Prog: 149100 Acct: 730373
Contract #: 5229 Project:
OP unit:

Approver 



LG Design is a Subsidiary of CH2M Hill Engineers

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

Invoice Contact:
Sandy.Peppler@Jacobs.com

Fund	84915	Dept	6010101
Prog	149015	Acct	730373
Contract #	5456	Project	1-2708
Chap 20/21	21	Op Unit	engcon
Approver	[Signature]		4/3/20

Submit to:

v#22147
exp. 6/26/23
li# 41047

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

Invoice Date: 4/3/2020
CH2M HILL Project No. 705773CH
CH2M HILL Invoice No. 705773CH014
Sequential Invoice Number: 15

PROFESSIONAL SERVICES RENDERED FOR THE OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)
BIOTRICKLING FILTER DESIGN AND CONSTRUCTION OVERSIGHT
This invoice includes labor and expenses for the period:
From February 22, 2020 through March 27, 2020

Authorized Amount: \$ 1,272,470.46
Current Invoice: \$ 36,250.94
Total Invoiced: \$ 926,551.58
Percent Complete: 72.82%
Remaining Budget: \$ 345,918.88

Total Amount Due: \$ 36,250.94

Project/Task Number	Description	Total Budget	Previously Invoiced	Current Invoice	Total Invoiced	Percent Spent	Remaining Budget
1	PROJECT MANAGEMENT	\$ 33,527.00	\$ 33,504.07	\$ -	\$ 33,504.07	99.93%	\$ 22.93
2	PRELIMINARY DESIGN	\$ 73,599.00	\$ 73,519.37	\$ -	\$ 73,519.37	99.89%	\$ 79.63
3	FINAL DESIGN	\$ 195,027.00	\$ 195,009.84	\$ -	\$ 195,009.84	99.99%	\$ 17.16
4	BIDDING	\$ 31,841.46	\$ 31,840.94	\$ -	\$ 31,840.94	100.00%	\$ 0.52
5	CONSTRUCTION OBSERVATION	\$ 344,187.00	\$ 200,389.05	\$ 16,295.64	\$ 216,684.69	62.96%	\$ 127,502.31
6	REVIEW SUBMITTALS	\$ 85,648.00	\$ 85,096.67	\$ 485.20	\$ 85,581.87	99.92%	\$ 66.13
7	CHANGES & CLAIMS	\$ 17,361.00	\$ 4,421.90	\$ 2,544.96	\$ 6,966.86	40.13%	\$ 10,394.14
8	SITE INSPECTION	\$ 35,641.00	\$ 4,307.50	\$ -	\$ 4,307.50	12.09%	\$ 31,333.50
9	PREPARE O&M MANUAL	\$ 26,718.00	\$ -	\$ -	\$ -	0.00%	\$ 26,718.00
10	PROVIDE OPERATING TRAINING	\$ 9,082.00	\$ -	\$ -	\$ -	0.00%	\$ 9,082.00
11	ASSIST WITH FACILITY START-UP	\$ 17,129.00	\$ -	\$ -	\$ -	0.00%	\$ 17,129.00
12	PREPARE RECORD DRAWINGS	\$ 9,803.00	\$ -	\$ -	\$ -	0.00%	\$ 9,803.00
13	WARRANTY & PERFORMANCE REVIEWS	\$ 15,925.00	\$ -	\$ -	\$ -	0.00%	\$ 15,925.00
14	PROJECT PLANNING	\$ 25,000.00	\$ 24,997.75	\$ -	\$ 24,997.75	99.99%	\$ 2.25
EX	EXPENSES	\$ 22,711.00	\$ 17,175.62	\$ -	\$ 17,175.62	75.63%	\$ 5,535.38
SUB.METCO	ELECTRICAL ENGINEERING	\$ 75,570.00	\$ 74,194.50	\$ -	\$ 74,194.50	98.18%	\$ 1,375.50
SUB.NTH	GEOTECH INVESTIGATION	\$ 227,760.00	\$ 140,593.43	\$ 16,925.14	\$ 157,518.57	69.16%	\$ 70,241.43
SUB.SDA	SITE SURVEY	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100.00%	\$ -
Subtotal:		\$ 1,251,779.46	\$ 890,300.64	\$ 36,250.94	\$ 926,551.58	74.02%	\$ 325,227.88
Allowance		\$ 20,691.00	\$ -	\$ -	\$ -	0.00%	\$ 20,691.00
Total:		\$ 1,272,470.46	\$ 890,300.64	\$ 36,250.94	\$ 926,551.58	74.02%	\$ 345,918.88

OUTSTANDING INVOICES:

INVOICE DATE	INVOICE #	AMOUNT
Total:		\$ -
Current invoice		\$ 36,250.94
TOTAL DUE:		\$ 36,250.94

Payment term: 30 calendar days (NET)

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

Electronic payment details:

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

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

Invoice

Date	Invoice #
3/25/2020	20OMIDD001

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

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

Fund	82912	Dept	6010101	v# 15750
Prog	149090	Acct	730660	exp. 6/28/22
Contract #	5817	Project		li# 42697
Chap 20/21	21	Op Unit		
Approver				

P.O. Number	Terms	Due Date
	Net 60	5/24/2020

[illegible]

WE ACCEPT MASTER CARD, VISA, AND DISCOVER CARD

“Relentlessly Helping Our Customers Achieve Success by Being an Integral, Caring and Innovative Mechanical Solutions Provider.”

