

AGENDA

Oakland-Macomb Interceptor Drain Drainage Board Macomb and Oakland Counties

April 21, 2021 – 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 April 21, 2021
3. Motion to approve the Drainage District Board Meeting Minutes from March 17, 2021
4. Public Comment
5. Present Memorandum requesting the Board approve the proposed revised operating budget, cost allocation, and Capital Improvement Program for the rate year beginning July 1, 2021
6. Jacobs presentation of OMID Odor Corrosion Study Results
7. Motion to approve the following Engineering Work Order:
 - a) Jacobs for Air Quality Investigation within PCI-4
8. Motion to approve the following Change Order:
 - a) Walsh Construction Change Order No. 10 for the NESPS Pump & Electrical Upgrades Project for a net increase in the amount of \$393,793.68
9. Motion to approve the following Construction Estimates:
 - a) Construction Estimate No. 6 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$768,099.59 with a transfer to reserves with the Oakland County Treasurer in the amount of \$85,344.40
 - b) Construction Estimate No. 4 for Walsh Construction for CS-9 Gate Installation in the amount of \$164,822.83 with a transfer to the Oakland County Treasurer in the amount of \$18,313.65
 - c) Construction Estimate No. 3 for Doetsch for OMID Localized Rehabilitation and Spot Repairs in the amount of \$468,764.20
 - d) Construction Estimate No. 1 for Marra Services for NIEA Contract No. One in the amount of \$229,398.30 with a transfer to the Oakland County Treasurer in the amount of \$25,488.70
10. Report/Update – Status of OMID Repairs Project

11. Financial Reports – General Financial Report and Status of State Revolving Fund Financing and Other Financing
12. Motion to approve the following invoices:
- a) Reimbursement of Oakland County WRC-Incurred Expenses and Costs
 - 1) Labor/Fringes/Non-Direct Labor Factor
 - Segment 4 \$ 12,495.52
 - Segment 4 NESPS Odor Corrosion Study \$ 4,654.93
 - Segment 5 NI-EA Construction \$ 10,250.83
 - Segment 5 NESPS Mech./Elect. Construction \$ 38,465.36
 - 2) Equipment Charges
 - Segment 4 \$ 635.68
 - Segment 4 NESPS Odor Corrosion Study \$ 263.97
 - Segment 5 NI-EA Construction \$ 429.66
 - Segment 5 NESPS Mech./Elect. Construction \$ 3,338.33
 - 3) Mileage
 - Segment 4 \$ 498.40
 - b) Applied Science, Inc.
Invoice No. 26 NESPS M&E \$ 75,920.38
 - c) CH2M
 - 1) Invoice No. 705773CH025 (26) Seg. 4 \$ 13,184.98
 - 2) Invoice No. 705773CH025 (27) Seg. 4 \$ 24,027.74
 - d) Clark Hill
Invoice No. 1073736 O&M \$ 108.00
 - e) Dickinson Wright
Invoice No. 1564580 O&M \$ 5,025.00
 - f) Jacobs
Invoice No. 697317CH030 (3) Seg. 3 \$ 12,474.68
 - g) Kennedy Industries
 - 1) Invoice No. 623168 O&M \$ 3,070.85
 - 2) Invoice No. 623795 O&M \$ 1,188.00
 - h) METCO
Invoice No. 1811-27 O&M \$ 84,635.43
 - i) Motor City Electric Technologies Inc.
 - 1) Invoice No. 93592 O&M \$ 154.00
 - 2) Invoice No. 93593 O&M \$ 154.00
 - 3) Invoice No. 93594 O&M \$ 231.00
 - 4) Invoice No. 93595 O&M \$ 192.50
 - 5) Invoice No. 93604 O&M \$ 6,783.01
 - j) NTH Consultants, Ltd
 - 1) Contract No. 1
Invoice No. 4 NI-EA \$ 51,612.94
 - 2) Eng./Consult. Services NESPS CMT
Invoice No. 6 O&M \$ 7,924.01
 - 3) Safety Manual & Crane Support
Invoice No. 9 O&M \$ 1,621.28
 - 4) CS9
Invoice No. 9 NIEA \$ 5,847.55
 - 5) NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4
Invoice No. 22 NI-EA \$ 26,778.23

6)	Repairs – OMID System Immediate Repairs			
	Invoice No. 26	OIR	\$	16,471.60
7)	NESPS CCA			
	Invoice No. 54	O&M	\$	2,038.00
k)	PMA Consultants			
	Invoice No. 3559.01-10	NESPS	\$	7,984.65
l)	Rotor Electric Co.			
1)	Invoice No. 12376	O&M	\$	1,596.00
2)	Invoice No. 12407	O&M	\$	665.00
3)	Invoice No. 12408	O&M	\$	1,583.79
4)	Invoice No. 12409	O&M	\$	1,784.00
5)	Invoice No. 12410	O&M	\$	3,379.30
6)	Invoice No. 12411	O&M	\$	798.00
7)	Invoice No. 12413	O&M	\$	1,064.00
8)	Invoice No. 12414	O&M	\$	1,330.00
9)	Invoice No. 12415	O&M	\$	1,330.00
10)	Invoice No. 12416	O&M	\$	532.00

13. Other Business

14. Adjourn

Next Regular Meeting: May 19, 2021 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the location and manner of the next meeting has yet to be determined.

April OMID meeting

Wed, Apr 21, 2021 11:30 AM - 1:30 PM (EDT)

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Agenda Item No. 3

Board Meeting Minutes from March 17, 2021

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

March 17, 2021

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held via GoToMeeting on the 17th day of March at 11:30 a.m. Eastern Standard Time. Due to the COVID-19 pandemic, the meeting was conducted electronically via GoToMeeting in accordance with PA 254 of 2020.

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 for Jim Nash, Secretary and Oakland County Water Resources Commissioner.

OTHERS PRESENT:

Representing the office of the Macomb County Public Works Commissioner: Brian Baker and Stephen Downing. Representing the office of the Oakland County Water Resources Commissioner: Steven Korth, Joel Brown, Sid Lockhart, Kelsey Cooke, Brian Coburn, Evans Bantios, Raphael Chirolla and Megan Koss. Others in attendance: Fritz Klingler, FK Engineering; Shawn Phelps and Jeff Ragle, OC Fiscal Services; Brady Harrington, MDARD; Larry Gilbert and Saju Sachidanandan, NTH Consultants; Terry Moore, Metco; John Michalski, ASI; Pete Webster, Dickinson Wright; and Joe Viviano (Kienbaum Hardy Viviano Pelton & Forrest)

1. Call meeting to order.
Chairperson Gregg called the meeting to order at 11:57 a.m. and noted the meeting was being held electronically in accordance with PA 254 of 2020. In compliance with the aforementioned, Chairperson Gregg indicated he was participating from Mason, Michigan, Commissioner Miller indicated she was participating from Harrison Township, Michigan and Deputy Commissioner Vaara indicated she was participating from Royal Oak, Michigan.
2. Agenda.
Motion by Miller, supported by Vaara, to approve the March 17, 2021 agenda as presented.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
VAARA: AYE

3. Minutes.
Motion by Vaara, supported by Miller, to approve the minutes of the February 17, 2021 meeting.

ROLL CALL VOTE:

GREG: AYE
MILLER: AYE
VAARA: AYE

4. Public Comment.

None.

5. Flow Control “Lock Out – Tag Out”.

Mr. Webster provided a comprehensive Memorandum and verbal overview of the historical flow control procedures for the Drainage District. He indicated that the most imperative question to answer was who should perform the function of de-energizing and re-energizing the system in the flow control process. Mr. Webster stated that there is neither a definitive legal requirement, nor is there industry standard for who performs the aforementioned function, and that it is done on a case-by-case basis. He noted that clarifying who performs this role has significant value for the safety of the Drainage District structures and employees/contractors. Mr. Webster ultimately recommended tasking Metco with the de-energization and re-energization aspect of the flow control process.

Discussion regarding insurance implications ensued. Mr. Webster indicated he had spoken to Meadowbrook Insurance Group and that the recommended action posed in his Memorandum would not compromise insurability. Mr. Webster suggested that consideration be given to developing a joint operating agreement to memorialize the understanding of the responsibilities and risks related to the relevant drainage districts related surrounding this issue.

Motion by Miller, supported by Vaara, to accept the recommended action in the Flow Control “Lock Out – Tag Out” Review Memorandum (see attached), to authorize legal counsel to discuss drafting a joint operating agreement and to review the status of action taken in accordance with the recommendations in the Memorandum in six months.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

VAARA: AYE

6. Memorandum regarding Pump 4 Operational Changes.

Brian Coburn presented a Memorandum requesting the Board approve the proposed operating budget, cost allocation and Capital Improvement Program for the rate year beginning July 1, 2021. He provided an overview of the budget, flow and cost allocations and capital projects planned for 2022.

Motion by Vaara, supported by Miller, to approve the proposed budget, flow and cost allocation and Capital Improvement Program for the rate year beginning July 1, 2021 as presented.

ROLL CALL VOTE:

GREG: AYE

MILLER: AYE

VAARA: AYE

7. Engineering Work Order.

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

- a) NTH Work Order No. D – _____ for CCTV inspection of the Drainage District system for an amount not to exceed \$526,974. Motion by Miller, supported by Vaara, to approve the Engineering Work 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:

- a) Construction Estimate No. 5 for Walsh Construction for NESPS Pump & Electrical Upgrades Project (GMP Phase) in the amount of \$525,977.49 with a transfer to reserves with the Oakland County Treasurer in the amount of \$58,441.95. Motion by Miller, supported by Vaara, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

- b) Construction Estimate No. 3 for Walsh Construction for CS-9 Gate Installation in the amount of \$7,136.25 with a transfer to the Oakland County Treasurer in the amount of \$792.91. Motion by Miller, supported by Vaara, to approve the Construction Pay Estimate as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

- c) Construction Estimate No. 2 for Doetsch for OMID Localized Rehabilitation and Spot Repairs in the amount of \$422,808.38 with a transfer to the Oakland County Treasurer in the amount of \$46,862.32. 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 5 and the NESPS. Motion by Miller, supported by Vaara, 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 \$ 7,476.04
 - Segment 4 NESPS Gatehouse \$ 349.74
 - Segment 4 NESPS Odor Corrosion Study \$ 740.69
 - Segment 5 NI-EA Construction \$ 3,916.39
 - Segment 5 NESPS Mech./Elect. Construction \$ 21,363.44
 - 2) Equipment Charges
 - Segment 4 \$ 421.96
 - Segment 4 NESPS Gatehouse \$ 13.46
 - Segment 4 NESPS Odor Corrosion Study \$ 19.45
 - Segment 5 NI-EA Construction \$ 194.20
 - Segment 5 NESPS Mech./Elect. Construction \$ 2,208.73
 - 3) Milage
 - Segment 4 \$ 530.88
- b) Applied Science, Inc.
Invoice No. 7801 (25) NESPS M&E \$ 76,685.00
- c) Bioair
Invoice No. I-21036 Seg. 4 \$ 10,140.50
- d) Clark Hill
- 1) Invoice No. 1065223 O&M \$ 432.00
 - 2) Invoice No. 1067284 O&M \$ 108.00
- e) CSM
- 1) Invoice No. 21OMIDD-001 O&M \$ 771.68
 - 2) Invoice No. 21OMIDD-005 O&M \$ 1,706.06
- f) Dickinson Wright
- 1) Invoice No. 1537008 O&M \$ 1,085.00
 - 2) Invoice No. 1555154 O&M \$ 1,300.56
 - 3) Invoice No. 1555164 O&M \$ 1,237.50
- g) EJ USA
Invoice No. 110210010206 O&M \$ 2,260.95
- h) Konecranes
Invoice No. 154410510 O&M \$ 953.75

i)	McNaughton-McKay Electric Company		
	Invoice No. 21213894	O&M	\$ 1,069.68
j)	METCO		
	Invoice No. 1811-26	O&M	\$ 118,281.28
k)	NTH Consultants, Ltd		
	1) Contract No. 1		
	Invoice No. 3	NI-EA	\$ 38,107.60
	2) Eng./Consult. Services NESPS CMT		
	Invoice No. 5	O&M	\$ 8,447.22
	3) Safety Manual & Crane Support		
	Invoice No. 8	O&M	\$ 2,076.07
	4) NI-EA – Engineering Design Services Rehabilitation of NI-EA Sections PCI-4		
	Invoice No. 21	NI-EA	\$ 50,666.59
	5) Repairs – OMID System Immediate Repairs		
	Invoice No. 25	OIR	\$ 27,964.63
l)	PMA Consultants		
	Invoice No. 3559.01-9	NESPS	\$ 7,984.65

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

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

12. Resolution regarding Electronic and Telephonic Meetings Procedures

Ms. Cooke and Ms. Koss provided the Board with an overview of the current state of the Open Meetings Act and anticipated changes at the end of March. It was noted that, without legislative action, the “any circumstances” allowance would no longer be in effect, greatly impacting the Board’s ability to proceed entirely virtually during the ongoing COVID-19 pandemic. It was indicated that adopting the proposed policy pertaining to electronic and/or telephonic meetings would afford the Board some protection proceeding electronically in whole or in part after March 30th.

Discussion ensued regarding meeting options post-March 30th and interjurisdictional issues posed by the intercounty nature of the Drainage District.

It was moved by Miller, supported by Vaara, to approve the Resolution regarding Electronic and Telephonic Meetings Procedures as presented.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

13. Other Business.

None.

14. Adjourn.

Motion by Vaara, supported by Miller, to adjourn the March 17, 2021 meeting at 2 p.m.

ROLL CALL VOTE:

GREGG: AYE

MILLER: AYE

VAARA: AYE

Next Regular Meeting: April 21, 2021 at 11:30 a.m., Eastern Standard Time. Due to the ongoing COVID-19 pandemic, the nature and location of the April meeting have 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 March 17, 2021 and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act being Act 267, Public Acts of Michigan, 1976, as amended, and that the minutes were kept and will be or have been made available to the public as required by the Act.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this 22nd day of March, 2021.



Jim Nash, Secretary
Oakland-Macomb Interceptor Drain Drainage Board

Agenda Item No. 4

Public Comment

Agenda Item No. 5

Memorandum regarding revised operating budget, cost allocation, and Capital Improvement Program



Oakland-Macomb Interceptor Drain Drainage District

TO: Mike Gregg, Chairman
Oakland-Macomb Interceptor Drain Drainage District (OMIDDD)

FROM: Brian Coburn, Chief Engineer WRC
Stephen Downing, Construction Engineer MCPWO

SUBJECT: **REVISED** Rate Year (RY) 2021/22 Budget Recommendation

DATE: April 21, 2021

On March 17, the Drain Board approved the proposed operating budget (Exhibit A), cost allocation (Exhibit B), and the Capital Improvement Program (Exhibit C) for the rate year 2021-2022. The OMID budget was developed based on a preliminary budget from Great Lakes Water Authority (GLWA).

The GLWA Board subsequently voted on March 24, to decrease the proposed sewer budget which resulted in a decrease to OMID of \$46,000 per year. This change was incorporated into the previously approved OMID budget through an increase in the revenue for the Capital Reserves. This allows the OMID system to remain revenue neutral when compared to the 2021 fiscal year.

The exhibits that were approved on March 17 have been revised to reflect the savings to the OMID system. The revised exhibits are attached for approval.

Recommended Action: Approve the revised operating budget (Exhibit A), cost allocation (Exhibit B), and the Capital Improvement Program (Exhibit C) for the rate year beginning July 1, 2021, as amended to reflect GLWA action on March 24, 2021.

Effective July 1, 2021

Exhibit A

Annual Operating Charges

	Current 2021 Budget	2022 Budget	COSDS %	MIDD %	Annual COSDS	Annual Macomb	Monthly COSDS	Monthly MIDD
<u>GLWA</u>								
Common-to-all and OMIDDD Charges		\$ 68,038,100	31.99%	68.01%	\$ 21,765,388	\$ 46,272,712		
CSO Program		1,671,700	39.48%	60.52%	659,987	1,011,713		
Total	69,703,800	69,709,800			22,425,375	47,284,425	\$ 1,868,781.25	\$ 3,940,368.75
<u>OMIDDD</u>								
Operations and Maintenance Expense								
Sewer System Maintenance	1,583,750	1,078,400	31.99%	68.01%	344,980	733,420		
Sewer System Engineering	15,360	52,210	31.99%	68.01%	16,702	35,508		
Pump Maintenance Unit	1,767,270	2,191,860	31.99%	68.01%	701,176	1,490,684		
Systems Control Unit	110	260	31.99%	68.01%	83	177		
Mapping Unit	1,900	2,070	31.99%	68.01%	662	1,408		
Miss Dig	370	360	31.99%	68.01%	115	245		
General and Administrative	124,240	63,090	31.99%	68.01%	20,182	42,908		
Subtotal	3,493,000	3,388,250			1,083,900	2,304,350	90,325.00	192,029.17
Non Operating	-	-	31.99%	68.01%	-	-	-	-
Major Maintenance	1,000,000	1,150,000	31.99%	68.01%	367,885	782,115	30,657.08	65,176.25
Emergency Maintenance	500,000	500,000	31.99%	68.01%	159,950	340,050	13,329.17	28,337.50
Capital Improvement	862,980	802,400	33.10%	66.90%	265,594	536,806	22,132.83	44,733.83
Subtotal	2,362,980	2,452,400			793,429	1,658,971		
O&M Non-Rate Revenue	(209,750)	(200,420)	31.99%	68.01%	(64,114)	(136,306)	(5,342.83)	(11,358.83)
FY 2022 Total Fixed Charges	\$ 75,350,030	\$ 75,350,030			\$ 24,238,590	\$ 51,111,440	2,019,882.50	4,259,286.67

Capital Improvements are defined as investments that are made to assets that exceed \$5,000 and increase the useful life of assets by five years or more.

Debt Service*		
2010A mfa 5368-02	1,673,375	1,671,500
2010B	-	-
2011A mfa 5368-02	1,624,125	1,624,750
2013A mfa 5368-03	3,954,200	3,954,400
2014A	469,694	468,344
2015A mfa 2001-01	542,750	543,625
2019 refunding	433,848	437,280
2019 revenue	2,291,947	1,069,018
2020A	2,574,684	3,278,650
2022 Issuance Projected Debt**	-	392,900
Total Debt Service	13,564,623	13,440,466
Total OMIDDD Related Revenue Requirements	88,914,653	88,790,496

* Estimated annual debt service from 20/21 budget updated March 2021

** 2022 Issuance Projected Debt assumes half a year of debt service recovery in 2022 (\$12,250,000 principal, 20 years, 2.5% interest rate)

Oakland-Macomb Interceptor Drain Drainage District

Rate Year (RY) 2021/22 Budget

February 11, 2021

Effective July 1, 2021

Exhibit B

Flow Data

Year	Fiscal Year	OMID FMWG Flows		DWSD Rate Simplification Flows		OMIDDD Allocation Flows	
		COSDS (cfs)	Macomb (cfs)	COSDS (cfs)	Macomb (cfs)	COSDS (cfs)	Macomb (cfs)
1	FY1112	33.25	71.00	32.44	68.00	32.85	69.50
2	FY1213	29.89	62.82	NA	NA	29.89	62.82
3	FY1314	30.74	64.80	NA	NA	30.74	64.80
4	FY1415	29.74	64.76	NA	NA	29.74	64.76
5	FY1516	29.36	65.08	NA	NA	29.36	65.08
6	FY1617	30.63	66.50	NA	NA	30.63	66.50
7	FY1718	34.05	69.60	NA	NA	34.05	69.60
8	FY1819	34.05	69.60	NA	NA	34.05	69.60
9	FY1920	32.51	70.79	NA	NA	32.51	70.79
		9-Yr Average				31.54	67.05
		Percent				31.99%	68.01%

1. All annual flows are based on the average of 12 months of flow (the average is not proportioned based on the actual days of each month)
2. COSDS Flows for fiscal years FY1112 thru FY1415 include a 30% adjustment to account for diversion to Pontiac WWTP. COSDS Flows for fiscal years FY1516 & FY1617 are based on measured flow which includes actual diversion to Pontiac
3. Due to a catastrophic failure at the Clinton River Water Resource Recovery Facility (COSDS's non-OMID outlet), COSDS delivered more than 70% of its flow to OMID in FY1718. For the FY1920 calculations, the actual FY1718 COSDS-to-OMID flow was replaced with a COSDS-to-OMID flow adjusted to equal 70% of the total COSDS flow. The adjustment was made to reflect the intent to deliver 70% of COSDS flow and minimize rate volatility. In FY1819, COSDS offset the high FY1718 COSDS-to-OMID flow with a low FY1819 COSDS-to-OMID flow. With the actual flows from these two years paired, volatility is minimized and the intent to deliver 70% of COSS flow is reflected. Therefore, the FY1718 actual COSDS-to-OMID flow is used for the FY2021 calculations instead of the FY1718 adjusted COSDS-to-OMID flow.
4. In FY1718 and FY1819, there was volatility in the flow delivered from COSDS to OMID (see note 3 for details). When paired, these two years offset each other and the volatility is mitigated. The OMID rates are based on a rolling 9-year average flow rate. In Rate Years 2829 and 2930, these volatile years will roll off the average, which will create volatility in the average. To reduce this future volatility, the COSDS-to-OMID flows and MIDDD flows for FY1718 (COSDS = 37.74 cfs, MIDDD = 67.29 cfs) and FY1819 (COSDS = 30.35 cfs, MIDDD = 71.90 cfs) have both been replaced with the average for these two years (COSDS = 34.045 cfs, Macomb = 69.595 cfs).

EXHIBIT C
OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT
PLANNED CAPITAL AND MAJOR MAINTENANCE WORK
April 21, 2021

Maintenance Reserve (Fund 82912)

Project No.	Project Description	2020 Actual	2021 Projected and Expended	2022 Proposed
	Beginning Maintenance Reserve Balance		\$3,311,542	\$1,231,542
	Total Maintenance Reserve Revenue	\$700,000	\$1,000,000	\$1,150,000
1-2842	NESPS Operational Transition	\$113,816	\$200,000	\$0
1-3014	NESPS Emergency Contingencies Project	\$5,163	\$180,000	\$0
1-3015	OMID Immediate Repairs Project	\$47,278	\$2,300,000	\$0
N/A	CCTV Inspection	\$0	\$250,000	\$250,000
N/A	PLC Replacement at NESPS Generator	\$0	\$150,000	\$0
N/A	NEXGEN (Asset Management) Implementation	\$0	\$0	\$0
N/A	Generator Tank Paint/Gas Line Modifications	\$0	\$0	\$0
NEW	Wet Well Cleaning	\$0	\$0	\$500,000
	Total Maintenance Reserve Expenses	\$166,258	\$3,080,000	\$750,000
	Ending Maintenance Reserve Balance	\$3,311,542	\$1,231,542	\$1,631,542

Capital Reserve (Fund 82912)

Project No.	Project Description	2020 Actual	2021 Projected and Expended	2022 Proposed
	Beginning Capital Reserve Balance		\$2,277,657	\$8,108,521
	Total Capital Reserve Revenue	\$5,981,197	\$862,980	\$802,400
1-3016	OMID Flow Control Improvements	\$300,734	\$500,000	\$1,500,000
1-3017	NESPS Security Upgrades	\$7,708	\$0	\$0
1-3018	NESPS Drywell Elevator Upgrades	\$91,957	\$175,000	\$0
1-3019	OMID NIEA Sewer Rehabilitation Design	\$2,156,941	(\$2,236,913)	\$0
1-3020	NESPS Mechanical and Electrical Upgr/Design	\$3,740,101	(\$3,905,972)	\$0
N/A	OMID PCI-7 Bypass Feasibility Analysis	0	\$0	\$450,000
N/A	Pipe Lining PCI-7	0	\$0	\$1,000,000
N/A	Hydrogen Sulfide Mitigation in OMID/NI-EA	0	\$500,000	\$5,500,000
NEW	MIDDD Segment 5-OMID Portion	0	\$0	\$562,500
	Total Capital Reserve Expenses	\$6,297,441	(\$4,967,884)	\$9,012,500
	Ending Capital Reserve Balance	\$2,277,657	\$8,108,521	(\$101,579)

Emergency Maintenance (Fund 82912)

Project No.	Project Description	2020 Actual	2021 Projected and Expended	2022 Proposed
	Beginning Emergency Reserve Balance		\$125,000	\$625,000
	Total Emergency Reserve Revenue	\$125,000	\$500,000	\$500,000
	No Planned Work			
	Total Emergency Reserve Expenses	\$0	\$0	\$0
	Ending Emergency Reserve Balance	\$125,000	\$625,000	\$1,125,000

Summary of Reserve Balances (Fund 82912)

Reserve	2020 Actual	2021 Projected and Expended	2022 Proposed
Undesignated	\$10,681,685	\$10,681,685	\$10,681,685
Major Maintenance	\$3,311,542	\$1,231,542	\$1,631,542
Emergency Maintenance	\$125,000	\$625,000	\$1,125,000
Capital	\$2,277,657	\$8,108,517	(\$101,579)
Net Position	\$16,395,884	\$20,646,744	\$13,336,648
30% of the Operations and Maintenance Budget		\$21,959,040	\$21,929,415

Current Construction Funds 2/18/21

Project No.	Project Description	Construction Fund	Committed for Capital Projects (In-progress)
1-2892	Odor Corrosion Study	84912-Segment 1	\$0
1-1557	Interceptor Segment 3	84914-Segment 3	\$0
1-1913	Interceptor Segement 4	84915-Segment 4	\$159,794
1-2041	NESPS Pump Install	84915-Segment 4	\$7,979
1-2232	NESPS Gatehouse	84915-Segment 4	\$26,798
1-2708	NESPS Odor/Corrosion Project	84915-Segment 4	\$11,610
Total Remaining Expense in Construction Funds			\$206,181

Current and Future Bonded Projects Through 2022

Project No.	Project Description	Bond Timing	Project Estimate
1-3308	NESPS Mechanical and Electrical Construction	Fall 2020	\$54,086,000
1-3309	NIEA Phase I/II First Bond	Fall 2020	\$28,395,600
1-3308&1-3309	NESPS-NI-EA Related Additional Scope	Fall 2020	\$1,518,400
NEW	NIEA Phase II Bond	Fall 2021	\$7,000,000
NEW	Pump 4 VFD Replacement	Fall 2021	\$1,200,000
NEW	25 ton Crane Roof/Upgrades	Fall 2021	\$1,500,000
NEW	New OMID NESPS Gate controls	Fall 2021	\$50,000
NEW	NESPS Wet Well Elevator	Fall 2021	\$1,000,000
NEW	NESPS Wet Well Divider Gate	Fall 2021	\$1,000,000
NEW	NESPS Wet Well Gas Heaters	Fall 2021	\$500,000
Total Future 2020-2021 Bonded Projects			\$96,250,000

Agenda Item No. 6

Jacobs presentation of
OMID Odor Corrosion Study Results

Executive Summary

The Oakland-Macomb Interceptor Drain (OMID) wastewater collection system has experienced degradation in some sewer reaches due to sulfuric acid formed from hydrogen sulfide (H_2S). The H_2S present in the OMID interceptor sewer headspaces is primarily due to turbulence caused at numerous drop connections from shallower sanitary sewers into deeper interceptor sewers. Also, OMID flow control structures are operated to store wastewater by closing low-flow sluice gates (Storage Mode). The stored wastewater is subsequently released into downstream sewer reaches by overtopping divider walls and/or opening the low-flow sluice gates (Release Mode). The storage of wastewater creates additional detention time promoting production of sulfides that are stripped as H_2S during release mode conditions due to the turbulence created by weir flow over the divider walls and flows at high velocities through the sluice gate openings. High peaks of H_2S are often measured directly downstream of the flow control structures. The H_2S combined with positive air pressures in the sewer headspace (air space above the wastewater) results in odorous emissions from openings that have caused recurring odor complaints at some locations. The sulfuric acid formed on sewer walls from the H_2S can also cause corrosion of concrete and exposed metal surfaces.

