

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

August 26, 2020 – 11:30 a.m.
Via GoToMeeting

1. Call meeting to order

Board Members:

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

2. Motion to approve the meeting agenda for August 26, 2020
3. Motion to approve the Drainage District Board Meeting Minutes from July 15, 2020
4. Public Comment
5. Present update regarding OMID 2020 Bond Sale
6. Present proposals regarding NESPS Generator Fuel System Upgrades and PLC Replacement
7. Motion to approve the following Change Order:

Change Order No. Five for Walsh Construction for Electrical Upgrades for a net increase in the amount of \$3,486,618

8. Motion to approve the following Construction Estimate:

Construction Estimate No. 12 for CSM Mechanical, LLC in the amount of \$97,204.34

9. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS, NI-EA
10. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing

11. Motion to approve the following Invoices totaling \$583,566.37:

a)	Reimbursement of the Drain Revolving Fund		
	Macomb County Invoice No. ARP200157	\$	7,724.36
b)	Applied Science, Inc.		
	Invoice No. 7653	NESPS M&E	\$ 80,054.45
c)	Clark Hill		
	1) Invoice No. 994901	O&M	\$ 2,673.00
	2) Invoice No. 1004852	O&M	\$ 783.00
	3) Invoice No. 1005348	O&M	\$ 810.00
	4) Invoice No. 1006009	O&M	\$ 1,134.00
	5) Invoice No. 1009717	O&M	\$ 20,976.49
d)	Dickinson Wright		

	Invoice No. 1494911	O&M	\$ 5,845.00
e)	Kennedy Industries		
	1) Invoice No. 619227	O&M	\$ 5,632.00
	2) Invoice No. 619837	O&M	\$ 1,738.00
f)	Konecranes		
	1) Invoice No. 154288788	O&M	\$ 480.00
	2) Invoice No. 154288790	O&M	\$ 480.00
g)	METCO		
	Invoice No. 1811-19	O&M	\$ 64,015.26
h)	Motor City Electric Technologies Inc.		
	1) Invoice No. 93090	O&M	\$ 269.50
	2) Invoice No. 93091	O&M	\$ 154.00
	3) Invoice No. 93092	O&M	\$ 115.50
	4) Invoice No. 93093	O&M	\$ 7,690.97
	5) Invoice No. 93094	O&M	\$ 154.00
	6) Invoice No. 93163	O&M	\$ 308.00
	7) Invoice No. 93164	O&M	\$ 385.00
	8) Invoice No. 93165	O&M	\$ 154.00
	9) Invoice No. 93166	O&M	\$ 909.91
	10) Invoice No. 93167	O&M	\$ 1,165.62
i)	NTH Consultants, Ltd		
	1) NI-EA – Engineering Design Services for Rehabilitation of NI-EA Sections PCI-4		
	Invoice No. 14	NI-EA	\$ 84,344.16
	2) REPAIRS – OMID System Immediate Repairs		
	Invoice No. 18	OIR	\$ 1,162.40
	3) CS9 – Hydraulic Control Gate		
	Invoice No. 4	NI-EA	\$ 22,028.90
	4) Safety Manual and Crane Support Eval.		
	Invoice No. 2	O&M	\$ 1,215.83
j)	PM Technologies		
	Invoice No. 140204	O&M	\$ 501.25
k)	PMA Consultants		
	1) Invoice No. 3559.01-1	NESPS	\$ 7,211.94
	2) Invoice No. 3559.01-2	NESPS	\$ 6,181.67
l)	Premiere Safety		
	Invoice No. 4176491	O&M	\$ 1,029.03
m)	Walsh Construction		
	Invoice No. 22008 Pre-Con 6	NESPS M&E	\$ 219,645.09

12. Other Business

13. Adjourn

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

August OMID meeting
Wed, Aug 26, 2020 11:30 AM - 2:00 PM (EDT)

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/537415189>

You can also dial in using your phone.

(For supported devices, tap a one-touch number below to join instantly.)

United States: +1 (312) 757-3121

- One-touch: <tel:+13127573121,,537415189#>

Access Code: 537-415-189

Join from a video-conferencing room or system.

Dial in or type: 67.217.95.2 or inroomlink.goto.com

Meeting ID: 537 415 189

Or dial directly: 537415189@67.217.95.2 or 67.217.95.2##537415189

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

<https://global.gotomeeting.com/install/537415189>

Agenda Item No. 3

Board Meeting Minutes from July 15, 2020

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

July 15, 2020

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held via GoToMeeting on the 15th day of July at 11:30 a.m. Eastern Standard Time.

PRESENT:

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

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker and Steve Rozycki. Representing the office of the Oakland County Water Resources Commissioner: Steven Korth, Joel Brown, Sid Lockhart, Kelsey Cooke and Megan Koss. Others in attendance: Brady Harrington, MDARD; Fritz Klingler, FK Engineering; Shawn Phelps, OC Fiscal Services; Larry Gilbert, NTH Consultants; Jason Matteo and Steve Roberts (Jacobs).

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:33 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 GoToMeeting. He indicated that the meeting was being held in compliance with the Governor's Executive Orders, which provide that meetings can be held electronically while satisfying the tenants of the Open Meetings Act, so long as a quorum is met and meaningful public participation is guaranteed.

2. Agenda.

Joel Brown indicated there had been a revision of agenda item number 11(j) (Walsh invoice) with a new invoice total of \$178,948.17. Motion by Vaara, supported by Miller, to approve the July 15, 2020 agenda as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
VAARA: AYE

3. Minutes.

Motion by Miller, supported by Vaara, to approve the minutes of the June 17, 2020 meeting.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
VAARA: AYE

4. Public Comment. None.

5. Presentation regarding the Odor and Corrosion Control System Project.

Jason Matteo and Steve Roberts of Jacobs gave a presentation regarding the history and current status of the Odor and Corrosion Control System Project. They provided an overview of the origins of wastewater, factors that increase sulfides and stats of the Northeast Sewage Pumping Station. Odor and corrosion abatement options were explored and the biotrickling filter system was thoroughly reviewed, including photos of the system inside and out over the duration of the project. It was noted that the biotrickling system was much lower maintenance compared to other alternatives.

Motion by Vaara, supported by Miller, to receive and file the project presentation.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
VAARA: AYE

6. Engineering Work Order.

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

NTH Work Order No. D – 421 for Construction and Materials Testing Services on the Northeast Sewage Pumping Station and Electrical System Upgrades Project for an amount not to exceed \$13,138. Motion by Vaara, supported by Miller, to approve the Engineering Work Order as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
VAARA: AYE

7. Change Orders.

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

Change Order No. Seven for CSM Mechanical, LLC for the NESPS Odor/Corrosion Control Facility for a net increase in the amount of \$25,273.58. Motion by Miller, supported by Vaara, to approve the Change Order as presented.

ROLL CALL VOTE:

GREGG: AYE
MILLER: AYE
VAARA: AYE

Change Order No. Four for Walsh Construction for Electrical Upgrades for a net increase in the amount of \$8,355,062. Motion by Vaara, supported by Miller, to approve the Change Order as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

8. Construction Pay Estimates.

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

Construction Estimate No. 11 for CSM Mechanical, LLC for a payment to the contractor in the amount of \$132,234.61. Motion by Vaara, supported by Miller, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

Construction Estimate No. 1 for CSM Mechanical, LLC for a payment to the contractor in the amount of \$93,227.50 and a transfer of \$10,252.50 to the Oakland County Treasurer. Motion by Miller, supported by Vaara, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

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

Fritz Klingler of FK Engineering presented the Project Progress Update to the Board and summarized the status of various projects. Motion by Miller, supported by Vaara, to receive and file the report and summary.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

10. Financial Reports.

Shawn Phelps of OC Fiscal Services presented the financial reports for Segments 1 through 4 and the NESPS. Motion by Vaara, supported by Miller, to receive and file the financial reports.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

11. Invoices.

The following invoices were submitted to the Board for approval:

- a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs
 - 1) Labor/Fringes/Non-Direct Labor Factor
 - Segment 4 \$ 3,768.60
 - Segment 4 NESPS Gatehouse \$ 457.08
 - Segment 4 NESPS Odor Corrosion Study \$ 14,418.45
 - 2) Equipment Charges
 - Segment 4 \$ 361.68
 - Segment 4 NESPS Gatehouse \$ 16.44
 - Segment 4 NESPS Odor Corrosion Study \$ 2,101.94
 - 3) Mileage
 - Segment 4 \$ 879.75
- b) Applied Science, Inc.
Invoice No. 17 NESPS M&E \$ 78,077.07
- c) CDM Smith
Invoice No. 90102210 O&M \$ 3,002.35
- d) D'Angelo Brothers
Invoice No. 6532-WRCOMID O&M \$ 5,709.56
- e) Dickinson Wright
 - 1) Invoice No. 1482413 O&M \$ 840.00
 - 2) Invoice No. 1482474 O&M \$ 9,625.00
- f) Inland Lakes Landscaping Corp.
 - 1) Invoice No. 24616 O&M \$ 500.00
 - 2) Invoice No. 24617 O&M \$ 500.00
- g) METCO
Invoice No. 1811-18 O&M \$ 43,825.12
- h) NTH Consultants, Ltd
 - 1) NI-EA – Engineering Design Services for Rehabilitation of NI-EA Sections
PCI-4
Invoice No. 13 NI-EA \$ 81,652.26
 - 2) REPAIRS – OMID System Immediate Repairs
Invoice No. 17 OIR \$ 280.24
 - 3) CCA and Construction Observation Services
Invoice No. 51 Seg. 4 \$ 96.81
 - 4) CS9 – Hydraulic Control Gate
Invoice No. 3 O&M \$ 20,937.64
 - 5) Safety Manual and Crane Support Eval.
Invoice No. 1 O&M \$ 11,417.97
- i) Rotor Electric Co.
 - 1) Invoice No. 12317 O&M \$ 13,710.10
 - 2) Invoice No. 12327 O&M \$ 5,648.07

3)	Invoice No. 12328	O&M	\$	967.50
4)	Invoice No. 12330	O&M	\$	4,900.89
j)	Walsh Construction			
	Invoice No. 22008 Pre-Con 5	NESPS M&E	\$	178,948.17

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

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

12. Other Business. None.

13. Adjourn.

Motion by Vaara, supported by Miller, to adjourn the July 15, 2020 meeting at 1:05 p.m.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

Next Regular Meeting: August 26, 2020 at 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the location and manner of the August meeting has yet 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 July 15, 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 2020-75 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

2020 Bond Sale

August 24, 2020

Oakland Macomb Interceptor Drain Drainage District

Michael Gregg, Chairman

Commissioner Candice Miller, Macomb County Public Works Commissioner

Commissioner Jim Nash, Oakland County Water Resources Commissioner

Re: Oakland Macomb Interceptor Drain Drainage District Bonds, Series 2020A

Mr. Gregg, Commissioner Miller, and Commissioner Nash:

MFCI is pleased to present the bond sale results of the Oakland Macomb Interceptor Drain Drainage District Bonds, Series 2020A. The Bonds were sold at a competitive sale on August 19, 2020, and received eight bids. The Bonds were awarded to Citigroup Global Markets, Inc. at an interest rate, after resizing, of 1.7130131%.

The final Sources and Uses of the Bonds are as follows:

Sources of Funds

Par Value of Bonds	\$	57,215,000.00
Original Issue Premium		7,672,724.75
Local Unit Prepayments		18,996,523.74
Total Sources	\$	83,884,248.49

Uses of Funds

Deposit to Construction Fund	\$	83,122,142.00
Underwriter's Discount		514,935.00
Estimated Costs of Issuance		247,171.49
Total Uses	\$	83,884,248.49

The total principal and interest payments will be about 5% less than what was previously communicated to the local municipalities. Importantly, the Drainage District continues to maintain significant capacity to borrow and complete the planned OMID capital projects within the savings realized from the 2019 GLWA negotiations.

Sincerely,



Steven Burke, CFA
MFCI, LLC

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Table of Contents

Report

Sources & Uses	1
Debt Service Schedule	2
Pricing Summary	3
Proof of D/S for Arbitrage Purposes	4
Proof of Bond Yield @ 1.5857581%	5
Proof of True Interest Cost (TIC) @ 1.7130131%	6
Operation Of Project Construction Fund	7
Summary Of Underwriter's Discount	8
Detail Costs Of Issuance	9

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Sources & Uses

Dated 09/03/2020 | Delivered 09/03/2020

Sources Of Funds

Par Amount of Bonds	\$57,215,000.00
Reoffering Premium	7,672,724.75
Local Unit Prepayments	18,996,523.74

Total Sources	\$83,884,248.49
----------------------	------------------------

Uses Of Funds

Total Underwriter's Discount (0.900%)	514,935.00
Costs of Issuance	243,795.79
Deposit to Project Construction Fund	83,122,142.00
Contingency Amount	3,375.70

Total Uses	\$83,884,248.49
-------------------	------------------------

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+I
01/01/2021	-	-	633,233.89	633,233.89
07/01/2021	975,000.00	5.000%	965,950.00	1,940,950.00
01/01/2022	-	-	941,575.00	941,575.00
07/01/2022	1,395,000.00	5.000%	941,575.00	2,336,575.00
01/01/2023	-	-	906,700.00	906,700.00
07/01/2023	1,460,000.00	5.000%	906,700.00	2,366,700.00
01/01/2024	-	-	870,200.00	870,200.00
07/01/2024	1,535,000.00	5.000%	870,200.00	2,405,200.00
01/01/2025	-	-	831,825.00	831,825.00
07/01/2025	1,610,000.00	5.000%	831,825.00	2,441,825.00
01/01/2026	-	-	791,575.00	791,575.00
07/01/2026	2,495,000.00	5.000%	791,575.00	3,286,575.00
01/01/2027	-	-	729,200.00	729,200.00
07/01/2027	2,620,000.00	5.000%	729,200.00	3,349,200.00
01/01/2028	-	-	663,700.00	663,700.00
07/01/2028	2,750,000.00	5.000%	663,700.00	3,413,700.00
01/01/2029	-	-	594,950.00	594,950.00
07/01/2029	2,890,000.00	5.000%	594,950.00	3,484,950.00
01/01/2030	-	-	522,700.00	522,700.00
07/01/2030	3,035,000.00	5.000%	522,700.00	3,557,700.00
01/01/2031	-	-	446,825.00	446,825.00
07/01/2031	3,190,000.00	4.000%	446,825.00	3,636,825.00
01/01/2032	-	-	383,025.00	383,025.00
07/01/2032	3,315,000.00	4.000%	383,025.00	3,698,025.00
01/01/2033	-	-	316,725.00	316,725.00
07/01/2033	3,455,000.00	3.000%	316,725.00	3,771,725.00
01/01/2034	-	-	264,900.00	264,900.00
07/01/2034	3,555,000.00	2.000%	264,900.00	3,819,900.00
01/01/2035	-	-	229,350.00	229,350.00
07/01/2035	3,630,000.00	2.000%	229,350.00	3,859,350.00
01/01/2036	-	-	193,050.00	193,050.00
07/01/2036	3,705,000.00	2.000%	193,050.00	3,898,050.00
01/01/2037	-	-	156,000.00	156,000.00
07/01/2037	3,785,000.00	2.000%	156,000.00	3,941,000.00
01/01/2038	-	-	118,150.00	118,150.00
07/01/2038	3,860,000.00	2.000%	118,150.00	3,978,150.00
01/01/2039	-	-	79,550.00	79,550.00
07/01/2039	3,940,000.00	2.000%	79,550.00	4,019,550.00
01/01/2040	-	-	40,150.00	40,150.00
07/01/2040	4,015,000.00	2.000%	40,150.00	4,055,150.00
01/01/2041	-	2.000%	-	-
Total	\$57,215,000.00	-	\$19,759,483.89	\$76,974,483.89

Yield Statistics

Bond Year Dollars	\$696,421.31
Average Life	12.172 Years
Average Coupon	2.8372888%
Net Interest Cost (NIC)	1.8094929%
True Interest Cost (TIC)	1.7130131%
Bond Yield for Arbitrage Purposes	1.5857581%
All Inclusive Cost (AIC)	1.7505197%