IN ACCOUNT WITH

DICKINSON WRIGHT PLLC

2600 W. BIG BEAVER ROAD, SUITE 300
TROY, MI 48064-3312
TELEPHONE: (248) 433-7200
http://www.dickinsonwright.com
FEDERAL I.D. #38-1364333

INVOICE DATE: MARCH 9, 2020
INVOICE NO.: 1455401

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

ATTN: Steve Korth

CLIENT/MATTER NO.: 012840-00418

RE: GATE OPERATION - MID

Fund	82912	Dept	6010101
Prog	155010	Acct	73073
Contract #	5089	Project	
Chap 20/21	21	Op Unit	
Approver	St Korth 3-12-20		

v #4978

exp. 4/30/22

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH FEBRUARY 29, 2020

USD

TOTAL FEES CURRENT INVOICE \$ 875.00

TOTAL CURRENT INVOICE \$ 875.00

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF MARCH 9, 2020

INVOICE	DATE	BILLED VALUE	PAYMENTS	OUTSTANDING
1447211	02/10/20	560.00	(0.00)	560.00

TOTAL OUTSTANDING FROM PRIOR INVOICES \$ 560.00

TOTAL AMOUNT DUE \$ 1,435.00

Remittance Instructions		
Terms: Due and Payable Upon Receipt		
Mail To:	ACH Instructions:	Wire Instructions:
Dickinson Wright PLLC 2600 W. Big Beaver Suite 300 Troy, MI 48064	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 072 000 326 Account# 38852 (Please Reference Invoice Numbers)	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 021 000 021 Swift Code: CHASUS33 (International) Account# 38852 (Please Reference Invoice Numbers)

IN ACCOUNT WITH

DICKINSON WRIGHT PLLC

2600 W. BIG BEAVER ROAD, SUITE 300
TROY, MI 48064-3312
TELEPHONE: (248) 433-7200
http://www.dickinsonwright.com
FEDERAL I.D. #38-1384333

INVOICE DATE: MARCH 9, 2020
INVOICE NO.: 1455403

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

ATTN: JOHN BASCH

CLIENT/MATTER NO.: 012840-00424

Fund	82912	Dept	6010101
Prog	149007	Acct	721073
Contract #	5089	Project	1-3000
Chap 20/21	21	Op Unit	Legal
Approver: <i>St. John 3-12-20</i>			

v#4978
exp. 4/30/20

RE: REVISION OF OAKLAND COUNTY PURCHASE ORDER FOR MISCELLANEOUS WORK

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH MARCH 5, 2020

	USD
TOTAL FEES CURRENT INVOICE	\$ 420.00
TOTAL CURRENT INVOICE	\$ 420.00

Remittance Instructions		
Terms: Due and Payable Upon Receipt		
Mail To:	ACH Instructions:	Wire Instructions:
Dickinson Wright PLLC 2600 W. Big Beaver Suite 300 Troy, MI 48064	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 072 000 326 Account# 38852 (Please Reference Invoice Numbers)	JP Morgan Chase Bank N.A. 28660 Northwestern Highway Southfield, MI 48034 ABA Number: 021 000 021 Swift Code: CHASUS33 (International) Account# 38852 (Please Reference Invoice Numbers)

**INVOICE**

23800 HAGGERTY RD.
FARMINGTON HILLS, MI 48335-2617
www.grainger.com

GRAINGER ACCOUNT NUMBER 880356712
INVOICE NUMBER 9466704112
INVOICE DATE 03/06/2020
NO AMOUNT DUE

SHIP TO

WRC CONSTRUCTION DRAIN MAINTENANCE
1 Public Works Dr
Waterford MI 48328-1907

PO NUMBER: WEB1617670144
CALLER: CHRIS GIANAKOS
CUSTOMER PHONE: 2488581116
ORDER NUMBER: 1377475590
INCO TERMS: FOB ORIGIN

BILL TO
OAKLAND COUNTY WATER & SEWERAGE
1 PUBLIC WORKS DR
WATERFORD MI 48328-1907

Pay invoices online at:
www.grainger.com/invoicing
Sign up for paperless invoicing at:
www.grainger.com/paperlessinvoicing

THANK YOU! FEI NUMBER 36-1150280

FOR QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-800-472-4643

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
1	45NJ76	FIRST AID KIT, 3 IN. W X 3 IN. D X 9 IN. H MANUFACTURER # 54769	1	97.74	97.74
2	3PVT3	PERSONAL EYE WASH BOTTLE, 1 OZ. MANUFACTURER # 32-000451-0000	2	2.69	5.38
3	3LPG2	INSTANT COLD PACK, WHITE, 6IN. X 4IN. MANUFACTURER # 7241M	2	0.75	1.50
Delivery #: 6462942696 Date: 03/06/2020 Carrier: UPS GROUND No. of Pkgs: 3 Wt: 6.560 Trk #: 1Z59A88R0320552848 1Z59A88R0320560071 1Z59A88R0320560599 SHIPPED FROM: DC MACEDONIA 935 8211 BAVARIA ROAD, MACEDONIA, OH 44056-2259					