These issues have been ongoing since the OMID system was originally constructed in the 1970s. Past studies were performed to address some of the issues and some measures have been taken to mitigate those issues. However, significant problems remain that must be addressed to (1) prevent further degradation; (2) extend the life of the interceptor sewer system; and (3) reduce odor complaints throughout the system.

The Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) contracted CH2M HILL Engineers, Inc. (now Jacobs) to conduct a detailed, comprehensive system-wide odor and corrosion evaluation and to develop an mitigative strategy for the OMID interceptor sewer system. This study built upon past related work and coordinated with the Macomb Interceptor Drain Drainage District (MIDDD). Potential effects on odors and sewer corrosion rates from operating scenarios using the flow control structures and pump stations were evaluated. The project included an extensive data collection program of sewer air differential pressures and H_2S concentrations. Air dispersion modeling was also conducted to determine the levels of odor control required to mitigate odors and reduce complaints.

Sampling data were used to develop a detailed state-of-the-art sewer process model using the Wastewater Aerobic/Anaerobic Transformations in Sewers (WATS) modeling platform to predict odors, corrosion, and the most effective locations and alternatives for mitigation. The WATS model simulated the impacts of concrete sewer corrosion rates from recurring storage and release mode operations. Storage events at the flow control structures and pump stations can create high wastewater levels and occasional surcharging that may not allow vapor-phase systems to pull air from all areas of the OMID system. WATS simulated the impact of these occasional sewer surcharges on vapor-phase odor control effectiveness.

An assessment was made of several alternatives to mitigate odors and corrosion throughout the OMID system, including both liquid-phase and vapor-phase treatment technologies. If vapor-phase controls are implemented, then the sewers will be depressurized, and odors will be effectively controlled. Corrosion will also be significantly mitigated, especially in the main interceptor sewers. However, there may be localized corrosion at the drop

connections, near the flow control (gate) structures and the connecting sewers from the bottom of the drops to the interceptors, especially for the parts of the sewer that are not wetted surfaces. These locations should be considered for localized sewer lining.

Vapor-phase treatment is recommended at Meter ST-S-3 and Control Structure No. 6 (CS-6). For the OMID system, the “bottleneck” at Control Structure No. 6 (CS-6) during high flow rates results in an increased potential for odorous air release at this location. Meter ST-S-3 was determined to be one of several locations having high H₂S emissions, with peaks exceeding 100 ppm during sampling. To correctly size the vapor-phase treatment system at Meter ST-S-3, fan testing was completed in June 2019 and December 2020. The December 2020 fan testing was conducted in response recent odor complaints by residents served by the local community sewers upstream of Meter ST-S-3, particularly along Rougewood Drive. The December 2020 fan testing established the air flow rate (14,000 cfm) required to induce a negative pressure within the Oakland Arm Interceptor as well as the upstream, local community collection system. Odorous levels of H₂S were found to occasionally occur during the sampling period in the upper reach of the Avon Arm. Vapor-phase odor control at ST-S-3 would also further mitigate odors originating from the upper end of the Avon Arm.

The remaining portions of the OMID (Oakland Arm and Edison Corridor) is either naturally depressurized or is treated by the recently constructed biotrickling filter at the Northeast Sewage Pumping Station (NESPS).

Implementation of these vapor-phase treatment strategies would provide complete coverage of the OMID system, as illustrated in Figure i. Figure i also shows the sections of MID sewer influenced by proposed odor control system. Together these system improvements will provide nearly complete system odor control coverage. Conceptual designs (Figures ii and iii) and planning-level cost opinions for mitigation alternatives at ST-S-3 and CS-6 were prepared.

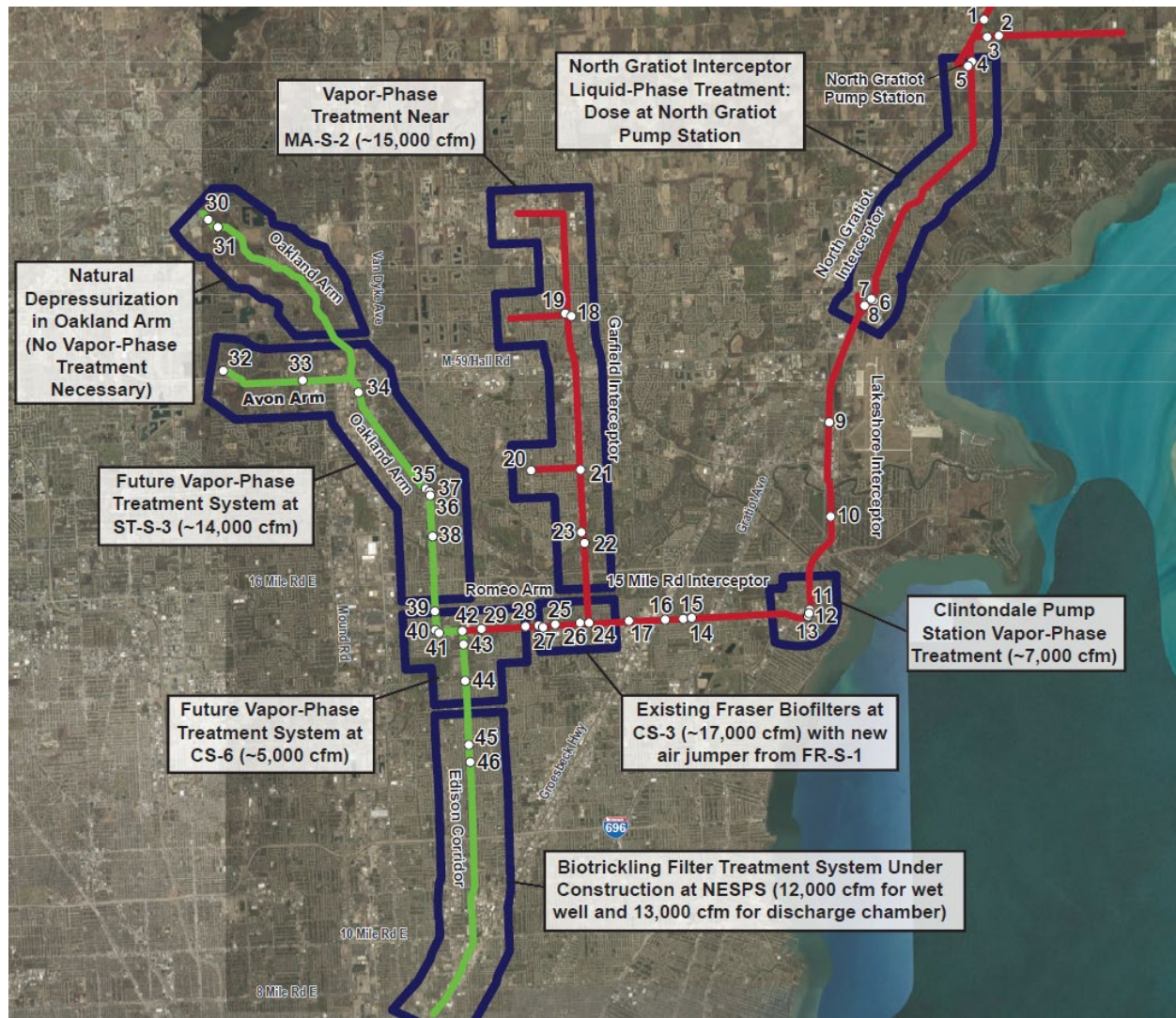


Figure i. Approximate Air Flow “Zones of Influence” from Fan Testing

This study resulted in the following conclusions and recommendations:

- Vapor-phase control devices should be installed at Meter ST-S-3 and at Flow Control Structure No. CS-6. The cost of vapor-phase control is less than liquid-phase controls. Vapor-phase controls also have non-monetary advantages.

Activated carbon or other similar dry media with a rated air flow rate capacity of 14,000 cfm is recommended at Meter ST-S-3; an engineered media biofilter with a rated capacity of 5,000 cfm is recommended at CS-6. However, the other vapor-phase technologies that were evaluated are also feasible and could be further considered, if desired by OMIDDD.

Class 4 opinion of costs, as defined by the AACE International, for vapor-phase treatment alternatives are provided in Table i. Class 4 estimates are appropriate for studies such as this where up to 15% of the project is defined.

Table i. Planning-level Cost Opinions for Vapor-Phase Treatment Alternatives

	Biofilter (Engineered Media) at CS-6	Activated Carbon at Meter ST-S-3 ^b	Total Vapor Phase Treatment Costs (Approximate)
Initial Capital Investment	\$1,585,000	\$3,008,000	\$4,593,000
Annual O&M Costs	\$7,000	\$43,000	\$50,000
20-year Present Worth	\$1,666,000	\$3,502,000	\$5,168,000
^a Capital costs are escalated for inflation to an assumed midpoint of construction of 2021. ^b Capital cost reflects odor control system located in below-ground vault structure. An at-grade, architecturally treated building configuration could also be considered.			

- During storage conditions, the recommended vapor-phase control locations would not provide continuous control in all areas due to headspace constrictions. Passive carbon units could be installed at multiple upstream locations to address this; however, these additional passive carbon units are likely unnecessary due to the relatively low frequency of their long-term use and the relatively low risk of complaints. The Flow Control Structure No. CS-8 and nearby Meter ST-S-1 are in relatively close proximity to residential areas with some reported historical odor complaints and as such will be further evaluated for impacts during flow control during preliminary design.
- The vapor-phase controls will depressurize the sewers and odors will be effectively controlled. Corrosion will also be significantly mitigated especially for the main interceptor sewers. However, there may be localized corrosion at the drop connections and storage gates, especially for the parts of the sewer that are not wetted surfaces. This downstream corrosion mitigation is because the wastewater that splashes on the sewer walls at the drop will tend to wash away the corrosive sulfuric acid. It is, however, difficult to estimate these highly localized H₂S concentrations and their corrosion impacts. It may be necessary to line some of these areas.
- The sizes of the recommended vapor-phase devices are not large enough to depressurize the sewers for some storage and release events when the release rates are relatively fast and the stored wastewater volumes are relatively high. The vapor-phase devices would have to be much larger and would be much more costly to be able to depressurize and treat during all storage events.
- Several storage and release events per year could occur without significant impacts on the sewer life due to corrosion. The frequency of storage and release in upcoming several years and its impact on sewer corrosion was considered and is discussed in further detail in Jacobs' study report. Evaluations showed that if storage and release events were to be conducted frequently—such as every day—the pipe life could be significantly reduced.

- If interceptor leakage (inflow and infiltration, or I&I) in the OMID and MID interceptors and upstream collection systems continues to be reduced, then the more concentrated wastewater will result in higher H₂S headspace concentrations that could cause a significant increase in odors and corrosion. The impacts of interceptor I&I reductions on odor and corrosion should be carefully considered.

Oakland Arm Interceptor - Activated Carbon Treatment Concept

PRELIMINARY--SUBJECT TO CHANGE

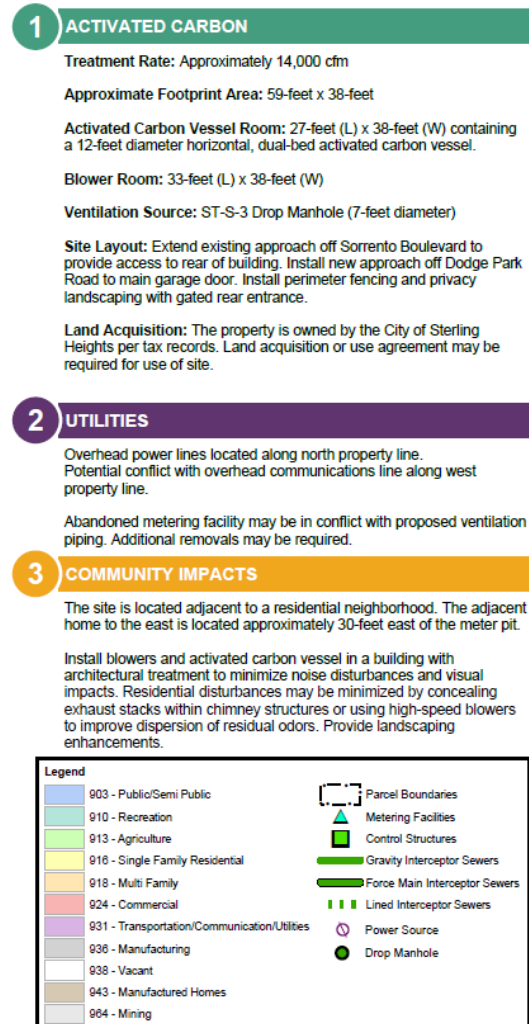


Figure ii. Activated Carbon Treatment, System Layout at Meter ST-S-3

Oakland Arm Interceptor - Engineered Media Biofilter Treatment Concept

PRELIMINARY--SUBJECT TO CHANGE

1 BIOFILTER

Treatment Rate: approximately 5,000 cfm

Approximate Footprint Area: 65-feet x 25-feet

Biofilter: 27-feet (L) x 23-feet (W)

Media Type: Engineered Media

Ventilation Source: Close proximity to Control Structure No. 6 (CS-6). Potentially connect to existing ventilation piping feeding Siemens Carbon Units (to be removed).

Site Layout: Utilize existing driveway approach off 15 Mile Road.



2 UTILITIES

Minimal utility conflicts expected during Biofilter installation. Coordination with ITC required to ensure that minimum clearances to high voltage wires are maintained.

3 COMMUNITY IMPACTS

Minimal additional community impacts expected. Biofilter will be located in an assumed established OMDDD easement on ITC property. A new residential neighborhood is currently being developed west of the site.

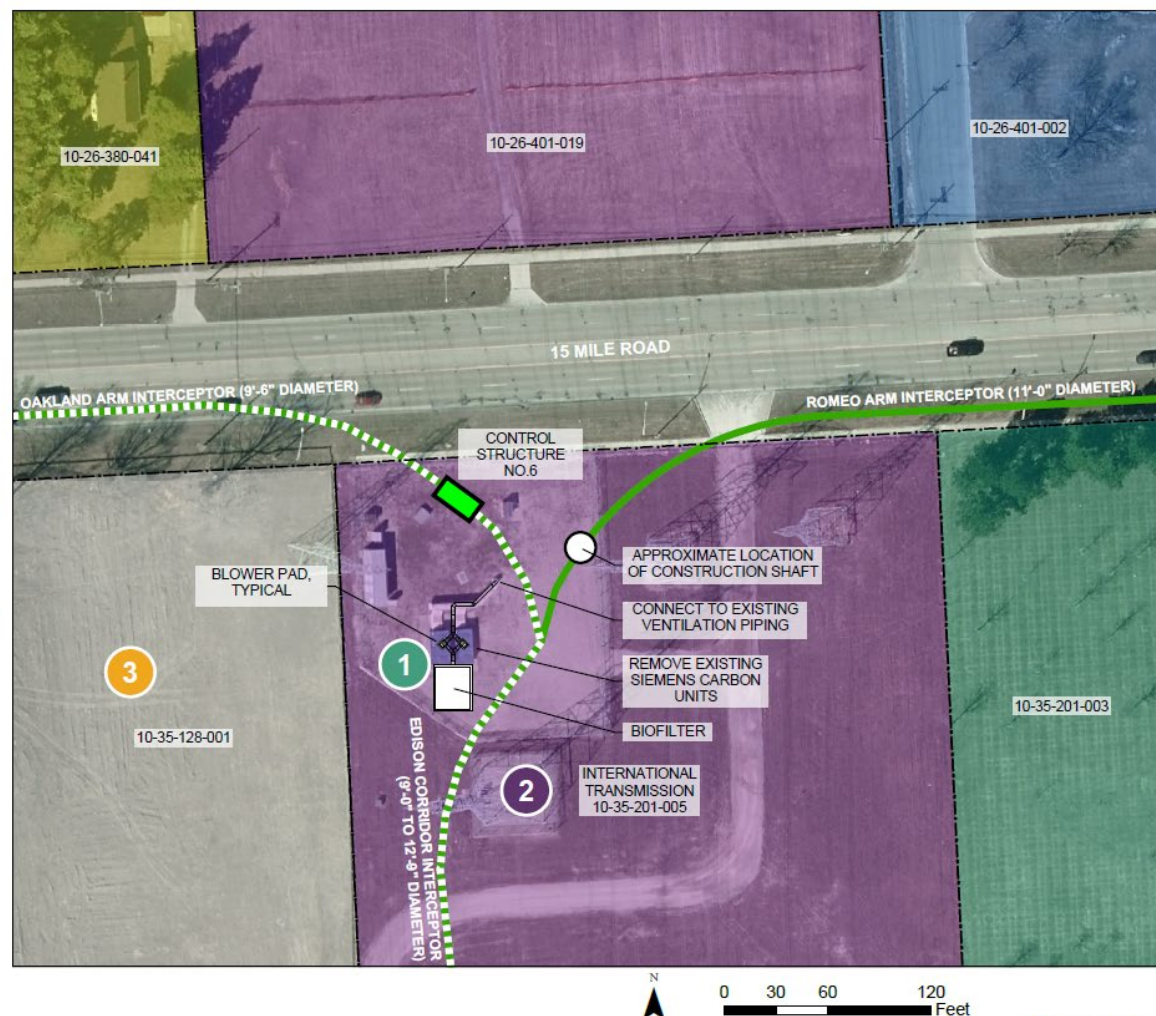
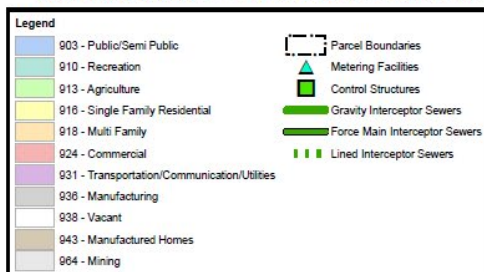


Figure iii. Biofilter with Engineered Media, System Layout at Flow Control Structure No. CS-6

Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) System-Wide Odor/Corrosion Study

*Review of Study Report for
OMIDDD Drain Board Meeting
April 21, 2021*



MICHAEL GREGG
State of Michigan
Department of Agriculture
and Rural Development



WATER RESOURCES COMMISSIONER

Jim Nash



Candice S. Miller
Macomb County
Public Works
Commissioner

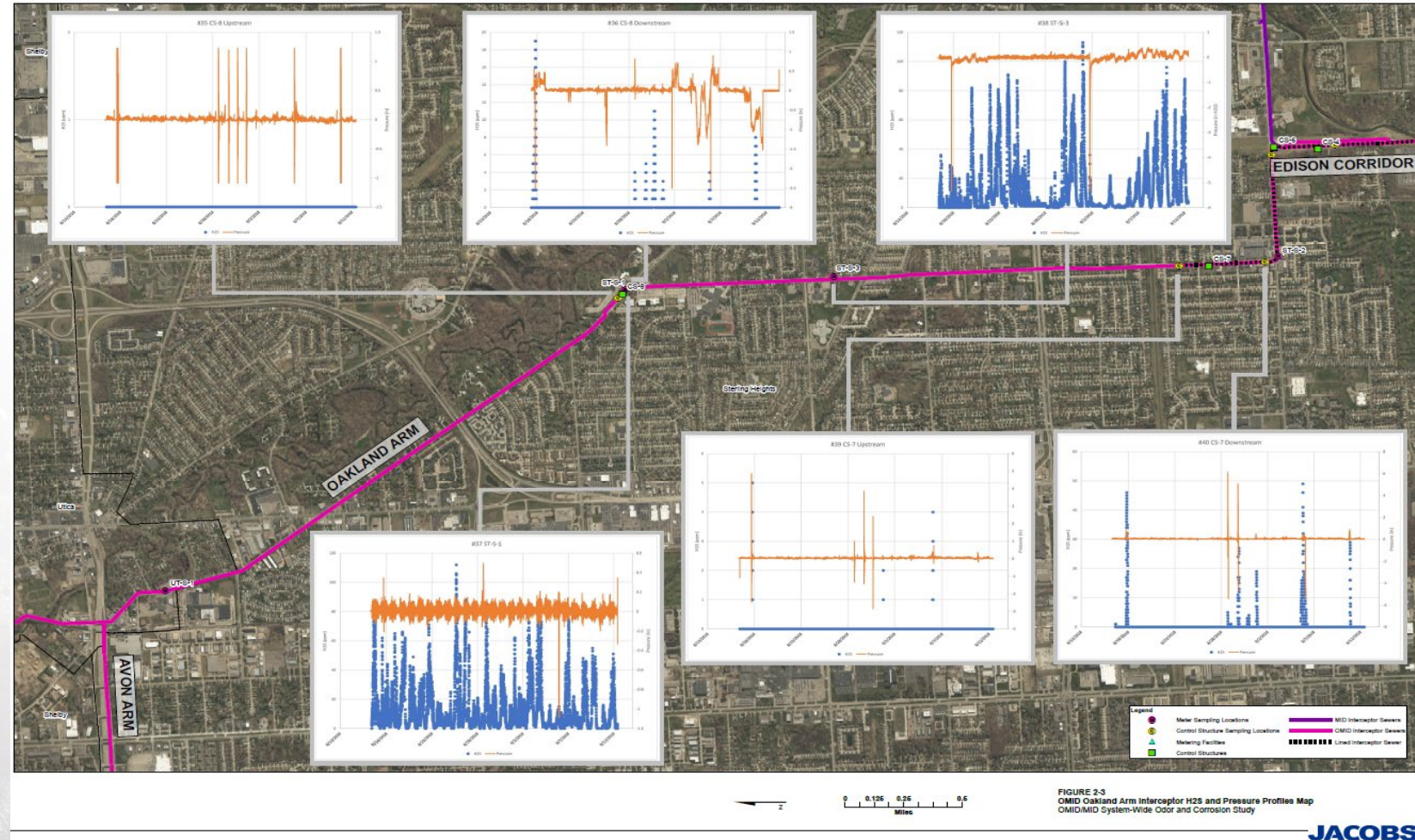
JACOBS

Summary of Major Collection System Odor/Corrosion Challenges

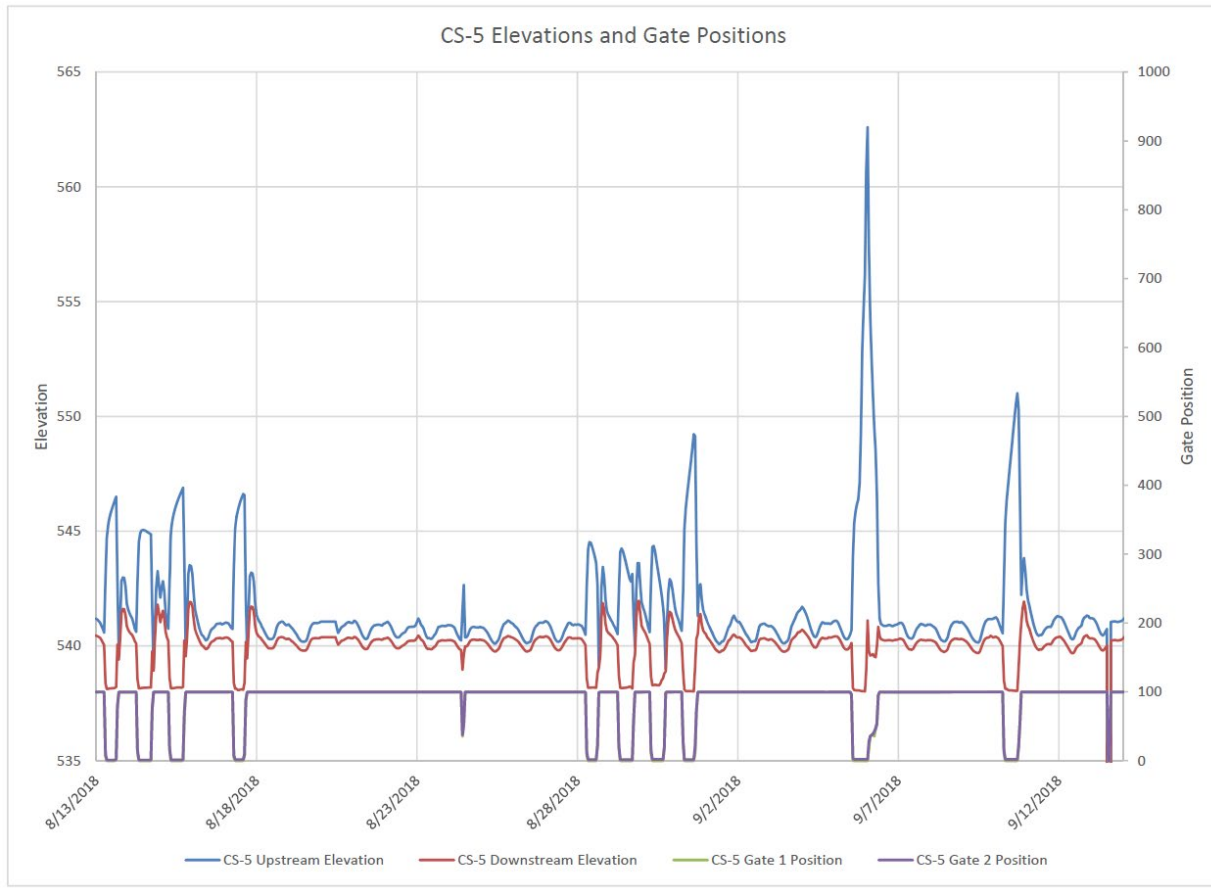
- Sulfide generation in OMID system slightly above average
- “Tight” sanitary system allows H_2S to concentrate in sewer headspace above wastewater
- Metering facilities’ drop connections:
 - Abrupt change in elevation cannot be avoided
 - Elevation change large enough to cause significant hydrogen sulfide stripping
- Flow control/management (storage and release modes):
 - Storing wastewater increases residence time, which increases sulfide generation
 - Sulfides are released by turbulence when low flow sluice gates are opened and/or divider walls are overtopped
 - Release mode can also increase air pressure in the sewer headspace resulting in odor release