IRS Form 8038

Net Interest Cost	1.5860643%
Weighted Average Maturity	11.744 Years

OMID 2020-FINAL3 | SINGLE PURPOSE | 8/19/2020 | 12:07 PM

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Pricing Summary

of												
Maturity	Type	Bond	Coupon	Yield	Par	Maturity Value	Price	YTM	Call Date	Call Price	Dollar Price	
07/01/2021	Serial Coupon		5.000%	0.200%	100.000%	975,000.00	103.967%	-	-	-	1,013,678.25	
07/01/2022	Serial Coupon		5.000%	0.250%	100.000%	1,395,000.00	108.656%	-	-	-	1,515,751.20	
07/01/2023	Serial Coupon		5.000%	0.300%	100.000%	1,460,000.00	113.224%	-	-	-	1,653,070.40	
07/01/2024	Serial Coupon		5.000%	0.350%	100.000%	1,535,000.00	117.664%	-	-	-	1,806,142.40	
07/01/2025	Serial Coupon		5.000%	0.400%	100.000%	1,610,000.00	121.972%	-	-	-	1,963,749.20	
07/01/2026	Serial Coupon		5.000%	0.500%	100.000%	2,495,000.00	125.814%	-	-	-	3,139,059.30	
07/01/2027	Serial Coupon		5.000%	0.620%	100.000%	2,620,000.00	129.236%	-	-	-	3,385,983.20	
07/01/2028	Serial Coupon		5.000%	0.760%	100.000%	2,750,000.00	132.161%	-	-	-	3,634,427.50	
07/01/2029	Serial Coupon		5.000%	0.840%	100.000%	2,890,000.00	135.322%	-	-	-	3,910,805.80	
07/01/2030	Serial Coupon		5.000%	0.950%	100.000%	3,035,000.00	137.913%	-	-	-	4,185,659.55	
07/01/2031	Serial Coupon		4.000%	1.100%	100.000%	3,190,000.00	126.942% c	1.321%	07/01/2030	100.000%	4,049,449.80	
07/01/2032	Serial Coupon		4.000%	1.220%	100.000%	3,315,000.00	125.671% c	1.608%	07/01/2030	100.000%	4,165,993.65	
07/01/2033	Serial Coupon		3.000%	1.600%	100.000%	3,455,000.00	112.683% c	1.882%	07/01/2030	100.000%	3,893,197.65	
07/01/2034	Serial Coupon		2.000%	1.800%	100.000%	3,555,000.00	101.793% c	1.852%	07/01/2030	100.000%	3,618,741.15	
07/01/2035	Serial Coupon		2.000%	1.850%	100.000%	3,630,000.00	101.341% c	1.896%	07/01/2030	100.000%	3,678,678.30	
07/01/2036	Serial Coupon		2.000%	1.900%	100.000%	3,705,000.00	100.891% c	1.934%	07/01/2030	100.000%	3,738,011.55	
07/01/2038	Term 1 Coupon		2.000%	2.000%	100.000%	7,645,000.00	100.000%	-	-	-	7,645,000.00	
07/01/2040	Term 2 Coupon		2.000%	2.050%	100.000%	7,955,000.00	99.187%	-	-	-	7,890,325.85	
Total		-	-	-	-	\$57,215,000.00	-	-	-	-	\$64,887,724.75	

Bid Information

Par Amount of Bonds	\$57,215,000.00
Reoffering Premium or (Discount)	7,672,724.75
Gross Production	\$64,887,724.75
Total Underwriter's Discount (0.900%)	\$(514,935.00)
Bid (112.510%)	64,372,789.75
Total Purchase Price	\$64,372,789.75
Bond Year Dollars	\$696,421.31
Average Life	12.172 Years
Average Coupon	2.8372888%
Net Interest Cost (NIC)	1.8094929%
True Interest Cost (TIC)	1.7130131%

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Proof of D/S for Arbitrage Purposes

Date	Principal	Interest	Total
09/03/2020	-	-	-
01/01/2021	-	633,233.89	633,233.89
07/01/2021	975,000.00	965,950.00	1,940,950.00
01/01/2022	-	941,575.00	941,575.00
07/01/2022	1,395,000.00	941,575.00	2,336,575.00
01/01/2023	-	906,700.00	906,700.00
07/01/2023	1,460,000.00	906,700.00	2,366,700.00
01/01/2024	-	870,200.00	870,200.00
07/01/2024	1,535,000.00	870,200.00	2,405,200.00
01/01/2025	-	831,825.00	831,825.00
07/01/2025	1,610,000.00	831,825.00	2,441,825.00
01/01/2026	-	791,575.00	791,575.00
07/01/2026	2,495,000.00	791,575.00	3,286,575.00
01/01/2027	-	729,200.00	729,200.00
07/01/2027	2,620,000.00	729,200.00	3,349,200.00
01/01/2028	-	663,700.00	663,700.00
07/01/2028	2,750,000.00	663,700.00	3,413,700.00
01/01/2029	-	594,950.00	594,950.00
07/01/2029	2,890,000.00	594,950.00	3,484,950.00
01/01/2030	-	522,700.00	522,700.00
07/01/2030	12,995,000.00	522,700.00	13,517,700.00
01/01/2031	-	264,900.00	264,900.00
07/01/2031	-	264,900.00	264,900.00
01/01/2032	-	264,900.00	264,900.00
07/01/2032	-	264,900.00	264,900.00
01/01/2033	-	264,900.00	264,900.00
07/01/2033	-	264,900.00	264,900.00
01/01/2034	-	264,900.00	264,900.00
07/01/2034	3,555,000.00	264,900.00	3,819,900.00
01/01/2035	-	229,350.00	229,350.00
07/01/2035	3,630,000.00	229,350.00	3,859,350.00
01/01/2036	-	193,050.00	193,050.00
07/01/2036	3,705,000.00	193,050.00	3,898,050.00
01/01/2037	-	156,000.00	156,000.00
07/01/2037	3,785,000.00	156,000.00	3,941,000.00
01/01/2038	-	118,150.00	118,150.00
07/01/2038	3,860,000.00	118,150.00	3,978,150.00
01/01/2039	-	79,550.00	79,550.00
07/01/2039	3,940,000.00	79,550.00	4,019,550.00
01/01/2040	-	40,150.00	40,150.00
07/01/2040	4,015,000.00	40,150.00	4,055,150.00
Total	\$57,215,000.00	\$19,055,733.89	\$76,270,733.89

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Proof of Bond Yield @ 1.5857581%

Date	Cashflow	PV Factor	Present Value	Cumulative PV
09/03/2020	-	1.0000000x	-	-
01/01/2021	633,233.89	0.9948361x	629,963.94	629,963.94
07/01/2021	1,940,950.00	0.9870103x	1,915,737.67	2,545,701.62
01/01/2022	941,575.00	0.9792461x	922,033.63	3,467,735.24
07/01/2022	2,336,575.00	0.9715429x	2,270,082.90	5,737,818.14
01/01/2023	906,700.00	0.9639004x	873,968.45	6,611,786.59
07/01/2023	2,366,700.00	0.9563179x	2,263,317.60	8,875,104.19
01/01/2024	870,200.00	0.9487951x	825,641.51	9,700,745.70
07/01/2024	2,405,200.00	0.9413315x	2,264,090.51	11,964,836.21
01/01/2025	831,825.00	0.9339266x	776,863.48	12,741,699.69
07/01/2025	2,441,825.00	0.9265799x	2,262,546.03	15,004,245.73
01/01/2026	791,575.00	0.9192911x	727,687.82	15,731,933.55
07/01/2026	3,286,575.00	0.9120595x	2,997,552.06	18,729,485.61
01/01/2027	729,200.00	0.9048849x	659,842.06	19,389,327.67
07/01/2027	3,349,200.00	0.8977667x	3,006,800.19	22,396,127.86
01/01/2028	663,700.00	0.8907045x	591,160.56	22,987,288.42
07/01/2028	3,413,700.00	0.8836978x	3,016,679.26	26,003,967.68
01/01/2029	594,950.00	0.8767463x	521,620.20	26,525,587.88
07/01/2029	3,484,950.00	0.8698494x	3,031,381.78	29,556,969.66
01/01/2030	522,700.00	0.8630068x	451,093.67	30,008,063.33
07/01/2030	13,517,700.00	0.8562181x	11,574,098.85	41,582,162.18
01/01/2031	264,900.00	0.8494827x	225,027.96	41,807,190.14
07/01/2031	264,900.00	0.8428003x	223,257.80	42,030,447.94
01/01/2032	264,900.00	0.8361705x	221,501.56	42,251,949.50
07/01/2032	264,900.00	0.8295928x	219,759.14	42,471,708.64
01/01/2033	264,900.00	0.8230669x	218,030.42	42,689,739.06
07/01/2033	264,900.00	0.8165923x	216,315.30	42,906,054.36
01/01/2034	264,900.00	0.8101686x	214,613.67	43,120,668.03
07/01/2034	3,819,900.00	0.8037955x	3,070,418.49	46,191,086.52
01/01/2035	229,350.00	0.7974725x	182,900.32	46,373,986.85
07/01/2035	3,859,350.00	0.7911993x	3,053,514.91	49,427,501.75
01/01/2036	193,050.00	0.7849754x	151,539.49	49,579,041.25
07/01/2036	3,898,050.00	0.7788004x	3,035,802.98	52,614,844.22
01/01/2037	156,000.00	0.7726741x	120,537.15	52,735,381.38
07/01/2037	3,941,000.00	0.7665959x	3,021,154.33	55,756,535.71
01/01/2038	118,150.00	0.7605655x	89,860.81	55,846,396.52
07/01/2038	3,978,150.00	0.7545826x	3,001,842.69	58,848,239.22
01/01/2039	79,550.00	0.7486467x	59,554.85	58,907,794.06
07/01/2039	4,019,550.00	0.7427575x	2,985,551.11	61,893,345.17
01/01/2040	40,150.00	0.7369147x	29,587.13	61,922,932.29
07/01/2040	4,055,150.00	0.7311178x	2,964,792.46	64,887,724.75
Total	\$76,270,733.89	-	\$64,887,724.75	-

Derivation Of Target Amount

Par Amount of Bonds	\$57,215,000.00
Reoffering Premium or (Discount)	7,672,724.75
Original Issue Proceeds	\$64,887,724.75

OMID 2020-FINAL3 | SINGLE PURPOSE | 8/19/2020 | 12:07 PM

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Proof of True Interest Cost (TIC) @ 1.7130131%

Date	Cashflow	PV Factor	Present Value	Cumulative PV
09/03/2020	-	1.0000000x	-	-
01/01/2021	633,233.89	0.9944246x	629,703.38	629,703.38
07/01/2021	1,940,950.00	0.9859797x	1,913,737.21	2,543,440.59
01/01/2022	941,575.00	0.9776064x	920,489.74	3,463,930.33
07/01/2022	2,336,575.00	0.9693042x	2,264,852.05	5,728,782.37
01/01/2023	906,700.00	0.9610726x	871,404.52	6,600,186.89
07/01/2023	2,366,700.00	0.9529108x	2,255,254.09	8,855,440.98
01/01/2024	870,200.00	0.9448184x	822,180.98	9,677,621.96
07/01/2024	2,405,200.00	0.9367947x	2,253,178.62	11,930,800.59
01/01/2025	831,825.00	0.9288391x	772,631.61	12,703,432.20
07/01/2025	2,441,825.00	0.9209511x	2,248,801.49	14,952,233.70
01/01/2026	791,575.00	0.9131301x	722,810.97	15,675,044.66
07/01/2026	3,286,575.00	0.9053755x	2,975,584.52	18,650,629.18
01/01/2027	729,200.00	0.8976868x	654,593.19	19,305,222.37
07/01/2027	3,349,200.00	0.8900633x	2,981,000.05	22,286,222.43
01/01/2028	663,700.00	0.8825046x	585,718.31	22,871,940.73
07/01/2028	3,413,700.00	0.8750101x	2,987,021.93	25,858,962.66
01/01/2029	594,950.00	0.8675792x	516,166.25	26,375,128.92
07/01/2029	3,484,950.00	0.8602114x	2,997,793.88	29,372,922.80
01/01/2030	522,700.00	0.8529062x	445,814.10	29,818,736.90
07/01/2030	3,557,700.00	0.8456631x	3,008,615.57	32,827,352.47
01/01/2031	446,825.00	0.8384814x	374,654.47	33,202,006.94
07/01/2031	3,636,825.00	0.8313608x	3,023,513.67	36,225,520.61
01/01/2032	383,025.00	0.8243006x	315,727.73	36,541,248.35
07/01/2032	3,698,025.00	0.8173004x	3,022,397.17	39,563,645.52
01/01/2033	316,725.00	0.8103596x	256,661.14	39,820,306.66
07/01/2033	3,771,725.00	0.8034777x	3,030,497.08	42,850,803.74
01/01/2034	264,900.00	0.7966543x	211,033.74	43,061,837.47
07/01/2034	3,819,900.00	0.7898889x	3,017,296.59	46,079,134.06
01/01/2035	229,350.00	0.7831809x	179,622.54	46,258,756.60
07/01/2035	3,859,350.00	0.7765299x	2,996,900.55	49,255,657.15
01/01/2036	193,050.00	0.7699353x	148,636.01	49,404,293.16
07/01/2036	3,898,050.00	0.7633968x	2,975,758.82	52,380,051.98
01/01/2037	156,000.00	0.7569138x	118,078.55	52,498,130.53
07/01/2037	3,941,000.00	0.7504858x	2,957,664.55	55,455,795.08
01/01/2038	118,150.00	0.7441124x	87,916.88	55,543,711.97
07/01/2038	3,978,150.00	0.7377932x	2,935,051.96	58,478,763.93
01/01/2039	79,550.00	0.7315276x	58,193.02	58,536,956.95
07/01/2039	4,019,550.00	0.7253152x	2,915,440.84	61,452,397.79
01/01/2040	40,150.00	0.7191556x	28,874.10	61,481,271.89
07/01/2040	4,055,150.00	0.7130483x	2,891,517.86	64,372,789.75
Total	\$76,974,483.89	-	\$64,372,789.75	-

Derivation Of Target Amount

Par Amount of Bonds	\$57,215,000.00
Reoffering Premium or (Discount)	7,672,724.75
Total Underwriter's Discount (0.900%)	\$(514,935.00)

Total Purchase Price	\$64,372,789.75
----------------------	-----------------

OMID 2020-FINAL3 | SINGLE PURPOSE | 8/19/2020 | 12:07 PM

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Operation Of Project Construction Fund

Date	Principal	Rate	Receipts	Disbursements	Cash Balance
09/03/2020	83,122,142.00	-	83,122,142.00	83,122,142.00	-
Total	\$83,122,142.00	-	\$83,122,142.00	\$83,122,142.00	-

Investment Parameters

Investment Model [PV, GIC, or Securities]	GIC
Default investment yield target	Unrestricted

Cost of Investments Purchased with Bond Proceeds	83,122,142.00
Total Cost of Investments	\$83,122,142.00
Target Cost of Investments at bond yield	\$83,122,142.00
Yield to Receipt	-
Yield for Arbitrage Purposes	1.5857581%

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Summary Of Underwriter's Discount

Maturity	Concession	+ Takedown	= Total	Issuance Value
07/01/2021	-	-	-	975,000.00
07/01/2022	-	-	-	1,395,000.00
07/01/2023	-	-	-	1,460,000.00
07/01/2024	-	-	-	1,535,000.00
07/01/2025	-	-	-	1,610,000.00
07/01/2026	-	-	-	2,495,000.00
07/01/2027	-	-	-	2,620,000.00
07/01/2028	-	-	-	2,750,000.00
07/01/2029	-	-	-	2,890,000.00
07/01/2030	-	-	-	3,035,000.00
07/01/2031	-	-	-	3,190,000.00
07/01/2032	-	-	-	3,315,000.00
07/01/2033	-	-	-	3,455,000.00
07/01/2034	-	-	-	3,555,000.00
07/01/2035	-	-	-	3,630,000.00
07/01/2036	-	-	-	3,705,000.00
07/01/2038	-	-	-	7,645,000.00
07/01/2040	-	-	-	7,955,000.00
Total	-	-	-	\$57,215,000.00

Underwriting & Issuance Expenses

Total Underwriting Risk (0.900%)	\$514,935.00
TOTAL UNDERWRITING SPREAD (0.900%)	\$514,935.00

Oakland-Macomb Interceptor Drain Drainage District

County of Oakland and County of Macomb, State of Michigan

\$57,215,000

Detail Costs Of Issuance

Dated 09/03/2020 | Delivered 09/03/2020

COSTS OF ISSUANCE DETAIL

Financial Advisor	\$69,565.79
Bond Counsel	\$130,730.00
Rating Agency Fee	\$34,500.00
MAC Fee	\$400.00
State of Michigan Fee	\$1,000.00
NOS Publication	\$1,705.00
Muniplatform Fee	\$795.00
Lumesis Continuing Disclosure Lookback	\$5,100.00
TOTAL	\$243,795.79

Agenda Item No. 6

**NESPS Generator Fuel System Upgrades and
PLC Replacement Proposal**



Oakland-Macomb Interceptor Drain Drainage District

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

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

SUBJECT: NESPS Generator Fuel System Upgrades and PLC Replacement Proposals

DATE: August 26, 2020

The onsite generator system at the Northeast Sewage Pumping Station (NESPS) has been inspected and found to have several deficiencies to its fuel system including but not necessarily limited to the following:

1. Corroded fuel lines between the generator and diesel fuel above-ground storage tank (AST).
2. Flaking paint on the AST with some evidence of corrosion.
3. Non-functioning fuel monitoring system.

While the system is still functional overall, these issues must be corrected before further damage occurs including loss of use of the generators and/or leakage of diesel fuel. PM Technologies has retained MATZAK to replace the fuel lines and monitoring system, as well as clean and paint the AST for the lump sum amount of \$47,715.38. Please see the appended PM Technologies proposal for reference.

In addition, we have been made aware that the existing programmable logic controller (PLC) for the NESPS onsite generators is obsolete and in need of replacement to reduce the risk of failure in the event of a power outage. Consequently, PM Technologies has retained PCI Industrial Automation to perform the replacement of the PLC for \$156,884.48. Please see the appended PM Technologies proposal for reference.

Both proposals have been reviewed and recommended by METCO. The 2020 and 2021 OMIDDD approved budgets have included funding for these projects and there is sufficient contract allowance on the contract with PM Technologies to facilitate them. As such, Board action on these proposals is not required. However, the OMIDDD team believed it prudent to present this to the Board for their awareness due to the significant costs involved.

RECOMMENDED ACTION: Receive and file the appended proposals.

8.11.2020

RE: OMIDDD – NESPS Fuel System Upgrades - RevF

11001 E State Fair

Detroit, MI 48234

ATTN: Terry Moore

Terry,

Thank you for the opportunity to work with you on this project. PM Technologies is pleased to provide this quote for generator fuel system maintenance, repair and upgrades at the Northeast Sanitary Pump Station.

Project Overview:

The current generators and fuel system were installed in 1999. The purpose of this quote is to improve the condition of the fuel system and implement an annual maintenance program in accordance with current recommended and required guidelines.