THIS PURCHASE IS GOVERNED EXCLUSIVELY BY GRAINGER'S TERMS OF SALE, INCLUDING: (I) DISPUTE
RESOLUTION REMEDIES, AND (II) CERTAIN WARRANTY AND DAMAGES LIMITATIONS AND DISCLAIMERS
IN EFFECT AT THE TIME OF THE ORDER, WHICH ARE INCORPORATED BY REFERENCE HEREIN. GRAINGER'S
TERMS OF SALE ARE AVAILABLE AT WWW.GRAINGER.COM
PRODUCT RETURN INSTRUCTIONS ARE AVAILABLE AT WWW.GRAINGER.COM/RETURNS

INVOICE SUB TOTAL 104.62
CR. CARD OR CASH RECEIVED 104.62

These items are sold for domestic consumption. If exported, purchaser assumes full responsibility for compliance with US
export controls. Diversion contrary to US law prohibited.

Reprint

NO PAYMENT DUE -- PAYMENT TERMS MasterCard .THIS INVOICE FOR YOUR RECORDS.

AMOUNT DUE

\$0.00

NO PAYMENT DUE - THIS INVOICE FOR YOUR RECORDS

FUND	82912
DEPT	6010101
PROGRAM	149090
ACCOUNT	250294
OPER UNIT	CH 21
APPROVAL	



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

Invoice Date: 4/3/2020
Jacobs Project Number: 697317CH
Sequential Invoice Number: 19
Jacobs Invoice Number: 697317CH019

INVOICE

OMIDDD System-wide Odor/Corrosion Study

This invoice includes labor and expenses for the period
From February 22, 2020 through March 27, 2020

Authorized Amount	\$	383,789.00
Current Invoice	\$	14,163.86
Total Invoiced to Date	\$	380,721.58
Remaining Budget	\$	3,067.42

Total Amount Due	\$	14,163.86
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Fund	84912	Dept	6010101
Prog	149015	Acct	730639
Contract #	5216	Project	1-2892
Chap 20/21	21	Op Unit	std
Approver	4/3/20		

STATUS OF PREVIOUS INVOICES

Date	Invoice Number	Sequential Invoice Number	Invoiced Amount	Paid Date	Paid Amount	Amount Outstanding
09/27/2018	381161194	1	\$35,231.70	11/14/2018	\$35,231.70	\$0.00
11/07/2018	697317CH001	2	\$18,104.11	12/06/2018	\$18,104.11	\$0.00
11/13/2018	697317CH002	3	\$11,916.34	12/24/2018	\$11,916.34	\$0.00
12/17/2018	697317CH003	4	\$17,294.97	01/29/2019	\$17,294.97	\$0.00
01/09/2019	697317CH004	5	\$11,205.83	01/24/2019	\$11,205.83	\$0.00
02/15/2019	697317CH005	6	\$14,963.22	03/27/2019	\$14,963.22	\$0.00
03/11/2019	697317CH006	7	\$23,348.82	03/27/2019	\$23,348.82	\$0.00
04/17/2019	697317CH008	8	\$21,792.04	05/17/2019	\$21,792.04	\$0.00
05/21/2019	697317CH009	9	\$10,413.99	06/28/2019	\$10,413.99	\$0.00
06/05/2019	697317CH010	10	\$14,856.85	07/31/2019	\$14,856.85	\$0.00
08/13/2019	697317CH011	11	\$64,654.11	08/30/2019	\$64,654.11	\$0.00
09/17/2019	697317CH012	12	\$25,928.19	10/31/2019	\$25,928.19	\$0.00
10/21/2019	697317CH013	13	\$22,538.94	11/27/2019	\$22,538.94	\$0.00
11/04/2019	697317CH014	14	\$8,692.74	12/06/2019	\$8,692.74	\$0.00
12/04/2019	697317CH015	15	\$12,547.23	01/23/2020	\$12,547.23	\$0.00
01/10/2020	697317CH016	16	\$27,522.34	03/16/2020	\$27,522.34	\$0.00
01/31/2020	697317CH017	17	\$13,617.64	03/16/2020	\$13,617.64	\$0.00
03/02/2020	697317CH018	18	\$11,928.66	01/04/2020	\$11,928.66	\$0.00
TOTAL OUTSTANDING AMOUNT					\$0.00	

v#20192
exp.
5/15/20

li#39942

Payment terms: 30 NET

To ensure accurate posting, please note the invoice number on your check.