Review of Sampling Program

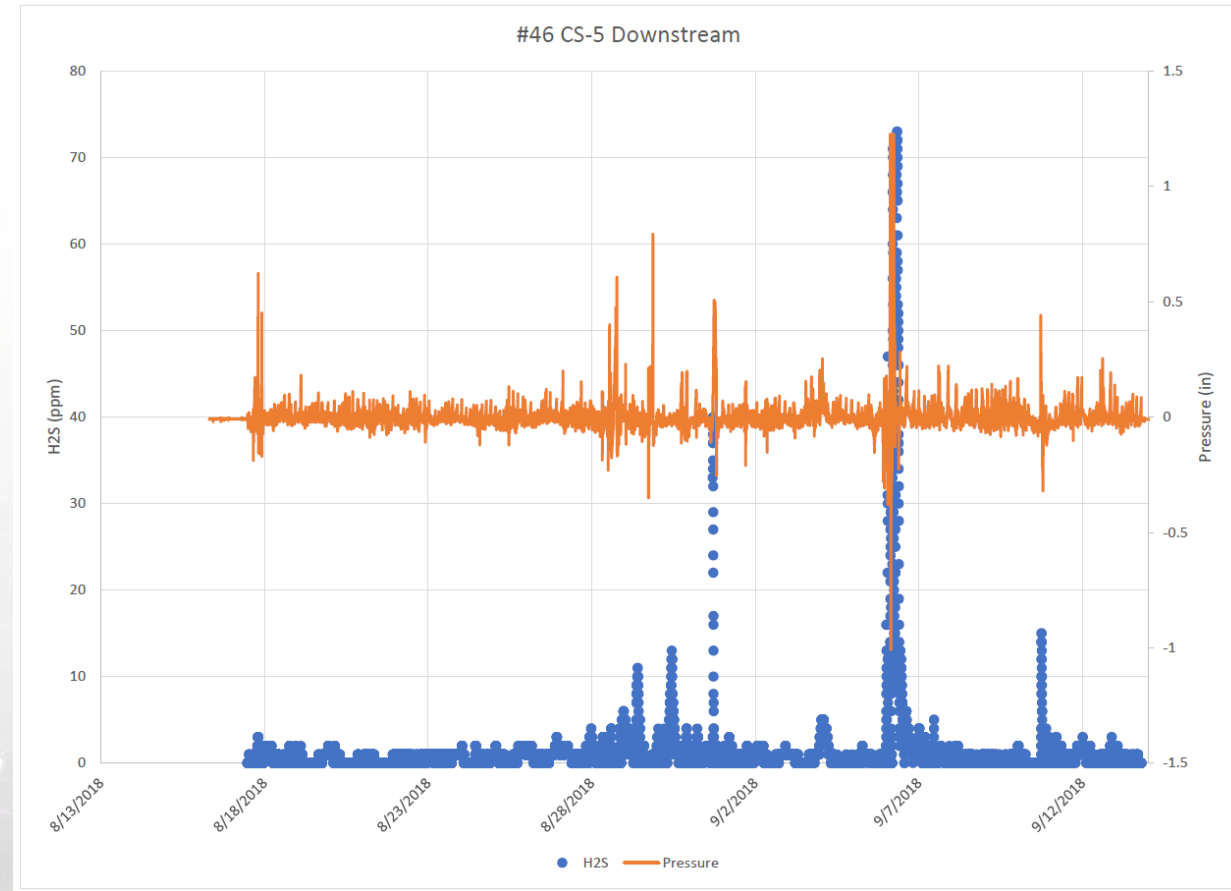
- 46 sampling locations on the MID and OMID
- Continuous sampling of vapor phase H_2S and pressure for 4+ weeks
- Collected liquid grab samples (e.g., total sulfide, dissolved sulfide, temperature, pH, COD, VFAs)
- Used to calibrate WATS model and evaluate controls



Storage and Release Increases H₂S and Air Pressure (Example: CS-5 at Common Road/ITC Corridor)



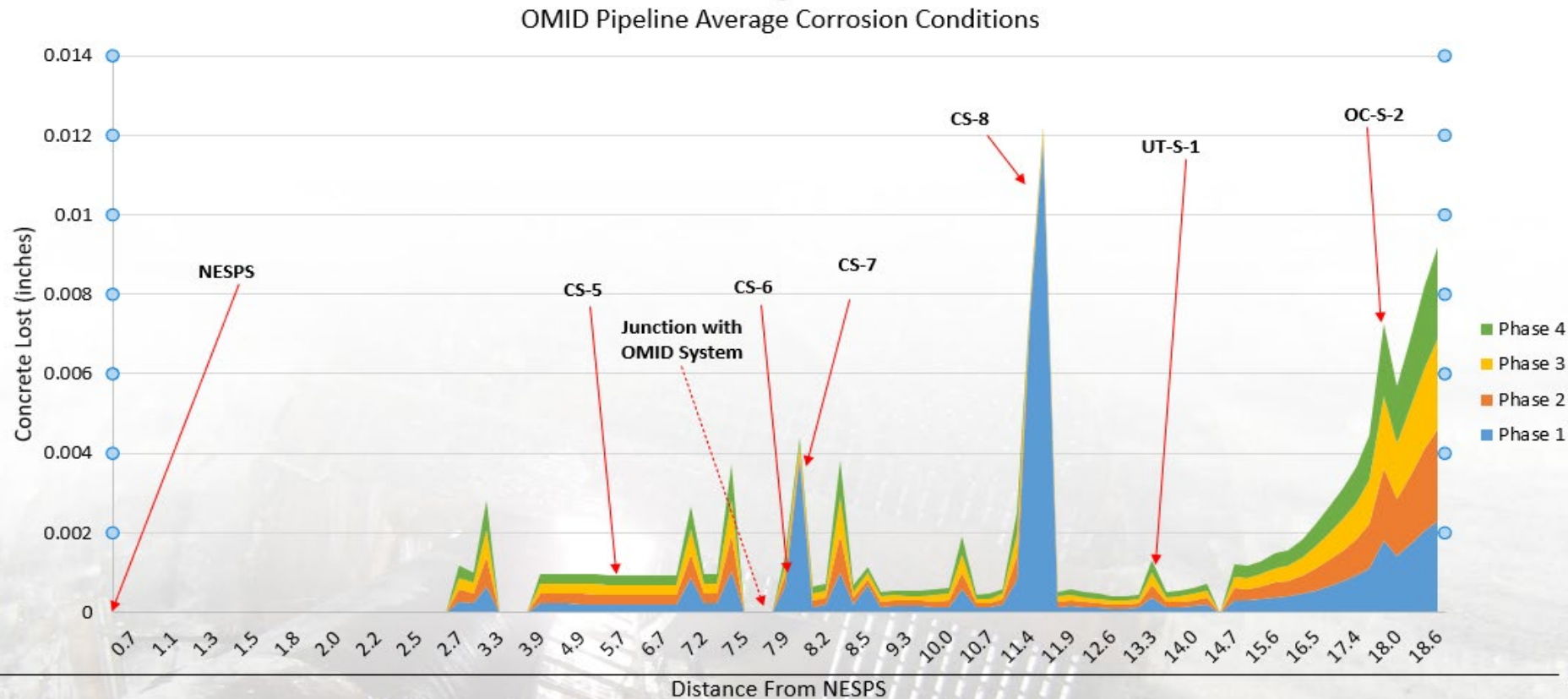
Gate Position and Wastewater Level



H₂S and Air Pressure

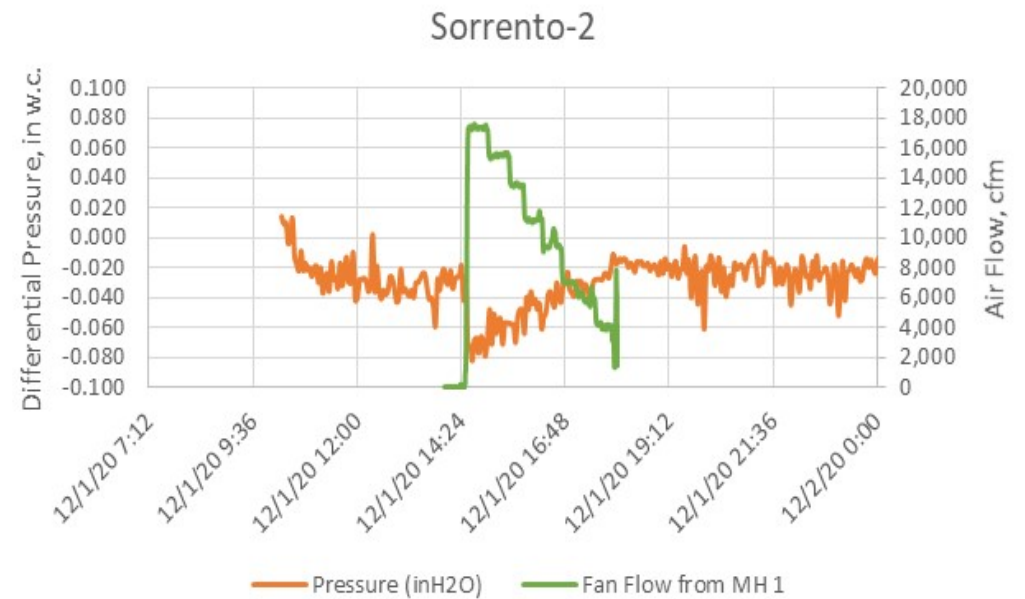
Store/Release Causes Short-term Odors and Corrosion Potential

- Modeling predicted that sewer corrosion rates are not elevated to unacceptable levels due to storage/release using flow control structures
- Temporary or small-scale liquid-phase treatment will be investigated during preliminary design to address issues during flow control (store/release) for planned OMID and MID rehab work.

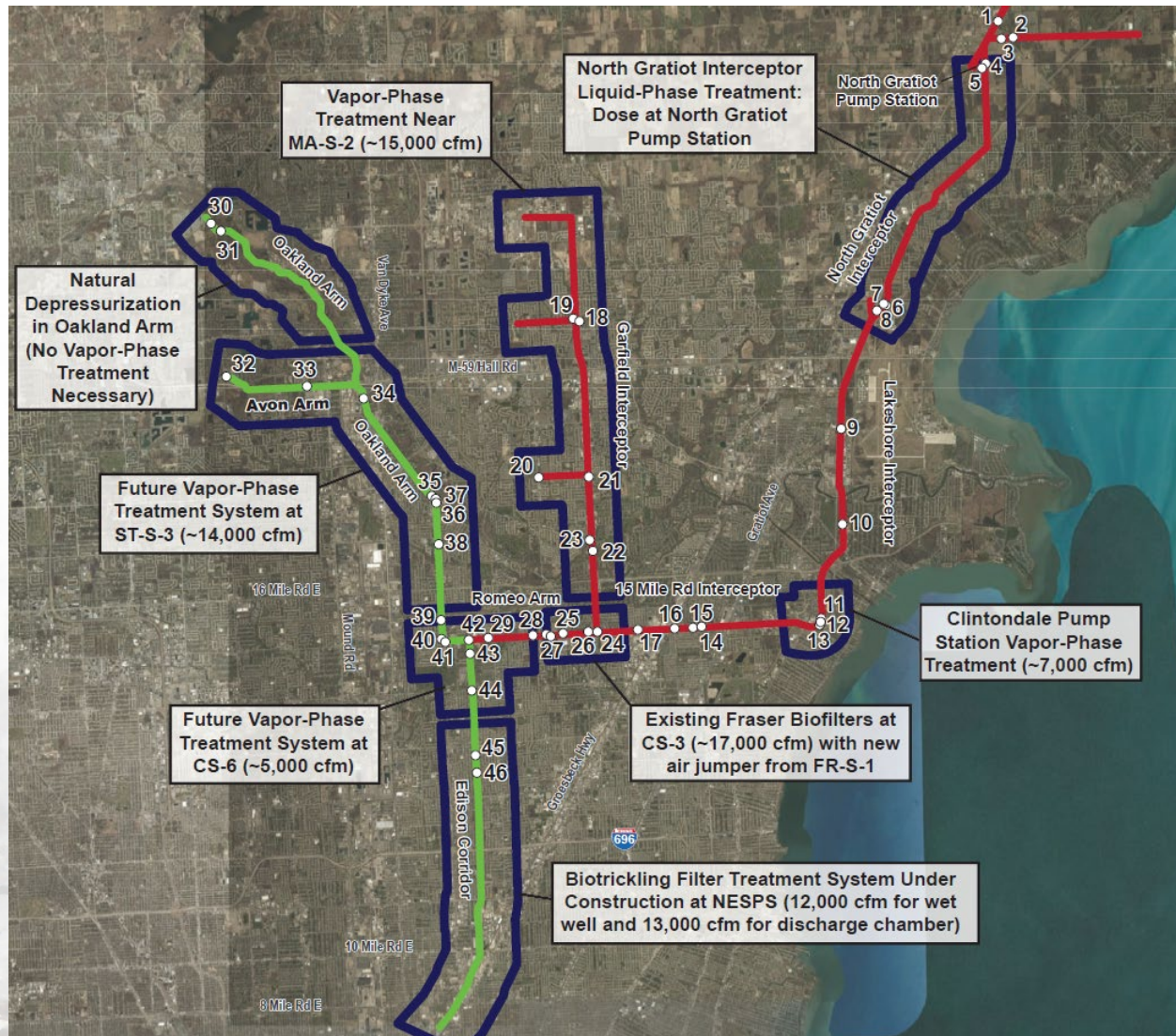


Fan Testing Completed to “Right-Size” Control Air Flow Rates

- Used to “right-size” controls to avoid large/costly systems while also ensuring control of odors and sewer corrosion
- Identified optimum locations for odor/corrosion control systems
- Assisted in selecting best type of control (e.g., biofilter, carbon, etc.)
- Fan testing completed at OC-S-2, ST-S-3, and ST-S-4
- Local system upstream of ST-S-3 tested to address Rougewood Dr. odor concerns



Two Vapor-phase Systems Recommended to Combine with NESPS Biotrickling Filter in OMID System



- Proposed MID odor control solutions also shown.
- Together, these solutions provide nearly complete system odor/corrosion control coverage.

ST-S-3 System Configurations

- Layout Options:
 - At-grade odor control system
 - Odor control system located in a below-ground, concrete vault
 - Odor control system located at-grade, within an aesthetically-treated building
- Key Design Considerations:
 - Aesthetics
 - Noise
 - Residual Odors
 - Cost
- Configuration will be evaluated during preliminary design



Courtesy: Google Earth

ST-S-3 System Treatment

- Carbon adsorption recommended during study phase
- Technology solutions to be considered further
 - Carbon adsorption
 - High-speed fans (no treatment, but improved dispersion)
 - Carbon adsorption + high-speed fans



Carbon adsorption vessel



High-speed fans

Vapor Phase at Meter ST-S-3: Activated Carbon

Oakland Arm Interceptor - Activated Carbon Treatment Concept

PRELIMINARY--SUBJECT TO CHANGE

1 ACTIVATED CARBON

Treatment Rate: Approximately 14,000 cfm

Approximate Footprint Area: 59-feet x 38-feet

Activated Carbon Vessel Room: 27-feet (L) x 38-feet (W) containing a 12-foot diameter horizontal, dual-bed activated carbon vessel.

Blower Room: 33-feet (L) x 38-feet (W)

Ventilation Source: ST-S-3 Drop Manhole (7-feet diameter)

Site Layout: Extend existing approach off Sorrento Boulevard to provide access to rear of building. Install new approach off Dodge Park Road to main garage door. Install perimeter fencing and privacy landscaping with gated rear entrance.

Land Acquisition: The property is owned by the City of Sterling Heights per tax records. Land acquisition or use agreement may be required for use of site.

2 UTILITIES

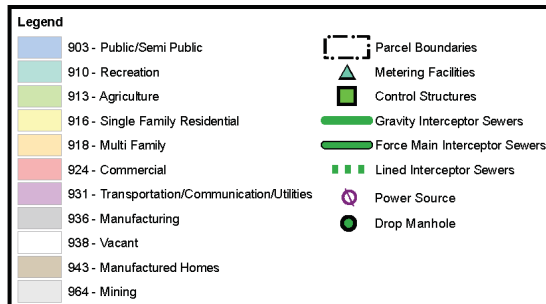
Overhead power lines located along north property line. Potential conflict with overhead communications line along west property line.

Abandoned metering facility may be in conflict with proposed ventilation piping. Additional removals may be required.

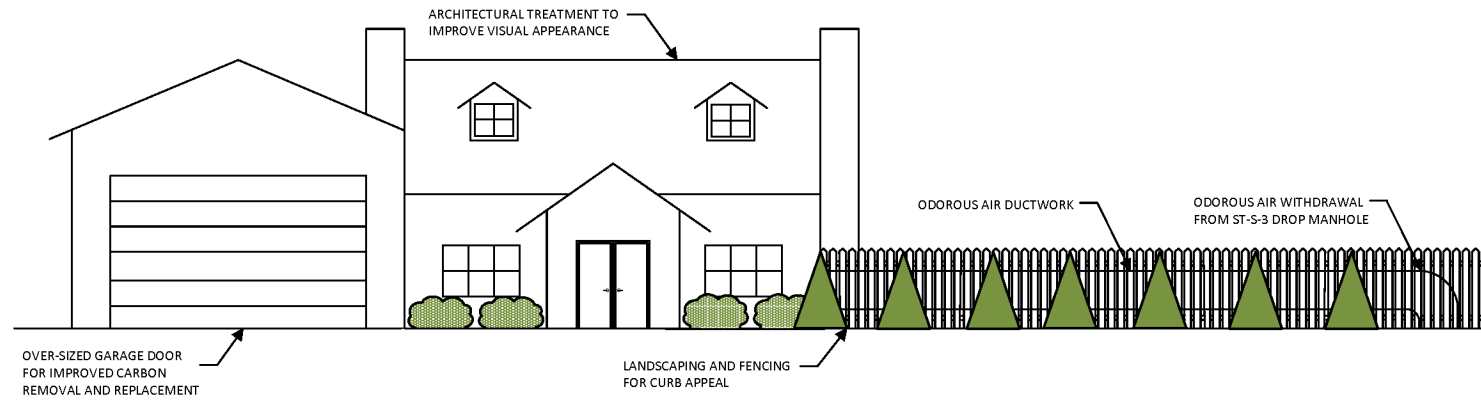
3 COMMUNITY IMPACTS

The site is located adjacent to a residential neighborhood. The adjacent home to the east is located approximately 30-feet east of the meter pit.

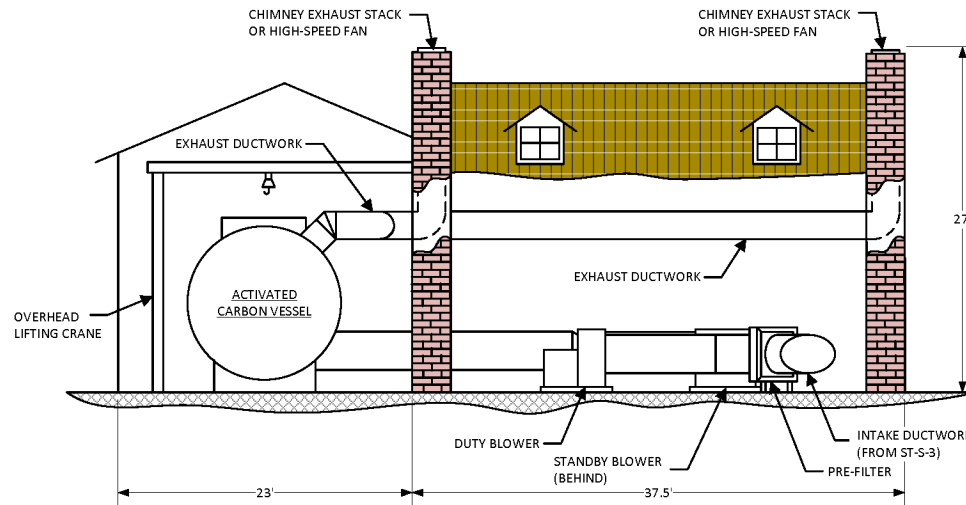
Install blowers and activated carbon vessel in a building with architectural treatment to minimize noise disturbances and visual impacts. Residential disturbances may be minimized by concealing exhaust stacks within chimney structures or using high-speed blowers to improve dispersion of residual odors. Provide landscaping enhancements.



Vapor Phase at Meter ST-S-3: Activated Carbon



STREET VIEW



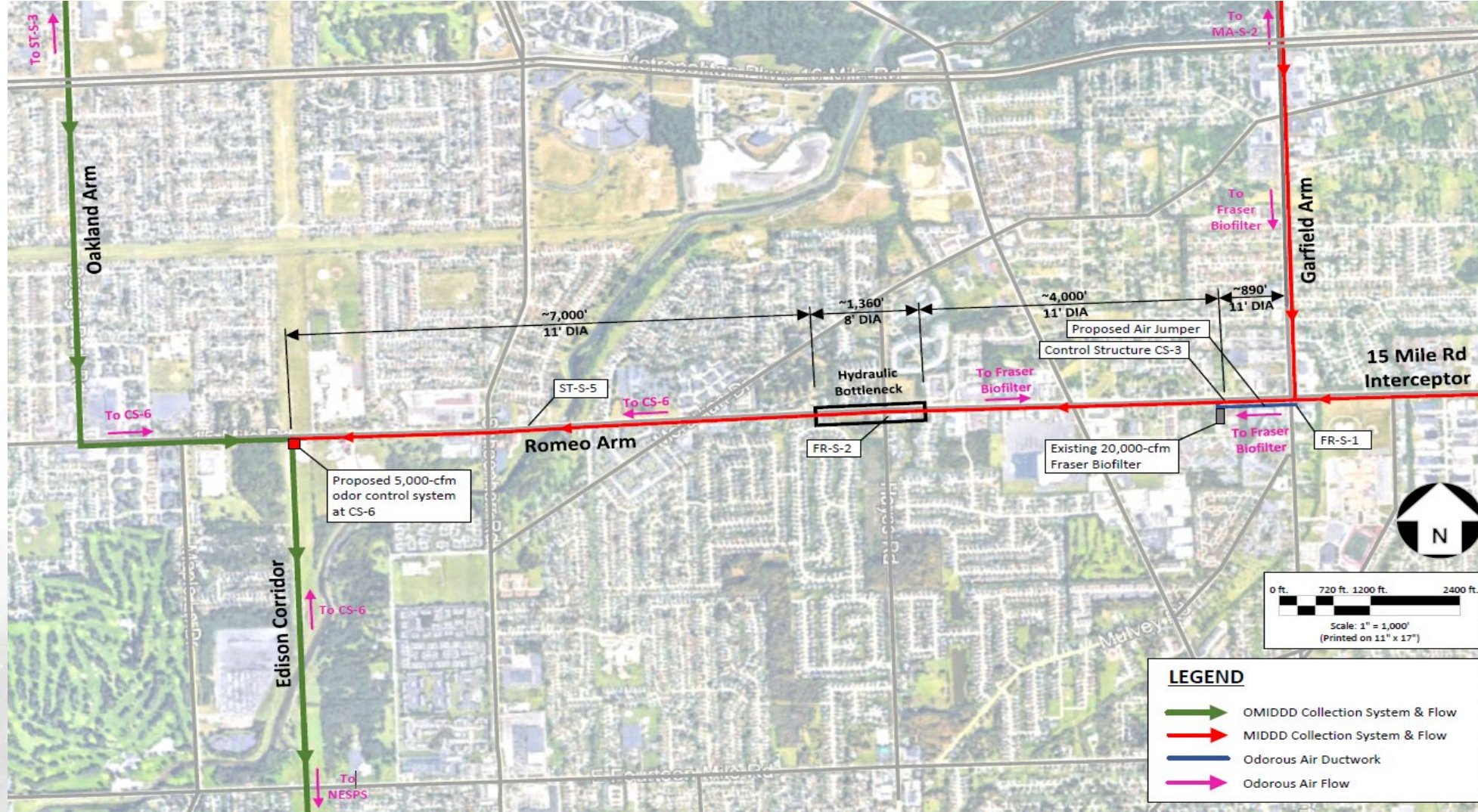
SECTION VIEW

Addressing Aesthetics, Residual Odors, and Noise

- Ensure stacks are tall enough, located in right location, and unobtrusive
- Install activated carbon vessel and equipment in a building



Odor Control at CS-6 Vapor-phase Will Work in Conjunction with NESPS Biofilter, New ST-S-3 Carbon, and Fraser Biofilter



- CS-6 zone of influence limited by hydraulic bottleneck near FR-S-2 of the Romeo Arm

Vapor Phase at CS-6: Biofilter shown

Oakland Arm Interceptor - Engineered Media Biofilter Treatment Concept

PRELIMINARY—SUBJECT TO CHANGE

1 BIOFILTER

Treatment Rate: approximately 5,000 cfm

Approximate Footprint Area: 65-feet x 25-feet

Biofilter: 27-feet (L) x 23-feet (W)

Media Type: Engineered Media

Ventilation Source: Close proximity to Control Structure No. 6 (CS-6). Potentially connect to existing ventilation piping feeding Siemens Carbon Units (to be removed).

Site Layout: Utilize existing driveway approach off 15 Mile Road.