Proposed Corrective Action:

- Implementation of annual inspection schedule in accordance with Steel Tank Institute SP001 guidelines - <https://www.steeltank.com/SP001StandardFAQs/tabid/463/Default.aspx>
- Rehabilitation of existing main tanks
- Replacement of existing fuel piping between main fuel tanks and generator enclosures
- Replacement of Fuel Tank Monitoring System

PM Technologies will be partnering with Matzak to provide these products and services.

MAINTENANCE INSPECTION

SP001 STANDARD

Matzak Inspection will adhere to the SP001 Standards for Aboveground Storage Tanks (ASTs) issue under the planning requirements of the U.S. Environmental Protection Agency's rule for Spill Prevention Control and Countermeasure (SPCC). Steel Tank Institute in 2000 released the first version of Standard for the Inspection of Aboveground Storage Tanks – the STI SP001 standard – which provides a means for AST owners to comply with EPA mandates. The standard, now in its fifth edition, has been updated by consensus of tank owners, tank manufacturers and other industry leaders.

- Tank Containment – visible appearance of holes, paint failure and leakage
- Tank Foundation and Supports- visible exam of settlement, cracking or water drainage
- Tank Shell, visible signs of dents, buckling, bulging or corrosion
- Tank and Dispenser Equipment- All equipment is through meet LARA regulations devices to ensure proper operation (40 CFR 112.8(c)(8)(v))
- Check all Safety equipment. Fire extinguishers, emergency stop, etc.
- Miscellaneous- exam electric boxes, conduit, seals

Item Description	Fee Schedule	Contract Term	Cost
Annual AST Inspection – (2) 6000 Gallon Main Tanks	\$ 500 per location (2 AST)	Annual	\$500.00
Annual Total			\$500.00



IMPROVEMENTS AND UPGRADES

1. MAIN TANK REHABILITATION

- Power wash ASTs to remove surface dirt
- Remove spot corrosion from ASTs and associated components by grinding and scraping methods; prepare exposed metal surfaces
- Remove and replace probe risers with 4" schedule 40 black pipe
- Remove and replace hardware on manways
- Apply up to (2) coats of Sherwin Williams Industrial Enamel 125.03 on repaired areas and entire tank surface, associated components and new risers, allow to cure
- Apply NFPA and No Smoking labels on tanks

2. AST INSTALLATION OF DIESEL FUEL LINES, PIPE AND FITTING REPLACEMENT

Existing diesel fuel supply/return line system between the two (2) primary 6000 gallon AST's and the three (3) generators has several issues and runs the risk of failure if action is not taken to correct and improve the system. This quote includes the required materials, labor, and testing to perform the following:

- Isolate AST #2 to provide fuel to the generators during piping replacement of AST #1; ensure all day tanks are full of fuel.
- Disconnect and remove heat trace system, abandon electrical at junction box by ASTs.
- Remove and dispose of fuel oil supply and return piping on AST #1
- Install mechanical bypass around solenoid valve on top of ASTs
- Install new FOS and FOR schedule 40 black pipe (line size will match existing) from existing solenoid valve on tank #1 to manifold area after tank #2 (piping will be installed horizontally across the tank tops); complete the new fuel line installation by extending to each of the (3) engine modules penetrating the module at the day tank inlet elevation; brace all new lines accordingly
- Prime new lines and cut system over to new pipe system on AST #1; Install new FOS and FOR piping in same configuration on AST #2, tying into manifold area; prime new lines for AST #2
- Coat all new piping with Sherwin Williams Industrial Enamel 125.03, add new labels to new lines indicating flow direction

Exclusions/Notes:

- Replacement of heat trace system excluded – deemed unnecessary.
- Replacement of tank monitoring system excluded
- Replacement of fuel lines/piping inside generator enclosures excluded
- All work to be performed during normal business hours
- Full scope of fuel piping project will take approximately 3-4 weeks

3. REMOTE FILL PIPING UPGRADE

- Remove and dispose of existing remote fill box and remote fill piping system to both ASTs, including supporting brackets
- Supply and install (2) remote fill boxes, one in front of each AST end, mount fill box to concrete slab
- Install 2" black pipe from back of fill container up to top of AST and connect to existing OPV adapter
- Coat pipe with Sherwin Williams Industrial Enamel 125.03, label fill box with diesel placards
- Install 2" dry disconnect adapters with dust caps



Pricing for Items 1-3

Subcontractor Materials	\$8,998.00
Subcontractor Labor	\$23,760.00
Electrical Contractor Costs	\$600.00
PM Technologies Markup	\$3,669.38
PM Technologies On site labor for Support and Testing	\$1,550.00
Total	\$38,577.38

Matzak Pricing Breakdown

**Labor - Equipment - Travel				*Material		
Quantity	Item	Hours	Rate	Quantity	Item	Price
4	Technician - ST	66	\$90.00	8	NFPA placards	\$20.00
				8	no smoking placards	\$20.00
				8	Sherwin Williams Enamel	\$55.00
				2	4" black risers	\$100.00
				2	manway hardware	\$50.00
				1	pipe/fittings/valves	\$3,500.00
				6	module entry fittings	\$125.00
				1	brackets / supports	\$450.00
				1	enamel/labels	\$250.00
				2	Morrison Remote Fill Box	\$1,059.00
				2	2" dry disconnect adapters	\$175.00
				2	2" dust caps	\$60.00
				2	2" pipe / brackets/fittings	\$200.00



4. TANK MONITORING/GAUGE REPLACEMENT

- Remove existing EBW Autostick ATG from NEMA enclosure, salvaging power and grounding wiring
- Remove existing EBW Autostick probes and interstitial sensors from ASTs, salvage existing conduit infrastructure
- Install (1) new Morrison Brothers 1218C ATG tank monitor inside existing NEMA enclosure, connect to existing power and grounding wiring – [spec sheet](#)
- Supply and install (1) Morrison 918A overfill alarm on exterior of NEMA enclosure
- Supply and install (1) Morrison 1218S sensor and (1) Morrison 924LS sensor in each AST for product monitoring and interstitial tank monitoring
- Start system up and program for each AST
- Provide owner training

Pricing for Item 4

Subcontractor Materials	\$5,238.00
Subcontractor Labor/Equipment	\$1,440.00
Electrical Contractor Costs	\$1,150.00
PM Technologies Markup	\$860.00
PM Technologies On site labor for Support and Testing	\$450.00
Total	\$9,138.00

Matzak Pricing Breakdown

**Labor - Equipment - Travel				*Material		
Quantity	Item	Hours	Rate	Quantity	Item	Price
2	Technician - ST	8	\$90.00	1	Morrison 1218C ATG	\$2,107.00
				1	Morrison 918A overfill alarm	\$655.00
				2	Morrison 1218S sensors	\$1,007.00
				2	Morrison 924LS sensors	\$231.00

Payment Terms:

- Net 30 Days

Any additional work performed outside the above scope of work(s) will be invoiced on a time and material basis in accordance with a duly signed change order.



Thank you for the opportunity to provide this proposal and I look forward to your questions and comments.

Sincerely,



Jeff Zilke
Preventive Maintenance Technologies, LLC
Phone: 248.921.1637
jzilke@pmtech.org

If you would like to order based on the above Bill of Material, Quotation Price and Terms of Sale, please complete and sign below:

ACCEPTED BY:

COMPANY

AUTHORIZED SIGNATURE TO RELEASE MATERIAL

PRINT NAME

DATE

PO #



7.20.2020

RE: OMIDDD – NESPS Generator Control/PLC Upgrades RevC

ATTN: Terry Moore

Terry,

Thank you for the opportunity to work with you on this project. PM Technologies is pleased to provide this quote for the provision, installation and commissioning of new generator controls and PLC package for the Northeast Sanitary Pump Station.

Project Overview:

The current generators and control package were installed in 1999. The existing Rockwell PLC-5 hardware and software is obsolete and no longer supported and/or available. In addition, the system utilizes one (1) Woodward MSLC Master Synchronizer Load Control and three (3) DSLC Digital Synchronizer Load Control. These components are also obsolete and no longer supported or available.

Proposed Corrective Action:

PM Technologies will be partnering with PCI Industrial Automation for the replacement of the PLC Architecture. PCI will perform the following scope of work:

Control System Design:

- Develop PLC architecture for a 3-Generator system
- Redundant PLCs
- Modbus communication
- DLR network
- FlexIO communication
- Ovation communication

Programming:

- Migrate the existing generator programming into the new PLC platform
 - Modify I/O mapping
- Implement DLR network
 - Ethernet-based
 - Fiber uplink to the Ovation system
- Develop Modbus communication mapping for new module
 - Data links to existing switchgear equipment
- Develop HMI graphic screens
 - Local generator system monitoring
- Modify Ovation logic and database
 - PLC data mapping
 - Remote control capability

Hardware Procurement:

- Procure the PLC hardware required for the controls upgrade
 - Redundant PLC setup
- ControlLogix L72 PLC processors
- RM2 Redundancy module
- EN2TR dual-port ethernet module
 - Modbus module
- ProSoft dual-port Modbus RTU
- CompactLogix chassis
 - FlexIO Ethernet communication modules
 - PanelView Plus 7 HMI
 - Stratix 5700 Switch
- Procure ethernet and fiber patch cables for network installation

Installation:

- Submit shutdown request to GLWA
- Remove existing PLC equipment
 - PLC-5 chassis and modules
 - DH+ data link cables
 - FlexIO DH+ Communication modules
 - PanelMate HMI screen
- Install new PLC equipment
 - Redundant PLCs & Modbus chassis
 - FlexIO Ethernet communication modules
 - PanelView Plus 7 HMI
 - Stratix switch
 - Cat6 ethernet cables

Startup, Testing & Training:

- Conduct a Generator System Pre-Test prior to system upgrade
 - Verify and document system operation
 - Note all deficiencies or issues
- Conduct a Generator System Test after upgraded system installation
 - Local generator operation
 - Remote (Ovation) generator operation
 - Generator monitoring through the Ovation system
 - Conduct one (1) training session on the new generator controls hardware and remote system Operation

General Clarifications for PLC installation:

- Only the generator PLC control system is being replaced
- Switchgear, breakers, relays, etc. are being re-used
- Existing signal wiring will be reused
- Existing FlexIO IO modules will be reused
- Existing fiber to the Ovation system will be reused
- New as-built drawings will be produced to include integration of new controls.
- All program backups (PLC and HMI) and PLC source code will be turned over as part of the project closeout.
- Hardware and software modifications carries twelve (12) month standard warranty from Rockwell and PCI, respectively.
- Licensing for programming software (Studio 5000, FactoryTalk ME) not included in pricing.



Synchronizer Replacement:

- Removal of existing Woodward MSLC and DSLC controls.
- Installation of updated MSLC-2 and DSLC-2 synchronizing controls.
 - Three (3) DSLC-2 - 5A CT units
 - One (1) MSLC-2 - 5A CT unit
 - Modification of wiring and terminals to integrate new components.
- Operational testing of system to prove paralleling capability of each generator to generator and generator system to utility buss.
- Hardware carries an eighteen (18) month warranty from date of shipment from Woodward Controls.
- Woodward Toolkit configuration software can be downloaded from Woodward Controls website

Terms & Conditions:

- This proposal is valid for 90 days from the date of quote.
- Shipping costs are included
- If the purchase order is cancelled after being awarded, all labor and/or materials used on the project will be invoiced up to the time the written cancellation notice is received.
- Total project timeline is 4-8 weeks from date of order approval
- All hardware carries a One (1) Year manufacturers warranty. All installation services carry a Ninety (90) day workmanship warranty.

PLC Hardware	\$46,995.00
Design	\$3,000.00
Programming	\$43,473.00
Installation	\$8,850.00
Total Subcontractor Fees - PCI	\$102,318.00
PM Technologies Markup	\$11,254.98
Synchronizer Upgrade Package - Materials	\$29,562.00
PM Technologies Labor for Support and Installation Services	\$4,999.50
Total Package Price	\$148,134.48

OPTIONAL

Customer software license from Rockwell (one-time fee)	\$8,750
---	----------------



Payment Terms:

- Net 30 days

Sincerely,



Jeff Zilke

Preventive Maintenance Technologies, LLC

Phone: 248.921.1637

jzilke@pmttech.org

If you would like to order based on the above Bill of Material, Quotation Price and Terms of Sale, please complete and sign below:

ACCEPTED BY:

COMPANY

AUTHORIZED SIGNATURE TO RELEASE MATERIAL

PRINT NAME

DATE

PO #



Agenda Item No. 7

Change Order

CHANGE ORDER NO. 5

Oakland-Macomb Interceptor Drain Drainage District Board
 For Construction of the NESPS Mechanical and Electrical Upgrades Project (Contract #5977)
 Located in City of Detroit, 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: 5 Date: 8/18/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
A/B/C/D	<u>LOCATION:</u>					
	NESPS (Preconstruction Services-Ref Attached Walsh Bid Package Recommendation Docs #6,#7, #9 and #10)					
E	NESPS (See appended MCET Proposal)					
A	<u>DESCRIPTION:</u>					
	(Change/Add):					
	Grant Walsh authorization to enter into a subcontract with Bid Package #6 (Site Excavation) low-bidder Christman, under the NESPS Mechanical and Electrical Upgrades Project, for the following services including, but not limited to:					
	1. Stripping and stockpiling of topsoil.					
	2. Site excavation and foundation work for the new electrical building.					
	3. Storm system excavation and installation.					
	4. Dust control, soil erosion control, snow removal, driveway maintenance.					
	5. Removal of existing underground storage tank for heating oil (heating oil has been removed).					
	6. Site restoration					
	The total value of the change order, \$1,337,843, consists of a base subcontract of \$1,265,100 with Christman and Walsh's contractual 5.75% CMAR fee of \$72,743. Work is contingent upon availability of funds.	LS	1	\$1,337,843.00	\$1,337,843.00	-
B	Grant Walsh authorization to enter into a subcontract with Bid Package #7 (Structural Concrete) low-bidder Christman under the NESPS Mechanical and Electrical Upgrades Project for the following services including, but not limited to:					
	1. Place necessary forms, steel reinforcement and concrete needed for all mudmats, base slabs, spread footings, column footings, grade beams and walls required for the new electrical building.					
	2. Perform all concrete boxouts and cutouts required per the drawings.					
	3. Place necessary forms, steel reinforcement and concrete needed for the transformer foundation walls and base slabs as well as motor/pump pedestals.	LS	1	\$1,317,116.00	\$1,317,116.00	
	The total value of the change order,\$1,317,116, consists of a base subcontract of \$1,245,500 with Christman and Walsh's contractual 5.75% CMAR fee of \$71,616. Work is contingent upon availability of funds.					

Change Order

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: 5

Date: 8/18/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
C	Grant Walsh authorization to enter into a subcontract with Bid Package (#9 Electrical Underground) low-bidder Shaw Electric under the NESPS Mechanical and Electrical Upgrades Project for the following services including, but not limited to: 1. Furnish and install new electrical duct bank conduit for new service feed to new transformers. 2. Furnish and install new conduit for new GLWA gate actuator and card readers. 3. Furnish and install all required grounding systems. 4. Furnish and install all required pipe sleeves. The total value of the change order, \$694,989, consists of a base subcontract of \$657,200 with Shaw Electric and Walsh's contractual 5.75% CMAR fee of \$37,789.	LS	1	\$694,989.00	\$694,989.00	
D	Grant Walsh authorization to enter into a subcontract with Bid Package #10 (Electrical Building Plumbing) low-bidder John E. Green under the NESPS Mechanical and Electrical Upgrades Project for the following services including, but not limited to: 1. Furnish and install a complete sanitary and floor drainage system for the new electrical building. 2. Furnish and install all required pipe sleeves and penetrations. The total value of the change order, \$84,494, consists of a base subcontract of \$79,900 with John E. Green and Walsh's contractual 5.75% CMAR fee of \$4,594.	LS	1	\$84,494.00	\$84,494.00	
E	Grant Walsh authorization to enter into a subcontract with Motor City Electric Technologies to install a WiFi repeater service to all levels of the NESPS for improved cellular and internet communication. Work includes running conduit, pulling Cat 5 cable, installing Ubiquiti Unify Wifi access points on each floor with supporting equipment and performing all required software engineering for private access to the SCADA system as well as secure public access. MCET's effort will be tracked on a time and materials basis not to exceed \$49,339. Walsh will also be allowed their contractual CMAR fee of 5.75% on the work performed, which is not to exceed \$2,837, resulting in a total not to exceed amount of \$52,176.	LS	1	\$52,176.00	\$52,176.00	
A/B/C/D	<u>REASON:</u> The primary purpose of retaining Walsh as a construction manager at risk for this project was to expedite the procurement of the core materials and equipment with long lead times in an effort to reduce the overall project construction time. As the design effort has reached 90% and subsequently 100%, Walsh has continued to let bid packages relevant to the critical path, which in these bid packages, includes site work and trade scope needed for the new electrical building. Granting this change order while the Guaranteed Maximum Price is negotiated with Walsh will allow for work to proceed without impacting the critical path. The subcontractors were selected as the lowest responsive, responsible bidders. Work will progress based on availability of funds.					