Electronic payment details:

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

Checks payable to:

CH2M HILL ENGINEERS, INC.
P.O. Box 201869
Dallas, TX 75320 - 1869



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

INVOICE		
DATE	NUMBER	PAGE
3/24/2020	617137	1 of 1

B MET127
I METCO SERVICES, INC.
L 12835 STEPHENS ROAD
L WARREN, MI 48089
T
O

S NORTH EAST PUMP STATION
H 11000 EAST 8 MILE RD
I DETROIT, MI 48205
P
T
O

ATTENTION:

TERRY MOORE

313-829-7207

tmoore@metcoservices.com

CUSTOMER REF/PO #		JOB #	JOB TITLE	SLP	SHIPPING TYPE	
		0104262	NORTHEAST PUMP STATION, FIELD SERVICE, SANITARY	KES/SPM	FIELD SERVICE	
QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED	
B/O	Ship					

0.00	14.00	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 03/20/20. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$135.00	\$1,890.00
0.00	1.00	TRAVEL	SERVICE VEHICLE	\$99.00	\$99.00

Fund	82912	Dept	6010101
Prog	149090	Acct	730660
Contract #	5825	Project	
Chap 20/21	21	Op Unit	
Approver			

v# 239
li# 42709
exp. 6/30/22

John R. 3-25-20

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 4/2019) and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.

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

SUBTOTAL: \$1,989.00
TAX: \$0.00
TOTAL: \$1,989.00

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

www.KennedyInd.com



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

INVOICE NO. 1811-15

DATE: April 1, 2020

METCO PROJECT NO. 1811

INVOICE PERIOD: thru 3/29/2020

Contract ID 000000000000000000005517

Vendor ID 0000020486

TO: OMIDD

Water Resources Commissioner

One Public Works Drive

Waterford, MI 48328

Attn: Mr. Sid Lockhart, PE

Deputy Chief Engineer/Special Projects Manager

TITLE: NESPS Operation and Maintenance

Task 3.2 - Operational Plan

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	22.0	\$ 145.00	\$ 3,190.00
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal Task 3.2A:				\$ 3,190.00

JTB 4/3/20

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	16.0	\$ 215.00	\$ 3,440.00
Terry Moore	Operations Manager	44.0	\$ 145.00	\$ 6,380.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Rosana Santos	Administrative Assoc.	2.0	\$ 73.79	\$ 147.58
Subtotal Task 3.2B:				\$ 9,967.58

JTB 4/3/20

Subtotal 3.2: \$ 13,157.58

Task 4.0 - Maintenance & Asset Management

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

Terry Moore	Operations Manager	32.0	\$ 145.00	\$ 4,640.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Subtotal Task 4.3A:				\$ 4,640.00

JTB 4/3/20

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

Terry Moore	Operations Manager	56.0	\$ 145.00	\$ 8,120.00
Terry Moore	Operations Manager (Overtime)	4.0	\$ 195.00	\$ 780.00
Daniel Martel	Sr. Project Coordinator	1.0	\$ 145.00	\$ 145.00

JTB 4/3/20

Darrin Green	Staff Engineer	114.0	\$	90.00	\$	10,260.00
Darrin Green	Staff Engineer-(Overtime)	2.0	\$	135.00	\$	270.00
Abhishek Shah	Staff Engineer	4.0	\$	90.00	\$	360.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
					Subtotal:	\$ 19,935.00
					Maintenance Services (see attached invoices):	\$ 885.05
					Subtotal Task 4.3B	\$ 20,820.05
					Subtotal 4.3:	\$ 25,460.05
					TOTAL AMOUNT DUE THIS INVOICE:	\$ 38,617.63



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

Fund	84915	Dept	6010101
Prog	149015	Acct	731906
Contract #	2603	Project	1-2708
Chap 20/21	21	Op Unit	std
Approver	4/2/20		

v# 476
exp. 12/31/21
li# 24138

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

Invoice # : 6
Project : 61-190306
Invoice Group : NESPS
Invoice Date : 3/31/2020

Attention: Sid Lockhart

For Professional Services Rendered from 2/22/2020 to 3/27/2020

Additional OMID Construction Material Testing Services for the Northeast Sewage Pump Station Odor/Corrosion Control System Project

Task 01 NESPS Construction Material Testing \$32,862.00

Preliminary Budget Amount \$32,862.00
Percent Complete: 91.92%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 227.21	\$ 7,348.22
Overhead %	188.00	427.15	13,814.66
Total Regular Labor Expense		654.36	21,162.88
Premium Labor Cost		0	0
Total Direct Labor		654.36	654.36
Profit / Fixed Fee %	12.00	78.52	2,539.54
Direct Expenses Charge		71.43	6,193.33
Expense Multiplier %	5.00	3.57	309.67
Direct Subcontractor Charge		0.00	0.00
Subcontractor/Subconsultant Multiplier %	6.00	0.00	0.00
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		75.00	6,503.00
Total Costs:		807.88	30,205.42
Total Due This Invoice		\$ 807.88	\$ 30,205.42

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

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

Payment for all invoices is expected as per contract terms. 91 retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.