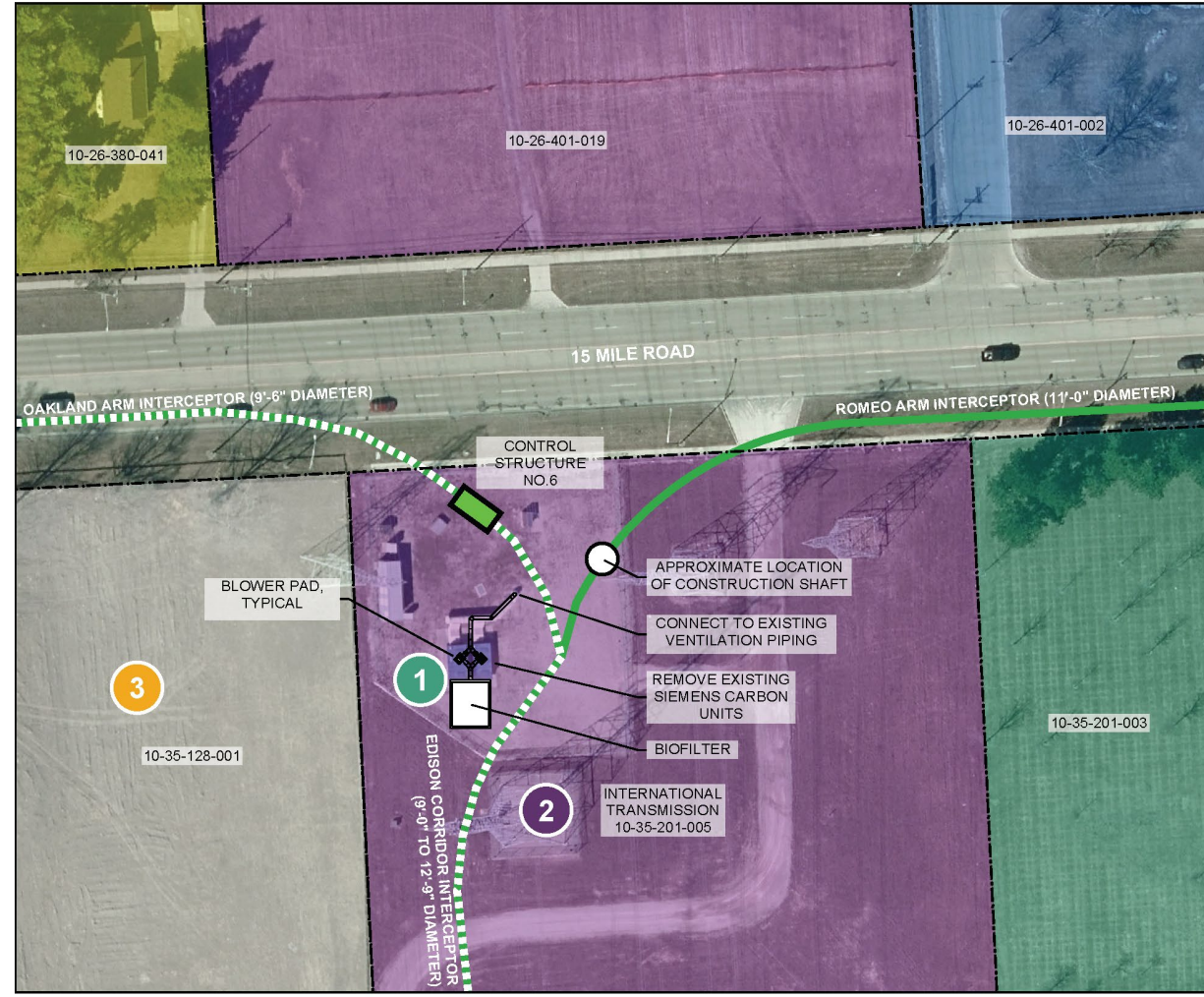
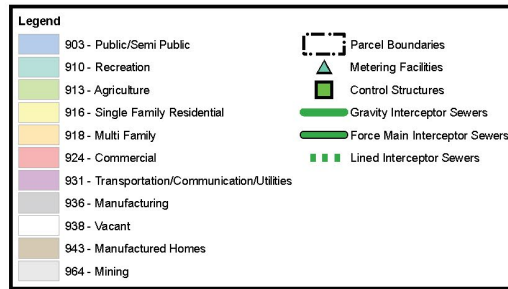


2 UTILITIES

Minimal utility conflicts expected during Biofilter installation. Coordination with ITC required to ensure that minimum clearances to high voltage wires are maintained.

3 COMMUNITY IMPACTS

Minimal additional community impacts expected. Biofilter will be located in an assumed established OMIDDD easement on ITC property. A new residential neighborhood is currently being developed west of the site.



0 30 60 120 Feet

JACOBS

Controls for Odor Needed for Storage Mode?

- Storage events can create high wastewater levels: surcharged interceptors may prevent vapor phase systems from controlling all areas.
- Passive carbon on bottlenecked openings could control odors; however, emissions from bottleneck areas low because air flow rates are low (wastewater not flowing during storage mode).
- Chemical treatment could control bottleneck odors.
- If exhausting odors during relatively few storage events is acceptable because vent locations not near receptors, then no passive carbon or liquid treatment will be needed.
- Treatment solutions will be evaluated during preliminary design for treatment at surcharged locations during flow control.

Planning-level Opinion of Costs

	Biofilter (Engineered Media) at Flow Control Structure No. CS-6	Activated Carbon at Meter ST-S-3 ^a	Total Vapor Phase
Capital Cost	\$1,585,000	\$3,008,000	\$4,593,000
Annual O&M Costs	\$7,000	\$43,000	\$50,000
20-year Present Worth	\$1,666,000	\$3,502,000	\$5,168,000
^a Capital cost reflects odor control system located in below-ground vault structure.			

Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) System-Wide Odor/Corrosion Study

Questions?



MICHAEL GREGG
State of Michigan
Department of Agriculture
and Rural Development



WATER RESOURCES COMMISSIONER

Jim Nash



Candice S. Miller
Macomb County
Public Works
Commissioner

JACOBS



Agenda Item No. 7

Engineering Work Order



Oakland-Macomb Interceptor Drain Drainage District

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

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

**SUBJECT: Approval of CH2M (Jacobs) EWO #3 for NI-EA Odor/Corrosion Study Phase 1
Work at the NESPS and NI-EA PCI-4 Reach**

DATE: April 21, 2021

The OMIDDD Board has been recently made aware of the failure of Milliken's EcoCast liner system within the 110-foot long, 17-foot diameter section of PCI-4 immediately downstream of the Northeast Sewage Pumping Station (NESPS) Discharge Chamber. This liner is showing signs of hydrogen sulfide distress similar to that of unprotected concrete. Further, the OMIDDD Board has also been recently made aware of a failure of the Tnemec coating of the NESPS discharge chamber lines, in which the coating is found to be peeling off in various areas throughout the chamber. We are currently working with our design consultants and contractors to identify the cause of the failures as well as to identify appropriate repair techniques. As part of that effort, we believe it is prudent to identify if there are any appreciable changes in the hydrogen sulfide gas loading that could be contributing to the premature failures of one or both lining systems. Due to the urgent nature to develop appropriate rehabilitation options, we have engaged Jacobs to perform air monitoring of the NESPS and PCI-4 reach downstream of the station. Jacobs has created the appended April 12, 2021 proposal to document this effort so that an Engineering Work Order can be developed for OMIDDD Board Approval. The major scope items for this work are as follows:

1. Install four (4) Acrulog hydrogen sulfide loggers and four (4) Acrulog differential pressure loggers in four manhole structures in PCI-4 and PCI-5 and near the NESPS for a two-week period.
2. Install one (1) Acrulog hydrogen sulfide logger and one (1) Acrulog differential pressure logger inside the NESPS discharge chamber for a two-week period.
3. At the end of the sampling period, download the data and prepare and summarize a brief technical memorandum.
4. Review plans, specifications, photos, and other documentation regarding the application, curing, and service conditions of several epoxy coatings and admixtures in the NESPS discharge chamber and in PCI-4. Conclusions will be made related to the likelihood of sewer corrosion being the cause for – or a significant contributing factor to – the epoxy coating delamination.

This work is being referred to as the NI-EA Odor/Corrosion Study – Phase 1 as there may be other future study phases of the NI-EA needed to address this issue as well as required air sampling analysis of the Conant/Mt. Elliott lining effort as part of the NI-EA Phase II Rehabilitation. As indicated above, Jacobs has already commenced the work due to the time sensitive nature of this overall effort. The balance of the work, including the preparation of a technical memorandum on the subject, is expected by mid-May

2021. The total effort for this work is not-to-exceed \$35,000. An Engineering Work Order (EWO) has been created for this work under Contract #5216. As this contract is scheduled to automatically expire on May 15, 2021, the EWO has also includes a provision to extend the contract another year to May 15, 2022.

RECOMMENDED ACTION: Approve the attached Engineering Work Order for the additional study analyses required for the NI-EA Odor/Corrosion Phase 1 effort for the not-to-exceed amount of \$35,000. In addition, approve the transfer of \$35,000 from the Major Maintenance Reserve (Program #149662) to the Oakland-Macomb Interceptor Drain (OMID) Odor/Corrosion Study Project #1-3275 to provide appropriate funding. There is sufficient funding in the Major Maintenance Reserves to facilitate this request.

OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD

One Public Works Drive

Phone: (248) 858-0958

Waterford, Michigan 48328-1907

No. D -

ENGINEERING WORK ORDER

FOR: OMID Odor and Corrosion Control Study (NI-EA Odor/Corrosion Study Phase 1)

Engineering Consulting Services (Amendment #3) to Contract #5216

TO: CH2M

DATE: 4/13/21

DESCRIPTION

Per *Section 7: General Terms and Conditions, Article 7.28* of the existing Professional Services Contract #5216, this Engineering Work Order (EWO) is your authorization to proceed with the following additional services related to Oakland-Macomb Interceptor Drain System Wide Odor/Corrosion Control Study in accordance with your attached proposal, dated April 12, 2021 with supporting hours estimation and scope description. A breakdown of the additional major tasks, referred to as the NI-EA Odor/Corrosion Study Phase 1 are as follows:

1. Install four (4) Acrulog hydrogen sulfide loggers and four (4) Acrulog differential pressure loggers in four manhole structures in PCI-4 and PCI-5 and near the NESPS for a two-week period.
2. Install one (1) Acrulog hydrogen sulfide logger and one (1) Acrulog differential pressure logger inside the NESPS discharge chamber for a two-week period.
3. At the end of the sampling period, download the data and prepare and summarize a brief technical memorandum.
4. Review plans, specifications, photos, and other documentation regarding the application, curing, and service conditions of several epoxy coatings and admixtures in the NESPS discharge chamber and in PCI-4. Conclusions will be made related to the likelihood of sewer corrosion being the cause for – or a significant contributing factor to – the epoxy coating delamination.

The above tasks are to be completed on a time and material basis not-to-exceed \$35,000 according to the schedule laid out in the proposal.

This contract is also to be extended for another full year to May 15, 2022 as part of this engineering work order.

PREPARED **DATE:** _____

RECOMMENDED **DATE:** _____

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

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

ACCEPTED **DATE:** _____

APPROVED **DATE:** _____

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

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

Approved by Drainage Board on:

April 12, 2021

Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) c/o:

Mr. Joel Brown, PE
Oakland County Water Resources Commissioner
One Public Works Drive, Building 95 West
Waterford, MI 48328

Mr. Steve Downing
Macomb County Public Works Commissioner's Office
21777 Dunham Road
Clinton Township, MI 48036

Subject: OMID System Odor and Corrosion Mitigation
Scope of Work and Fee Estimate for NI-EA Odor/Corrosion Study – Phase 1

Dear Messrs. Brown and Downing:

In accordance with your request, attached is our Engineering Services Proposal and Fee Estimate for the above referenced project. The Engineering Services Proposal includes a detailed scope of work, breakdown of level-of-effort by task and week, and a proposed schedule for project implementation.

Our proposed implementation schedule began in March 2021, and we anticipate delivering our technical memorandum no later than April 30, 2021. The final technical memorandum will be issued once review comments are received by MCPWO and OCWRC staff.

Our team is prepared to immediately begin work on the North Interceptor – East Arm odor/corrosion study and we are looking forward to working closely with MCPWO and OCWRC staff to successfully complete this important effort for the OMIDDD.

Please contact Jason Matteo (586-453-8666) with any questions or requests for additional information regarding our proposal.

Sincerely,



Jason A. Matteo, PE
Senior Project Manager



Doug Stachler, PE
Authorized Representative

Project Understanding

The North Interceptor – East Arm (NI-EA) is a large diameter interceptor sewer located downstream of the Northeast Sewage Pumping Station (NESPS). The 6.85-mile-long section downstream of the NESPS and upstream of Meldrum is owned by the City of Detroit, leased to the Great Lakes Water Authority (GLWA), and is a Customer Connect asset that only serves the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD). This section of the NI-EA ranges in diameter from approximately 13.5 feet and 17.5 feet. For about 110 feet immediately downstream of the NESPS discharge chamber, an EcoCast epoxy coating product manufactured by Inland Waters was installed to inhibit corrosion and deterioration of the concrete sewer. It was determined during a recent inspection that the epoxy coating has delaminated.

In response, the OMIDDD is commissioning Jacobs to evaluate the cause of the delamination and differential pressure and hydrogen sulfide conditions primarily downstream of the NESPS, especially in PCI-4.

NI-EA Phase 1 Scope of Work

The purpose of this NI-EA Phase 1 study is to quantify vapor-phase hydrogen sulfide concentrations and sewer pressures at four manholes near the NESPS. Manholes downstream of the NESPS will be targeted.

The following tasks will be completed:

1. Install four (4) Acrulog hydrogen sulfide loggers and four (4) Acrulog differential pressure loggers in four manhole structures in PCI-4 and PCI-5 and near the NESPS for a two-week period.
2. At the end of the sampling period, download the data and prepare and summarize a brief technical memorandum.
3. Review plans, specifications, photos, and other documentation regarding the application, curing, and service conditions of several epoxy coatings and admixtures in the NESPS discharge chamber and in PCI-4. Conclusions will be made related to the likelihood of sewer corrosion being the cause for – or a significant contributing factor to – the epoxy coating delamination.

It is also assumed that traffic control will not be necessary.

Schedule

The work described herein will be completed over the course of 8 weeks. The schedule is as follows:

- Week 1 (March 8-12): Project preparation, including the collection of drawings and previous NESPS design reports.
- Week 2 (March 15-19): Continue project preparation and perform in-field site reconnaissance and logger installation.
- Week 3 (March 22-26): No field work anticipated. Loggers continue to collect data.
- Week 4 (March 29-April 2): Retrieve loggers; download, prepare and organize data. Write draft technical memorandum summarizing data, results, and conclusions.

- Week 5 (April 5-9) and Week 6 (12-16): Continue data review, and draft technical memorandum summarizing data, results, and conclusions. Deliver to OMIDDD for review.
- Week 7 (April 19-23) and Week 8 (April 26-30): Deliver final technical memorandum to OMIDDD. The draft TM will be issued for review no later than April 30, 2021.

The final TM will be issued once review comments are received by OMIDDD staff.

Proposed Engineering Fees

Attached is a breakdown of hours and expenses, by task according to the descriptions noted above, by key personnel for each task.

The total not-to-exceed budget for the scope of services for the NI-EA Phase 1 odor/corrosion study presented herein is \$30,000.00. This work will be billed on a time-and-materials basis per the terms and conditions of our agreement under Contract 5216. An invoice will be submitted at the end of the project.

Oakland-Macomb Interceptor Drain Drainage District
(OMIDDD) NI-EA Phase 1 Odor and Corrosion Study
Level-of-Effort and Fees Summary

Project Phase	Task No.	Task Description	Jason Matteo	Bill Desing	Steve Graziano	Dan Buonnadona	Drew Hansen	Maddy Fairley-Wax	Sandy Pepper	Total Labor Hours	Labor Charge by Task (Using 2.84 Multiplier)
			Project Manager	Senior Odor Control Technologist	Project Engineer	Corrosion/Coatings Specialist	Project Engineer	Project Engineer	Project Assistant		
			\$267	\$291	\$126	\$199	\$126	\$119	\$91		
1	1	Install Acrulog H2S and pressure differential monitors in PCI-4 and PCI-5 near NESPS	14	2	32	0	30	6	6	90	\$13,396
	2	Analyze Data and Prepare TM	2	1	2	0	8	0	0	13	\$2,083
	3	Evaluate Coatings at NESPS Discharge Chamber and PCI-4	6	14	10	7	16	0	3	56	\$10,613
		Phase 1 Total Labor	22	17	44	7	54	6	9	159	\$26,092
			Jacobs Equipment and Travel Costs:								\$3,900
			Total Fee for NI-EA Phase 1:								\$29,992

Agenda Item No. 8

Change Order

CHANGE ORDER NO. Ten

Oakland Macomb Interceptor Drain, Drainage District (OMIDDD)

For Construction of the Pump and Electrical Upgrades Project

Northeast Sewage Pumping Station (NESPS)

Located in the City of Detroit, Wayne County, Michigan

Authorization for:

CONST.

MANAGER: **Walsh Construction Co. II, LLC**

- 1.) Furnish Observation Port in Discharge Piping elbow for Sewage Pumps No. 1,2,5, and 6.; 2.) Provide concrete foundation for Security Guard Shelter; 3.) Provide two additional louver lintels in stairwell and corridor areas; 4.) Provide for Structural Steel and Parapet Wall changes on Electrical building exterior architectural walls; 5.) Provide detailed demolition work for the proposed entry door between the existing and proposed buildings; 6.) Install additional masonry support lintels at fan and window openings; 7.) Complete installation of domestic water service to the NESPS Project Field Office Complex; 8.) Replace Roof Access Hatch on main NESPS roof; 9.) Revise Overall Site Drainage and Grading Plan

Address:

3031 West Grand Blvd., Suite 640
Detroit, MI 48202

Change Order No. 10 Date: April 01, 2021

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	LOCATION: <i>Northeast Sewage Pumping Station (NESPS), located in the City of Detroit, Wayne County, Michigan</i>					
10-1	DESCRIPTION (Extra/ Add): Furnish 12" dia. flanged observation ports in the 48" x 78" eccentric 90 deg. elbows for Sewage Pumps Nos. 1,2,5, and 6. (Work is to be performed as a collateral accessory to main discharge piping factory fabrication.)	LS	1 ea.	\$4,031.19	\$4,031.19	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 10

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
10-2	<p><u>REASON:</u></p> <p>The existing embedded discharge piping for the above indicated pumps is to be field retrofitted with a protective Quakewrap liner system that carries a 10 year product and installation warranty. This warranty contains a two year condition assessment provision that requires a visual (remote camera) inspection of the liner. The proposed flanged outlets will provide a safe and convenient means to accommodate this inspection, and will also offer other opportunities for system maintenance in the future.</p> <p>Attachment: Walsh Construction PCI No. 9700040</p>	LS	1 ea.	\$6,977.37	\$6,977.37	-0-
	<p><u>DESCRIPTION (Extra/Add):</u></p> <p>Provide a concrete foundation slab with electrical power connections for the NESPS State Fair Ave. Security Agent Entrance Gate Shelter.</p> <p><u>REASON:</u></p> <p>The Construction Manager is furnishing and installing a pre-fabricated "Security Guard Shelter" (lighted and heated) at the NESPS State Fair Ave. site entrance for use by the gate attendant during regular working hours. This item of extra work will provide a permanent concrete slab with underground electrical power supply to the shelter that will allow the shelter to remain in place permanently for this as well as future project use.</p> <p>Attachment: Walsh Construction PCI No. 970020</p>					
10-3	<p><u>DESCRIPTION (Extra/Add):</u></p> <p>Provide additional louver opening lintels (two total) in stairwell and corridor areas of proposed Electrical Building</p>	LS	1 ea.	\$2,500.99	\$2,500.99	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 10

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	<p><u>REASON:</u></p> <p>A review of the final Architectural Drawings by the City of Detroit Building Dept, resulted in the need for two louvers to satisfy ventilation requirements in these limited space areas. This item will provide lintel support for these wall openings.</p> <p>Attachment: Walsh Construction PCI No. 970037</p>					
10-4	<p><u>DESCRIPTION (CHANGE/ ADD):</u></p> <p>Provide structural steel modifications to address Overhead Door and exterior parapet height changes for the proposed Electrical Building architectural details.</p> <p><u>REASON:</u></p> <p>Modifications were required in the structural steel framing details to resolve dimensional interferences for the overhead door coil hood that became apparent with door shop drawing submittals. In addition, the parapet height of the Electrical Building at the roof level was raised to provide a full 42" height for fall protection reasons that also required steel framing adjustments.</p> <p>Attachment: Walsh Construction PCI No. 970029</p>	LS	1 ea.	\$28,488.13	\$28,488.13	-0-
10-5	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Provide concrete wall sawcut and demolition work for entry into the proposed Electrical Building.</p> <p><u>REASON:</u></p> <p>Demolition work on an existing masonry wall section in the NESPS for a proposed entry door revealed the presence of a "reinforced concrete knee-wall" that required specialized concrete</p>	LS	1 ea.	\$2,356.11	\$2,356.11	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 10

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	<p>sawcut work to limit the removal boundaries followed by hand demolition to complete the removal task.</p> <p>Attachment: Walsh Construction PCI No.970034</p>					
<u>10-6</u>	<p><u>DESCRIPTION (Extra/ Add):</u></p> <p>Provide fabricated steel angle iron lintels for cast stone sill support at Electrical Building window locations, and in addition angle iron lintels for wall openings at Exhaust Fans # 1, 2, and 3.</p> <p><u>REASON:</u></p> <p>The additional review of architectural shop drawing details for the above indicated Electrical Building wall openings indicated that lintel support for the adjacent masonry construction (cast stone or brick/CMU) was necessary. This additional work includes shop fabrication and hot-dip galvanizing of the lintels by the structural steel supplier and installation of the lintels by the masonry subcontractor.</p> <p>Attachment: Walsh Construction PCI Nos. 970032 and 970039</p>	LS	1 ea.	\$1,831.59	\$1,831.59	-0-
<u>10-7</u>	<p><u>DESCRIPTION (EXTRA/ ADD):</u></p> <p>Furnish and install a water meter template, backflow preventer, insulated meter enclosure, heat trace and related tasks to provide domestic water service to the project "Trailer City" field office complex.</p> <p><u>REASON:</u></p> <p>The NESPS field office complex was installed previously, but awaited final approvals and inspection fees by the City of Detroit authority overseeing water service hookups. This additional work will service the five (5) trailer units on site, and will be permanently available for use on other future NESPS projects.</p>	LS	1 ea.	\$15,486.03	\$15,486.03	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 10

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	Attachment: Walsh Construction PCI No. 970033					
10-8	<p><u>DESCRIPTION (Extra/Add):</u></p> <p>Furnish and Install a new pre-fabricated Roof Access hatch and safety railing on the existing NESPS main roof.</p> <p><u>REASON:</u></p> <p>The existing NESPS building is planned for a complete roof removal and replacement task. While the existing access hatch was originally planned to remain, subsequent evaluations have indicated that a replacement unit with updated safety features represented a valuable long term safety and maintenance improvement. In addition, a perimeter hand rail system surrounding the replacement hatch will be provided that corrects a serious existing fall exposure hazard.</p> <p>Attachment: Walsh Construction PCI No. 970036</p>	LS	1 ea.	\$5,524.71	\$5,524.71	-0-
10-9	<p><u>DESCRIPTION: (Change/ Extra):</u></p> <p>Revise the overall NESPS Site Drainage plan to introduce construction of a new Detention Basin, Bio-Swale drainage, storm sewer collection system updates, and concrete pavement design updates.</p> <p><u>REASON:</u></p> <p>The final site plan review by the City of Detroit regulatory agencies determined that the NESPS site now requires compliance with updated current regulations for stormwater management that are environmentally more sensitive and employ best practice standards for addressing storm water runoff, collection, and final introduction into the receiving systems. This review also incorporated impacts in the site drainage plan that were the result of other NESPS improvements.</p>	LS	1 ea.	\$326,597.56	\$326,597.56	-0-

OMID DD NESPS; Pump & Electrical Upgrades Project; C.O. # 10

No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
	<p>The proposed site drainage plan will create an earthen detention pond, a Bio-Swale drainage collection system, and also includes re-designs to the site grading, drainage structures, and surrounding pavement details.</p> <p align="center">*****</p> <p>END OF CHANGE ORDER # TEN ITEMS</p>					
					Amount Increase	Amount Decrease
				Totals	\$393,793.68	-0-
				Net Changes (Increase)	\$393,793.68	

OMID DD NESPS: Pump & Electrical Upgrades Project; C.O. # 10

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

Date:

4-14-21

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

Date:

4/14/2021

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

Date:

4/15/21

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

Date:

4/14/2021

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

Date:

4/15/2021

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


Date:

April 16, 2021

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

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

Accepted by:

DocuSigned by:

5B8F73D8AD9D445

Date

Apr-12-2021 | 10:00 AM CDT

Title Vice President

of:

Walsh Construction Co. II, Inc.

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

This Change Order No. 10 was approved by the Drainage Board on:

Date:

Agenda Item No. 9

Construction Estimates

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

Regular Construction Estimate No. Six

Page One of Two

March 01, 2021 through March 31, 2021

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


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

Orig. GMP amount for Pump & Elec. Upgrades Project, not including CS-9 and Pre-Const. Balance	\$44,107,745.18
Expended Pre-Construction Phase Amount	(\$1,174,363.30)
Unused Pre-Construction Phase Budget	(\$70,196.70)
CS-9 Budget from GMP	(\$3,251,117.72)
NESPS Pump & Elec. Upgrades Original Contract Budget	\$39,612,067.46
Change Orders, This Estimate: None	\$0.00
Previous Change Orders: (C.O. # 7 , 8 & 9)	\$309,135.27
Unused Pre-Construction Phase Budget	\$70,196.70
Adjusted Construction Contract Amount:	\$39,983,470.27
Sub-Total To Date: (CS-9 Costs are Not included on this Estimate)	\$6,209,511.16
Less Deductions:	None
Gross Estimate: (Work in Place) Complete = 15.5%	\$6,209,511.16
Less Amount Reserved (10%)	\$620,951.12
Total Amount Allowed To Date:	\$5,588,560.04
Less Previous Estimates:	\$4,820,460.45
Current Payment Due	\$768,099.59
Reserve Payment to Contractor: None	\$0.00
Balance to Finish: \$33,773,959.11	Accounting Auditor:
Amount To Be Reserved (From Above)	\$620,951.12
Less Previous Transfers To Reserve (N/I C-9 Reserve)	\$535,606.72
Amount of Current Transfer	\$85,344.40


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

Regular Construction Estimate No. Six
Page Two of Two

03/01/ 2021 through 03/31/ 2021

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

Date: 4-9-2021

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

Date: 4/9/2021

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

Date: _____

Recommended by: Stephen Downing
Stephen Downing; Macomb County OPWC

Date: 4/12/2021

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

Date: _____

Regular Construction Estimate No. 6 (March, 2021)

Approved By Board On: _____

OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE BOARD
For Construction of the Control Structure 9 Gate Installation
Located in the City of Warren, Macomb County, Michigan
Project ID 1-3308

Regular Construction Estimate No. 4 (CS-9 Gate Installation)

March 01, 2021 through March 31, 2021

Department No.: 6010101
Fund No.: 84917
Project No.: 514263

Account No.: 730352
Program No.: 149015
Activity: FAC

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

Vendor # 23191

LI 43331; exp. 12/16/22

Date of Contract:

Dec. 16, 2019

Final Completion Date:

July 28, 2023

Contract No. 5977

Original Construction Contract Amount: (CS-9 Gate Gate Installation) \$3,251,117.72

Previous Change Orders:C.O. # 1 and 2 \$7,929.16

Change Orders This Estimate: \$0.00

Total Net Change Orders: \$7,929.16

Adjusted Contract Amount: \$3,259,046.88

Sub-Total To Date: (CS-9 Charges only are included on this Estimate) \$569,717.01

Less Deductions: None

Gross Estimate: (Work in Place) 17 % Complete \$569,717.01

Less Amount Reserved (10%) \$56,971.70

Total Amount Allowed To Date: \$512,745.31

Less Previous Estimates: Paid under NESPS Pump-Elec. Upgrade App # 5 \$347,922.48

Net Payment Request To Be Paid To Contractor: \$164,822.83

Reserve Payment to Contractor: \$0.00

Balance to Finish: \$ 2,872,466.35 Accounting Auditor:

Amount to be Reserved from Above \$56,971.70

Less Previous Transfers To Reserve: \$38,658.05

Amount of Current Transfer \$18,313.65

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

Date: 4-9-21

Recommended by: 
Saju Sachidanandan, P. E.