Change Order

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: 5 Date: 8/18/2020

Auth No.	Location-Description-Reason	Unit Used	Est. Qty.	Unit Price	Amount Increase	Amount Decrease
E	As more work continues to take place within the NESPS, the lack of reliable cellular and internet service while in the station, particularly on the lower level floors, has created communication problems that need to be addressed. Installing a WiFi repeater service on each floor will allow for both WiFi calling and internet usage to address the communication issues. Internet connectivity will also be valuable when onboarding assets into the NEXGEN software as well as maintaining those assets when repairs are needed. While this could be performed under OMIDDD's blanket contract with Motor City Electric Technologies, it is more appropriate hat it be placed under Walsh's contract to ensure the effort is properly coordinated with the new Work to be performed as part of the NESPS Pumping and Electrical Upgrades Project.					
				Item A Total	\$3,486,618.00	\$0.00
				Total	\$3,486,618.00	

Change Order

CHANGE ORDER NO. 5

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

Prepared by: _____ Date: _____
WRC: Joel Brown, P.E., Assistant Chief Engineer

Recommended by: _____ Date: _____
Applied Science John Michalski, P.E., Vice President

Approved by: _____ Date: _____
MCPWO Manager: Stephen Downing, P.E. (Construction & Maintenance Manager)

Approved by: _____ Date: _____
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: _____ Date: _____
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. 5 was approved by the Drainage Board on: _____ Date: _____

Agenda Item No. 8

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. Twelve ✓
(8-10-2020)

July 1, 2020 through July 31, 2020

Department No.: 8010101
Fund No.: 84915
Project No.: 285117

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

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

Contract No. # 5777

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

Original Contract Amount:		\$3,783,390.00	✓
Previous Change Orders:	C.O.# 1, 2, 3, 4, 5, & 6	\$360,526.01	✓
Change Orders This Estimate:	C.O. # 7	\$25,273.58	
Total Net Change Orders:		\$385,799.59	✓
Adjusted Contract Amount:		\$4,169,189.59	✓
Sub-Total To Date:		\$4,057,075.07	
Less Deductions:		None	
Gross Estimate: (Work In Place)	97.3 % Complete	\$4,057,075.07	
Less Amount Reserved (LS = \$138,821.18)		\$138,821.18	
Total Amount Allowed To Date:		\$3,918,253.89	✓
Less Previous Estimates:		\$3,821,049.55	✓
Net Payment Request To Be Paid To Contractor:		\$97,204.34	
Reserve Payment to Contractor:		\$0.00	
Balance to Finish: \$112,114.52	✓ jlb		
Amount To Be Reserved (From Above)		\$138,821.18	
Less Previous Transfers To Reserve:		\$138,821.18	✓
Amount of Current Transfer		\$0.00	

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

Date: 8-12-20

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

Date: 8/14/2020

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

Date: 8/17/2020

Recommended by: _____
Stephen Downing; Macomb County OPWC

Date: _____

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

Date: _____

Regular Construction Estimate No. Twelve

Approved By Board On: _____

Agenda Item No. 9

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

August 26, 2020 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (August 19, 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 (including EWO No. 2):

• Adjusted Project Budget (including Fan Testing Allowance of \$60,000):	\$531,447.00
• Total Spent (through July 2020):	\$456,461.92
• Remaining Budget (through July 2020):	\$ 74,985.08

Milestone Schedule Summary:

- Submitted draft report in January 2020
- Facilitated progress meeting with both counties on August 14, 2020. Presented supplemental WATS sewer process modeling that reflects planned flow control. Discussed remaining work elements and next steps for completion of the project.
- Working toward final resolution of issues and final report; see below.

Status of Major Project Tasks:

- Continued WATS state-of-the-art sewer process model to reflect future lining and flow control operating conditions, including storage/release sequences for selected OMID repair reaches.
- Continued to advance the conceptual design of permanent vapor-phase and possible temporary liquid-phase odor/corrosion control alternatives.
- Conducted internal video conferences to monitor progress, schedule, and budget for additional evaluations, including latest WATS modeling efforts and path forward
- Continued to prepare conceptual layouts of several mitigation facilities.
- Continued to conduct additional AERMOD air dispersion modeling to represent typical possible emission points.

August 26, 2020 OMIDDD Board Meeting

SRF Segment 2 Status:

Contract 3 (Base Contract) – Complete, Closeout Pending

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

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

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

East side Tnemec repairs are complete; west side repairs remain delayed as a result of Pump 1 damage incurred in January 2020 during testing. The pump was removed and repaired offsite, tested in-factory, and returned and installed in early July. Additional testing at the NESPS was completed in recent weeks. Currently, the pump is functioning as expected. Following successful routine operation of the pump under service conditions Tnemec Repairs will be scheduled. Segment 2, Contract 3 (Base Contract and Emergency Gatehouse Repairs) remains open.



Delivery of Pump No.1 to the site.

August 26, 2020 OMIDDD Board Meeting

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 110 feet of Emergency Rehab) – Complete

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

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

Prime Construction Contractor: CSM Mechanical, LLC

Project Budget Summary:

- | | |
|---|----------------|
| • BioAir Solutions, LLC for Bio-Trickling Filter (BTF) Fabrication: | \$816,570.00 |
| • CSM Mechanical, LLC (Original Contract Value): | \$3,783,390.00 |
| • CSM Mechanical, LLC (Adjusted Contract Value w/ CO No. 1 through CO No. 7): | \$4,169,189.59 |
| • CSM Total Earned, Less Retainage, through 6/30/2020 (Pay App No.12): | \$4,057,075.07 |
| • CSM Balance to Finish, Including Retainage (As of Pay App # 12): | \$250,935.70 |
| • Jacobs Budget (Design and CA/RPR, per EWO #3): | \$1,272,470.46 |
| • Remaining Jacobs Budget (through July 2020): | \$239,943.21 |

Milestone Schedule Summary:

- Notice-to-Proceed letter to CSM dated **August 1, 2019**.
- Installation of the Bio Trickling Filter (BTF) at NESPS: Interim Substantial Completion, per Contract, was **February 2, 2020**. The Interim Substantial Completion extended by Change Order to April 18, 2020. Project Final completion moved up by one month, to **August 28, 2020** (per C.O. No. 5)
- BTF Acclimation, Start-up and Testing: Currently in Progress.
- HVAC Improvements Substantial Completion: **June 28, 2020** (Per C.O. No. 5)

Status of Major Project Tasks:

- Bi-weekly construction progress meetings continue in a virtual format.
- The installation of the biotrickling filter (BTF), odor control fans, odorous air ducting, and related components have been completed. The biotrickling filter startup and commissioning process

August 26, 2020 OMIDDD Board Meeting

began on April 21, 2020 and nears completion. Pre-commissioning, dry commissioning, and wet commissioning have been completed and the system startup operating mode (4-6 weeks to allow for acclimation) nears completion. The biotrickling filter system was switched to begin operating in normal operation mode on Friday, July 31, 2020, and has experienced an expected decrease in performance. Odor loggers have been installed to temporarily monitor inlet and outlet H₂S concentrations to monitor performance. The manufacturer's technical startup team arrived on site on Monday, Aug. 17, 2020 following previous delays due to Covid 19 travel restrictions. Final adjustments to the system will occur at that time.

- Electrical and controls wiring installation activities have been completed inside the station to provide power and controls to various components of the new HVAC system. Startup and commissioning of the HVAC system has commenced, and only minor final adjustments remain, expected to be completed during the month of August 2020.
- The Wet Well Crane Structural Frame has been blast cleaned and re-coated with a new paint system. Installation of the crane mechanism will take place by the end of August, 2020 and the entire unit will be operational at that time.
- Wet well supply air make-up air units have both been installed, integrated into the HVAC controls system, and are now fully operational. Both wet well exhaust fans and associated FRP exhaust duct work have been placed above the wet well roof and are operational. The final activity remaining is completion of air balancing for the wet well HVAC system.



Biotrickling filter and associated sampling and testing equipment in place to monitor system performance.

- All dry well HVAC components have been installed including power and controls and are now operational. HVAC control system components including the master control panel, gas detection panel, and associated strobes, beacons, instruments, and devices have arrived on site and all have

August 26, 2020 OMIDDD Board Meeting

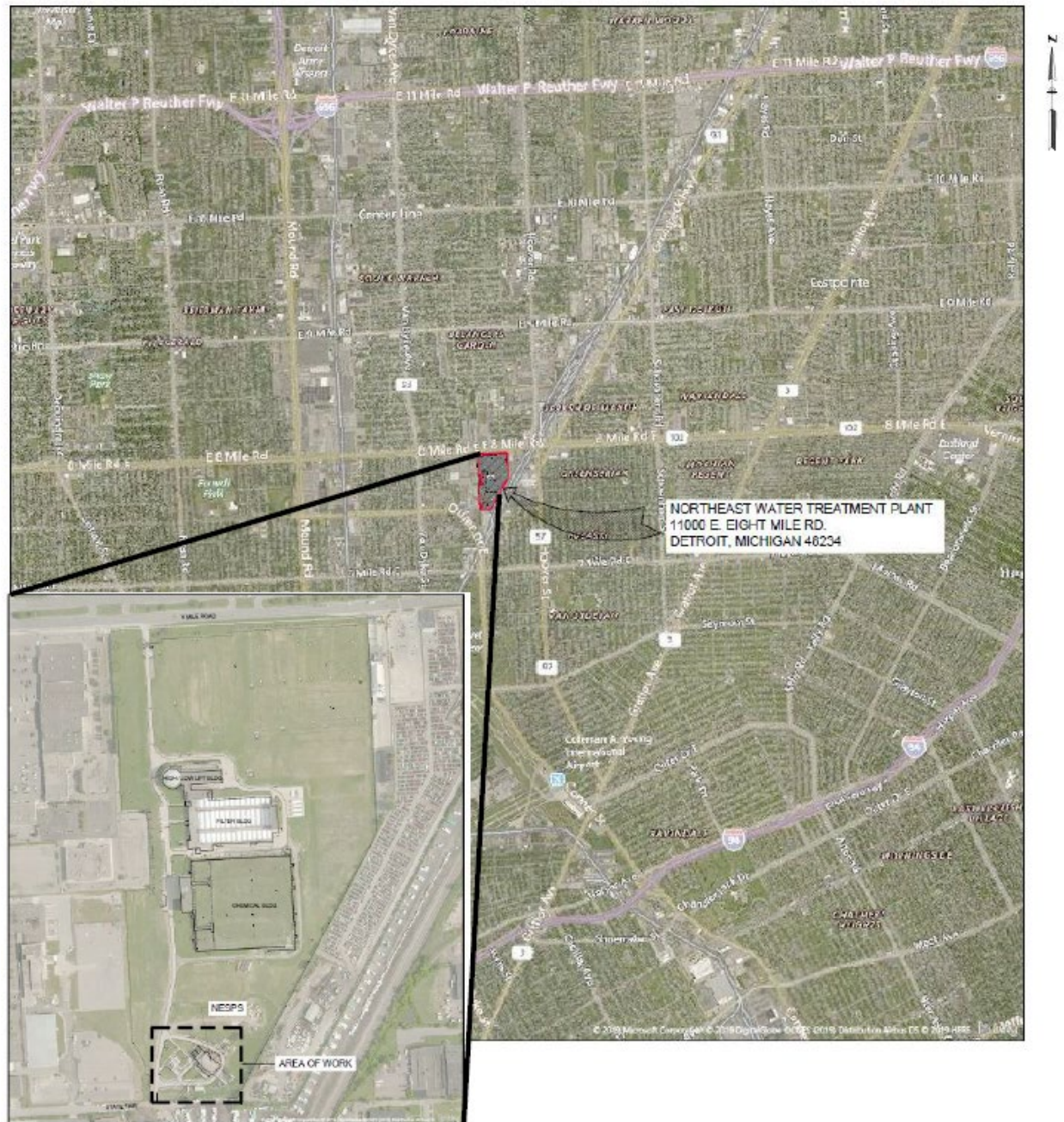
been installed. Following final completion of power and controls wiring and conduits in June 2020, these components have been integrated into one fully functioning HVAC control system (including SCADA) and final startup and commissioning is ongoing.

- Site grading for the BTF pad and adjacent areas have been completed; grade has been set and hydroseeding has been completed and turf growth established, with final adjustments to take place during punch list activities. Final aggregate base and concrete paving work will be deleted from the Odor/Corrosion Control project and added to the upcoming Pump and Electrical Rehabilitation project.
- Project is on-target for current milestone final completion of August 28, 2020.



*Turf restoration ongoing surrounding
the new biotrickling filter.*

August 26, 2020 OMIDDD Board Meeting



NESPS Odor/Corrosion Mitigation System Project Location

August 26, 2020 OMIDDD Board Meeting

NESPS & OMID Maintenance & Repairs Status:

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

Schedule Status: Ongoing

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

- Drawings for modifications to accommodate upstream emergency pumping have been issued for procurement of contractors. Prices to complete the work were received and were higher than anticipated, negotiation with contractors is in progress.
- Plan to energize OMID Pump 4 in event of total power loss is complete; A demonstration of the portable generator was completed and start of work is pending.
- Advanced emergency plan document to include pumping details and traffic control from pump out locations. Final document will incorporate use of media and community communication in the event of emergency. This plan is being finalized.

Additional work being performed under Metco Maintenance Contract for NESPS:

- Mechanical and Electrical corrective/preventative maintenance schedules continue to proceed without problem. Shutdown coordination with GLWA Operations for such tasks is working well.
- Monthly Maintenance Contractor meeting held. General maintenance topics discussed.
- Working with GLWA Systems Control on a more balanced approach to Sanitary Pump run time.

Overall Station Performance Report:

- Sanitary Pumps #2, #4, #5 and #6 remain ready for duty. (500 CFS Capacity).
- Sanitary Pump #1 Motor, Shafting and all related components has been installed and tested on July 28th and Aug 10th. GLWA and their sub-contractors ran the Pump through various run sequences (Local, Auto and Emergency stop modes of operation). During the July 28th test, pump shaft bearing noise, excessive heat and oil leakage derailed extended runtime. After addressing shaft bearing issues a re-test on Aug 10th satisfied GLWA’s assessment and we are waiting on official turnover.
- Sanitary Pump #4 -Eaton electrical technicians are scheduled (Sept 1st) to perform Medium Voltage VFD Preventative Maintenance. This includes complete inspection and testing of the unit. This is also part of an exclusive service agreement plan.
- Sanitary Pump Bi-Monthly Mechanical Preventative Maintenance completed July 28th. No major issues to report at this time. Report on file.
- Service Elevator rehabilitation scheduled to start the week of Aug 17th. Rehab is estimated at 8 to 10 weeks.
- 4 Ton Outdoor Crane rehab has begun without any interruptions to day to day activities.

August 26, 2020 OMIDDD Board Meeting

- Repair of the Dewatering Pump and the replacement of knife gates in the dry pit are contingent on outstanding work to be performed at CS-5 (transducer replacement), MID support and Lockout/Tagout finalization.
- Several odor complaints from the surrounding neighborhood were received by EGLE, between mid-July and early August. Station operations were normal, and all openings were covered during the dates and times the complaint(s) were reported. Odors reported mostly between early and late evening.
- EGLE (Hala Baroudi) toured NESPS outdoor area, specifically around the BioFilter, with OMIDD, METCO, and NTH representatives. A summary of the visit and results of the investigations and actions taken around the complaints are on file.
- BioFilter continues to perform in a start-up mode. Readings have been taken daily and reported to BioAir.
- Overall General Housekeeping tasks in order. Overall Grounds keeping tasks are also in order.

OMID Control Structure Upgrades Status:

Amt Invoiced: \$52,728 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; CSM Construction substantially complete 8/14/20

- With respect to CS-5, the control structure remains out of service. Both gates are opened 100%. Hatch modification work began May 5th and was completed on 8/3/20. Site conditions have been restored. HESCO improvements, inspections, repairs, and MCET gate release curve programming, are subject to delay at this time. HESCO is scheduled to install replacement items once Lock-out-Tag-out procedures are finalized.
- With respect to CS-6, Hatch modification work began on Monday 5/11 and was completed on 5/15. HESCO improvements, inspections subject to delay at this time. Gate operations and feedback from sensing devices are good. Submersible Pumps, VFD Motor controls regularly cycled no problems to report. VFD shelter in good housekeeping condition, locked and secured. Pump-station housekeeping condition good.
- With respect to CS-7, hatch modifications and restoration have been completed as of 8/7/20. Gate operations and feedback from sensing devices are good, currently in stand-by mode ready for service. HESCO improvements on hold pending LOTO agreement.
- 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.
- MCE has drafted Programmable Logic Controller (PLC) changes for gate operation as well as communications upgrades.
- Once access openings are finished, position indicators are repaired, and level sensors are installed, ASI testing will be completed.

August 26, 2020 OMIDDD Board Meeting



Paving of Dodge Park Rd. at CS-7 (upper left). Placement of Precast Panel at CS-7 (above). Finishing grout work at CS-5 (left).