**NTH Consultants, Ltd.**Infrastructure Engineering and
Environmental Services**INVOICE**OMI Drain Drainage District
One Public Works Drive
Building 95 West
Waterford, MI 48328

Fund	82912	Dept	6010101
Prog	149667	Acct	730693
Contract #	2603	Project	1-3019
Chap 20/21	21	Op Unit	engcon
Approver			

v# 476
exp. 12/31/21
li# 24138Invoice # : 10
Project : 61-190078
Invoice Group : NI-EA
Invoice Date : 3/31/2020

Attention: Sid Lockhart

JTB 4/2/20

For Professional Services Rendered from 2/22/2020 3/27/2020

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

Task 01	Project Management	\$276,159.00
Task 02	Condition Assessment	\$241,609.00
Task 03	Subsurface Utility Engineering	\$65,679.00
Task 04	Basemap Survey	\$89,327.00
Task 05	Geotechnical Investigation	\$134,797.00
Task 06	Environmental Study	\$60,642.00
Task 07	Basis of Design	\$379,785.00
Task 08	Rehabilitation Design	\$282,099.00
Task 09	Contract Drawings	\$235,070.00
Task 10	Contract Specifications	\$188,178.00
Task 11	Construction Costs	\$27,761.00
Task 12	Permits & Coordination	\$25,655.00
Task 13	Bidding Assistance	\$198,402.00

Preliminary Budget Amount \$2,205,063.00
Percent Complete: 44.45%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries	\$	22,001.29	\$ 155,702.73
Overhead %	188.00	41,362.43	292,721.17
Total Regular Labor Expense		63,363.72	448,423.90
Premium Labor Cost		0	0
Total Direct Labor		63,363.72	448,423.90
Profit / Fixed Fee %	12.00	7,603.65	53,810.86
Direct Expenses Charge		416.60	19,460.90
Expense Multiplier %	5.00	20.84	973.07
Direct Subcontractor Charge		139,242.99	431,617.57
Subcontractor/Subconsultant Multiplier %	6.00	8,354.59	25,897.09
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursable		148,035.02	477,948.63
Total Costs:		219,002.39	980,183.39
Total Due This Invoice	\$	219,002.39	\$ 980,183.39

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

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

Payment for all invoices is expected as per contract terms. 92 retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

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

Fund	82912	Dept	6010101
Prog	149662	Acct	730639
Contract #	2603	Project	1-3015
Chap 20/21	21	Op Unit	engcon
Approver	4/2/20		

v# 476
exp. 12/31/21
li# 24138

Invoice # : 14
Project : 61-190044
Invoice Group : REPAIRS
Invoice Date : 3/31/2020

Attention: Sid Lockhart

For Professional Services Rendered from

02/22/2020 - 03/27/2020

OMID System Immediate Repairs

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

Analysis of Costs		This Invoice	Cumulative
Direct Salaries (Task 01 & 02)		\$ 118.01	\$ 22,871.02
Overhead %	188.00	221.86	42,997.51
Total Regular Labor Expense		339.87	65,868.53
Premium Labor Cost		0	0
Total Direct Labor		339.87	65,868.53
Profit / Fixed Fee %	12.00	40.78	7,904.22
Direct Expenses Charge		0.00	330.08
Expense Multiplier %	5.00	0.00	66.51
Direct Subcontractor Charge		0.00	8,972.75
Subcontractor/Subconsultant Multiplier %	5.00	0.00	448.68
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		0.00	9,818.02
Total Costs:		380.65	83,590.77
Total Due This Invoice		\$ 380.65	\$ 83,590.77

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

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

Payment for all invoices is expected as per contract terms. 93 retainers are held and applied to final invoice for a project. Checks will be issued for any amounts collected as retainers that exceed the final invoice. Call 248-553-6300 with questions.



We Bring Home Peace of Mind

28294 Beck Road Wixom, MI 48393

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

www.PMTech.org

Invoice

Date Invoice #

1/30/2020 0000134618

Bill To:

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

Site Address:

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

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

DESCRIPTION	QTY	PRICE EACH	AMOUNT
Service Call - Control test	1.00	185.00	185.00
Labor	4.00	115.00	460.00

1/29/2020 & 1/30/2020

Fund	<u>82912</u>	Dept	<u>6010101</u>
Prog	<u>149090</u>	Acct	<u>7306620</u>
Contract #	<u>5821</u>	Project	
Chap 20/21	<u>21</u>	Op Unit	
Approver	<u>[Signature]</u> 3/16/20		

v * 238

exp. 6/30/22

li# 42705

[Signature]

Visa, Master Card, Discover or American Express 3% processing fee added to total over \$2,000

Subtotal \$645.00

Sign: _____ Inv # _____

Sales Tax \$0.00

Card #: _____

Balance Due \$645.00

Exp Date: _____ Security Code: _____

This Invoice is for the Services mentioned above only,
if other repair work was completed it will be invoiced
separately.

Conditions of Sale and Limitations of Liability are on back of invoice.
Warranty Disclaimer: parts and labor not covered by the manufactures written
warranty are the owner's responsibility to reimburse PM Technologies for reasonable costs incurred.

Please let us know how we are doing.
Go to: www.reviewbuzz.com
and use PM Technologies as the company name.