Date: April 09, 2021

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

Date: 4/13/21

Recommended by: 
Stephen Downing; Macomb County OPWC

Date: 4/12/2021

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

Date: 4/16/2021

Regular Construction Estimate No. 4 (CS-9 Gate Installation)

Approved By Board On: _____

OAKLAND COUNTY INTERCEPTOR DRAIN DRAINAGE BOARD
OMID Localized Rehabilitation & Spot Repairs PCI-5, 6, 7, 8, 9, 10A/B & 11A
Various Cities throughout Macomb County, Michigan

Regular Construction Estimate No. 3 ✓

2/22/2021 to 3/31/2021 ✓

Department No.:	6010101	Account No.:	730373
Fund No.:	82912	Program No.:	149662
Project No.:	1-3015	Activity:	FAC

Contractor:
 Doetsch Environmental Services
 21221 Mullin Ave
 Warren, MI 48089

Contract No. : 5928
 Date of Contract: July 8, 2020
 Completion Date: January 1, 2021
 Extended to: July 24, 2021

Original Contract Amount: \$1,352,801.00

Previous Change Order: C.O. # 1, # 2 & # 3 \$236,265.00

Change Orders This Estimate:

Total Net Change Orders: \$236,265.00

Adjusted Contract Amount: \$1,589,066.00 ✓

Subtotal To Date: (Sheet 2 of 2 Column 7) \$1,264,344.70

Less Deductions to Date: (Sheet 2 of 2 Column 7) \$0.00

Gross Estimate: (Work in Place) 79.57% \$1,264,344.70

Less Amount Reserved: (10% of 1/2 Adjusted Contract Amount) \$79,453.30

Total Amount Allowed To Date: \$1,184,891.40

Less Previous Estimates: \$716,127.20 ✓

Net Payment Request To Be Paid To Contractor: \$468,764.20

Reserve Payment to Contractor \$0.00

Balance of Contract To Date ✓ \$324,721.30 Accounting Auditor: *JB 4/7/21*

Amount To Be Reserved (From Above) \$79,453.30

Less Previous Transfers To Reserve: \$79,453.30

Amount of Current Transfer: \$0.00

Prepared by: *Evangelos Bantios*
 Evangelos Bantios, P.E. - Oakland County WRC

Date: 4/7/2021

Recommended by: *Joel Schanne*
 Joel Schanne, P.E. - NTH Consultants, Ltd.

Date: 4/7/2021

Recommended by: *Stephen Downing*
 Stephen Downing - Const. & Maint. Manager, MCOPWC

Date: 4/7/2021

Approved by: *Sid Lockhart*
 Sid Lockhart, P.E. - Special Project Manager, OCWRC

Date: 4/7/2021

OAKLAND COUNTY INTERCEPTOR DRAIN DRAINAGE BOARD
OMID Localized Rehabilitation & Spot Repairs PCI-5, 6, 7, 8, 9, 10A/B & 11A
Various Cities throughout Macomb County, Michigan

Regular Construction Estimate No. 3		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Contract Item	Bid Quantity	Unit	Unit Price	Quantity This Payment	Total Quantity Previous Estimate	Total Quantity to Date	Total Amount to Date	Total Amount This Payment
1	Mobilization	1	LS	\$20,000.00		1.0	1.0	\$20,000.00	\$0.00
2	Estimated Permit Fees	1	LS	\$20,000.00	0.0	0.0	0.0	\$0.00	\$0.00
3	Pre/post construction video survey	1	LS	\$20,000.00		0.0	0.0	\$0.00	\$0.00
4	Coordination of work with other OMID/MID Contractors	1	LS	\$1.00		0.0	0.0	\$0.00	\$0.00
5	Mobilization to each grouting and/or repair site (PCI-5, 6, 7, & 8)	22	EA	\$7,500.00		17.0	17.0	\$127,500.00	\$0.00
6	Site Resotration (PCI-5, 6, 7, & 8)	1	LS	\$5,000.00		0.0	0.0	\$0.00	\$0.00
7	Traffic Control (PCI-5, 6, 7 & 8)	1	LS	\$5,000.00		0.0	0.0	\$0.00	\$0.00
8	Sealing of leaks in manholes (PCI-5, 6, 7, & 8)	165	GAL	\$500.00		80.1	80.1	\$40,050.00	\$0.00
9	Sealing of leaks in Interceptor (PCI-5, 6, 7, & 8)	200	GAL	\$500.00		25.0	25.0	\$12,500.00	\$0.00
10	Allowance - Engineer directed chemical & cementitious grouting in interceptor & manholes (PCI-5, 6, 7, & 8)	1	LS	\$150,000.00		0.0	0.0	\$0.00	\$0.00
11	Core hole plug patching (PCI-5, 6, 7, & 8)	29	EA	\$1,500.00	3.0	33.0	36.0	\$54,000.00	\$4,500.00
12	Deep concrete repair, manhole repair per Detail #4 (PCI-5, 6, 7, & 8)	2	EA	\$8,900.00		2.0	2.0	\$17,800.00	\$0.00
13	Mobilization to each grouting and/or repair site (PCI9, 10A/B, & 11A)	19	EA	\$12,000.00	8.0	11.0	19.0	\$228,000.00	\$96,000.00
14	Site Restoration (PCI9, 10A/B, & 11A)	1	LS	\$5,000.00		0.0	0.0	\$0.00	\$0.00
15	Traffic Control (PCI9, 10A/B, & 11A)	1	LS	\$7,500.00	1.0	0.0	1.0	\$7,500.00	\$7,500.00
16	Sealing of leaks in manholes (PCI9, 10A/B, & 11A)	35	GAL	\$500.00		0.0	0.0	\$0.00	\$0.00
17	Sealing of leaks in Interceptor (PCI9, 10A/B, & 11A)	320	GAL	\$500.00		0.0	0.0	\$0.00	\$0.00
18	Allowance - Engineer directed chemical & cementitious grouting in interceptor & manholes (PCI9, 10A/B, & 11A)	1	LS	\$150,000.00		0.0	0.0	\$0.00	\$0.00
19	Deep concrete repair, Detail #3 and manhole repair per Detail #4	5	EA	\$10,000.00	6.0	1.0	7.0	\$70,000.00	\$60,000.00
20	PCI-10B deep repair including surface preparation and anchors (Location #55, Detail #5)	13	SFT	\$2,000.00		18.3	18.3	\$36,600.00	\$0.00
21	Engineer directed localized steel reinforcement replacement	50	LB	\$900.00		0.0	0.0	\$0.00	\$0.00
22	Removal and disposal of sludge, sediments & debris in interceptor	35	TON	\$1,000.00		0.0	0.0	\$0.00	\$0.00

Change Orders:

1A-1	Fab and setup at NESPS	1	LS	\$26,440.00		1.0	1.0	\$26,440.00	\$0.00
1A-2	Cleaning of wet well at NESPS	15	DAILY	\$7,725.00	8.0	24.5	32.5	\$251,062.50	\$61,800.00
1A-3	Disposal of material from NESPS	70	TON	\$950.00	217.9	0.0	217.9	\$207,005.00	\$207,005.00
1A-4	Daily bulkhead movement	15	DAILY	\$950.00	8.0	7.0	15.0	\$14,250.00	\$7,600.00
1A-5	Contingency	1	LS	\$7,440.00		0.0	0.0	\$0.00	\$0.00
1C-1	Emergency CCTV Inspection of PCI-10B at RC-S-2	1	LS	\$4,610.00		1.0	1.0	\$4,610.00	\$0.00
2C	Sealing of leaks in manholes, acrylamide (PCI-5, 6, 7, & 8)	5,200	GAL	\$20.00		3,481.3	3481.3	\$69,625.00	\$0.00
2D	Sealing of leaks in interceptor, acrylamide (PCI-5, 6, 7 & 8)	2,000	GAL	\$20.00		255.05	255.1	\$5,101.00	\$0.00
3C	Sealing of leaks in manholes, acrylamide (PCI-9, 10A/B & 11A)	5,200	GAL	\$20.00	256.43	459.3	715.7	\$14,314.80	\$5,128.60
3D	Sealing of leaks in interceptor, acrylamide (PCI-9, 10A/B & 11A)	2,000	GAL	\$20.00	166.53	1,727.8	1894.3	\$37,886.40	\$3,330.60
3E	Removal of manhole steps and platforms	1	LS	\$28,600.00	15,900.00	4,200.0	20100.0	\$20,100.00	\$15,900.00

Stored Material:

						0.0	0.0	\$0.00	\$0.00

Deductions:

						0.0	0.0	\$0.00	\$0.00

Total Amount to Date	\$613,950.00
Total Amount This Estimate	\$168,000.00
Change Orders to Date	\$650,394.70
Change Orders This Estimate	\$300,764.20
Stored Materials to Date	\$0.00
Stored Materials This Estimate	\$0.00
Subtotal to Date	\$1,264,344.70
Subtotal This Estimate	\$0.00
Deductions to Date	\$0.00
Deductions This Estimate	\$0.00
Payment This Estimate	\$468,764.20
Less Transfer to Reserve	\$0.00
Net Payment	\$468,764.20

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

Regular Construction Estimate No. 1

Project Inception through 03/31/21

Department No.: 6010101
Fund No.: 84917
Project No.: 100000003308

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

Contractor:
Marra Services, Inc.
700 E. 73 rd. Street
Cleveland, OH 44103

Vendor #

Date of Contract: January 21, 2021
Final Completion Date: September 8, 2022

Original Construction Contract Amount	\$14,732,510.00
Previous Change Orders:	\$0.00
Change Orders This Estimate: (None)	\$0.00
Total Net Change Orders:	\$0.00
Adjusted Contract Amount:	\$14,732,510.00
Sub-Total To Date	\$254,887.00
Less Deductions: None	\$0.00
Gross Estimate: (Work in Place) 1.8 % Complete	\$254,887.00
Less Amount Reserved (10%)	\$25,488.70
Total Amount Allowed To Date:	\$229,398.30
Less Previous Estimates	\$0.00
Net Payment Request To Be Paid To Contractor:	\$229,398.30
Reserve Payment to Contractor:	\$0.00
Balance to Finish: \$ 14,477,623.00	Accounting Auditor:
Amount to be Reserved from Above	\$25,488.70
Less Previous Transfers To Reserve:	\$0.00
Amount of Current Transfer	\$25,488.70

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

Date: 4-8-21

Recommended by: Saju Sachi / AGA
Saju Sachidanandan, P. E.

Date: 4/14/2021

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

Date: 4/15/21

Recommended by: Stephen Downing
Stephen Downing; Macomb County OPWC

Date: 4/14/2021

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

Date: 4/15/2021

Regular Construction Estimate No. 1

Approved By Board On: _____

Agenda Item No. 10

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

Oakland Macomb Interceptor Drain (OMID) Repairs

Project Progress Update

Prepared by:

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

April 21, 2021 OMIDDD Board Meeting

The following provides a status update as of the writing of this report (April 12, 2021) for the work completed for the Oakland-Macomb Interceptor Drain Repair Program (SRF Segments 1-4; Contract 7 PCI-4 repairs; Maintenance Repairs in PCI-5 through PCI-11A; Control Structure Modifications; NIEA Repairs; NESPS Upgrades; Odor/ Corrosion Control System, and other related work):

SRF Segment 1 Status:

Contracts 1&2 – Complete

System-wide Odor/Corrosion Study (No Contract Number) – Ongoing, to be completed in April 2021:

Engineering Consultant: Jacobs

Project Budget Summary (including EWO No. 2):

- | | |
|--|--------------|
| • Adjusted Project Budget (including Fan Testing Allowance of \$60,000): | \$531,447.00 |
| • Total Spent (through Feb. 2021): | \$530,648.07 |
| • Remaining Budget (through Feb. 2021): | \$798.93 |

Milestone Schedule Summary:

- Completed additional analyses and other work elements requested in EWO No. 2.

Status of Major Project Tasks:

- Finalizing study report, including additional requested analyses; see below, pending findings at ST-S-3 metering site. Updated draft report to be presented in April 2021 Drain 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

April 21, 2021 OMIDDD Board Meeting

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.

Recent manned inspections of the Gatehouse steel pipe discharge piping system revealed generalized coating failure over large portions of the interior surface. The interior Tnemec coating has substantially delaminated from the steel substrate below in most visible areas of the piping. The installing Contractor, the pipe/coating fabricator, and the paint manufacturer have been notified and further investigations are underway as to the cause. The project warranties have now expired however, and as such, the Project Owners and Engineering Team are seeking options for resolution of this condition. The Segment 2, Contract 3 (Base Contract and Emergency Gatehouse Repairs) remains open pending resolution of this issue.



*West manifold Riser, Tnemec Coating
Deterioration*



West Manifold Close-up of Pealed Coating

SRF Segment 3 Status:

Contract 4: Complete

SRF Segment 4 Status:

Contract 5A/5B – Complete

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

Contract 6 – Complete

April 21, 2021 OMIDDD Board Meeting

Contract 7 (NIEA 110 feet of Emergency Rehab) – Complete, although deterioration recently noted (see NIEA Contract 1 Summary)

**NESPS Odor/Corrosion Mitigation Sys (No Segment or Contract No.)
Construction Completed, Post-Construction Services Ongoing:**

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

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. 9): | \$4,192,686.74 |
| • CSM Total Earned, Less Retainage, through 12/31/2020 (Pay App No.16): | \$4,145,042.00 |
| • CSM Balance to Finish w/ Retainage (PA No. 16, work through 12/31/2020): | \$47,644.74 |
| • Jacobs Budget (Design and CA/RPR, per EWO No. 3): | \$1,272,470.46 |
| • Remaining Jacobs Budget (through Mar. 2021): | \$79,768.43 |

Milestone Schedule Summary:

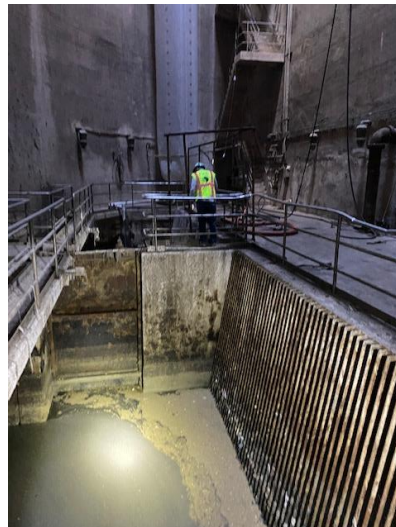
- Notice-to-Proceed letter to CSM dated August 1, 2019.
- Interim Substantial Completion, per Contract Amendment, was April 18, 2020, with actual Final Completion date of December 23, 2020.

Status of Major Project Tasks:

- All major work is complete, Testing completed, and facility is in normal operating mode. Warranty issues with a 60-inch fabric duct in the wet well are being addressed by the Contractor.



*West side of Wet Well with Fabric
Duct in Background*



*East side of Wet Well with Fabric
Duct in Background*

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NESPS & OMID Maintenance & Repairs Status:

Amt Invoiced: \$199,701 thru March out of current \$353,000 ASI engineering budget; Does not include Metco budget for ongoing flow control, maintenance, and coordination.

Schedule Status: Ongoing

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

- Plan to energize OMID Pump 4 in event of total power loss is complete; A demonstration of the portable generator was completed previously and start of work is pending.
- Advanced emergency plan document to include pumping details and traffic control from pump out locations is preliminarily complete; awaiting completion of manhole and electrical modifications to finalize the document.
- Manhole modifications for step removal completed at 6 of 7 locations through April 9, 2021.



Manhole steps removed at Location #2

Additional work being performed under Metco Maintenance Contract for NESPS:

- Wet well cleaning is complete (see photos below). Significant ragging within sediment accumulations delayed progress. Deposits accumulated in both wells within about a week after cleaning. In-sewer investigation was not able to detect the source of this material and sampling indicates that it is made up primarily of road debris (including asphalt pieces). AEW to resume monthly wet well sediment measurements, to monitor sediment accumulation in wet wells and debris on screens.
- Mechanical and Electrical corrective/preventative maintenance schedules continue to proceed without any problem.
- DTE Metering potential transformer overheated on 3-3-21, requiring replacement by DTE service technician. A second incident on 3-23-21 prompted further investigation, which identified that Transformer #3 had failed. This Transformer was taken out of service and efforts to determine extent/cost of repair or replacement are underway.
- Future Sanitary Pump #3 Suction Knife Gate ready for installation. Area prep complete. Pre-task/safety discussions in progress.

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Overall Station Performance Report:

- Sanitary Pumps #1, #2, #4, #5, and #6 are available for duty. (640 CFS Capacity). Sanitary Pump #1 is reserved for emergency use only and remains under electrical investigation following an earlier incident involving the breaker.
- Inspection for the 84" suction knife gate for Sanitary Pumps #1 and #5 took place in March.
- Knife gate inspections revealed #5 suction gate is inoperable. HESCO determined a hydraulic pump failure on original equipment that cannot be replaced/repared. The current plan is to move Gate #1 HPU once demo is complete.
- Coordination between GLWA, MID, NESPS, Pump/Electrical Upgrade Project has not affected station operations nor hindered performance or abilities to meet demands.
- Sanitary Pump #5 damaged lower pump bearing refurbished and re-inventoried as spare.
- March monthly pump mechanical preventative maintenance completed.
- Service Elevator rehabilitation complete. 30-90 day temporary permit granted as punch list items are worked out. The service elevator emergency phone is now working and connected to Detroit Elevator 24-hr hotline.
- 25 Ton Crane Modernization (Controls Upgrade) Inspection completed Dec 10th; report on file. Scope and budget for final repairs being negotiated.
- Knox Box emergency entry safety equipment received and ready for installation. (Detroit Fire Department approved and regulated).
- NEXGEN asset management project progressing well. Asset inventory and data collection progressing well.
- No odor complaints received since Oct 8th 2020.
- Bio Filter performance normal. Daily readings taken and recorded. Weekly data spreadsheet forwarded to Bio Air for review and discussion.
- Overall General Housekeeping tasks in order.

Control Structures Performance Report:

- Daily flow control operations support MID/OMID/GLWA repair and improvement projects. All LOTO protocols implemented. No issues to report.
- CS-5, CS-6, CS-7, and CS-8 in stand-by mode and ready for service.
- System-wide communications are good.
- Routine daily rounds and inspection made no other maintenance issues to report at this time.

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Wet Well material recently sampled appears to be asphalt roadway debris



Wet well Sampling of the South Well on March 30, 2021

OMID Control Structure Upgrades Status:

Amt Invoiced: \$69,772 Engineering services to date; Total design and construction budget currently established as \$500,000 (including contingencies and admin/legal).

Schedule Status: Construction of cover mods substantially complete 8/14/20

- Hatch and Access improvements complete, CSM Contract closed-out.
- CS-5, CS-6, CS-7, and CS-8 mechanical repairs have been completed by HESCO and control structures are in stand-by mode, ready for service.
- HESCO has developed an inventory list of critical spare parts, and is evaluating long term operability, to estimate future life and predict schedule for potential future upgrades. OMID approved spare parts are beginning to arrive.
- There are currently no issues with system-wide communications after recent MCE upgrades and PLC implementation.
- Verification of the new gate-release logic will be conducted by ASI after several storage events are conducted. ASI will provide the confirmation. Storage events expected in March and April.

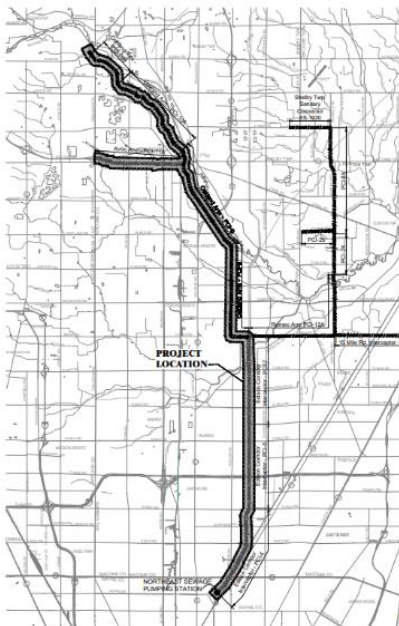
April 21, 2021 OMIDDD Board Meeting

OMID System 3-Year Spot Repairs and 6-Year Inspection Status:

Amt Invoiced: Total design and construction budget for 3-Year repairs currently is established as \$1,352,801 (including contingencies and admin/legal).

Schedule and Progress Status:

- Doestch Environmental was awarded the 3-Year repairs contract at the November 2019 Board Meeting; work delayed due to Covid and Contractor crew availability issues. Field work complete 4/7/21.
- The 6-Year inspection is authorized; projected to commence April 19, 2021.



**OMID Spot Repairs Project
Location**



**Running
infiltration prior
to chemical
grouting in PCI-11**



**Spalling repairs
in PCI-11**

April 21, 2021 OMIDDD Board Meeting

NIEA Repairs (Study and Design/Construction)

Amt Invoiced: \$1,898,009 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: Contract 1: Contractor mobilized and ready to start work.
Contract 2: 90% design work complete; expected to bid early June 2021.

Contract 1 (PCI-4 Rehabilitation)

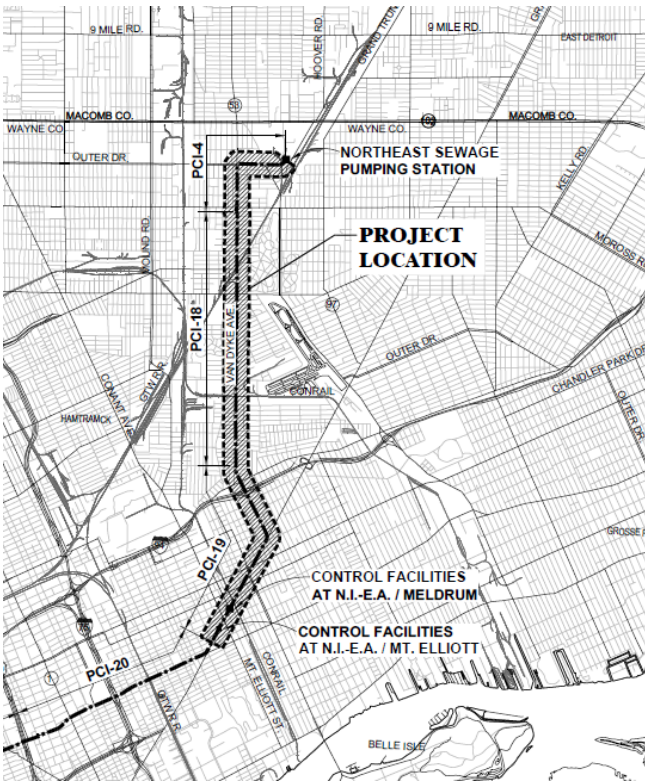
- Easement agreements with GLWA for a Contractor Laydown area and with FCA (Chrysler) for an independent State Fair Ave. entrance roadway corridor are finalized. Work has commenced on construction fencing and entrance roadway to the laydown area for the project.
- The Contractor has setup traffic control provisions at the Outer Drive Access shaft location, and probe drilling to physically locate the PCI-4 interceptor position has been completed.
- The Contractor is proceeding with schedule and product submittals, and the initial Weekly Progress briefing took place on Tuesday, March 2, 2021 with subsequent weekly meetings following.
- The "Notice to the Neighborhood" letter advising the adjacent community of the start of the construction was hand delivered to the nearby residential and commercial establishments.
- Ongoing discussions of options for repairing deteriorated upper 110 ft of PCI-4; re-lined only 3 years ago. Recent inspections determined material failure (not application issue); see photos. Working w/ material supplier (Milliken) to determine cause; working w/ C1 Contractor to cost lining options.

Contract 2 (PCI -18/19 Rehabilitation)

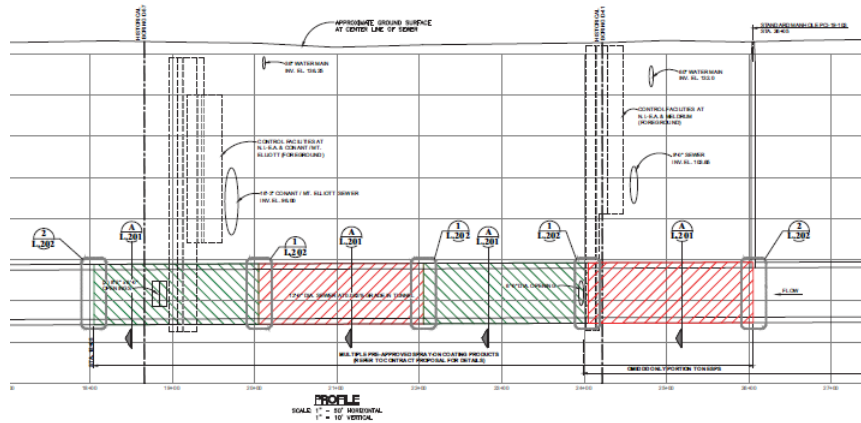
- Coordination meetings and discussions are ongoing regarding cost sharing of rehabilitation of common to all portions of the NI-EA and new control structures. GLWA is supportive of the general approach for the project.
- A draft design schedule has been issued for NI-EA OMID Contract No.2 PCI-18/19 rehabilitation project. Issued for Bid expected June 2, 2021.
- NI-EA OMID Contract No. 2 PCI-18 & 19 Rehabilitation design concept review set has been issued. A meeting is scheduled with GLWA to discuss concept.
- 90% design for PCI-18/19 rehabilitation project will be completed by 4/16/2021.
- The **draft** line item schedule and budget are summarized:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractor)	Estimated Delivery Date
2	Lining Study Final Report	\$126,744		10/30/2019
4	Basis of Design			9/30/2019
8	Final Design Issued for Bid	\$2,400,570		6/10/2020 (Contract 1) 6/2/2021* (Contract 2)
10	Contract Award and NTP			12/16/2020 and 1/04/2021 (Contract 1) 10/22/2021 and 11/10/2021 (Contract 2)
11	Final Completion of Construction	\$3,500,000	\$35,000,000	07/23/2022* (Contract 1) 05/30/2023* (Contract 2)

April 21, 2021 OMIDDD Board Meeting



NI-EA OMID Contracts 1 & 2 Project Location



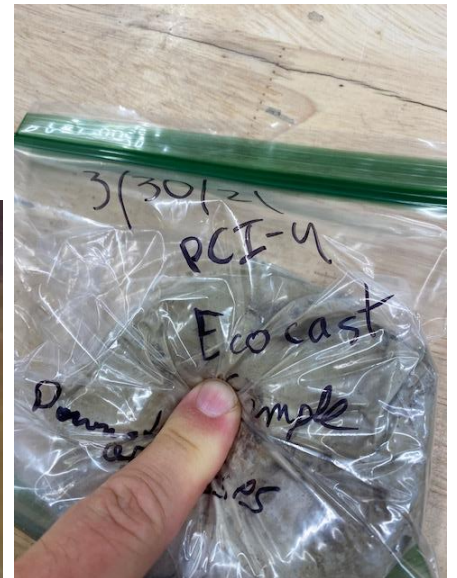
NI-EA PCI-19 lining sections (assuming 800' lining length)



Upper 110' of PCI-4 lining peeling and failing in Feb 2021



March 30 Inspection showed ½ -inch of surface soft and easily removed



Removed material soft and malleable

April 21, 2021 OMIDDD Board Meeting

NESPS Pump and Electrical Upgrades Project

Budget Status: \$1,280,139 billed out of current Design Budget of \$1,382,430; \$517,028 out of the current CCA Budget of \$2,443,262. Total design and construction budget currently established as \$43,299,889 including contingencies and admin/legal, through C.O. #7). The total amount invoiced to date as of March 31, 2021 is \$6,674,822.08 (including the Control Structure 9 Bulkhead Gate facility) representing 15.4% of the project adjusted contract value.