August 26, 2020 OMIDDD Board Meeting

OMID System Immediate Repairs Status:

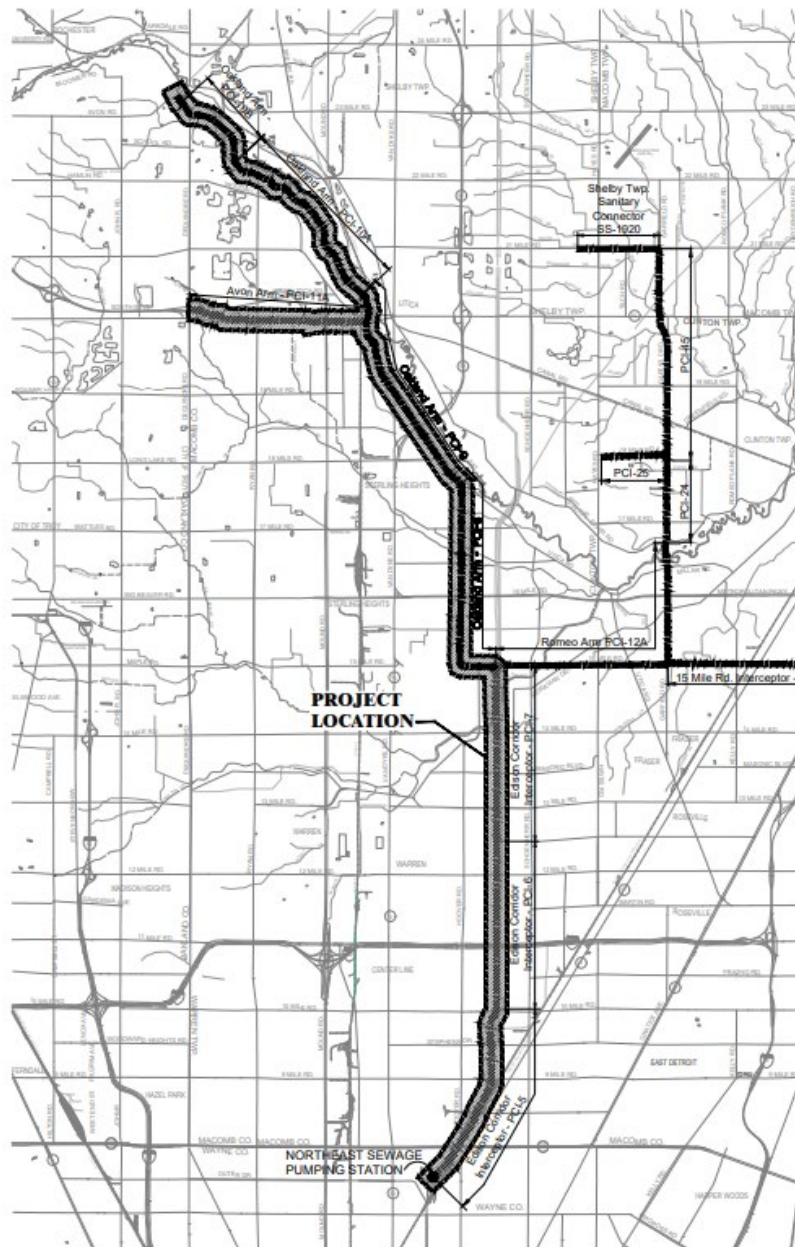
Amt Invoiced: \$45,486 out of original total design budget of \$21,418; Total design and construction budget currently is established as \$1,352,801 (including contingencies and admin/legal).

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 is pending work crew availability, completion of emergency grouting in PCI-12A, and agreement on Lock-out Tag-out procedures. Start of work anticipated, pending LOTO agreement.
- The current **draft** line item schedule and budget for the OMID System Immediate Repair Project are summarized below:

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

August 26, 2020 OMIDDD Board Meeting



OMID Immediate Repairs Project Location

August 26, 2020 OMIDDD Board Meeting

NIEA Repairs (Study and Design/Construction)

Amt Invoiced: \$1,503,442 out of currently projected study/design budget of \$2,400,570; Total design and construction budget currently is \$44,168,770 (including contingencies and admin/legal).

Schedule Status: Bid documents are out for PCI-4 Rehabilitation; additional field work and investigations are underway for PCI-18 & 19 rehabilitation project. Liner study is 100 percent complete; PCI-4 design 100% percent complete; PCI-18 & 19 design approximately 80% complete.

- PCI-4 Issued for bid documents are out and 90% design for PCI-18/19 rehabilitation project is underway.
- A workshop was held with GLWA representatives to discuss the Basis of Design in March 2020. More coordination meetings and discussions are ongoing regarding cost sharing of rehabilitation of common to all portions of the NI-EA and new control structures, easement agreement to use NESPS site for contractor laydown during PCI-4 rehabilitation, and other miscellaneous design coordination efforts. GLWA is supportive of the general approach for the project.
- 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.
- Utility potholing was performed at the propose 7 Mile Adit Shaft location. Utilities were picked up by survey and will be incorporated into design documents.
- AEW performed a 3D scan of the 7 Mile Adit and 7 Mile Relief Sewer. Currently working to process data.
- Additional soil boring performed in the vicinity of the propose 7 Mile Adit structure.
- Basis of Design report was issued in May 2020.
- Environmental corridor report complete.
Environmental Phase 2 study final report issued with 100% design submittal.
- MASW report complete and report issued.
- Geotechnical report completed and issued with Issued for Bid design documents. Additional investigation was carried out at PCI-4 shaft location and report was issued in August 2020.
- Conducted a condition assessment investigation of the 7-mile relief sewer and 12 ft. sewer near PCI-4 shaft and evaluation report issued in May.



Potholing of Utilities at Proposed Shaft Location

August 26, 2020 OMIDDD Board Meeting

- Hydraulic model has been updated to evaluate flow control in PCI-4. A final memorandum was issued with the Issued for Bid design documents.
- Obtained Part-41 permit. Other permit coordination with municipal agencies are ongoing – City of Detroit, Wayne County, GLWA, EGLE, and MDOT.
- Prepared cost estimation for various liner options and an engineer's estimate of construction cost as well as a construction schedule.
- Conducted an alternate pre-bid meeting for PCI-4 Rehabilitation project on July 22, 2020.
- Issued Addendum 1 for PCI-4 Rehabilitation project.



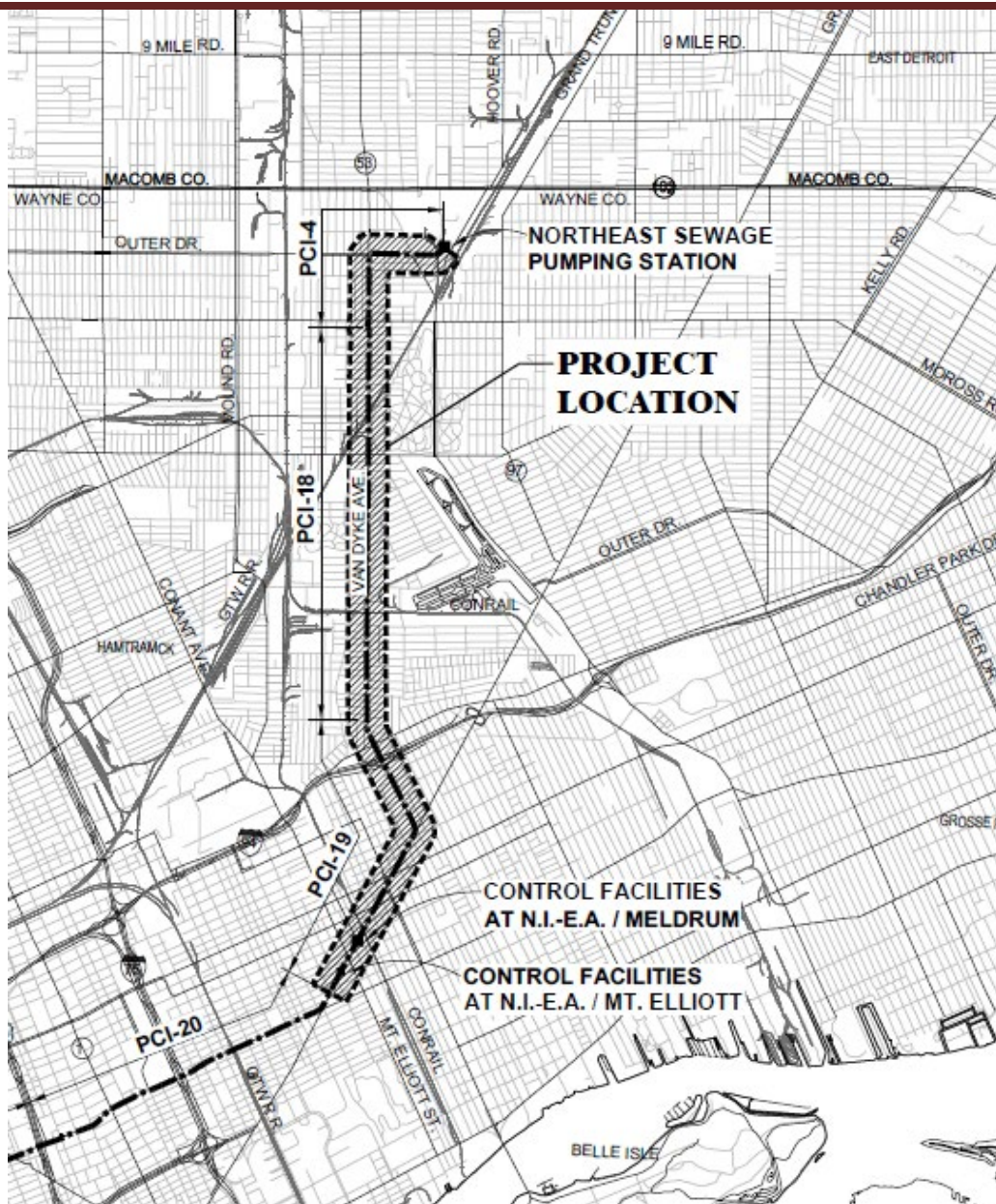
Restoration of site. PVC casing cast in place to guide future boring past utilities.

The line item schedule and budget are summarized:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
1	Lining Study Evaluations & Draft Report			6/15/2019
2	Lining Study Final Report			10/30/2019
	Subtotal - Study	\$126,744		
3	Field Investigations (MASW, SUE, Survey, Geotech, Env. Inv)			10/30/19
4	Basis of Design Draft			9/30/2019
5	50% Design Package			8/30/2019
6	90%, 100% Design Package			3/20/2020 and 4/28/2020
7	MDEQ Submittal (Part 41)			4/28/2020*
8	Issued for Bid			6/10/2020*
9	Bid Opening			9/2/2020*
10	Contract Award and NTP			11/20/2020 and 12/08/2020*
	Subtotal - Design	\$2,400,570		
11	Final Completion (OMID-NIEA Contract 1) Final Completion (OMID-NIEA Contract 2)	\$3,500,000	\$35,000,000	07/23/2022 TBD*

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

August 26, 2020 OMIDDD Board Meeting



NI-EA OMID Contracts 1 & 2 Project Location

August 26, 2020 OMIDDD Board Meeting

NESPS Electrical and Mechanical Rehab

Budget Status: \$1,155,529 out of current design budget of \$1,382,430; 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.

The design team is working on the 90% total design package for review with the CMAR. With this effort, the following work is active:

- 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 were advertised in April 2020.
- Bid packages were submitted at the end of May. The knife Gate Valve bid was reviewed and has proceeded into production. The Pump and Motor and the Major Electrical Bids were received, reviewed and vendor selected. CMAR is finalizing Contracts with suppliers.
- Site Plan and Foundation Design Bids were received, and Subcontractor was selected. Work includes site concrete for electrical work, building foundation, and underground plumbing.
- Electrical gear design for new electrical building, Architectural detailing of building, HVAC and plumbing designs are being finalized based on CMAR and OMID Staff comments.
- Updated security requirements are being coordinated with GLWA.
- Site plan and foundation package was developed for site plan review and permitting. Walsh re-submitted a revised package based on comments received to the City of Detroit for acceptance.
- A review of alternative energy saving methods and pump sequence remains ongoing.
- Drawing and Specifications for 90% design were made available for Team and CMAR review on June 30th. The CMAR and OMID staff conducted a review workshop to discuss finalizing the design documents to 100%.
- 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.
- Received Part 41 permit from EGLE on the acceptance and procurement for the Pumping Units proposed for the NESPS rehabilitation. The permit for installation will be submitted in August after 100% documents are complete.
- Conducted further site visits to inspect the existing conditions of the equipment to assess replacement needs.
- Walsh team working on an updated construction schedule. Preliminary site work for Contractor laydown areas is in progress by Walsh crews.



Delivery of trailers to project site

August 26, 2020 OMIDDD Board Meeting

- Walsh prepared a Construction Trailer and work area. The site was prepared with on-site fill for trailers and the main trailer sections were delivered to the site. Temporary utilities and power are in process of installation.
- 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			6/15/2020
	Suction Gate Rehab			5/15/2020
	Site Plan/Foundation			5/15/2020 (est)
	Pumping Units			5/20/2020
	Major Electrical			5/20/2020
7	MDEQ Submittal (Part 41 Permit)			4/8/2020 (initial pkg)
8	90% Design Submittal			6/30/20
8	Final Package Development			8/14/2020
	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

August 26, 2020 OMIDDD Board Meeting



NESPS Refurbishment Project Location

August 26, 2020 OMIDDD Board Meeting

CS-9 Gate Installation

Budget Status:

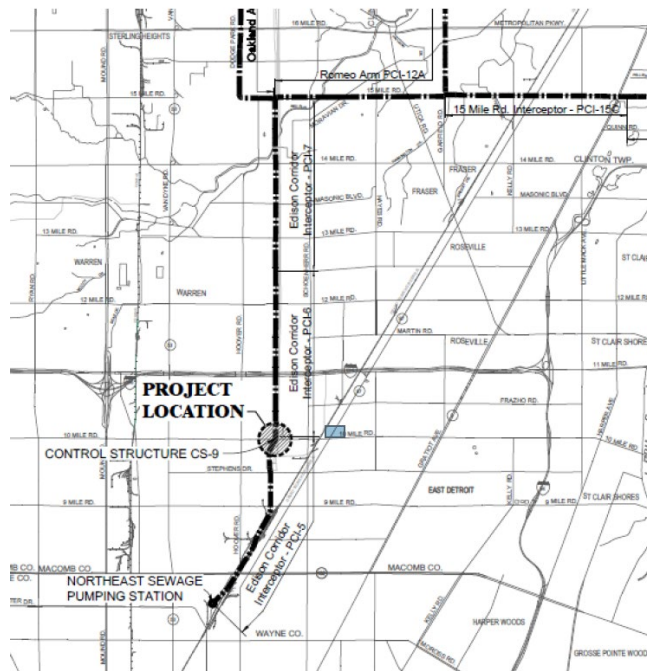
Total design and construction budget currently established as \$1.7M (including contingencies and admin/legal).

Schedule Status:

Engineering/Design efforts complete; CMR bidding in packages.

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

- Bids have been received from two contractors for the procurement of gate and actuator packages. Bids are currently under review by the team.



CS-9 Gate Installation Project Location

Other

- Met with EGLE to discuss continued use of existing and future gates for long term flow control and management in the OMID and NIEA systems. EGLE has no objections; OMID Team currently drafting letter to formalize arrangement.

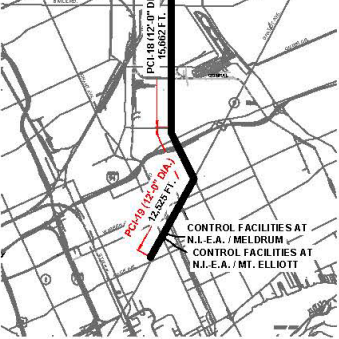
August 26, 2020 OMIDDD Board Meeting

Summary of OMID Design and Construction Status:

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

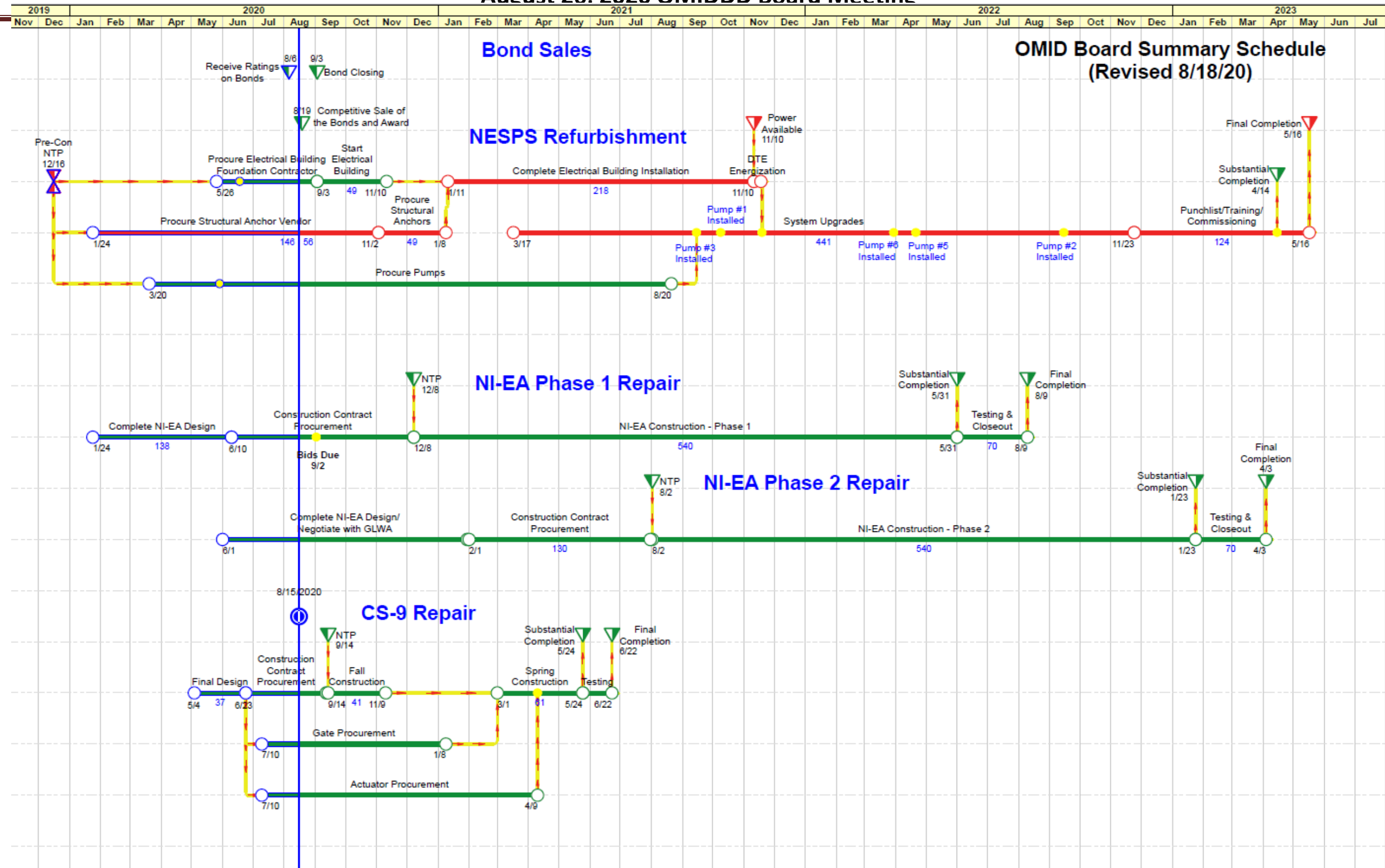
* In review, pending Coating Issues Resolution and Change Order and Memo of Understanding approvals