Standby Generator Systems

We Bring Home Peace of Mind

28294 Beck Road Wixom, MI 48393

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

www.PMTech.org

Invoice

Date

Invoice #

2/5/2020

0000134816

Bill To:

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

Site Address:

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

PO Number	Terms	Make	Model	Serial Number	
Jeff/Roy	NET 30 DAYS	CAT/KATO	A269500000	13669-04	
KW	PM Tech's Other Locations		A LATE FEE of 1.5% per month, 18% per year, of the unpaid balance unpaid balance will be added to past due amounts	Remit To: 28294 Beck Road Wixom, MI 48393	
1825	2385 Wilshire Drive Jenison, MI 49428 1695 Dalton Drive New Carlisle, OH 45344				
DESCRIPTION			QTY	PRICE EACH	AMOUNT
Service Call - Low fuel alarm			1.00	185.00	185.00
Labor			1.00	115.00	115.00
12/6/2019					
<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px;"> Fund <u>82912</u> Dept <u>6010101</u> Prog <u>149090</u> Acct <u>7306600</u> Contract # <u>5821</u> Project _____ Chap 20/21 <u>21</u> Op Unit _____ Approver <u>[Signature]</u> <u>3/16/20</u> </div> <div style="text-align: right;"> v # 238 (x) u/pd/22 i # 42705 </div> </div>					
Visa, Master Card, Discover or American Express 3% processing fee added to total over \$2,000			Subtotal \$300.00		
Sign: _____ Inv # _____			Sales Tax \$0.00		
Card #: _____			Balance Due \$300.00		
Exp Date: _____ Security Code: _____			This Invoice is for the Services mentioned above only, if other repair work was completed it will be invoiced separately.		
Conditions of Sale and Limitations of Liability are on back of invoice. Warranty Disclaimer: parts and labor not covered by the manufacturer's written warranty are the owner's responsibility to reimburse PM Technologies for reasonable costs incurred			Please let us know how we are doing. Go to: www.reviewbuzz.com and use PM Technologies as the company name.		



Standby Generator Systems

We Bring Home Peace of Mind

28294 Beck Road Wixom, MI 48393

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

www.PMTech.org

Invoice

Date

Invoice #

3/17/2020

0000136253

Bill To:

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

Site Address:

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

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

DESCRIPTION	QTY	PRICE EACH	AMOUNT
4 Hour Load Bank Testing (For burning of exhaust slobber build up, ability to provide the required horsepower over time, frequency stability and the alternators ability to provide required voltage stability and output)	1.00	5,750.00	5,750.00

3/10/2020

Fund	82912	Dept	6010101
Prog	149090	Acct	730660
Contract #	5821	Project	
Chap 20/21	21	Op Unit	
Approver	3-24-20		

v# 236
exp. 6/28/22
li# 42705

Visa, Master Card, Discover or American Express 3% processing fee added to total over \$2,000

Subtotal \$5,750.00

Sales Tax \$0.00

Sign: _____ Inv # _____

Card #: _____

Exp Date: _____ Security Code: _____

Balance Due \$5,750.00

This Invoice is for the Services mentioned above only,
if other repair work was completed it will be invoiced
separately.

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

Warranty Disclaimer: parts and labor not covered by the

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



Standby Generator Systems

We Bring Home Peace of Mind

28294 Beck Road Wixom, MI 48393

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

www.PMTech.org

Invoice

Date

Invoice #

3/17/2020

0000136254

Bill To:

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

Site Address:

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

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

DESCRIPTION	QTY	PRICE EACH	AMOUNT
4 Hour Load Bank Testing (For burning of exhaust slobber build up, ability to provide the required horsepower over time, frequency stability and the alternators ability to provide required voltage stability and output)	1.00	5,750.00	5,750.00

3/11/2020

Fund	82912	Dept	6010101
Prog	149090	Acct	730660
Contract #	5821	Project	
Chap 20/21	21	Op Unit	
Approver	3-24-20		

v# 236
exp. 6/28/22
li# 42705

Visa, Master Card, Discover or American Express 3% processing fee added to total over \$2,000	Subtotal	\$5,750.00
Sign: _____ Inv # _____	Sales Tax	\$0.00
Card #: _____	Balance Due	\$5,750.00
Exp Date: _____ Security Code: _____	This Invoice is for the Services mentioned above only, if other repair work was completed it will be invoiced separately.	

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

Warranty Disclaimer: parts and labor not covered by the

9%

PM Technologies for reasonable costs incurred.



Standby Generator Systems

We Bring Home Peace of Mind

28294 Beck Road Wixom, MI 48393

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

www.PMTech.org

Invoice

Date

Invoice #

3/17/2020

0000136256

Bill To:

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

Site Address:

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

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

DESCRIPTION	QTY	PRICE EACH	AMOUNT
-------------	-----	------------	--------

4 Hour Load Bank Testing (For burning of exhaust slobber build up, ability to provide the required horsepower over time, frequency stability and the alternators ability to provide required voltage stability and output) 1.00 5,750.00 5,750.00

3/12/2020

Tne

Fund	82912	Dept	6010101
Prog	149090	Acct	730660
Contract #	5821	Project	
Chap 20/21	21	Op Unit	
Approver	<i>[Signature]</i> 3-24-20		

v# 236
exp. 6/28/22
li# 42705

Visa, Master Card, Discover or American Express 3% processing fee added to total over \$2,000	Subtotal	\$5,750.00
Sign: _____ Inv # _____	Sales Tax	\$0.00
Card #: _____	Balance Due	\$5,750.00
Exp Date: _____ Security Code: _____	This Invoice if for the Services mentioned above only, if other repair work was completed it will be invoiced separately.	