Schedule Status: On time.

The following Design Team Effort work is active:

- A review of alternative energy saving methods and pump sequence remains ongoing, incorporating GLWA SCC comments.
- Evaluated concepts for lining interior and exterior of discharge piping for Pumps 5, 6, and 2. Quake-wrap product selected as most cost effective.
- All permits received.

The following Construction Services work is active:

- Construction Phase services (RFI's, Submittals) are ongoing, and the engineering team is reviewing and responding.
- The Design team and Walsh working together to improve the sequence of construction, and manpower loaded schedule. As part of this, Walsh working on updated cost-loaded schedule.
- Final concrete for foundation walls and slab placed on March 5, 2021, and perimeter backfill work to existing grades has also been completed.
- Work for the internal mechanical and electrical equipment has commenced with shop drawing and prep work. First major mechanical item was installation of knife gate valve at Pump No. 3.
- Structural Steel erection for the Electrical Building will begin during the week of April 19, 2021 with metal decking installation to commence during the following week.
- Scheduling and preparations are being made to decommission Pump No. 1 and prepare the area for knife gate removal and replacement of the pump and motor.
- Construction of the 24kv underground conduit line for primary station power originating at the GLWA Water Treatment Plant is underway.
- The **draft** line item schedule and budget are summarized:

Work Item/ Milestone	Estimated Budget	Estimated Budget	Estimated Delivery Date
2 Final Basis of Design			5/31/2019
7 MDEQ Submittal (Part 41 Permit)			4/8/2020 (initial pkg)
8 90% Design Submittal			6/30/20
9 Final Package Development			8/14/2020
Subtotal - Design	\$1,519,275 (including		
10 Substantial Completion	\$2,500,000 (est.)	\$43,300,000 (est.)	3/24/2023
11 Final Completion			6/23/2023

April 21, 2021 OMIDDD Board Meeting



**NESPS Refurbishment
Project Location**



**NESPS Electrical Building progress in March,
2021**



Transformer bay progress in March, 2021



Installation of Knife Gate Valve 3 in March, 2021

April 21, 2021 OMIDDD Board Meeting

CS-9 Gate Installation

Budget Status:

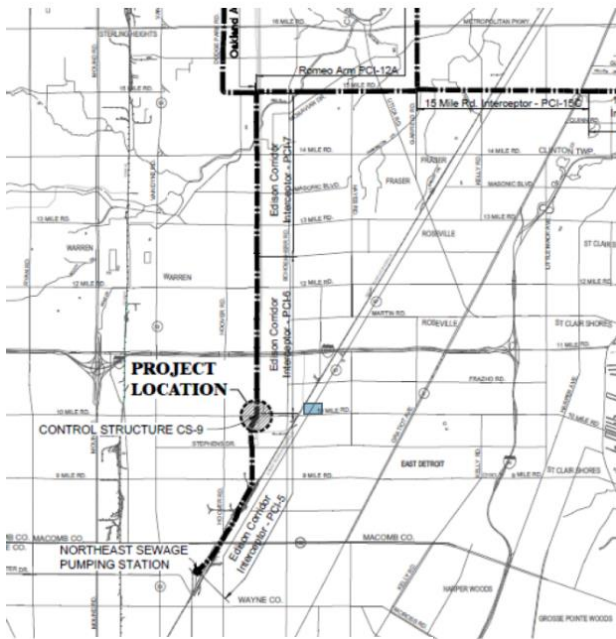
Total design and construction budget currently established as approximately \$3.2M (including contingencies and admin/legal).

Schedule Status:

Engineering/Design efforts complete; CMAR ongoing, on time.

The following work is active:

- Hydrogate Gate fabrication nearing completion and delivery.
- Work is completed on the underground electrical conduit installation including the foundations for the DTE Meter and switchgear panels. Shop fabricating of the stainless steel hydraulic lines is complete, and field installation within the Capture Shaft will begin during the week of April 19, 2021.



CS-9 Project location



Pouring slab for control cabinet at CS-9 on March 16th, 2021



CS-9 Hydraulic and electrical conduit placed late March, 2021

April 21, 2021 OMIDDD Board Meeting

Other

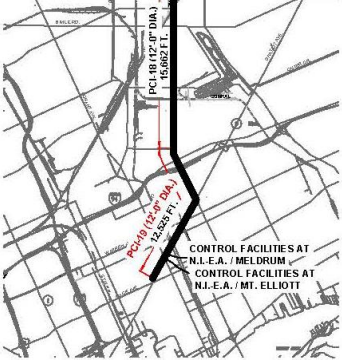
- No change since last month - - Met with EGLE to discuss continued use of existing and future gates for long term flow control and management in the OMID and NIEA systems. EGLE has no objections; OMID Team drafted a letter to formalize arrangement. Awaiting response.

Summary of OMID Design and Construction Status:

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

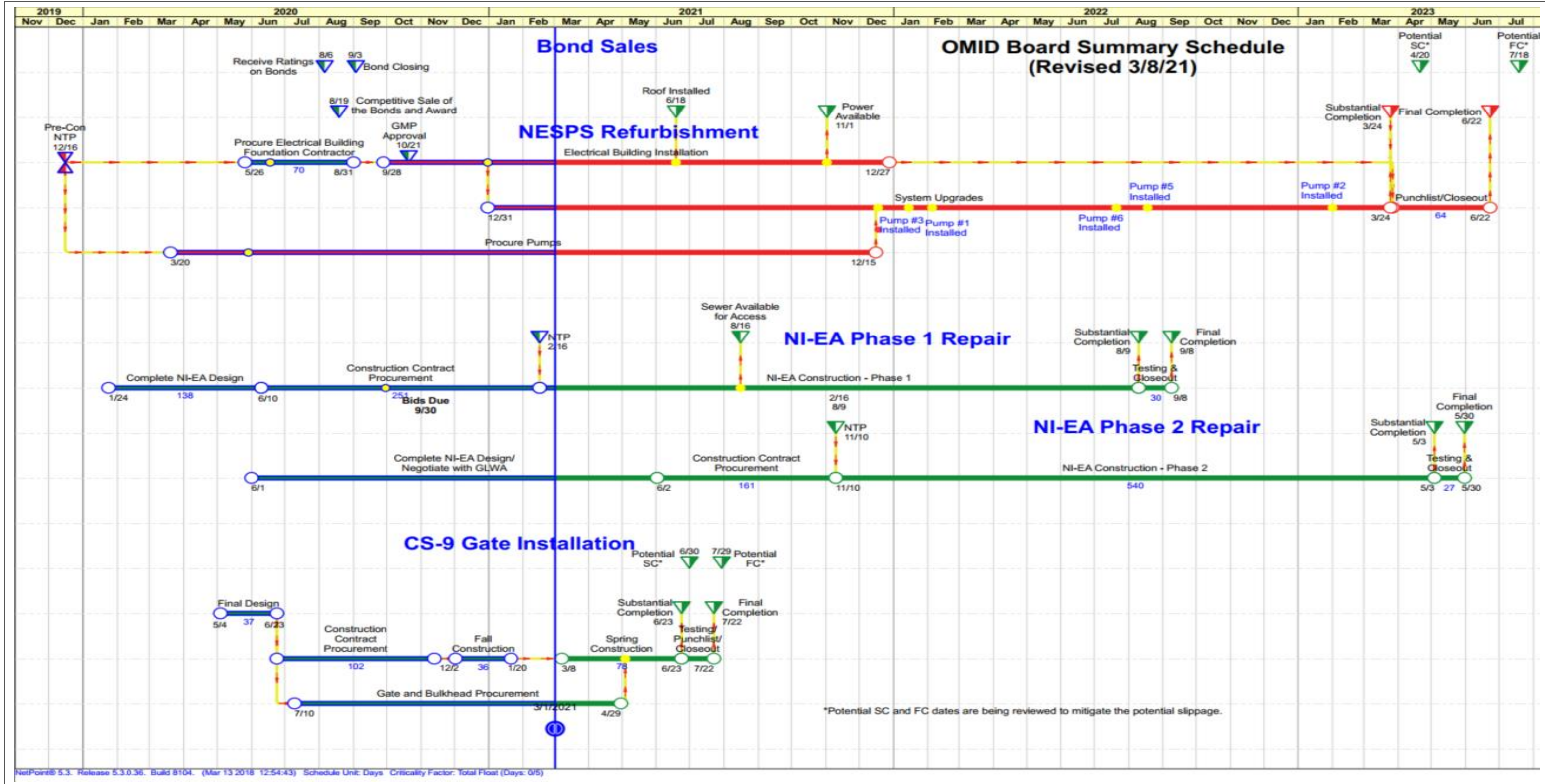
* In review, pending Coating Issues Resolution and Change Order and Memo of Understanding approvals

Work Currently in Design/Study/Engineering		
Description	Design Consultant	Status
System-wide Odor/Corrosion Study	Jacobs	Study ~99.9% Complete
NESPS & OMID Maintenance & Repairs	Metco	Engineering/Maintenance Ongoing
NIEA-OMIDDD Contract 2 (PCI-18/19)	NTH	Design ~90% Complete; pursuing cost sharing w/ GLWA
Emergency Pumping Plan	ASI/FKE	Design Complete; Field work ongoing



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

April 21, 2021 OMIDDD Board Meeting



OMID Project Schedule Summary

April 21, 2021 OMIDDD Board Meeting


MID/OMID Construction Schedule

[illegible]

Table updated on 4/1/2021. 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. - * Irrelevant

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

 Flow Control Required
 Flow Control May Be Required

Y = Required to store

N = Required to not store

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

ec - ● Irrelevant

requires 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. 11

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

YTD Trial Balance
Fund: 84915 Oakland Macomb InterceptorSeg4
As of Fiscal Period: Month 7, 2021

Run By: WRC_REPORTING
Run: 04/14/2021 at 12:13 PM
Scope: 84915 Oakland Macomb InterceptorSeg4

ACCOUNT		Oakland Macomb InterceptorSeg4 100000001913	OMI NESPS GATEHOUSE SEG4 100000002232	NESPS Odor Corrosion StdY Seg4 100000002708	YTD Balance Total Fund
100100	Cash - Operating	114,202.75	0.00	221.25	114,424.00
104100	Accrued Interest on Investment	42,416.22	0.00	0.00	42,416.22
	Revenues	105,749.64	12,556.58	(119,937.50)	(1,631.28)
697551	Issuance of Bonds	118,684.17	13,878.33	(132,562.50)	0.00
	Expenditures	30,637.65	2,017.76	123,371.86	156,027.27
	Special Items- Uses	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(411,690.43)	(28,452.67)	128,906.89	(311,236.21)
		(0.00)	(0.00)	0.00	0.00

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

Cash as of 04/14/2021		\$	114,424.00
Invoices/Reimbursements for Seg 4 on Current Agenda impacting Cash Balance			0.00
Invoices/Reimbursements for NESPS Gatehouse on Current Agenda impacting Cash Balance			0.00
Invoices/Reimbursements for NESPS NIEA-East Arm on Current Agenda impacting Cash Balance			0.00
Invoices/Reimbursements for NESPS Odor Corrosion Study on Current Agenda impacting Cash Balance			(37,212.72)
Total Net Cash Balance		\$	<u>77,211.28</u>

Water Resources Commissioner

PROJECT WORK IN PROGRESS

Oakland Macomb InterceptorSeg4

100000001913

(as of April 14, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730926 - Indirect Costs		0.00	63,879.05	
730940 - Insurance		0.00	67,871.13	
731115 - Licenses and Permits		0.00	320,000.00	
731521 - Public Services		0.00	14,235.58	
732165 - Workshops and Meeting		0.00	29.66	
771638 - Drain Equip Labor		0.00	4,607.71	
771639 - Drain Equipment		0.00	269.47	
Administration TOTALS				
	390,165.00	0.00	470,892.60	(\$80,727.60)
ENG - Engineering				
731346 - Personal Mileage		0.00	16,297.61	
731521 - Public Services		0.00	40,605.00	
771638 - Drain Equip Labor		3,877.92	776,844.81	
771639 - Drain Equipment		197.28	83,940.90	
Engineering TOTALS				
	484,153.00	4,075.20	917,688.32	(\$433,535.32)
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 April 14, 2021)

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	\$4,075.20	\$19,260,374.40	\$323,534.60
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$8,994.08	\$8,378,349.43	
615572-State Capital Grants	\$0.00	\$1,105,350.77	
655077-Accrued Interest Adjustments	\$127.10	\$42,416.22	
655385-Income from Investments	\$192.43	\$650,921.47	
697551-Issuance of Bonds	\$9,940.83	\$749,955.48	
697753-State Revolving Fund Loans	\$0.00	\$8,490,000.00	
TOTAL REVENUE	\$19,254.44	\$19,416,993.37	
REVENUE OVER/(UNDER) EXPENSES		\$156,618.97	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMI NESPS GATEHOUSE SEG4

100000002232

(as of April 14, 2021)

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

730926 - Indirect Costs	0.00	1,217.23	
771638 - Drain Equip Labor	0.00	53.43	

Administration TOTALS

9,472.00	0.00	1,270.66	\$8,201.34
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CONT - Contingency
Contingency TOTALS

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

771638 - Drain Equip Labor	0.00	13,790.23	
771639 - Drain Equipment	0.00	598.96	

Engineering TOTALS

59,699.00	0.00	14,389.19	\$45,309.81
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ENGCON - Engineering Consultant

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

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

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

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

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

Inspection TOTALS

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

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

6,000.00	0.00	1,456.00	\$4,544.00
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Project 100000002232 - OMI NESPS GATEHOUSE SEG4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$4,418,998.00	\$0.00	\$4,723,565.09	(\$304,567.09)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	(\$12,556.58)	\$2,422,431.70	
697551-Issuance of Bonds	(\$13,878.33)	\$2,301,133.39	
TOTAL REVENUE	(\$26,434.91)	\$4,723,565.09	
REVENUE OVER/(UNDER) EXPENSES		(\$0.00)	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion Stdy Seg4

100000002708

(as of April 14, 2021)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
ADM - Administration				
730926 - Indirect Costs		0.00	25,041.48	
730940 - Insurance		0.00	88,400.00	
Administration TOTALS	188,148.00	0.00	113,441.48	\$74,706.52
CONT - Contingency				
Contingency TOTALS	637,000.00	0.00	0.00	\$637,000.00
ENG - Engineering				
771638 - Drain Equip Labor		341.85	120,292.69	
771639 - Drain Equipment		8.97	4,524.88	
Engineering TOTALS	206,253.00	350.82	124,817.57	\$81,435.43
ENGCON - Engineering Consultant				
730373 - Contracted Services		0.00	1,250,780.11	
730639 - Engineering Services-Other		0.00	59,195.44	
Engineering Consultant TOTALS	1,073,000.00	0.00	1,309,975.55	(\$236,975.55)
FAC - Facility Acquisition				
730352 - Construction		0.00	662,863.90	
731472 - Project Construction and Impr		0.00	4,179,747.26	
Facility Acquisition TOTALS	4,600,000.00	0.00	4,842,611.16	(\$242,611.16)
INS - Inspection				
771638 - Drain Equip Labor		0.00	212,352.47	
771639 - Drain Equipment		0.00	32,443.08	
Inspection TOTALS	190,343.00	0.00	244,795.55	(\$54,452.55)
LEGAL - Legal and Financial				
731073 - Legal Services		0.00	1,744.00	
Legal and Financial TOTALS	15,000.00	0.00	1,744.00	\$13,256.00
ROW - Right of Way				
Right of Way TOTALS	46,000.00	0.00	0.00	\$46,000.00
STD - Standard Operation				
730352 - Construction		0.00	116,361.10	
730926 - Indirect Costs		0.00	3,729.80	
730940 - Insurance		0.00	139,930.93	
731906 - Testing Services		0.00	31,382.05	
771638 - Drain Equip Labor		0.00	4,613.57	
771639 - Drain Equipment		0.00	2,460.66	
Standard Operation TOTALS	38,010.00	0.00	298,478.11	(\$260,468.11)

SUR - Survey Crew

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS Odor Corrosion StdY Seg4

100000002708

(as of April 14, 2021)

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

Project 100000002708 - NESPS Odor Corrosion StdY Seg4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$7,004,000.00	\$350.82	\$6,935,863.42	\$68,136.58
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$3,562.50	\$3,247,173.54	
697551-Issuance of Bonds	\$3,937.50	\$3,688,911.13	
TOTAL REVENUE	\$7,500.00	\$6,936,084.67	
REVENUE OVER/(UNDER) EXPENSES		\$221.25	

YTD Trial Balance
Fund: 84917 Oakland Macomb InterceptorSeg5
As of Fiscal Period: Month 7, 2021

Run By: WRC_REPORTING
Run: 04/14/2021 at 12:14 PM
Scope: 84917 Oakland Macomb InterceptorSeg5

ACCOUNT		No Project	OMID Segment 5 100000003252	OMID NI-EA CONSTRUCTION 100000003308	NESPS MECH-ELEC CONSTRUCTION 100000003309	YTD Balance Total Fund
100100	Cash - Operating	0.00	73,450,388.67	865,520.35	2,399,198.46	76,715,107.48
104100	Accrued Interest on Investment	0.00	(19,369.10)	0.00	0.00	(19,369.10)
201210	Vouchers Payable AP Cont	0.00	0.00	0.00	(75,920.38)	(75,920.38)
	Revenues	402,211.79	1,829,464.47	(366,867.07)	(1,936,242.87)	(71,433.68)
697551	Issuance of Bonds	0.00	7,866,890.06	(1,253,132.93)	(6,613,757.13)	0.00
	Expenditures	0.00	0.00	754,479.65	6,226,721.92	6,981,201.57
	Special Items- Uses	0.00	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(402,211.79)	(83,127,374.10)	0.00	0.00	(83,529,585.89)
		0.00	0.00	0.00	0.00	0.00

Cash as of 04/14/2021 \$ 76,715,107.48

Invoices/Reimbursements for NIEA Construction on Current Agenda impacting Cash Balance (84,346.72)

Invoices/Reimbursements for NESPS Mech / Electrical Construction on Current Agenda impacting Cash Balance (91,829.04)

Total Net Cash Balance \$ 76,538,931.72

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID NI-EA CONSTRUCTION

100000003308

(as of April 14, 2021)

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

584,000.00	0.00	0.00	\$584,000.00
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CONT - Contingency
Contingency TOTALS

2,581,000.00	0.00	0.00	\$2,581,000.00
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ENG - Engineering

771638 - Drain Equip Labor

1,253.46

26,381.63

771639 - Drain Equipment

32.90

1,235.87

Engineering TOTALS

478,000.00	1,286.36	27,617.50	\$450,382.50
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ENGCON - Engineering Consultant

730639 - Engineering Services-Other

0.00

200,684.79

731444 - Prof Svc-Consultant

0.00

104,106.00

Engineering Consultant TOTALS

4,913,000.00	0.00	304,790.79	\$4,608,209.21
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FAC - Facility Acquisition

730352 - Construction

0.00

347,922.48

731472 - Project Construction and Impr

19,106.56

56,971.70

Facility Acquisition TOTALS

17,983,600.00	19,106.56	404,894.18	\$17,578,705.82
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INS - Inspection
Inspection TOTALS

260,000.00	0.00	0.00	\$260,000.00
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LEGAL - Legal and Financial

731073 - Legal Services

0.00

4,320.00

Legal and Financial TOTALS

1,259,000.00	0.00	4,320.00	\$1,254,680.00
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ROW - Right of Way

771638 - Drain Equip Labor

659.68

12,375.24

771639 - Drain Equipment

23.92

481.94

Right of Way TOTALS

265,000.00	683.60	12,857.18	\$252,142.82
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STD - Standard Operation
Standard Operation TOTALS

40,000.00	0.00	0.00	\$40,000.00
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SUR - Survey Crew
Survey Crew TOTALS

32,000.00	0.00	0.00	\$32,000.00
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Project 100000003308 - OMID NI-EA CONSTRUCTION

Total Project Expenses

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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Water Resources Commissioner**PROJECT WORK IN PROGRESS****OMID NI-EA CONSTRUCTION****100000003308**

(as of April 14, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$28,395,600.00	\$21,076.52	\$754,479.65	\$27,641,120.35
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$366,867.07	
697551-Issuance of Bonds	\$0.00	\$1,253,132.93	
TOTAL REVENUE	\$0.00	\$1,620,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$865,520.35	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

NESPS MECH-ELEC CONSTRUCTION

100000003309

(as of April 14, 2021)

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

620,000.00	0.00	0.00	\$620,000.00
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CONT - Contingency
Contingency TOTALS

4,917,000.00	0.00	0.00	\$4,917,000.00
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ENG - Engineering

771638 - Drain Equip Labor

5,960.28

43,441.36

771639 - Drain Equipment

272.92

1,745.80

Engineering TOTALS

446,000.00	6,233.20	45,187.16	\$400,812.84
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ENGCON - Engineering Consultant

730639 - Engineering Services-Other

0.00

552,998.06

731444 - Prof Svc-Consultant

0.00

29,878.05

731458 - Professional Services

0.00

26,091.02

Engineering Consultant TOTALS

3,987,000.00	0.00	608,967.13	\$3,378,032.87
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FAC - Facility Acquisition

731472 - Project Construction and Impr

143,786.35

5,441,411.57

Facility Acquisition TOTALS

40,857,000.00	143,786.35	5,441,411.57	\$35,415,588.43
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INS - Inspection

771638 - Drain Equip Labor

8,023.02

70,225.79

771639 - Drain Equipment

918.87

9,080.27

Inspection TOTALS

285,000.00	8,941.89	79,306.06	\$205,693.94
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LEGAL - Legal and Financial

730940 - Insurance

0.00

51,850.00

Legal and Financial TOTALS

2,417,000.00	0.00	51,850.00	\$2,365,150.00
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ROW - Right of Way
Right of Way TOTALS

393,000.00	0.00	0.00	\$393,000.00
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STD - Standard Operation
Standard Operation TOTALS

130,000.00	0.00	0.00	\$130,000.00
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SUR - Survey Crew
Survey Crew TOTALS

34,000.00	0.00	0.00	\$34,000.00
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Project 100000003309 - NESPS MECH-ELEC CONSTRUCTION
Total Project Expenses

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
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Water Resources Commissioner**PROJECT WORK IN PROGRESS****NESPS MECH-ELEC CONSTRUCTION****100000003309**

(as of April 14, 2021)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$54,086,000.00	\$158,961.44	\$6,226,721.92	\$47,859,278.08
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$1,936,242.87	
697551-Issuance of Bonds	\$0.00	\$6,613,757.13	
TOTAL REVENUE	\$0.00	\$8,550,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$2,323,278.08	

Water Resources Commissioner

PROJECT WORK IN PROGRESS

OMID Segment 5

10000003252

(as of April 14, 2021)

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

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

LEGAL - Legal and Financial

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

Project 10000003252 - OMID Segment 5			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$0.00	\$0.00	\$757,136.57	(\$757,136.57)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$16,708,791.40	
655077-Accrued Interest Adjustments	\$61,567.59	(\$19,369.10)	
655385-Income from Investments	\$93,213.59	\$477,357.03	
655462-Increase Market Value Invest	\$0.00	(\$401,669.67)	
697219-Premiums on Bonds Sold	\$0.00	\$7,672,724.75	
697551-Issuance of Bonds	\$0.00	\$49,348,109.94	
TOTAL REVENUE	\$154,781.18	\$73,785,944.35	
REVENUE OVER/(UNDER) EXPENSES		\$73,028,807.78	

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

ASSETS

Current assets:

Cash	\$ 30,176,950.93
Accrued interest receivable	66,901.97
Due from municipalities	4,257,665.09
Prepaid Expenses	123,161.13
Total assets	<u>\$ 34,624,679.12</u>

LIABILITIES

Current liabilities:

Vouchers payable	12,418,252.82
Due to Municipalities	5,914,121.75
Due To Primary Government	2,094.60
Deposits	4,250.00
Total liabilities	<u>\$ 18,338,719.17</u>

NET POSITION

FB Major Maint Reserve	2,458,764.45
FB Capital Improvement Reserve	2,972,044.42
FB Restricted Programs	10,605,151.06
FB Emergency Maint Reserve	250,000.02
Total net position	<u><u>\$ 16,285,959.95</u></u>

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

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

Fund	Description	Major Maintenance	Emergency Maintenance	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	2,458,764.45	250,000.02	2,972,044.42	10,605,151.06		16,285,959.95
84915	OMIDD Seg 4						
	- Project 1-1913 Interceptor Seg 4					156,618.97	
	- Project 1-2232 NESPS Gatehouse					-	
	- Project 1-2708 NESPS Odor Corrosion Study					221.25	156,840.22
84915	OMIDD Seg 5						
	- No Project					402,211.79	
	- Project 1-3252 Interceptor Seg 5 Bond Issue					73,028,807.78	
	- Project 1-3308 NESPS Mech / Elect Const					865,520.35	
	- Project 1-3309 NI-EA Construction					2,323,278.08	76,619,818.00
Total Equity in Maintenance and Construction Funds							<u>93,062,618.17</u>

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

County of Oakland
Oakland Macomb InterceptorCh21 Fund
Statement of Revenues, Expenses, and Changes in Net Position
For the Six Months Ended March 31, 2021
50% of The Year Complete