Work Currently in Design/Study/Engineering		
Description	Design Consultant	Status
System-wide Odor/Corrosion Study	Jacobs	Study ~90% Complete
NESPS & OMID Maintenance & Repairs	Metco	Engineering/Maintenance Ongoing
CS-9 Gate Modifications	NTH; Walsh as CMR	Design Complete; Pursuing Bids in Packages
NIEA-OMIDDD Contract 1 (PCI-4)	NTH	Design Complete; Receiving Bids 9/2/20
NIEA-OMIDDD Contract 2 (PCI-18/19)	NTH	Design ~80% Complete; pursuing cost sharing w/ GLWA
NESPS Redesign	ASI; Walsh as CMR	Design Complete; Pursuing Bids in Packages
Emergency Pumping Plan	ASI	Design Complete; Pursuing Bids in Packages



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

August 26, 2020 OMIDDD Board Meeting



JetPoint® 5.3. Release 5.3.0.36. Build 8104. (Mar 13 2018 12:54:43) Schedule Unit: Days Criticality Factor: Total Float (Days: 1/5)

OMID Project Schedule Summary

August 26, 2020 OMIDDD Board Meeting

Project	Work Location	Owner	Lead Engineer	Contractor	2020							2021								2022								2023		MID/OMID Control Devices Required to Store Flow										Concurrent Work Notes				
					J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	CS-2	CS-3		CS-5	CS-6	CS-6 PS	CS-7
MID Grouting (Preliminary schedule has GI and LSI work beginning when OMID grouting has moved upstream of CS-6)	Romeo Arm Interceptor (RAI)	MID	FKE	Doetsch	/																													-	Y	N	H	-	H	Y	-	n/a	H	OMID grouting work can be done concurrently downstream of CS-6.
	Garfield Interceptor (GI)	MID	AEW	Doetsch	/	/	/	/	/	/																							N	N	N	H	-	H	H	-	n/a	Y	If other work requires CS-3 closure, then GI grouting will be scheduled when CS-3 is not in storage. This crew will move to LSI grouting. Schedule is TBD based on grout takes.	
	Lakeshore Interceptor (LSI)	MID	AEW	Doetsch	/	/	/	/	/	/																							-	-	-	-	-	-	-	n/a	N	If other work requires CS-3 closure, then LSI work will be concurrent. CPS can not be used for storage. Schedule duration is TBD based on grout takes.		
OMID Maintenance/Spot Repairs (Preliminary schedule has crews beginning downstream and working upstream. 1 through 5).	1. Downstream of CS-5	OMID	NTH	Doetsch	/	/																										-	Y	Y	Y	-	Y	Y	-	n/a	H	Can be accomplished when RAI grouting is complete. Flow control required for some activities, not all.		
	2. Downstream of CS-6	OMID	NTH	Doetsch	/	/																										-	Y	N	Y	-	Y	Y	-	n/a	H	Can work concurrently with LSI grouting. Flow control required for some activities, not all.		
	3. Downstream of CS-7	OMID	NTH	Doetsch	/	/																										-	-	N	Y	H	Y	Y	-	n/a	-	Can work concurrently RAI, LSI, or GI grouting. Would require CS-6 closure and CS-6 PS operation to keep water levels low if CS-3 remains open. Flow control required for some activities, not all.		
	4. Downstream of CS-8	OMID	NTH	Doetsch	/	/																										-	-	-	N	-	N	Y	-	n/a	-	Can work concurrently RAI, LSI, or GI grouting. Flow control required for some activities, not all.		
	5. Upstream of CS-8	OMID	NTH	Doetsch	/	/																											-	-	-	N	-	N	N	-	n/a	-	Can work concurrently RAI, LSI, or GI grouting. Will have to coordinate with PSPS, ELPS, and WRC meters 1222/1223 for alerting. Flow control required for some activities, not all.	
MID Drop Shaft Rehab	UT-S-1, ST-S-4, ST-S-5	MID	AEW	IWPC																													-	-	-	-	-	-	-	n/a	-	May require brief MID/OMID flow control. Local community bypass required into MID/OMID interceptor.		
MID Drop Shaft Rehab	MA-S-2, CT-S-2, HR-S-2	MID	NTH	IWPC																													-	-	-	-	-	-	-	n/a	-	May require brief MID/OMID flow control. Local community bypass required into MID/OMID interceptor.		
OMID Gate Structure Improvements	OMID CS Gates (CS-5, CS-6, CS-7, CS-8)	OMID	ASI/FKE	CSM																													-	-	-	-	-	-	-	n/a	-	May require brief flow control. Work to be done to improve access to gate structures. Followed up with physical gate improvement.		
CS-9 Gate Installation	CS-9	OMID	NTH	TBD																													-	Y	Y	Y	-	Y	Y	Y	n/a	H	May require brief flow control for installation. Will require flow control for operations testing and verification.	
MID Inspection	Routine Inspection of MID Manholes & Interceptors	MID	Fishbeck	TBD																													-	-	-	-	-	-	-	n/a	-	Work may require brief flow control to inspect certain reaches. Work will be coordinated around active construction.		
Segment 5 Lining*	15 Mile between ITC Corridor & Eberlein	MID	FKE	TBD		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		-	Y	N	Y	-	Y	Y	-	Y	H	If work is concurrent with NIEA rehabilitation; CS-9 is required. Flow control dates may change depending on sediment removal means and methods.	
NIEA Rehabilitation (Downstream of NESPS)	PCI-4 Shaft & Lining	OMID	NTH	TBD																													-	Y	N	Y	-	Y	Y	Y	-	H	If work is concurrent with Segments 5 & 6 Lining; CS-9 is required.	
	PCI-18/19 Spot Repairs, Lining, and Flow Controls	OMID	NTH	TBD																													-	-	-	-	-	-	-	-	-	-	Shaft construction. MID/OMID flow control may be required depending on 7-Mile Relief Inter-Connection and PC-663 Gate status.	
NESPS Improvements	NESPS Pump Replacement	OMID	ASI	TBD																													-	Y	-	Y	-	Y	Y	Y	-	H	Will require brief flow control for pump installation, gate installation, and electrical work.	
Segment 6 Lining	15 Mile upstream of Garfield & between CS-2/CS-3	MID	FKE	TBD																													Y	Y	-	-	-	-	-	-	Y	Y	May work concurrent with segment 5 or NIEA rehab. Flow control conditions at the CS gates is similar with the exception of utilizing CS-2. Schedule is preliminary.	
PSPS / COSDS Work (PSPS Shutdown)	PSPS	WRC	n/a	n/a	/																												-	-	-	-	-	-	-	-	-	-	Scheduled shut down of PSPS; no flow diversion to Pontiac WWTP (CRWRRF). Will significantly impact storage capabilities on the Oakland Arm CS gates.	

Table updated on 5/6/2020. Estimates to be updated as necessary.

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

* Flow control from 7/21 through 12/21 is shown for sewer lining. Flow control CS requirements are defined in the "Control Devices Required to Store Flow" section.




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

Y = Required to store

N = Required to not store

H = Helpful to extend work times. *If available when not required for concurrent work.*

- = Irrelevant

	Estimated Project Window
	Flow Control Required
	Flow Control May Be Required

Summary of OMID Flow Control Requirements for Ongoing and Future Projects

Agenda Item No. 10

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

YTD Trial Balance

Fund: 84914 Oakland Macomb InterceptorSeg3

As of Fiscal Period: Month 11, 2020

Run By: WRC_REPORTING

Run: 08/20/2020 at 09:10 AM

Scope: 84914 Oakland Macomb InterceptorSeg3

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg3 100000001557	YTD Balance
100100	Cash - Operating	22,664.80	22,664.80	22,664.80
104100	Accrued Interest on Investment	(363.63)	(363.63)	(363.63)
143100	Prepaid Expenses	891.00	891.00	891.00
211100	Due to Primary Government	(25.79)	(25.79)	(25.79)
	Revenues	(437.84)	(437.84)	(437.84)
	Expenditures	3,420.12	3,420.12	3,420.12
	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 08/20/2020 \$ 22,664.80

Invoices / Reimbursements on Current Cash Balance 0.00

Total Net Cash Balance \$ 22,664.80

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb InterceptorSeg3

10000001557

(as of August 20, 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	0.00	619,287.86	
771639 - Drain Equipment	0.00	62,383.73	

Engineering TOTALS

1,063,145.00	0.00	729,677.34	\$333,467.66
--------------	------	------------	--------------

ENGCON - Engineering Consultant

730639 - Engineering Services-Other	0.00	12,856,549.06	
730940 - Insurance	0.00	2,435.63	
731458 - Professional Services	0.00	62,241.27	

Engineering Consultant TOTALS

12,471,892.00	0.00	12,921,225.96	(\$449,333.96)
---------------	------	---------------	----------------

FAC - Facility Acquisition

731472 - Project Construction and Impr	0.00	50,234,735.34	
731521 - Public Services	0.00	2,240.68	

Facility Acquisition TOTALS

45,738,545.00	0.00	50,236,976.02	(\$4,498,431.02)
---------------	------	---------------	------------------

FRINGE_BENEFITS - Fringe Benefits

722000 - Fringe Benefits	0.00	25.90	
--------------------------	------	-------	--

Fringe Benefits TOTALS

0.00	0.00	25.90	(\$25.90)
------	------	-------	-----------

INS - Inspection

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 August 20, 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	\$0.00	\$68,541,477.58	(\$147,753.58)
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	\$7.76	(\$363.63)	
655385-Income from Investments	\$17.69	\$127,400.65	
697753-State Revolving Fund Loans	\$0.00	\$65,140,000.00	
TOTAL REVENUE	\$25.45	\$68,564,643.96	
REVENUE OVER/(UNDER) EXPENSES		\$23,166.38	

YTD Trial Balance
Fund: 84915 Oakland Macomb InterceptorSeg4
As of Fiscal Period: Month 11, 2020

Run By: WRC_REPORTING
Run: 08/20/2020 at 09:10 AM
Scope: 84915 Oakland Macomb InterceptorSeg4

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	699,472.25	378,617.67	7,978.67	32,803.05	280,072.86	699,472.25
104100	Accrued Interest on Investment	42,621.11	42,621.11	0.00	0.00	0.00	42,621.11
211100	Due to Primary Government	(18,184.39)	(12,400.01)	0.00	0.00	(5,784.38)	(18,184.39)
	Revenues	(74,144.17)	2,648,833.55	0.00	0.00	(2,722,977.72)	(74,144.17)
697551	Issuance of Bonds	0.00	3,009,606.95	0.00	0.00	(3,009,606.95)	0.00
	Expenditures	4,774,600.09	57,068.05	0.00	48,209.79	4,669,322.25	4,774,600.09
	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 08/20/2020	\$	699,472.25
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		0.00
Total Net Cash Balance	\$	699,472.25

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb InterceptorSeg4

100000001913

(as of August 20, 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		0.00	13,266.27	
731521 - Public Services		0.00	40,605.00	
771638 - Drain Equip Labor		3,454.55	749,826.71	
771639 - Drain Equipment		331.54	82,428.42	
Engineering TOTALS				
	484,153.00	3,786.09	886,126.40	(\$401,973.40)
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 August 20, 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	\$3,786.09	\$19,223,934.87	\$359,974.13
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$8,477,751.68	
615572-State Capital Grants	\$0.00	\$1,105,350.77	
655077-Accrued Interest Adjustments	\$348.54	\$42,621.11	
655385-Income from Investments	\$794.66	\$648,410.43	
697551-Issuance of Bonds	\$140,393.05	\$868,639.65	
697753-State Revolving Fund Loans	\$0.00	\$8,490,000.00	
TOTAL REVENUE	\$141,536.25	\$19,632,773.64	
REVENUE OVER/(UNDER) EXPENSES		\$408,838.77	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Pump Install Seg4

100000002041

(as of August 20, 2020)

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

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 August 20, 2020)

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

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
----------	------	--------	------------

CONT - Contingency
Contingency TOTALS

93,209.00	0.00	0.00	\$93,209.00
-----------	------	------	-------------

ENG - Engineering

771638 - Drain Equip Labor	152.36	11,847.23	
771639 - Drain Equipment	5.48	524.20	

Engineering TOTALS

59,699.00	157.84	12,371.43	\$47,327.57
-----------	--------	-----------	-------------

ENGCON - Engineering Consultant

730639 - Engineering Services-Other	0.00	1,244,860.99	
-------------------------------------	------	--------------	--

Engineering Consultant TOTALS

496,981.00	0.00	1,244,860.99	(\$747,879.99)
------------	------	--------------	----------------

FAC - Facility Acquisition

731472 - Project Construction and Impr	0.00	3,456,264.64	
--	------	--------------	--

Facility Acquisition TOTALS

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

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
----------	------	----------	------------

LEGAL - Legal and Financial

731073 - Legal Services	0.00	1,456.00	
-------------------------	------	----------	--

Legal and Financial TOTALS

6,000.00	0.00	1,456.00	\$4,544.00
----------	------	----------	------------

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	\$157.84	\$4,717,196.95	(\$298,198.95)
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		\$32,803.05	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

100000002708

(as of August 20, 2020)

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

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	2,597.77	105,125.92	
771639 - Drain Equipment	68.50	3,943.73	
Engineering TOTALS			
206,253.00	2,666.27	109,069.65	\$97,183.35

ENGCON - Engineering Consultant

730373 - Contracted Services	0.00	486,018.56	
730639 - Engineering Services-Other	0.00	59,195.44	
Engineering Consultant TOTALS			
1,073,000.00	0.00	545,214.00	\$527,786.00

FAC - Facility Acquisition

730352 - Construction	0.00	571,066.40	
731472 - Project Construction and Impr	0.00	3,908,480.69	
Facility Acquisition TOTALS			
4,600,000.00	0.00	4,479,547.09	\$120,452.91

INS - Inspection

771638 - Drain Equip Labor	14,077.73	169,496.23	
771639 - Drain Equipment	1,993.72	26,319.56	
Inspection TOTALS			
190,343.00	16,071.45	195,815.79	(\$5,472.79)

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	184,130.93	
731073 - Legal Services	0.00	1,744.00	
731472 - Project Construction and Impr	0.00	51,390.00	
731906 - Testing Services	0.00	31,382.05	
771638 - Drain Equip Labor	492.00	3,389.54	
771639 - Drain Equipment	420.42	1,550.25	
Standard Operation TOTALS			
38,010.00	912.42	1,073,865.28	(\$1,035,855.28)

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

100000002708

(as of August 20, 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	\$19,650.14	\$6,409,296.19	\$594,703.81
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$3,127,236.04	
697551-Issuance of Bonds	\$0.00	\$3,556,348.63	
TOTAL REVENUE	\$0.00	\$6,683,584.67	
REVENUE OVER/(UNDER) EXPENSES		\$274,288.48	

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

Fund	Description	Major Maintenance	Capital Improvement	Undesignated	Emergency Maintenance Reserve	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	3,242,860.60	3,505,885.36	16,309,614.21	41,666.67		23,100,026.84
84914	OMIDD Seg 3						
	- Project 1-1557 Interceptor Seg 3					23,166.38	23,166.38
84915	OMIDD Seg 4						
	- Project 1-1913 Interceptor Seg 4					408,838.77	408,838.77
	- Project 1-2041 NESPS Pump Install					7,978.67	7,978.67
	- Project 1-2232 NESPS Gatehouse					32,803.05	32,803.05
	- Project 1-2708 NESPS Odor Corrosion Study					274,288.48	274,288.48
Total Equity in Maintenance and Construction Funds							23,847,102.19

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

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMI DD Meeting Date 08/26/2020