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

Warranty Disclaimer: parts and labor not covered by the

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

0110
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
710707	0	001	2/21/2020	3/11/2020	12305

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,449.50		\$2,449.50	\$2,449.50		
Totals:		\$2,449.50		\$2,449.50	\$2,449.50		
Less Retained:							
Invoice Total:				\$2,449.50			

SUPPORT BATTERY MAINTENANCE COMPANY

Job #	82912	Sept	2016
Prog	149090	Acct	730660
Contract #	5807	Project	
Chap 20/21		Op Unit	
Approver			

r#20125
exp. 6/28/22

complete electrical construction

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



Rotor Electric Company of Michigan, LLC.

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DETROIT, MI 48213-1151
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"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	8/6/2019	3/16/2020	12307

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$34,179.70	-	\$34,179.70	\$34,179.70	-	-
	Totals:	\$34,179.70		\$34,179.70	\$34,179.70		
	Less Retained:						
	Invoice Total:			\$34,179.70			

TW

2019 NESPS SWITCHGEAR MAINTENANCE

Fund	82912	Dept	6010101
Prog	149090	Acct	730660
Contract #	5807	Project	
Chap 20/21	21	Op Unit	
Approver	SID LOCKHART APPROVED VIA EMAIL 3/26/20		

v#22125
exp. 6/28/22
li# 42614

JTB 3-25-20

complete electrical construction

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DETROIT, MI 48213-1151
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"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	3/19/2020	3/24/2020	12308

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$258.00	-	\$258.00	\$258.00	-	-
Totals:		\$258.00		\$258.00	\$258.00		
Less Retained:				-			
Invoice Total:				\$258.00			

REPAIR OVERHEAD DOOR ON SOUTH SIDE OF PLANT

Fund	82912	Dept	6010101
Prog	149090	Acct	730660
Contract #	5807	Project	
Chap 20/21	21	Op Unit	
Approver			3-25-20

v# 22125
exp. 6/28/22
li# 42614

complete electrical construction

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Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	3/4/2020	3/16/2020	12366

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
061	SWITCHGEAR MAINTENANCE AND TESTING	\$2,777.42		\$2,777.42	\$2,777.42		
	Totals	\$2,777.42		\$2,777.42	\$2,777.42		
	Less Retained						
	Invoice Total:			\$2,777.42			

Fund	82912	Dept	6010101
Prog	1491090	Acct	7306600
Contract #	5857	Project	
Chap 20/21	21	Op Unit	
Approver	JL R		3/23/20

v # 20125
i # 42614
exp. 6/28/20

complete electrical construction

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

OAKLAND COUNTY WATER RESOURCES COMMISSIONER PEOPLESFT PURCHASING REQUISITION

Requested By:	Debbie Sedam / Joel Brown	Vendor:	Select Medical	WRC Contact Person:
Date:	3/11/2020	Address:		Debbie Sedam
Division/Unit:	WRC			Contact Phone No.:
Department No.:		Contract No.:	5639	248-858-1590
Ship To:		Vendor No.:		

Requisition No.:		To be completed by person responsible for creating document in Peoplesoft Purchasing
PO No.:		To be completed by person responsible for creating document in Peoplesoft Purchasing
Receiver Name:		To be completed by person responsible for creating document in Peoplesoft Purchasing

Quantity	Unit	Item No.	Description	Unit Price	Extended Price
1	ea		HeartStart ONSite AED M5066A	\$ 825.94	\$ 825.94
1	ea		OP01 - HeartStart HS1 - Ready Pack	\$ 96.38	\$ 96.38
1	ea		68 P Chat - Fast Response Kit	\$ 28.06	\$ 28.06
1	ea		989803136531 Cabinet Basic	\$ 154.33	\$ 154.33
				\$	\$ 0.00
				\$	\$ 0.00
				\$	\$ 0.00
				\$	\$ 0.00
				\$	\$ 0.00
				\$	\$ 0.00
				\$	\$ 0.00
				Total:	\$ 1,104.71

Justification:	safety equipment for the NorthEast Pumping Station

Use same #s as Packing list

Charge To: (Use additional sheets if necessary)

Item No. or Line No.:	Fund Name: Project # 1228087	Fund Number: 84945 82912	Dollar Amount or Percentage:
	Program Name: 149015	Program Number: 149090	
	Account Name: ACB. 1-125	Account Number: 750294	
	Operating Unit Name*:	Operating Unit Number*:	100%

*Operating Unit is used with Equipment Fund Only

JL R 3/23/20

For Projects and Grants Only:

Item No. or Line No.	Project Business Unit: Select Drain or Grant:	Project No.:	Dollar Amount or Percentage:
	Project Name:	Activity Code No.:	
	Activity Code Name:		