		84914	84915	84915	84915	84915	84915	82912	
		1-1557	1-1913	1-2041	1-2232	1-2232	1-2708		
<u>Payable To</u>	<u>Invoice #</u>	<u>Segment 3</u>	<u>Segment 4</u>	<u>Segment 4 - NESPS Pump Install</u>	<u>Segment 4 - NESPS Gate House</u>	<u>Segment 4 - NIEA East Arm</u>	<u>Segment 4 - NESPS Odor Corrosion Study</u>	<u>Oppérations & Maintenance</u>	<u>Total</u>
Oakland County *	WRC Labor/Fringes/Non-direct Labor		5,624.35		609.44		24,574.12		\$30,807.91
Oakland County *	WRC Equipment		539.78		21.92		3,383.71		\$3,945.41
Oakland County *	WRC Mileage/Parking		1,212.10						\$1,212.10
Macomb County	Invoice # APR200157 Personnel and various vendor reimbursement							7,724.36	\$7,724.36
Applied Scienceec Inc.	Invoice #18 (ASI Inv. #7653) Work Through 08/1/2020							80,054.45	\$80,054.45
Clark Hill PLC	Invoice # 994901 Sewer Interceptor Matter 405805 Through 5/31/20							2,673.00	\$2,673.00
Clark Hill PLC	Invoice # 1004852 Matter 405805 Through 06/30/20							783.00	\$783.00
Clark Hill PLC	Invoice # 1005348 Matter 316432 Through 6/30/20							810.00	\$810.00
Clark Hill PLC	Invoice # 1006009 Matter 404547 Through 7/31/20							1,134.00	\$1,134.00
Clark Hill PLC	Invoice # 1009717 Bond Council for 2019A Issue (2010B Refunding)							20,976.49	\$20,976.49
Comerica Pcard	Leslie Electric Company 07/15/20							83.70	\$83.70
Comerica Pcard	North Electric Supply 07/16/20							544.92	\$544.92
Dickenson Wright PLLC	Invoice # 1494911 Matter 012840-00424 Service through 6/30/20							5,845.00	\$5,845.00
Kennedy Industries	Invoice # 619227 - NESPS Field Service Invoice Date 7/14/20							5,632.00	\$5,632.00
Kennedy Industries	Invoice # 619837 - NESPS Field Service On Site Date 7/28/20							1,738.00	\$1,738.00
Konecranes	Invoice # 15428878 Service Date 04/13/20 Call for Serivce 3/16/20							480.00	\$480.00
Konecranes	Invoice # 15428890 Service Date 04/13/20 Call for Service 02/26/20							480.00	\$480.00
METCO	Invoice # 1811-19 Through 7/31/20							64,015.26	\$64,015.26
Motor City Electric Technologies	Invoice # 93090 NESPS SCADA Cutover 06/19/20							269.50	\$269.50
Motor City Electric Technologies	Invoice # 93091 NESPS SCADA Cutover 05/27/20							154.00	\$154.00
Motor City Electric Technologies	Invoice # 93092 NESPS SCADA Cutover 05/27/20							115.50	\$115.50
Motor City Electric Technologies	Invoice # 93093 NESPS SCADA Cutover 06/11/20							7,690.97	\$7,690.97
Motor City Electric Technologies	Invoice # 93094 NESPS SCADA Cutover 06/13/20							154.00	\$154.00
Motor City Electric Technologies	Invoice # 93163 NESPS SCADA Cutover 07/22/20							308.00	\$308.00
Motor City Electric Technologies	Invoice # 93164 NESPS SCADA Cutover 07/21/20							385.00	\$385.00
Motor City Electric Technologies	Invoice # 93165 NESPS SCADA Cutover 07/16/20							154.00	\$154.00
Motor City Electric Technologies	Invoice # 93166 NESPS SCADA Cutover 06/30/20							909.91	\$909.91
Motor City Electric Technologies	Invoice # 93167 NESPS SCADA Cutover 07/02/20							1,165.62	\$1,165.62
NTH Consultants	Inv # 02 OMID NESPS Safety Manual & Crane Support Service Through 07/31/20							1,215.83	\$1,215.83
NTH Consultants	Inv # 04 OMID CS-9 Gate Design Service Through 7/31/20							22,028.90	\$22,028.90
NTH Consultants	Inv # 14 - OMIDD NI-EA Rehab Services Through 07/31/20							84,344.16	\$84,344.16
NTH Consultants	Inv # 18 - OMIDD System Immediate Repair Service Through 07/31/20							1,162.40	\$1,162.40
PMA Consultants	Invoice # 03559.01 - 1 Professional Services Through 06/30/20							7,211.94	\$7,211.94
PMA Consultants	Invoice # 03559.01 - 2 Professional Services Through 07/31/20							6,181.67	\$6,181.67
PM Technologies	Invoice # 0000140204 Services 7/8/20 Generator Testing							501.25	\$501.25
Premier Safety	Invoice # 04176419 (2) 20' Cable Swivel Top Order Date 04/02/20							1,029.03	\$1,029.03
WalshConstruction Company	Invoice # 220008 Pre-Con 6 Through 07/31/20							219,645.09	\$219,645.09
	Total Invoices/Reimbursements for Approval	\$0.00	\$7,376.23	\$0.00	\$631.36	\$0.00	\$27,957.83	\$547,600.95	\$583,566.37
	* Less WRC Charges already paid from OMI Fund	0.00	(7,376.23)		(631.36)	0.00	(27,957.83)	0.00	(35,965.42)
	** Less amount being paid from Retainage Account								0.00
	Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$547,600.95	\$547,600.95

Agenda Item No. 11

Invoices



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
08/10/2020 ARP200157

REF DATE	DESCRIPTION	AMOUNT
Work Order: # WO20016 WO Descrip: OMID Expenses/Revenue		
08/10/2020	Personnel Reimb. 5/2-6/30/20	6,677.85
Work Order: # WO20016 WO Descrip: OMID Expenses/Revenue		
08/10/2020	SCADA Reimbursement	12.60
Work Order: # WO20016 WO Descrip: OMID Expenses/Revenue		
08/10/2020	Utility Reimbursement	1,033.91
Charges		7,724.36
Amount Due		\$7,724.36

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: 08/10/2020

Invoice Number: ARP200157

Amount Due: \$7,724.36

Payment Terms: Due Upon Receipt

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

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



Applied Science, Inc.

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

August 10, 2020

Project Invoice #18 (ASI Inv. #7653)

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: 6/28/20 - 8/1/20

Task No.	Task Description	Total This Invoice
1	Transition & Basis of Design	
	Total:	\$ -
	Subconsultants:	
	FK Engineering:	\$ -
	ASI Markup 5%:	\$ -
	Total:	\$ -

Task No.	Task Description	Total This Invoice
2	Design Services for Pump & Electrical Upgrades	
	Total:	\$ 26,317.00
	Subconsultants:	
	Metco Services	\$ 36,927.50
	FK Engineering:	\$ 5,824.75
	NTH Consultants	\$ 5,785.27
	AEW	\$ -
	ASI Markup 5%:	\$ 2,426.88
	Total Due This Invoice:	\$ 77,281.40

Task No.	Task Description	Total This Invoice
3	Additional Special Services	
	Total:	\$ -
	Subconsultants:	
	NTH Consultants	\$ 2,641.00
	FK Engineering:	\$ 132.05
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	\$ 2,773.05

Total Due This Invoice:	\$ 80,054.45
Previous Amount Invoiced:	\$ 1,308,058.99
Total Invoiced To-Date	\$ 1,388,113.44
Contract Task Total:	\$ 1,755,118.00
Amount Remaining:	\$ 367,004.56

CLARK HILL

82912 - 155030 - 730177 - 1-3085 - ADM

Steven Korth

August 19, 2020

Clark Hill PLC
500 Woodward Avenue
Suite 3500
Detroit, MI 48226
T 313.965.8300
F 313.965.8252

clarkhill.com

August 14, 2020

Kelsey R. Cooke, Esq.
Drainage District Legal Counsel
One Public Works Drive, Bldg 95-West
Waterford, MI 48093

Client: 58434
Matter: 347474
Invoice #1009717

FOR PROFESSIONAL SERVICES RENDERED:

As Bond Counsel in connection with the
Districts \$5,205,000 Oakland-Macomb
Interceptor Drain Drainage District
Bond, Series 2019

\$16,900.00

Out of Pocket EXPENSES:

Purchase of Seal for Drainage
District Including Mileage
State Filing Fee
bill from Ice Miller for
Tax Opinion
Treasury Filing Fee

27.56
40.60
50.00
2,958.33
1,000.00

TOTAL

\$20,976.49

CLARK HILL

P.L.C.

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

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

82912 - 149667 - 731073 - 5113 - Ch. 21 v#2788

INVOICE

Invoice # 994901

 7/16/20

Oakland-Macomb Interceptor Drain Drainage District June 23, 2020
Attn: Kelsey Cooke Client: 58434
c/o Oakland County Water Resources Commissioner Matter: 405805
1 Public Works Drive
Waterford, MI 48328

=====

RE: Sewer Interceptor - Interconnection OMIDD/MID

FOR SERVICES RENDERED through May 31, 2020

Total Services: \$2,673.00

STATEMENT TOTAL \$2,673.00

PAYABLE UPON RECEIPT IN U.S. DOLLARS

CLARK HILL

P.L.C.

ATTORNEYS AT LAW

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

82912 - 149667- 731073 - 5113 - Ch. 21
v#2788

INVOICE

Invoice # 1004852

Meg
Oakland-Macomb Interceptor Drain Drainage District July 28, 2020
Attn: Kelsey Cooke Client: 58434
c/o Oakland County Water Resources Commissioner Matter: 405805
1 Public Works Drive
Waterford, MI 48328

=====

RE: Sewer Interceptor - Interconnection OMIDD/MID

FOR SERVICES RENDERED through June 30, 2020

Total Services: \$783.00

STATEMENT TOTAL \$783.00

PAYABLE UPON RECEIPT IN U.S. DOLLARS

CLARK HILL

P.L.C.

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

82912 - 149030 - 731073 - 5113 - Ch.21 151 S. Old Woodward Avenue, Suite 200
Birmingham, Michigan 48009
Telephone (248) 642-9692
Fed.ID # 38-0425840

INVOICE

Invoice # 1005348

Oakland-Macomb Interceptor Drain Drainage District July 30, 2020
Attn: Kelsey Cooke Client: 58434
c/o Oakland County Water Resources Commissioner Matter: 316432
1 Public Works Drive
Waterford, MI 48328

=====

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

FOR SERVICES RENDERED through June 30, 2020

Total Services: \$810.00

INVOICE TOTAL \$810.00

TOTAL AMOUNT DUE \$810.00
=====

MK 8/6/20

PAYABLE UPON RECEIPT IN U.S. DOLLARS

CLARK HILL

P.L.C.

ATTORNEYS AT LAW

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

INVOICE

Invoice # 1006009

Oakland-Macomb Interceptor Drain Drainage District August 5, 2020
Attn: Kelsey Cooke Client: 58434
c/o Oakland County Water Resources Commissioner Matter: 404547
1 Public Works Drive
Waterford, MI 48328

=====

RE: Northeast Interceptor East Arm Improvements

FOR SERVICES RENDERED through July 31, 2020

Total Services: \$1,134.00

STATEMENT TOTAL \$1,134.00

PAYABLE UPON RECEIPT IN U.S. DOLLARS

INVOICE DATE: JULY 20, 2020
 INVOICE NO.: 1494911

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

 82912 - 149997 - 731073 - 5089 - 1-3020 - Ch. 21
 v# 4978 exp. 4/20/30

ATTN: JOHN BASCH



July 27, 2020

CLIENT/MATTER NO.: 012840-00424

RE: REVISION OF OAKLAND COUNTY PURCHASE ORDER FOR MISCELLANEOUS WORK

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH JUNE 30, 2020

USD

TOTAL FEES CURRENT INVOICE \$ 5,845.00

TOTAL CURRENT INVOICE \$ 5,845.00

OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF JULY 20, 2020

<u>INVOICE</u>	<u>DATE</u>	<u>BILLED VALUE</u>	<u>PAYMENTS</u>	<u>OUTSTANDING</u>
1482474	06/09/20	9,625.00	(0.00)	9,625.00

TOTAL OUTSTANDING FROM PRIOR INVOICES \$ 9,625.00

TOTAL AMOUNT DUE \$ 15,470.00

MK 7/26/20

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



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

INVOICE		
DATE	NUMBER	PAGE
7/14/2020	619227	1 of 1

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

82912 - 149090 - 730660 - 5825 - Ch. 21
v#239
exp. 6/30/22

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

T
O

T
O

ATTENTION:

TERRY MOORE

313-829-7207

tmoore@metcoservices.com

CUSTOMER REF/PO #		JOB #	JOB TITLE	SLP	SHIPPING TYPE
TERRY VERBAL		0105529	OAKLAND COUNTY, OMID NORTHEAST PUMP STATION, DEZURIK KGC, WASTE WATER	KES/JAR	FREIGHT ALLOWED
QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				

0.00	2.00	VGDKGC12EFS3104114	DEZURIK, VALVE, KNIFE GATE KGC, 12, ES, F1, S2-SMP, S2-M, *MN-N-CS, ENTS, 12" EXTENDED SERVICE FLANGED ANSI 150 UNC 316 STAINLESS STEEL BODY, PTFE BRAIDED PACKING 316 STAINLESS STEEL GATE, METAL SEATED 2" SQUARE NUT OPERATOR WITH CARBON STEEL YOKE CARBON STEEL EXTENSION FOR ACTUATOR YOKE	\$2,816.00	\$5,632.00
------	------	--------------------	--	------------	------------

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: \$5,632.00
TAX: \$0.00
TOTAL: \$5,632.00

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

www.KennedyInd.com



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
MONITOR
REPAIR

INVOICE		
DATE	NUMBER	PAGE
8/10/2020	619837	1 of 1

B OMI100
I OAKLAND MACOMB INTERCEPTOR DRA
L 1 PUBLIC WORKS DR. **82912 - 149090 - 730660 - 5825 - Ch. 21**
L WATERFORD, MI 48328 **v#239**
T **exp. 6/30/22**
O

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

ATTENTION:

TERRY MOORE 313-8297207 TMOORE@METCOSERVICES.COM

CUSTOMER REF/PO #		JOB #	JOB TITLE	SLP	SHIPPING TYPE
		0105960	NORTHEAST PUMP STATION, FIELD SERVICE, SANITARY	KES/SPM	FIELD SERVICE
QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED
B/O	Ship				

0.00	15.50	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (2) FIELD SERVICE TECHNICIAN(S) ONSITE ON 07/28/20. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$110.00	\$1,705.00
0.00	1.00	TRAVEL	SERVICE VEHICLE	\$33.00	\$33.00

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: \$1,738.00
TAX: \$0.00
TOTAL: \$1,738.00

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

www.KennedyInd.com

Invoice

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

Delivery Address Great Lakes Water Authority 11001 E State Fair St Detroit MI 48234	Information Document No. 154288788 Document Date 04/13/2020 Customer PO 005820 Customer Contact Darrin Green Customer No. 1816160																														
Invoice Address Oakland Macomb Interceptor Drain Drainage District Acct: 730660 1 Public Works Drive Fund: 82912 Program: 149090 Waterford MI 48328-1907	Terms of Payment / Delivery Terms of Delivery FCA PLANT OF ORIGIN Terms of Payment 15 days net Due Date 04/28/2020																														
Invoice Details Provided labor and materials to troubleshoot 25 ton hoist function. Thank you for your business!!																															
<table border="1"><thead><tr><th>Item</th><th>Material Description</th><th>Quantity</th><th>Unit price USD</th><th>Value USD</th></tr></thead><tbody><tr><td colspan="5">Service Request Num & Delivery Date: 1-91980994486 / 0157212616 / 04/13/2020</td></tr><tr><td>10</td><td>Hoist Function Issues Called out on 3/16/20 to troubleshoot hoisting up function.</td><td>4 HR</td><td>120.00 / HR</td><td>480.00</td></tr><tr><td colspan="4">Invoice Value</td><td>480.00</td></tr><tr><td colspan="4">Sales Tax</td><td>0.00</td></tr><tr><td colspan="4">Invoice Total</td><td>480.00</td></tr></tbody></table>		Item	Material Description	Quantity	Unit price USD	Value USD	Service Request Num & Delivery Date: 1-91980994486 / 0157212616 / 04/13/2020					10	Hoist Function Issues Called out on 3/16/20 to troubleshoot hoisting up function.	4 HR	120.00 / HR	480.00	Invoice Value				480.00	Sales Tax				0.00	Invoice Total				480.00
Item	Material Description	Quantity	Unit price USD	Value USD																											
Service Request Num & Delivery Date: 1-91980994486 / 0157212616 / 04/13/2020																															
10	Hoist Function Issues Called out on 3/16/20 to troubleshoot hoisting up function.	4 HR	120.00 / HR	480.00																											
Invoice Value				480.00																											
Sales Tax				0.00																											
Invoice Total				480.00																											

DET-Detroit, MI
42970 W 10 Mile Rd
NOVI MI 48375-5421
USA

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

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

Invoice

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

Delivery Address Great Lakes Water Authority 11001 E State Fair St Detroit MI 48234	Information Document No. 154288790 Document Date 04/13/2020 Customer PO 005820 Customer Contact Terry Moore Customer No. 1816160																														
Invoice Address Oakland Macomb Interceptor Drain Drainage District Acct: 730660 1 Public Works Drive Fund: 82912 Program: 149090 Waterford MI 48328-1907	Terms of Payment / Delivery Terms of Delivery FCA PLANT OF ORIGIN Terms of Payment 15 days net Due Date 04/28/2020																														
Invoice Details Provided labor and materials to troubleshoot crane function issues. Thank you for your business!!																															
<table border="1"><thead><tr><th>Item</th><th>Material Description</th><th>Quantity</th><th>Unit price USD</th><th>Value USD</th></tr></thead><tbody><tr><td colspan="5">Service Request Num & Delivery Date: 1-91980994568 / 0157212667 / 04/13/2020</td></tr><tr><td>10</td><td>Hoist Function Call Out Called out to troubleshoot issues on 2/26/20</td><td>4 HR</td><td>120.00 / HR</td><td>480.00</td></tr><tr><td colspan="4">Invoice Value</td><td>480.00</td></tr><tr><td colspan="4">Sales Tax</td><td>0.00</td></tr><tr><td colspan="4">Invoice Total</td><td>480.00</td></tr></tbody></table>		Item	Material Description	Quantity	Unit price USD	Value USD	Service Request Num & Delivery Date: 1-91980994568 / 0157212667 / 04/13/2020					10	Hoist Function Call Out Called out to troubleshoot issues on 2/26/20	4 HR	120.00 / HR	480.00	Invoice Value				480.00	Sales Tax				0.00	Invoice Total				480.00
Item	Material Description	Quantity	Unit price USD	Value USD																											
Service Request Num & Delivery Date: 1-91980994568 / 0157212667 / 04/13/2020																															
10	Hoist Function Call Out Called out to troubleshoot issues on 2/26/20	4 HR	120.00 / HR	480.00																											
Invoice Value				480.00																											
Sales Tax				0.00																											
Invoice Total				480.00																											