JIM NASH
OAKLAND COUNTY WATER RESOURCES COMMISSIONER

Project Application and Project Certificate for Payment,

Construction Manager as Adviser Edition

TO OWNER: Oakland Macomb Interceptor Drain Drainage District c/o Oakland County WRC One Public Works Drive, Building 95 West Waterford, MI 48328-1907	PROJECT: OMIDDD NESPS Mech. And Elec. Improvements	APPLICATION NO: 220008 Pre-Con 2	Distribution to:
ATTENTION: Joel T. Brown P.E.	VIA CONSTRUCTION MANAGER: CJ Pokorny Walsh Construction Company II, LLC 3031 West Grand Blvd. Ste.640 Detroit, MI 48202	PERIOD TO: 3/27/2020	OWNER: <input checked="" type="checkbox"/>
		OMIDDD Proj# 1-3020	CONSTRUCTION MANAGER: <input checked="" type="checkbox"/>
		FUND 82912 PROGRAM: 149667	ARCHITECT: <input type="checkbox"/>
		ACCOUNT 730373	OTHER: <input type="checkbox"/>
		ACTIVITY ENGCON	
		VENDOR ID 23191 LINE ITEM 43331	Expiration: 12/16/2022

PROJECT APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Project AIA Document G703, Schedule of Values, is attached for payment.

1. TOTAL CONTRACT SUMS (Item D Totals)	\$ 570,000.00
2. TOTAL NET CHANGES BY CHANGE ORDERS	\$ -
3. TOTAL CONTRACT SUM TO DATE	\$ 570,000.00
4. TOTAL COMPLETED & STORED TO DATE (Item G Totals)	\$ 363,852.00
5. LESS PREVIOUS TOTAL PAYMENTS (Item J Totals)	\$ 254,518.00
6. CURRENT PAYMENT DUE (Item A Totals)	\$ 109,334.00

The undersigned Construction Manager certifies that to the best of its knowledge, information and belief this Project Application for Payment is an accurate compilation of the Contract's Application for Payment, attached hereto.

CONSTRUCTION MANAGER:

By: C.J. Pokorny

Date: April 1, 2020

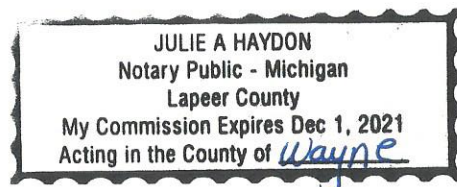
State of: Michigan

County of: Wayne

Subscribed and sworn to before me this

Notary Public: Julie A. Haydon

My Commission expires: 12-01-21



PROJECT CERTIFICATE FOR PAYMENT

JTB 4/1/20

In accordance with the Contract Documents, based on evaluation of the work and the data comprising this Application, the Construction Manager certifies to the Owner that to the best of its knowledge, information and belief the Work has progressed as indicated; the quality of the Work is in accordance with the Contract Documents; and the Construction Manager recommends to the Owner and Architect that the Contractors be paid the AMOUNTS set forth in the attached Schedule of Values for Payment.

TOTAL OF AMOUNTS CERTIFIED

\$109,334.00

CONSTRUCTION MANAGER:

By: C.J. Pokorny

Date: April 1, 2020

In accordance with the Contract Documents, based on evaluation of the work and the data comprising this Application, the Construction Manager's recommendation, the Architect certifies to the Owner that to the best of its knowledge, information and belief the Work has progressed as indicated; the quality of the Work is in accordance with the Contract Documents; and the Contractors are entitled to payments of the AMOUNTS set forth in the attached Schedule of Values for Payment.

ARCHITECT:

By:

Date:

Agenda Item No. 11

NESPS Emergency Contingencies Project Status Update



Oakland-Macomb Interceptor Drain Drainage District

April 13, 2020

Rotor Electric Company of Michigan, LLC

Attn.: Mr. Ben Rosenberg, President

9522 Grinnell Avenue

Detroit, MI 48213

Reference: Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Northeast Sewage Pumping Station (NESPS) Modified Temporary Generator Connection GBP No. 19-3207 Rev. 2 Project-Notice-to-Proceed

Dear Mr. Rosenberg:

Please consider this letter your “**Notice-to-Proceed**” with the construction of the referenced project in accordance with your attached March 19, 2020 proposal for a not-to exceed amount of \$140,856. Work shall be done under your blanket contract #5807 with OMIDDD. Please invoice these services to NESPS Emergency Contingencies Project #1-3014.

The OMIDDD looks forward to working with you on this project. If you have any questions regarding this Notice-to-Proceed, please contact Joel Brown at 248-410-4908.

Sincerely,

Joel T. Brown, P.E.

OCWRC Construction Unit - Project Engineer

Stephen Downing

MCPWO Construction & Maintenance Manager

c:

OCWRC; Sid Lockhart, P.E.

GLWA; Todd King, P.E., Tom Hall

METCO; Terry Moore

Agenda Item No. 12

Other Business

Agenda Item No. 13

Adjourn