DET-Detroit, MI
42970 W 10 Mile Rd
NOVI MI 48375-5421
USA

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

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



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

INVOICE NO. 1811-19

DATE: August 4, 2020

METCO PROJECT NO. 1811

INVOICE PERIOD: thru 7/31/2020

Contract ID 000000000000000000005517

Vendor ID 0000020486

TO: OMIDD

Water Resources Commissioner

One Public Works Drive

Waterford, MI 48328

Attn: Mr. Sid Lockhart, PE

Deputy Chief Engineer/Special Projects Manager

TITLE: NESPS Operation and Maintenance

Task 3.2 - Operational Plan

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	2.0	\$ 145.00	\$ 290.00
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
Subtotal Task 3.2A:				\$ 290.00

JTB 8/21/20

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	10.0	\$ 215.00	\$ 2,150.00
Terry Moore	Operations Manager	92.0	\$ 145.00	\$ 13,340.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Rosana Santos	Administrative Assoc.	2.0	\$ 73.79	\$ 147.58
Subtotal Task 3.2B:				\$ 15,637.58

JTB 8/21/20

Subtotal 3.2: \$ 15,927.58

Task 4.0 - Maintenance & Asset Management

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

Terry Moore	Operations Manager	2.0	\$ 145.00	\$ 290.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Subtotal Task 4.3A:				\$ 290.00

JTB 8/21/20

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

Raj Vijayendran, PE	Principal Engineer	10.0	\$ 215.00	\$ 2,150.00
Terry Moore	Operations Manager	95.0	\$ 145.00	\$ 13,775.00
Terry Moore	Operations Manager (Overtime)	11.0	\$ 195.00	\$ 2,145.00

JTB 8/21/20

Daniel Martel	Sr. Project Coordinator	0.0	\$	145.00	\$	-
Sean Grant	Sr. Project Engineer	0.0	\$	145.00	\$	-
Darrin Green	Staff Engineer	172.0	\$	90.00	\$	15,480.00
Darrin Green	Staff Engineer-(Overtime)	13.0	\$	135.00	\$	1,755.00
Abhishek Shah	Staff Engineer	0.0	\$	90.00	\$	-
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
				Subtotal:	\$	35,305.00
				Maintenance Services (see attached invoices):	\$	2,652.68
				Subtotal Task 4.3B	\$	37,957.68
				Subtotal 4.3:	\$	38,247.68

JTB 8/21/20

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

Raj Vijayendran, PE	Principal Engineer	0.0	\$	215.00	\$	-
Terry Moore	Operations Manager	1.0	\$	145.00	\$	145.00
Terry Moore	Operations Manager (Overtime)	0.0	\$	195.00	\$	-
Sean Grant	Sr. Project Engineer	11.0	\$	145.00	\$	1,595.00
Darrin Green	Staff Engineer	1.0	\$	90.00	\$	90.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Abhishek Shah	Staff Engineer	89.0	\$	90.00	\$	8,010.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
				Subtotal 6.0:	\$	9,840.00
				TOTAL AMOUNT DUE THIS INVOICE:	\$	64,015.26

JTB 8/21/20

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

82912 - 149090 - 730660 - 5469 - Ch. 21

V#7755

Exp 7/30/21

LI# 41132

INVOICE

OMID

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	6/19/2020	6/30/2020	93090

SID LOCKHART

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

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 6/19/2020

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS
9440 GRINNELL
DETROIT, MI 48213-1151
PHONE (313) 921-5300 FAX (313) 921-5310
"AN EQUAL OPPORTUNITY EMPLOYER"

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

INVOICE

DMID

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	5/27/2020	6/30/2020	93091

SID LOCKHART

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

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 5/27/2020

complete electrical construction

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



MOTOR CITY ELECTRIC TECHNOLOGIES INC.
AUTOMATION AND CONTROLS SOLUTIONS
9440 GRINNELL
DETROIT, MI 48213-1151
PHONE (313) 921-5300 FAX (313) 921-5310
"AN EQUAL OPPORTUNITY EMPLOYER"

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

INVOICE

OMID

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	5/27/2020	6/30/2020	93092

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$115.50	-	\$115.50	\$115.50	-	-
Totals:		\$115.50		\$115.50	\$115.50		
Less Retained:				-			
Invoice Total:				\$115.50			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 6/4/2020

complete electrical construction

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



MOTOR CITY ELECTRIC TECHNOLOGIES INC.
AUTOMATION AND CONTROLS SOLUTIONS
9440 GRINNELL
DETROIT, MI 48213-1151
PHONE (313) 921-5300 FAX (313) 921-5310
"AN EQUAL OPPORTUNITY EMPLOYER"

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

INVOICE

OMID

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	6/11/2020	6/30/2020	93093

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$7,690.97	-	\$7,690.97	\$7,690.97	-	-
Totals:		\$7,690.97		\$7,690.97	\$7,690.97		
Less Retained:				-			
Invoice Total:				\$7,690.97			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 6/11/2020

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS
9440 GRINNELL
DETROIT, MI 48213-1151
PHONE (313) 921-5300 FAX (313) 921-5310
"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

OMID

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	6/13/2020	6/30/2020	93094

SID LOCKHART

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

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 6/11/2020

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

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

INVOICE

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

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	7/22/2020	8/4/2020	93163

SID LOCKHART

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

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 7/22/2020

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

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

INVOICE

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

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	7/21/2020	8/4/2020	93164

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$385.00	-	\$385.00	\$385.00	-	-
Totals:		\$385.00		\$385.00	\$385.00		
Less Retained:				-			
Invoice Total:				\$385.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 7/21/2020

complete electrical construction

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



MOTOR CITY ELECTRIC TECHNOLOGIES INC.
AUTOMATION AND CONTROLS SOLUTIONS
9440 GRINNELL
DETROIT, MI 48213-1151
PHONE (313) 921-5300 FAX (313) 921-5310
"AN EQUAL OPPORTUNITY EMPLOYER"

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

INVOICE

Umid-JB

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	7/16/2020	8/4/2020	93165

SID LOCKHART

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

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 7/16/2020

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

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

INVOICE

Omid-JB

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	6/30/2020	8/4/2020	93166

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$909.91	-	\$909.91	\$909.91	-	-
Totals:		\$909.91		\$909.91	\$909.91		
Less Retained:				-			
Invoice Total:				\$909.91			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 6/30/2020

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

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

INVOICE

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

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	7/2/202	8/4/2020	93167

SID LOCKHART

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	NESP SCADA CUTOVER	\$1,165.62	-	\$1,165.62	\$1,165.62	-	-
Totals:		\$1,165.62		\$1,165.62	\$1,165.62		
Less Retained:				-			
Invoice Total:				\$1,165.62			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 7/2/2020

complete electrical construction

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



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

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

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

**Invoice # : 2
Project : 61-200209
Invoice Group : HSM/CSE
Invoice Date : 8/11/2020**

Attention: Sid Lockhart

For Professional Services Rendered from 6/20/2020 - 7/31/2020

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

Task 01	Health and Safety Manual	\$33,428.00
Task 02	Crane Support Evaluation	\$14,359.00
	Preliminary Budget Amount	\$47,787.00
	Percent Complete:	26.44%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 376.93	\$ 1,865.92
Overhead %	188.00	\$ 708.63	3,507.93
Total Regular Labor Expense		1,085.56	5,373.85
Premium Labor Cost		0	0
Total Direct Labor		1,085.56	5,373.85
Profit / Fixed Fee %	12.00	130.27	644.86
Direct Expenses Charge		0.00	3,170.56
Expense Multiplier %	5.00	0.00	158.53
Direct Subcontractor Charge		0.00	3,100.00
Subcontractor/Subconsultant Multiplier %	6.00	0.00	186.00
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		0.00	6,615.09
Total Costs:		1,215.83	12,633.80
Total Due This Invoice		\$ 1,215.83	\$ 12,633.80

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

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

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



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

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

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

Invoice # : 4
Project : 61-190439
Invoice Group : CS9
Invoice Date : 8/11/2020

Attention: Sid Lockhart

For Professional Services Rendered from **6/20/2020 - 7/31/2020**

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

Task 01 Gate Design \$189,426.00

Preliminary Budget Amount \$189,426.00
Percent Complete: 76.58%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 2,431.28	\$ 12,170.27
Overhead %	188.00	4,570.81	22,880.11
Total Regular Labor Expense		7,002.09	35,050.38
Premium Labor Cost		0	0
Total Direct Labor		7,002.09	35,050.38
Profit / Fixed Fee %	12.00	840.25	4,206.04
Direct Expenses Charge		28.12	241.55
Expense Multiplier %	5.00	1.41	12.10
Direct Subcontractor Charge		13,355.69	99,579.92
Subcontractor/Subconsultant Multiplier %	6.00	801.34	5,974.80
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		14,186.56	105,808.37
Total Costs:		22,028.90	145,064.79
Total Due This Invoice		\$ 22,028.90	\$ 145,064.79

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

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

Payment for all invoices is expected as per contract terms. All retainers are held and applied to final invoice for a project. Checks will be issued for all 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

**82912 - 149667 - 730639 - 2603 - 1-3019 -
Ch. 21 - engcon
v# 4716exp. 12/31/21 LI#42499**

Invoice # : 14
Project : 61-190078
Invoice Group : NI-EA
Invoice Date : 8/11/2020

Attention: Sid Lockhart

For Professional Services Rendered from 6/20/2020 - 7/31/2020

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

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

Preliminary Budget Amount \$2,273,833.00
Percent Complete: 61.03%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 11,920.04	\$ 213,064.19
Overhead %	188.00	22,409.68	400,560.71
Total Regular Labor Expense		34,329.72	613,624.90
Premium Labor Cost		0	0
Total Direct Labor		34,329.72	613,624.90
Profit / Fixed Fee %	12.00	4,119.57	73,635.00
Direct Expenses Charge		2,423.71	22,181.47
Expense Multiplier %	5.00	121.19	1,109.13
Direct Subcontractor Charge		40,896.20	638,744.30
Subcontractor/Subconsultant Multiplier %	6.00	2,453.77	38,324.73
Direct Unit Rate Charge		0	0
Total Other Direct Charges Reimbursables		45,894.87	700,359.63
Total Costs:		84,344.16	1,387,619.53
Total Due This Invoice		\$ 84,344.16	\$ 1,387,619.53

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

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

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



NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

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

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

Invoice # : 18
Project : 61-190044
Invoice Group : REPAIRS
Invoice Date : 8/11/2020

Attention: Sid Lockhart

For Professional Services Rendered from

06/20/2020 - 07/31/2020

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
	\$254,315.00

Analysis of Costs		This Invoice	Cumulative
Direct Salaries (Task 01 & 02)		\$ 253.35	\$ 23,681.12
Overhead %	188.00	476.30	44,520.50
Total Regular Labor Expense		729.65	68,201.62
Premium Labor Cost		0	0
Total Direct Labor		729.65	68,201.62
Profit / Fixed Fee %	12.00	87.56	8,184.19
Direct Expenses Charge		0.00	330.08
Expense Multiplier %	5.00	0.00	66.51
Direct Subcontractor Charge		328.75	9,301.50
Subcontractor/Subconsultant Multiplier %	5.00	16.44	465.12
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		345.19	10,163.21
Total Costs:		1,162.40	86,549.02
Total Due This Invoice		\$ 1,162.40	\$ 86,549.02

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

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

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

Invoice

Date Invoice #
 7/8/2020 0000140204

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

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

Site Address:
 Main Tab

PO Number		Terms	Make	Model	Serial Number
16268		NET 30 DAYS			
KW	PM Tech's Other Locations			A LATE FEE of 1.5% per month, 18% per year, of the unpaid balance unpaid balance will be added to past due amounts	Remit To: 28294 Beck Road Wixom, MI 48393
	2385 Wilshire Drive Jenison, MI 49428 1695 Dalton Drive New Carlisle, OH 45344				

DESCRIPTION	QTY	PRICE EACH	AMOUNT
Service Call - PM Technologies will be on site to perform generator operation in accordance with defined testing protocol	1.00	185.00	185.00
Labor	2.75	115.00	316.25

7/8/2020



Visa, Master Card, Discover or American Express 3% processing fee added to total over \$2,000	Subtotal	\$501.25
Sign: _____ Inv # _____	Sales Tax	\$0.00
Card #: _____	Balance Due	\$501.25
Exp Date: _____ Security Code: _____	This Invoice if for the Services mentioned above only, if other repair work was completed it will be invoiced separately.	

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

Warranty Disclaimer: parts and labor not covered by the



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

July 8, 2020

Invoice No: 03559.01 - 1

82912 - 149667 - 731444 - 5158 - 1-3020 - Ch. 21 - engcon
v# 16918
exp. 6/30/22

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from June 1, 2020 to June 30, 2020

Professional Personnel

	Hours	Rate	Amount	
Zann, John	28.00	94.00	2,632.00	
Totals	28.00		2,632.00	
Total Labor				2,632.00

Additional Fees

Overhead	149.10 % of 2,632.00	3,924.31	
Profit	10.00 % of 6,556.31	655.63	
Total Additional Fees		4,579.94	4,579.94

Billing Limits

	Current	Prior	To-Date
Total Billings	7,211.94	0.00	7,211.94
Limit			450,000.00
Remaining			442,788.06

Total this Invoice \$7,211.94

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



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

August 6, 2020

Invoice No: 03559.01 - 2

82912 - 149667 - 731444 - 5158 - 1-3020 - Ch. 21 - engcon
v# 16918 exp. 6/30/22

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

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

Professional Personnel

	Hours	Rate	Amount	
Zann, John	24.00	94.00	2,256.00	
Totals	24.00		2,256.00	
Total Labor				2,256.00

Additional Fees

Overhead	149.10 % of 2,256.00		3,363.70	
Profit	10.00 % of 5,619.70		561.97	
Total Additional Fees			3,925.67	3,925.67

Billing Limits

	Current	Prior	To-Date
Total Billings	6,181.67	7,211.94	13,393.61
Limit			450,000.00
Remaining			436,606.39

Total this Invoice \$6,181.67

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



REMIT TO
Premier Safety
PO Box 33757
Detroit MI 48232-3757

Reprint Sales Invoice

INVOICE #	04176419
LOCATION	04
DATE	04/06/20
PAGE	1 of 2

BILL TO

1001400
OAKLAND CTY WATER RES-WATERFOR
ATTN:****EMAIL INVOICES****
522 S OPDYKE RD
PONTIAC, MI 48341-3120

SHIP TO

OAKLAND CTY WRC BLDG 95 WEST
95 W CONSTRUCTION DRAIN
1 PUBLIC WORKS DR
WATERFORD, MI 48328-1907

ORDER NUMBER 04112389	ORDER DATE 04/02/20	CUSTOMER P/O NUMBER VRBL-SEDAM	PAYMENT TERMS NET 30 DAYS
CUSTOMER SALES REP BLAKE DEHART PH: 586-840-3200	CONTACT DEBBIE SEDAM	SHIP VIA UPS GROUND	
FREIGHT TERMS PREPAY & ADD	JOB NUMBER	SALES PERSON AARON JACOB	

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION
FT27620LE	2	2	0	495.0000	EA	990.00

LEADING EDGE SRL 20' GALVANIZE
CABLE SWIVEL TOP

82912 - 149090 - 750294 - 5639 - Ch. 21

MERCHANDISE TOTAL	FREIGHT & HANDLING	MISC CHARGE	TAX	INVOICE TOTAL
990.00	39.03	0.00	0.00	1,029.03

PAYMENT APPLIED	0.00
CREDIT APPLIED	0.00
BALANCE DUE	1029.03

Premier Safety The smart choice for safety and environmental solutions
Visit us online at www.PremierSafety.com

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 6 PERIOD TO: 7/31/2020	Distribution to: OWNER: <input checked="" type="checkbox"/> CONSTRUCTION MANAGER: <input checked="" type="checkbox"/> ARCHITECT: <input type="checkbox"/> OTHER: <input type="checkbox"/>
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	OMIDDD Proj# 1-3020 FUND 82912 PROGRAM: 149667 ACCOUNT 730373 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	\$4,042,914.45
3. TOTAL CONTRACT SUM TO DATE	\$ 4,612,914.45
4. TOTAL COMPLETED & STORED TO DATE (Item G Totals)	\$ 985,824.01
5. LESS PREVIOUS TOTAL PAYMENTS (Item J Totals)	\$766,178.92
6. CURRENT PAYMENT DUE (Item A Totals)	\$ 219,645.09

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:  Date: 8/17/2020

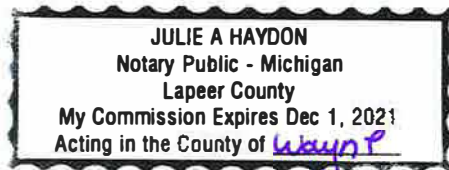
State of: Michigan

County of: Wayne

Subscribed and sworn to before me this 17th day of August 2020

Notary Public: Julie A. Haydon

My Commission expires: 12-1-2021



PROJECT CERTIFICATE FOR PAYMENT

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 \$ 219,645.09

CONSTRUCTION MANAGER:

By:  Date: 8/17/2020

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. 12

Other Business

Agenda Item No. 13

Adjourn