	Amended Budget	Actual	Favorable (Unfavorable)	YTD % of Budget
Operating revenues				
Inspection Fees	\$ 170.00	\$ 700.00	\$ 530.00	411.76%
Plan Review Fees	80.00	0.00	(80.00)	0.00%
Sewage Disposal Services	75,350,030.00	37,675,015.02	(37,675,014.98)	50.00%
Prior Years Adjustments	0.00	1,395.03	1,395.03	No Budget
Total operating revenue:	<u>75,350,280.00</u>	<u>37,677,110.05</u>	<u>\$ (37,673,169.95)</u>	<u>50.00%</u>
Operating expenses				
Contractual services				
Administration	0.00	464.74	\$ (464.74)	No Budget
Contracted Services	6,108,570.00	663,433.93	5,445,136.07	10.86%
Electrical Service	805,250.00	414,116.84	391,133.16	51.43%
Engineering Services-Other	0.00	153,709.53	(153,709.53)	No Budget
Equipment Maintenance	58,990.00	349,039.73	(290,049.73)	591.69%
Equipment Rental	40.00	0.00	40.00	0.00%
Equipment Repair	250.00	395,541.66	(395,291.66)	158216.66%
Insurance	1,127,300.00	917,252.33	210,047.67	81.37%
Legal Services	121,180.00	31,071.28	90,108.72	25.64%
Licenses and Permits	0.00	1,359.60	(1,359.60)	No Budget
Natural Gas	80,000.00	8,410.71	71,589.29	10.51%
Personal Mileage	30.00	0.00	30.00	0.00%
Prof Svc-Consultant	0.00	32,860.11	(32,860.11)	No Budget
Professional Services	0.00	1,706.06	(1,706.06)	No Budget
Project Construction and Impr	0.00	146,334.29	(146,334.29)	No Budget
Public Services	70,000.00	31,659.51	38,340.49	45.23%
Publishing Legal Notices	2,620.00	0.00	2,620.00	0.00%
Sewage Disposal Services	69,703,800.00	34,784,124.99	34,919,675.01	49.90%
Software Support Maintenance	10,500.00	0.00	10,500.00	0.00%
Testing Services	0.00	9,881.12	(9,881.12)	No Budget
Water and Sewage Charges	125,210.00	79,039.46	46,170.54	63.13%
Workshops and Meeting	1,500.00	0.00	1,500.00	0.00%
Total contractual services	<u>78,215,240.00</u>	<u>38,020,005.89</u>	<u>\$ 40,195,234.11</u>	<u>48.61%</u>
Commodities				
Material and Supplies	3,130.00	3,447.88	(317.88)	110.16%
Total commodities	<u>3,130.00</u>	<u>3,447.88</u>	<u>(317.88)</u>	<u>110.16%</u>
Internal services				
Drain Equip Materials	2,190.00	0.00	\$ 2,190.00	0.00%
Drain Equip Labor	30,760.00	83,074.80	(52,314.80)	270.07%
Drain Equipment	7,590.00	3,984.41	3,605.59	52.50%
Info Tech Development	0.00	1,533.00	(1,533.00)	No Budget
Total internal services	<u>40,540.00</u>	<u>88,592.21</u>	<u>(48,052.21)</u>	<u>218.53%</u>
Total operating expense	<u>78,258,910.00</u>	<u>38,112,045.98</u>	<u>40,146,864.02</u>	<u>48.70%</u>
Operating income (loss)	<u>(2,908,630.00)</u>	<u>(434,935.93)</u>	<u>2,473,694.07</u>	<u>14.95%</u>
Nonoperating revenues (expenses)				
Income from investments	209,500.00	89,862.82	(119,637.18)	42.89%
Insurance Recoveries	0.00	235,149.00	235,149.00	No Budget
Total nonoperating revenues (expenses)	<u>209,500.00</u>	<u>325,011.82</u>	<u>115,511.82</u>	<u>155.14%</u>
Income (loss) before transfer	<u>(2,699,130.00)</u>	<u>(109,924.11)</u>	<u>2,589,205.89</u>	<u>170.09%</u>
Transfers in	0.00	0.00	0.00	No Budget
Transfers out	0.00	0.00	0.00	No Budget
Change in net position	<u>(2,699,130.00)</u>	<u>(109,924.11)</u>	<u>2,589,205.89</u>	<u>4.07%</u>
Net Position - beginning		16,395,884.06		
Net Position - ending		<u>16,285,959.95</u>		

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMI DD Meeting Date 04/21/2021

		84915	84915	84917	84917	82912	
		1-1913	1-2708	1-3308	1-3309		
<u>Payable To</u>	<u>Invoice #</u>	<u>Segment 4</u>	<u>Segment 4 - NESPS Odor Corrosion Study</u>	<u>Segment 5 NIEA Construction</u>	<u>Segment 5 NESPS Mech / Electric Construction</u>	<u>Opperation & Maintenance</u>	<u>Total</u>
Oakland County *	WRC Labor/Fringes/Non-direct Labor	12,495.52	4,654.93	10,250.83	38,465.36		\$65,866.64
Oakland County *	WRC Equipment	635.68	263.97	429.66	3,338.33		\$4,667.64
Oakland County *	WRC Mileage	498.40	0.00	0.00	0.00		\$498.40
Applied Science, Inc	Invoice # 26 (ASI Inv. #7811) Services Through 2/27/21				75,920.38		\$75,920.38
Clark Hill PLC	Invoice # 1073736 Matter 316432 Services Through 02/28/2021			108.00			\$108.00
CH2M - Jacobs	Invoice # 697317CH30 Services Through 04/02/2021					12,474.68	\$12,474.68
CH2M - LG Design	Invoice # 705773CH025 Services Through 02/26/2021		13,184.98				\$13,184.98
CH2M - LG Design	Invoice # 705773CH026 Services Through 04/02/2021		24,027.74				\$24,027.74
Dickinson Wright PLLC	Invoice # 1564580 Matter 012840-00436 Service through 02/28/21					5,025.00	\$5,025.00
Kenedy Industries	Invoice # 623168 NESPS Bearing Repair 1/21/21					3,070.85	3,070.85
Kenedy Industries	Invoice # 623795 NESPS Preventative Maintenance 2/26/21					1,188.00	1,188.00
METCO	Invoice # 1811-27 Through 3/28/21					84,635.43	\$84,635.43
Motor City Electric Technologies	Invoice # 93592 NESP SCADA Cut Over Service Date 3/19/21					154.00	\$154.00
Motor City Electric Technologies	Invoice # 93593 NESP SCADA Cut Over Service Date 3/08/21					154.00	\$154.00
Motor City Electric Technologies	Invoice # 93594 NESP SCADA Cut Over Service Date 3/03/21					231.00	\$231.00
Motor City Electric Technologies	Invoice # 93595 NESP SCADA Cut Over Service Date 3/25/21					192.50	\$192.50
Motor City Electric Technologies	Invoice # 93604 NESP SCADA Cut Over Service Date 6/22/20					6,783.01	\$6,783.01
NTH Consultants	Inv # 04 NI-EA Construction Engineering Service Through 3/19/21			51,612.94			\$51,612.94
NTH Consultants	Inv # 06 NESPS Pumping and Electrical Upgrades Service Through 3/19/21				7,924.01		\$7,924.01
NTH Consultants	Inv # 09 OMIDD CS-9 Hydraulic Coontrol Gate Service Through 3/19/21			5,847.55			\$5,847.55
NTH Consultants	Inv # 09 OMIDD NESPS Safety Manual & Crane Support Service Through 3/19/21					1,621.28	\$1,621.28
NTH Consultants	Inv # 22 - OMIDD NI-EA Rehab Services Through 3/19/21			26,778.23			\$26,778.23
NTH Consultants	Inv # 26 - OMIDD System Immediate Repair Service Through 3/19/21					16,471.60	\$16,471.60
NTH Consultants	Inv # 54 - OMIDD NESPS Discharge Chamber Service Through 3/19/21					2,038.00	\$2,038.00
PMA Consultants	Invoice # 03559.01 - 10 Professional Services Through 3/31/21				7,984.65		\$7,984.65
Rotor Electric Company	Invoice # 12376 Switchgear Maintenance and Testing 09/28/20					1,596.00	\$1,596.00
Rotor Electric Company	Invoice # 12407 Switchgear Maintenance and Testing 01/27/21					665.00	\$665.00
Rotor Electric Company	Invoice # 12408 Switchgear Maintenance and Testing 12/29/20					1,583.79	\$1,583.79
Rotor Electric Company	Invoice # 12409 Switchgear Maintenance and Testing 02/15/21					1,784.00	\$1,784.00
Rotor Electric Company	Invoice # 12410 Switchgear Maintenance and Testing 02/4/21					3,379.30	\$3,379.30
Rotor Electric Company	Invoice # 12411 Switchgear Maintenance and Testing 02/25/21					798.00	\$798.00
Rotor Electric Company	Invoice # 12413 Switchgear Maintenance and Testing 03/02/21					1,064.00	\$1,064.00
Rotor Electric Company	Invoice # 12414 Switchgear Maintenance and Testing 03/05/21					1,330.00	\$1,330.00
Rotor Electric Company	Invoice # 12415 Switchgear Maintenance and Testing 03/11/21					1,330.00	\$1,330.00
Rotor Electric Company	Invoice # 12416 Switchgear Maintenance and Testing 03/03/21					532.00	\$532.00
	Total Invoices/Reimbursements for Approval	\$13,629.60	\$42,131.62	\$95,027.21	\$133,632.73	\$148,101.44	\$432,522.60
	* Less WRC Charges already paid from OMI Fund	(13,629.60)	(4,918.90)	(10,680.49)	(41,803.69)	0.00	(70,534.28)
	Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain	\$0.00	\$37,212.72	\$84,346.72	\$91,829.04	\$148,101.44	\$361,489.92

Agenda Item No. 12

Invoices

OMI Segment 4 Project - WRC Equipment Charges for Trans Dates -02/27/2021 - 04/09/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
834323	03/10/21	03/01/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/01/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/02/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/02/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/03/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/03/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/04/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/04/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/05/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/05/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/08/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/08/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/09/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/09/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/10/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/10/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/11/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/10/21	03/11/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/12/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/10/21	03/12/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/15/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/15/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/16/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/16/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/17/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/17/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/18/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/18/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/19/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/19/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/22/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/22/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/23/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/23/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/24/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/24/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/25/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/25/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	03/24/21	03/26/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	03/24/21	03/26/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	03/29/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	04/08/21	03/29/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	03/30/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	04/08/21	03/30/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	03/31/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	03/31/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	04/08/21	04/01/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	04/08/21	04/01/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	04/02/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	04/02/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	04/08/21	04/05/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	04/08/21	04/05/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	04/06/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	04/08/21	04/06/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	04/07/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
834323	04/08/21	04/07/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	04/08/21	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	100000001913	ENG
834323	04/08/21	04/08/21	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	100000001913	ENG
					\$635.68				

OMI Segment 4 Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 02/27/2021 - 04/09/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
834323	03/10/21	03/01/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/02/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/03/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/04/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/05/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/08/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/09/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/10/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/11/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/10/21	03/12/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/15/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/16/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/17/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/18/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/19/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/22/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/23/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/24/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/25/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	03/24/21	03/26/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	03/29/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	03/30/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	03/31/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	04/01/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	04/02/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	04/05/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	04/06/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	04/07/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
834323	04/08/21	04/08/21	POUSHO, ROBERT	8.00	\$430.88	REGULAR	WRCCON	100000001913	ENG
					\$12,495.52				

OMI Segment 4 Project - WRC Personal Mileage and Parking - Accounting Date Range 03/01/2021 - 03/31/2021

Acctg Date	Fund	Fund Description	Project	Project Description	Activity	Descr	Sum BU Amount
3/12/2021	84915	OMIDD Segment 4	100000001913	OMIDD Segment 4	ENG	Pousho 840 Miles 3-19-21	\$ 470.40
3/26/2021	84915	OMIDD Segment 4	100000001913	OMIDD Segment 4	ENG	Pousho 890 Miles 3-19-21	\$ 498.40
							<u>\$ 498.40</u>

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -02/27/2021 - 04/09/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
864521	03/01/21	02/23/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000002708	ENG
864521	03/23/21	03/11/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000002708	ENG
864521	03/29/21	03/15/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000002708	ENG
864521	03/29/21	03/17/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000002708	ENG
864521	03/29/21	03/26/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000002708	ENG
			BROWN, JOEL Total		\$797.65				
864521	03/09/21	02/16/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/09/21	02/18/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000002708	ENG
864521	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000002708	ENG
864521	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000002708	ENG
864521	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/15/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/16/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/17/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/18/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/19/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/22/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/23/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/24/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/25/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000002708	ENG
864521	03/26/21	03/26/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000002708	ENG
			LOCKHART, SIDNEY Total		\$3,857.28				
			Grand Total		\$4,654.93				

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Equipment Charges for Trans Dates - 02/27/2021 - 04/09/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
864521	03/01/21	02/23/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/01/21	02/23/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/01/21	02/23/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/23/21	03/11/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/23/21	03/11/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/23/21	03/11/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/29/21	03/15/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/29/21	03/15/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/29/21	03/15/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/29/21	03/17/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/29/21	03/17/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/29/21	03/17/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/29/21	03/26/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/29/21	03/26/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/29/21	03/26/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
			BROWN, JOEL Total		\$20.93				
864521	03/09/21	02/16/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/09/21	02/16/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/09/21	02/16/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/09/21	02/16/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/09/21	02/18/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/09/21	02/18/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/09/21	02/18/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/09/21	02/18/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/15/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/15/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/15/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/15/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/16/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/16/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/16/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/16/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/17/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/17/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/17/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/17/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/18/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/18/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/18/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/18/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/19/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/19/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/19/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG

864521	03/26/21	03/19/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/22/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/22/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/22/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/22/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/23/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/23/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/23/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/23/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/24/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/24/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/24/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/24/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/25/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/25/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
864521	03/26/21	03/25/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/25/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/26/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000002708	ENG
864521	03/26/21	03/26/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000002708	ENG
864521	03/26/21	03/26/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
864521	03/26/21	03/26/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
			LOCKHART, SIDNEY Total		\$243.04				
			Grand Total		\$263.97				

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

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 02/27/2021 - 04/09/2021										
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity	
984657	03/01/21	02/16/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	100000003308	ENG	
984657	03/01/21	02/17/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	100000003308	ENG	
984657	03/01/21	02/18/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG	
984657	03/01/21	02/19/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000003308	ENG	
984657	03/01/21	02/22/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	100000003308	ENG	
984657	03/01/21	02/23/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	100000003308	ENG	
984657	03/01/21	02/26/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000003308	ENG	
984657	03/23/21	03/01/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG	
984657	03/23/21	03/02/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG	
984657	03/23/21	03/04/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003308	ENG	
984657	03/23/21	03/05/21	BROWN, JOEL	3.50	\$398.83	REGULAR	WRCCON	100000003308	ENG	
984657	03/23/21	03/08/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG	
984657	03/23/21	03/09/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000003308	ENG	
984657	03/23/21	03/10/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG	
984657	03/23/21	03/12/21	BROWN, JOEL	0.50	\$56.98	REGULAR	WRCCON	100000003308	ENG	
984657	03/29/21	03/15/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003308	ENG	
984657	03/29/21	03/16/21	BROWN, JOEL	1.00	\$113.95	REGULAR	WRCCON	100000003308	ENG	
984657	03/29/21	03/17/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG	
984657	03/29/21	03/22/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000003308	ENG	
984657	03/29/21	03/23/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG	
984657	03/29/21	03/24/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	100000003308	ENG	
984657	03/29/21	03/26/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	100000003308	ENG	
			BROWN, JOEL Total		\$4,842.91					
984657	03/09/21	02/16/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG	
984657	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/09/21	02/18/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG	
984657	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/01/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/03/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/04/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/05/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/08/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/10/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/12/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	100000003308	ENG	
984657	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	100000003308	ENG	
			LOCKHART, SIDNEY Total		\$3,995.04					
984662	03/12/21	03/03/21	PARROTT, JEFFREY	3.00	\$247.38	REGULAR	WRCROW	100000003308	ROW	
984662	03/12/21	03/10/21	PARROTT, JEFFREY	2.00	\$164.92	REGULAR	WRCROW	100000003308	ROW	
984662	03/25/21	03/24/21	PARROTT, JEFFREY	1.00	\$82.46	REGULAR	WRCROW	100000003308	ROW	
984662	03/25/21	03/25/21	PARROTT, JEFFREY	2.00	\$164.92	REGULAR	WRCROW	100000003308	ROW	
984662	03/25/21	03/24/21	PARROTT, JEFFREY	1.00	\$93.52	OVERTIME	WRCROW	100000003308	ROW	
984662	04/09/21	04/05/21	PARROTT, JEFFREY	5.00	\$412.30	REGULAR	WRCROW	100000003308	ROW	
984662	04/09/21	04/06/21	PARROTT, JEFFREY	3.00	\$247.38	REGULAR	WRCROW	100000003308	ROW	
			PARROTT, JEFFREY Total		\$1,412.88					
			Grand Total		\$10,250.83					

OMI Segment 5 NI-EA Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 02/27/2021 - 4/09/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984657	03/01/21	02/16/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/01/21	02/16/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/01/21	02/16/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/01/21	02/17/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/01/21	02/17/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/01/21	02/17/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/01/21	02/18/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/01/21	02/18/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/01/21	02/18/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/01/21	02/19/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/01/21	02/19/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/01/21	02/19/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/01/21	02/22/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/01/21	02/22/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/01/21	02/22/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/01/21	02/23/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/01/21	02/23/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/01/21	02/23/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/01/21	02/26/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/01/21	02/26/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/01/21	02/26/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/23/21	03/01/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/23/21	03/01/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/23/21	03/01/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/23/21	03/02/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/23/21	03/02/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/23/21	03/02/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/23/21	03/04/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/23/21	03/04/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/23/21	03/04/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/23/21	03/05/21	BROWN, JOEL	3.50	\$0.88	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/23/21	03/05/21	BROWN, JOEL	3.50	\$1.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/23/21	03/05/21	BROWN, JOEL	3.50	\$8.19	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/23/21	03/08/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/23/21	03/08/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/23/21	03/08/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/23/21	03/09/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/23/21	03/09/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/23/21	03/09/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/23/21	03/10/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/23/21	03/10/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/23/21	03/10/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/23/21	03/12/21	BROWN, JOEL	0.50	\$1.17	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/23/21	03/12/21	BROWN, JOEL	0.50	\$0.20	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/23/21	03/12/21	BROWN, JOEL	0.50	\$0.13	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/29/21	03/15/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/29/21	03/15/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/29/21	03/15/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/29/21	03/16/21	BROWN, JOEL	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/29/21	03/16/21	BROWN, JOEL	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/29/21	03/16/21	BROWN, JOEL	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/29/21	03/17/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/29/21	03/17/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/29/21	03/17/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/29/21	03/22/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/29/21	03/22/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/29/21	03/22/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/29/21	03/23/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/29/21	03/23/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/29/21	03/23/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/29/21	03/24/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/29/21	03/24/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/29/21	03/24/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/29/21	03/26/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/29/21	03/26/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/29/21	03/26/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
			BROWN, JOEL Total		\$127.11				
984657	03/09/21	02/16/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/09/21	02/16/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/09/21	02/16/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG

984657	03/09/21	02/16/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/09/21	02/17/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/09/21	02/18/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/09/21	02/18/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/09/21	02/18/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/09/21	02/18/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/09/21	02/19/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/09/21	02/22/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/09/21	02/24/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/09/21	02/25/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/01/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/01/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/01/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/01/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/03/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/03/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/03/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/03/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/04/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/04/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/04/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/04/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/05/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/05/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/05/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/05/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/08/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/08/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/08/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/08/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/10/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/10/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/10/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/10/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/12/21	LOCKHART, SIDNEY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/12/21	LOCKHART, SIDNEY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ENG
984657	03/12/21	03/12/21	LOCKHART, SIDNEY	1.00	\$5.69	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/12/21	LOCKHART, SIDNEY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ENG
984657	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003308	ENG
984657	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ENG
984657	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ENG
			LOCKHART, SIDNEY Total		\$251.72				
984662	03/12/21	03/03/21	PARROTT, JEFFREY	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ROW
984662	03/12/21	03/03/21	PARROTT, JEFFREY	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ROW
984662	03/12/21	03/03/21	PARROTT, JEFFREY	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ROW

984662	03/12/21	03/10/21	PARROTT, JEFFREY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ROW
984662	03/12/21	03/10/21	PARROTT, JEFFREY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ROW
984662	03/12/21	03/10/21	PARROTT, JEFFREY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	03/25/21	03/24/21	PARROTT, JEFFREY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	03/25/21	03/24/21	PARROTT, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	03/25/21	03/24/21	PARROTT, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	03/25/21	03/25/21	PARROTT, JEFFREY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003308	ROW
984662	03/25/21	03/25/21	PARROTT, JEFFREY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	03/25/21	03/25/21	PARROTT, JEFFREY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003308	ROW
984662	03/25/21	03/24/21	PARROTT, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003308	ROW
984662	03/25/21	03/24/21	PARROTT, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003308	ROW
984662	03/25/21	03/24/21	PARROTT, JEFFREY	1.00	\$0.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	04/09/21	04/05/21	PARROTT, JEFFREY	5.00	\$1.25	ASSIGNED	Tablet/iPad	100000003308	ROW
984662	04/09/21	04/05/21	PARROTT, JEFFREY	5.00	\$2.00	ASSIGNED	Cell Phone	100000003308	ROW
984662	04/09/21	04/05/21	PARROTT, JEFFREY	5.00	\$11.70	ASSIGNED	PC/Computer	100000003308	ROW
984662	04/09/21	04/06/21	PARROTT, JEFFREY	3.00	\$1.20	ASSIGNED	Cell Phone	100000003308	ROW
984662	04/09/21	04/06/21	PARROTT, JEFFREY	3.00	\$7.02	ASSIGNED	PC/Computer	100000003308	ROW
984662	04/09/21	04/06/21	PARROTT, JEFFREY	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003308	ROW
			PARROTT, JEFFREY Total		\$50.83				
			Grand Total		\$429.66				

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

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates -02/27/2021 - 04/09/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	03/01/21	02/16/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	10000003309	ENG
984656	03/01/21	02/17/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	10000003309	ENG
984656	03/01/21	02/18/21	BROWN, JOEL	3.50	\$398.83	REGULAR	WRCCON	10000003309	ENG
984656	03/01/21	02/19/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	10000003309	ENG
984656	03/01/21	02/22/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	10000003309	ENG
984656	03/01/21	02/24/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	10000003309	ENG
984656	03/01/21	02/25/21	BROWN, JOEL	8.00	\$911.60	REGULAR	WRCCON	10000003309	ENG
984656	03/01/21	02/26/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/01/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/02/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/03/21	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/04/21	BROWN, JOEL	7.00	\$797.65	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/05/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/08/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/09/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/10/21	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/11/21	BROWN, JOEL	3.00	\$341.85	REGULAR	WRCCON	10000003309	ENG
984656	03/23/21	03/12/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/15/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/16/21	BROWN, JOEL	4.50	\$512.78	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/17/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/18/21	BROWN, JOEL	4.00	\$455.80	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/22/21	BROWN, JOEL	1.50	\$170.93	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/23/21	BROWN, JOEL	2.00	\$227.90	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/24/21	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/25/21	BROWN, JOEL	3.50	\$398.83	REGULAR	WRCCON	10000003309	ENG
984656	03/29/21	03/26/21	BROWN, JOEL	2.50	\$284.88	REGULAR	WRCCON	10000003309	ENG
			BROWN, JOEL Total		\$8,945.13				
984664	03/01/21	03/01/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/02/21	03/02/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/03/21	03/03/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/04/21	03/04/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/05/21	03/05/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/08/21	03/08/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/10/21	03/10/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/11/21	03/11/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/16/21	03/16/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/17/21	03/17/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/18/21	03/18/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/19/21	03/19/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/22/21	03/22/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/23/21	03/23/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/24/21	03/24/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/25/21	03/25/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/26/21	03/26/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/29/21	03/29/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/30/21	03/30/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	03/31/21	03/31/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	04/01/21	04/01/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	04/02/21	04/02/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	04/05/21	04/05/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	04/06/21	04/06/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
984664	04/07/21	04/07/21	CODE, JEFFREY	1.00	\$78.53	REGULAR	WRCCDM	10000003309	INS
			CODE, JEFFREY Total		\$1,963.25				
984656	03/09/21	02/19/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	03/09/21	02/25/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	03/12/21	03/04/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	03/29/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	03/30/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	03/31/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	04/01/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	04/02/21	LOCKHART, SIDNEY	3.00	\$413.28	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	04/05/21	LOCKHART, SIDNEY	3.00	\$413.28	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	04/06/21	LOCKHART, SIDNEY	2.00	\$275.52	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	04/07/21	LOCKHART, SIDNEY	3.00	\$413.28	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	04/08/21	LOCKHART, SIDNEY	1.00	\$137.76	REGULAR	WRCADM	10000003309	ENG
984656	04/09/21	04/09/21	LOCKHART, SIDNEY	3.00	\$413.28	REGULAR	WRCADM	10000003309	ENG
			LOCKHART, SIDNEY Total		\$5,372.64				
984664	03/01/21	03/01/21	ROBERTS, PATRICK	8.00	\$569.84	REGULAR	WRCCDM	10000003309	INS

OMI Segment 5 NESP Mech - Elect Construction Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 02/27/2021 - 04/09/2021									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
984656	03/01/21	02/16/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/01/21	02/16/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/01/21	02/16/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/01/21	02/17/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/01/21	02/17/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/01/21	02/17/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/01/21	02/18/21	BROWN, JOEL	3.50	\$0.88	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/01/21	02/18/21	BROWN, JOEL	3.50	\$1.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/01/21	02/18/21	BROWN, JOEL	3.50	\$8.19	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/01/21	02/19/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/01/21	02/19/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/01/21	02/19/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/01/21	02/22/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/01/21	02/22/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/01/21	02/22/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/01/21	02/24/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/01/21	02/24/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/01/21	02/24/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/01/21	02/25/21	BROWN, JOEL	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/01/21	02/25/21	BROWN, JOEL	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/01/21	02/25/21	BROWN, JOEL	8.00	\$2.00	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/01/21	02/26/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/01/21	02/26/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/01/21	02/26/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/01/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/01/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/01/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/02/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/02/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/02/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/03/21	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/03/21	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/03/21	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/04/21	BROWN, JOEL	7.00	\$1.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/04/21	BROWN, JOEL	7.00	\$16.38	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/04/21	BROWN, JOEL	7.00	\$2.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/05/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/05/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/05/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/08/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/08/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/08/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/09/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/09/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/09/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/10/21	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/10/21	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/10/21	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/11/21	BROWN, JOEL	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/11/21	BROWN, JOEL	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/11/21	BROWN, JOEL	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/23/21	03/12/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/23/21	03/12/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/23/21	03/12/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/15/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/29/21	03/15/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/15/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/16/21	BROWN, JOEL	4.50	\$10.53	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/16/21	BROWN, JOEL	4.50	\$1.13	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/16/21	BROWN, JOEL	4.50	\$1.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/29/21	03/17/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/29/21	03/17/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/17/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/18/21	BROWN, JOEL	4.00	\$1.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/29/21	03/18/21	BROWN, JOEL	4.00	\$1.00	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/18/21	BROWN, JOEL	4.00	\$9.36	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/22/21	BROWN, JOEL	1.50	\$0.60	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/29/21	03/22/21	BROWN, JOEL	1.50	\$0.38	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/22/21	BROWN, JOEL	1.50	\$3.51	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/23/21	BROWN, JOEL	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG

984656	03/29/21	03/23/21	BROWN, JOEL	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/23/21	BROWN, JOEL	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/24/21	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/24/21	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/29/21	03/24/21	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/25/21	BROWN, JOEL	3.50	\$1.40	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/29/21	03/25/21	BROWN, JOEL	3.50	\$8.19	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/25/21	BROWN, JOEL	3.50	\$0.88	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/29/21	03/26/21	BROWN, JOEL	2.50	\$1.00	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/29/21	03/26/21	BROWN, JOEL	2.50	\$5.85	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/29/21	03/26/21	BROWN, JOEL	2.50	\$0.63	ASSIGNED	Tablet/iPad	100000003309	ENG
			BROWN, JOEL Total		\$234.77				
984664	03/01/21	03/01/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/01/21	03/01/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/01/21	03/01/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/02/21	03/02/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/02/21	03/02/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/02/21	03/02/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/03/21	03/03/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/03/21	03/03/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/03/21	03/03/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/04/21	03/04/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/04/21	03/04/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/04/21	03/04/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/05/21	03/05/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/05/21	03/05/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/05/21	03/05/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/08/21	03/08/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/08/21	03/08/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/08/21	03/08/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/10/21	03/10/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/10/21	03/10/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/10/21	03/10/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/11/21	03/11/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/11/21	03/11/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/11/21	03/11/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/16/21	03/16/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/16/21	03/16/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/16/21	03/16/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/17/21	03/17/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/17/21	03/17/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/17/21	03/17/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/18/21	03/18/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/18/21	03/18/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/18/21	03/18/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/19/21	03/19/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/19/21	03/19/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/19/21	03/19/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/22/21	03/22/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/22/21	03/22/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/22/21	03/22/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/23/21	03/23/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/23/21	03/23/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/23/21	03/23/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/24/21	03/24/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/24/21	03/24/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/24/21	03/24/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/25/21	03/25/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/25/21	03/25/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/25/21	03/25/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/26/21	03/26/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/26/21	03/26/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/26/21	03/26/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/29/21	03/29/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/29/21	03/29/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/29/21	03/29/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/30/21	03/30/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/30/21	03/30/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	03/30/21	03/30/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/31/21	03/31/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	03/31/21	03/31/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	03/31/21	03/31/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/01/21	04/01/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS

984664	04/01/21	04/01/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/01/21	04/01/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	04/02/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/02/21	04/02/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	04/02/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	04/05/21	04/05/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	04/05/21	04/05/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	04/05/21	04/05/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/06/21	04/06/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	04/06/21	04/06/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	04/06/21	04/06/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/07/21	04/07/21	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	04/07/21	04/07/21	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/07/21	04/07/21	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
			CODE, JEFFREY Total		\$210.75				
984656	03/09/21	02/19/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	03/09/21	02/19/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/09/21	02/19/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/09/21	02/19/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/09/21	02/23/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/09/21	02/25/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/09/21	02/25/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/09/21	02/25/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	03/09/21	02/25/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	03/09/21	02/26/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/12/21	03/02/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/12/21	03/04/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/12/21	03/04/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/12/21	03/04/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	03/12/21	03/04/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/12/21	03/09/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	03/12/21	03/11/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	04/09/21	03/29/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	04/09/21	03/29/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	04/09/21	03/29/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	04/09/21	03/29/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	04/09/21	03/30/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	04/09/21	03/30/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	04/09/21	03/30/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	04/09/21	03/30/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	04/09/21	03/31/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	04/09/21	03/31/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	04/09/21	03/31/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	04/09/21	03/31/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	04/09/21	04/01/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG
984656	04/09/21	04/01/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	04/09/21	04/01/21	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	ENG
984656	04/09/21	04/01/21	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	04/09/21	04/02/21	LOCKHART, SIDNEY	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	04/09/21	04/02/21	LOCKHART, SIDNEY	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	04/09/21	04/02/21	LOCKHART, SIDNEY	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	04/09/21	04/02/21	LOCKHART, SIDNEY	3.00	\$17.07	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	04/09/21	04/05/21	LOCKHART, SIDNEY	3.00	\$17.07	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	04/09/21	04/05/21	LOCKHART, SIDNEY	3.00	\$7.02	ASSIGNED	PC/Computer	100000003309	ENG
984656	04/09/21	04/05/21	LOCKHART, SIDNEY	3.00	\$1.20	ASSIGNED	Cell Phone	100000003309	ENG
984656	04/09/21	04/05/21	LOCKHART, SIDNEY	3.00	\$0.75	ASSIGNED	Tablet/iPad	100000003309	ENG
984656	04/09/21	04/06/21	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	100000003309	ENG
984656	04/09/21	04/06/21	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	ENG

OMI Seg 5 NESPS Mechanical - Electrical Construction Project - WRC labor-FB-NPF-EQP for 04-21-2021 meeting

OMI Seq 5 NESPS Mechanical - Electrical Construction Project - WRC labor-FB-NPF-EQP for 04-21-2021 meeting

984664	03/31/21	03/30/21	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	03/31/21	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	03/31/21	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	04/02/21	03/31/21	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/02/21	03/31/21	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/02/21	03/31/21	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	03/31/21	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	INS
984664	04/02/21	04/01/21	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	04/01/21	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	04/02/21	04/01/21	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/02/21	04/01/21	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	04/01/21	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	INS
984664	04/02/21	04/01/21	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/02/21	04/02/21	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	04/02/21	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/02/21	04/02/21	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	04/02/21	04/02/21	ROBERTS, PATRICK	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/02/21	04/02/21	ROBERTS, PATRICK	1.00	\$0.40	ASSIGNED	Cell Phone	100000003309	INS
984664	04/02/21	04/02/21	ROBERTS, PATRICK	1.00	\$2.34	ASSIGNED	PC/Computer	100000003309	INS
984664	04/05/21	04/05/21	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/05/21	04/05/21	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	04/05/21	04/05/21	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	04/05/21	04/05/21	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	INS
984664	04/05/21	04/05/21	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	INS
984664	04/05/21	04/05/21	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/06/21	04/06/21	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/06/21	04/06/21	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	04/06/21	04/06/21	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	04/06/21	04/06/21	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	INS
984664	04/06/21	04/06/21	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	INS
984664	04/06/21	04/06/21	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/07/21	04/07/21	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/07/21	04/07/21	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	04/07/21	04/07/21	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	04/07/21	04/07/21	ROBERTS, PATRICK	4.00	\$9.36	ASSIGNED	PC/Computer	100000003309	INS
984664	04/07/21	04/07/21	ROBERTS, PATRICK	4.00	\$22.76	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/07/21	04/07/21	ROBERTS, PATRICK	4.00	\$1.60	ASSIGNED	Cell Phone	100000003309	INS
984664	04/08/21	04/08/21	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	04/08/21	04/08/21	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	04/08/21	04/08/21	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/08/21	04/08/21	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	INS
984664	04/08/21	04/08/21	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/08/21	04/08/21	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	INS
984664	04/09/21	04/09/21	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000003309	INS
984664	04/09/21	04/09/21	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000003309	INS
984664	04/09/21	04/09/21	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/09/21	04/09/21	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000003309	INS
984664	04/09/21	04/09/21	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000003309	INS
984664	04/09/21	04/09/21	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000003309	INS
			ROBERTS, PATRICK Total		\$2,554.29				
			Grand Total		\$3,338.33				

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



Applied Science, Inc.

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

March 31, 2021

Project Invoice #26 (ASI Inv. #7811) **li# 41133 exp. 6/26/21 v#352**

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)

Invoice Period: 1/31/21 - 2/27/21

Task No.	Task Description	Total This Invoice
1	Transition & Basis of Design	
	Total:	\$ -

Task No.	Task Description	Total This Invoice
2	Design Services for Pump & Electrical Upgrades	
	Total:	\$ -
	Subconsultants:	
	FK Engineering:	\$ -
	NTH Consultants	\$ -
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	\$ -

Task No.	Task Description	Total This Invoice
3	Additional Special Services	
	Total:	\$ -
	Subconsultants:	
	FK Engineering:	\$ -
	ASI Markup 5%:	\$ -
	Total Due This Invoice:	\$ -

Task No.	Task Description	Total This Invoice
5	Construction Services	
	Total:	\$ 14,416.00
	Subconsultants:	
	NTH Consultants	\$ 26,503.85
	Metco Services	\$ 26,646.00
	FK Engineering:	\$ 5,425.75
	ASI Markup 5%:	\$ 2,928.78
	Total Due This Invoice:	\$ 75,920.38

Total Due This Invoice:	\$ 75,920.38
Previous Amount Invoiced:	\$ 1,990,721.73
Total Invoiced To-Date	\$ 2,066,642.11
Contract Task Total:	\$ 4,198,380.00
Amount Remaining:	\$ 2,131,737.89

84917 - 149015 - 730639 - 1-3309
engcon

JTB 4/2/21

Sid Lockhart



LG Design is a Subsidiary of CH2M Hill Engineers

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

Invoice Contact:
Sandy.Pepper@Jacobs.com

Remit to:

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

Invoice Date: 3/8/2021
CH2M HILL Project No. 705773CH
CH2M HILL Invoice No. 705773CH025
Sequential Invoice Number: 26

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

This invoice includes labor and expenses for the period:
From January 30, 2021 through February 26, 2021

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

Authorized Amount: \$ 1,272,470.46
Current Invoice: \$ 13,184.98
Total Invoiced: \$ 1,168,674.29
Percent Complete: 91.84%
Remaining Budget: \$ 103,796.17

4/9/21

Total Amount Due: \$ 13,184.98

Project/Task Number	Description	Total Budget	Previously Invoiced	Current Invoice	Total Invoiced	Percent Spent	Remaining Budget
1	PROJECT MANAGEMENT	\$ 33,527.00	\$ 33,504.07	\$ -	\$ 33,504.07	99.93%	\$ 22.93
2	PRELIMINARY DESIGN	\$ 73,599.00	\$ 73,519.37	\$ -	\$ 73,519.37	99.89%	\$ 79.63
3	FINAL DESIGN	\$ 195,027.00	\$ 195,009.84	\$ -	\$ 195,009.84	99.99%	\$ 17.16
4	BIDDING	\$ 31,841.46	\$ 31,840.94	\$ -	\$ 31,840.94	100.00%	\$ 0.52
5	CONSTRUCTION OBSERVATION	\$ 325,731.16	\$ 325,621.07	\$ -	\$ 325,621.07	99.97%	\$ 110.09
6	REVIEW SUBMITTALS	\$ 85,648.00	\$ 85,581.87	\$ -	\$ 85,581.87	99.92%	\$ 66.13
7	CHANGES & CLAIMS	\$ 17,361.00	\$ 17,274.11	\$ -	\$ 17,274.11	99.50%	\$ 86.89
8	SITE INSPECTION	\$ 32,645.57	\$ 13,420.51	\$ 11,926.79	\$ 25,347.30	77.64%	\$ 7,298.27
9	PREPARE O&M MANUAL	\$ 26,718.00	\$ -	\$ -	\$ -	0.00%	\$ 26,718.00
10	PROVIDE OPERATING TRAINING	\$ 9,082.00	\$ -	\$ -	\$ -	0.00%	\$ 9,082.00
11	ASSIST WITH FACILITY START-UP	\$ 17,129.00	\$ 1,004.08	\$ -	\$ 1,004.08	5.86%	\$ 16,124.92
12	PREPARE RECORD DRAWINGS	\$ 9,803.00	\$ 504.32	\$ -	\$ 504.32	5.14%	\$ 9,298.68
13	WARRANTY & PERFORMANCE REVIEWS	\$ 15,925.00	\$ 1,209.11	\$ 518.19	\$ 1,727.30	10.85%	\$ 14,197.70
14	PROJECT PLANNING	\$ 25,000.00	\$ 24,997.75	\$ -	\$ 24,997.75	99.99%	\$ 2.25
EX	EXPENSES	\$ 17,175.62	\$ 17,175.62	\$ -	\$ 17,175.62	100.00%	\$ -
SUB.METCO	ELECTRICAL ENGINEERING	\$ 74,194.50	\$ 74,194.50	\$ -	\$ 74,194.50	100.00%	\$ -
SUB.NTH	GEOTECH INVESTIGATION	\$ 256,122.15	\$ 255,382.15	\$ 740.00	\$ 256,122.15	100.00%	\$ -
SUB.SDA	SITE SURVEY	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100.00%	\$ -
Subtotal:		\$ 1,251,779.46	\$ 1,155,489.31	\$ 13,184.98	\$ 1,168,674.29	93.36%	\$ 83,105.17
Allowance		\$ 20,691.00	\$ -	\$ -	\$ -	0.00%	\$ 20,691.00
Total:		\$ 1,272,470.46	\$ 1,155,489.31	\$ 13,184.98	\$ 1,168,674.29	93.36%	\$ 103,796.17

OUTSTANDING INVOICES:

INVOICE DATE	INVOICE #	AMOUNT
Total:		\$ -
Current invoice		\$ 13,184.98
TOTAL DUE:		\$ 13,184.98

Payment term: 30 calendar days (NET)

FINANCE CHARGES WILL BE ASSESSED AT 1% PERCENT PER MONTH (OR MAXIMUM PERMISSIBLE UNDER STATE LAW) ON ALL ACCOUNTS OVERDUE UNLESS STATED OTHERWISE IN OUR CONTRACT. CH2M HILL IS INCORPORATED.

Electronic payment details:

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



LG Design is a Subsidiary of CH2M Hill Engineers

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

Invoice Contact:
Sandy.Pepper@Jacobs.com

Remit to:

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

Invoice Date: 4/9/2021
CH2M HILL Project No. 705773CH
CH2M HILL Invoice No. 705773CH026
Sequential Invoice Number: 27

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

This invoice includes labor and expenses for the period:
From February 27, 2021 through April 2, 2021

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

4/9/21

Authorized Amount: \$ 1,272,470.46
Current Invoice: \$ 24,027.74
Total Invoiced: \$ 1,192,702.03
Percent Complete: 93.73%
Remaining Budget: \$ 79,768.43

Total Amount Due: \$ 24,027.74

Project/Task Number	Description	Total Budget	Previously Invoiced	Current Invoice	Total Invoiced	Percent Spent	Remaining Budget
1	PROJECT MANAGEMENT	\$ 33,527.00	\$ 33,504.07	\$ -	\$ 33,504.07	99.93%	\$ 22.93
2	PRELIMINARY DESIGN	\$ 73,599.00	\$ 73,519.37	\$ -	\$ 73,519.37	99.89%	\$ 79.63
3	FINAL DESIGN	\$ 195,027.00	\$ 195,009.84	\$ -	\$ 195,009.84	99.99%	\$ 17.16
4	BIDDING	\$ 31,841.46	\$ 31,840.94	\$ -	\$ 31,840.94	100.00%	\$ 0.52
5	CONSTRUCTION OBSERVATION	\$ 325,731.16	\$ 325,621.07	\$ -	\$ 325,621.07	99.97%	\$ 110.09
6	REVIEW SUBMITTALS	\$ 85,648.00	\$ 85,581.87	\$ -	\$ 85,581.87	99.92%	\$ 66.13
7	CHANGES & CLAIMS	\$ 17,361.00	\$ 17,274.11	\$ -	\$ 17,274.11	99.50%	\$ 86.89
8	SITE INSPECTION	\$ 31,998.07	\$ 25,347.30	\$ 6,506.43	\$ 31,853.73	99.55%	\$ 144.34
9	PREPARE O&M MANUAL	\$ 26,718.00	\$ -	\$ -	\$ -	0.00%	\$ 26,718.00
10	PROVIDE OPERATING TRAINING	\$ 9,082.00	\$ -	\$ 6,112.88	\$ 6,112.88	67.31%	\$ 2,969.12
11	ASSIST WITH FACILITY START-UP	\$ 17,129.00	\$ 1,004.08	\$ 9,271.81	\$ 10,275.89	59.99%	\$ 6,853.11
12	PREPARE RECORD DRAWINGS	\$ 9,803.00	\$ 504.32	\$ -	\$ 504.32	5.14%	\$ 9,298.68
13	WARRANTY & PERFORMANCE REVIEWS	\$ 15,925.00	\$ 1,727.30	\$ 1,489.12	\$ 3,216.42	20.20%	\$ 12,708.58
14	PROJECT PLANNING	\$ 25,000.00	\$ 24,997.75	\$ -	\$ 24,997.75	99.99%	\$ 2.25
EX	EXPENSES	\$ 17,175.62	\$ 17,175.62	\$ -	\$ 17,175.62	100.00%	\$ -
SUB.METCO	ELECTRICAL ENGINEERING	\$ 74,194.50	\$ 74,194.50	\$ -	\$ 74,194.50	100.00%	\$ -
SUB.NTH	GEOTECH INVESTIGATION	\$ 256,769.65	\$ 256,122.15	\$ 647.50	\$ 256,769.65	100.00%	\$ -
SUB.SDA	SITE SURVEY	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100.00%	\$ -
Subtotal:		\$ 1,251,779.46	\$ 1,168,674.29	\$ 24,027.74	\$ 1,192,702.03	95.28%	\$ 59,077.43
Allowance		\$ 20,691.00	\$ -	\$ -	\$ -	0.00%	\$ 20,691.00
Total:		\$ 1,272,470.46	\$ 1,168,674.29	\$ 24,027.74	\$ 1,192,702.03	95.28%	\$ 79,768.43

OUTSTANDING INVOICES:

INVOICE DATE	INVOICE #	AMOUNT
3/8/2021	705773CH025	\$ 13,184.98
Total:		\$ 13,184.98
Current invoice		\$ 24,027.74
TOTAL DUE:		\$ 37,212.72

Payment term: 30 calendar days (NET)

FINANCE CHARGES WILL BE ASSESSED AT 1% PERCENT PER MONTH (OR MAXIMUM PERMISSIBLE UNDER STATE LAW) ON ALL ACCOUNTS OVERDUE UNLESS STATED OTHERWISE IN OUR CONTRACT. CH2M HILL IS INCORPORATED.

Electronic payment details:

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

CLARK HILL

P.L.C.

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

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

INVOICE

Invoice # 1073736

Oakland-Macomb Interceptor Drain Drainage District March 12, 2021
Attn: Megan Koss, Esq. Client: 58434
1 Public Works Drive Matter: 316432
Waterford, MI 48328
kossm@oakgov.com; korths@oakgov.com
cookek@oakgov.com

=====

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

FOR SERVICES RENDERED through February 28, 2021

Total Services: \$108.00


INVOICE TOTAL \$108.00

02/19/21 1067284 \$108.00

Past Due Balance: \$108.00

TOTAL AMOUNT DUE \$216.00
=====

84917 - 6010101 - 149015 - 731073 - 5113 - 1-3308 - Ch. 21 - v#2788 - exp. 5/15/21

 4/2/21

Approved
3/17/21
OMID
Board

MK 3/18/21

PAYABLE UPON RECEIPT IN U.S. DOLLARS

INVOICE DATE: MARCH 17, 2021
 INVOICE NO.: 1564580

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

82912 - 6010101 - 149030 - 731073 - 5089 - Ch. 21 - v#4978 - exp. 4/30/22

ATTN: STEVE KORTH

CLIENT/MATTER NO.: 012840-00436



4/2/21

RE: PREPARE BOARD MEMORANDUM RE LOCKOUT-TAGOUT (LOTO) ISSUE

PRIVILEGED AND CONFIDENTIAL

FOR PROFESSIONAL SERVICES THROUGH FEBRUARY 28, 2021

USD

TOTAL FEES CURRENT INVOICE \$ 5,025.00

TOTAL CURRENT INVOICE **\$ 5,025.00**OUTSTANDING INVOICES ON THE MATTER BILLED ON THIS CURRENT INVOICE AS OF MARCH 17, 2021

<u>INVOICE</u>	<u>DATE</u>	<u>BILLED VALUE</u>	<u>PAYMENTS</u>	<u>OUTSTANDING</u>
1555164	02/16/21	1,237.50	(0.00)	1,237.50

TOTAL OUTSTANDING FROM PRIOR INVOICES \$ 1,237.50

TOTAL AMOUNT DUE **\$ 6,262.50****Remittance Instructions*******Terms: Due and Payable Upon Receipt*******Mail To:**
 Dickinson Wright PLLC
 2600 W. Big Beaver
 Suite 300
 Troy, MI 48084
ACH Instructions:
 JP Morgan Chase Bank N.A.
 28660 Northwestern Highway
 Southfield, MI 48034
 ABA Number: 072 000 326
 Account# 38852
(Please Reference Invoice Numbers)**Wire Instructions:**
 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)



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

Invoice Date: 4/9/2021
Jacobs Project Number: 697317CH
Sequential Invoice Number: 30
Jacobs Invoice Number: 697317CH030

INVOICE

OMIDDD System-wide Odor/Corrosion Study

This invoice includes labor and expenses for the period
From January 30, 2021 through April 2, 2021

Authorized Amount	\$	531,447.00
Current Invoice	\$	12,474.68
Total Invoiced to Date	\$	530,697.15
Remaining Budget	\$	749.85

Total Amount Due	\$	12,474.68
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STATUS OF PREVIOUS INVOICES

82912 - 149662 - 730639 - 5216 - 1-3275 Ch 21 - std v#20192 exp. 5/15/20 li#439942

Date	Invoice Number	Sequential Invoice Number	Invoiced Amount	Paid Date	Paid Amount	Amount Outstanding
09/27/2018	381161194	1	\$35,231.70	11/14/2018	\$35,231.70	\$0.00
11/07/2018	697317CH001	2	\$18,104.11	12/06/2018	\$18,104.11	\$0.00
11/13/2018	697317CH002	3	\$11,916.34	12/24/2018	\$11,916.34	\$0.00
12/17/2018	697317CH003	4	\$17,294.97	01/29/2019	\$17,294.97	\$0.00
01/09/2019	697317CH004	5	\$11,205.83	01/24/2019	\$11,205.83	\$0.00
02/15/2019	697317CH005	6	\$14,963.22	03/27/2019	\$14,963.22	\$0.00
03/11/2019	697317CH006	7	\$23,348.82	03/27/2019	\$23,348.82	\$0.00
04/17/2019	697317CH008	8	\$21,792.04	05/17/2019	\$21,792.04	\$0.00
05/21/2019	697317CH009	9	\$10,413.99	06/28/2019	\$10,413.99	\$0.00
06/05/2019	697317CH010	10	\$14,856.85	07/31/2019	\$14,856.85	\$0.00
08/13/2019	697317CH011	11	\$64,654.11	08/30/2019	\$64,654.11	\$0.00
09/17/2019	697317CH012	12	\$25,928.19	10/31/2019	\$25,928.19	\$0.00
10/21/2019	697317CH013	13	\$22,538.94	11/27/2019	\$22,538.94	\$0.00
11/04/2019	697317CH014	14	\$8,692.74	12/06/2019	\$8,692.74	\$0.00
12/04/2019	697317CH015	15	\$12,547.23	01/23/2020	\$12,547.23	\$0.00
01/10/2020	697317CH016	16	\$27,522.34	03/16/2020	\$27,522.34	\$0.00
01/31/2020	697317CH017	17	\$13,617.64	03/16/2020	\$13,617.64	\$0.00
03/02/2020	697317CH018	18	\$11,928.66	04/01/2020	\$11,928.66	\$0.00
04/03/2020	697317CH019	19	\$14,163.86	04/21/2020	\$14,163.86	\$0.00
05/08/2020	697317CH020	20	\$21,634.51	06/09/2020	\$21,634.51	\$0.00
06/04/2020	697317CH021	21	\$24,631.95	07/16/2020	\$24,631.95	\$0.00
07/08/2020	697317CH022	22	\$22,988.97	09/26/2020	\$22,988.97	\$0.00
08/04/2020	697317CH023	23	\$6,484.91	09/26/2020	\$6,484.91	\$0.00
08/31/2020	697317CH024	24	\$11,920.40	09/26/2020	\$11,920.40	\$0.00
10/09/2020	697317CH025	25	\$19,230.12	11/05/2020	\$19,230.12	\$0.00
11/05/2020	697317CH026	26	\$8,271.96	03/02/2021	\$8,271.96	\$0.00
12/07/2020	697317CH027	27	\$4,987.01	01/14/2021	\$4,987.01	\$0.00
01/12/2021	697317CH028	28	\$8,454.69	02/11/2021	\$8,454.69	\$0.00
02/02/2021	697317CH029	29	\$8,896.37	03/02/2021	\$8,896.37	\$0.00
TOTAL OUTSTANDING AMOUNT						\$0.00

Payment terms: 30 NET

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

Electronic payment details:

Beneficiary Bank: Wells Fargo
ABA No: 121000248
Account No (USD): 4121034003
SWIFT: WFBIUS6S

Checks payable to:

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

INVOICE		
DATE	NUMBER	PAGE
1/28/2021	623168	1 of 1

B OMI100
 I OAKLAND MACOMB INTERCEPTOR DRA
 L 1 PUBLIC WORKS DR.
 L WATERFORD, MI 48328
 T
 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
WRITTEN	0108776	GREAT LAKES WATER AUTHORITY, NEPS, #5, ALLIS CHALMERS, BEARING, SANITARY	KES/SPM	FIELD SERVICE
QUANTITY		DESCRIPTION		
B/O	Ship			

0.00 1.00 ALLIS CHALMERS, BEARING
REPAIRED IN OUR FACILITY

ITEM# 31864: MECHANIC / MACHINIST
 CATEGORY 70170000
 6 HRS X 110.00 = \$660.00

ITEM# 31871: MATERIALS
 CATEGORY 70170000
 \$2,096.39 + 15% = \$2,410.85

- (1) QUOTE/REQUEST PRICE FOR BABBITT REPAIR (HOT)
- (2) DISASSEMBLE AND CLEAN / REASSEMBLE
- (1) INSPECT AND PICTURES
- (1) CLEAN AND PREP / SKID FOR SHIPPING
- (1) QC / DEBURRING / CLEAN / PREP FOR SHIPMENT

82912 - 6010101 - 149090 - 730660 - 5825 - Ch.21 - exp. 6/30/22 - v#239



4/2/21

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

TM 3-23-21

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: \$ 3,070.85
 TAX: \$ 0.00
 TOTAL: \$ 3,070.85

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
3/2/2021	623795	1 of 1

B OMI100
I OAKLAND MACOMB INTERCEPTOR DRA
L 1 PUBLIC WORKS DR.
L WATERFORD, MI 48328
T
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/PM	FIELD SERVICE	
QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED	
B/O	Ship					

0.00	10.50	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION PUMP STATION PREVENTATIVE MAINTENANCE COMPLETED ON 02-26-21. PLEASE SEE THE ATTACHED MAINTENANCE REPORT.	\$110.00	\$1,155.00
0.00	66.00	TRAVEL	SERVICE VEHICLE	\$0.50	\$33.00

82912 - 6010101 - 149090 - 730660 - 5825 - Ch.21 - exp. 6/30/22 - v#239

Jed R

4/2/21

TM 3-19-21

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: \$1,188.00
TAX: \$0.00
TOTAL: \$1,188.00

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

www.KennedyInd.com

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	0.0	\$ 145.00	\$ -
Terry Moore	Operations Manager (Overtime)	0.0	\$ 195.00	\$ -
Sean Grant	Sr. Project Engineer	17.0	\$ 145.00	\$ 2,465.00
Darrin Green	Staff Engineer	5.5	\$ 90.00	\$ 495.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$ 135.00	\$ -
Anthony Vozza	Staff Engineer	0.0	\$ 90.00	\$ -
Abhishek Shah	Staff Engineer	160.0	\$ 90.00	\$ 14,400.00
Brandon Brochue	Designer/Drafter	0.0	\$ 85.00	\$ -
			Subtotal 6.0:	\$ 17,360.00

Task 12.0 - As-Needed Services

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

TOTAL AMOUNT DUE THIS INVOICE:	\$ 84,635.43
---------------------------------------	---------------------

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
921567	0	001	3/19/2021	4/5/2021	93592

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

82912 - 6010101 - 149130- 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 7/30/21

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

4/9/21

WORK COMPLETED 3/19/2021

4-5-21

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
921567	0	001	3/8/2021	4/5/2021	93593

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

82912 - 6010101 - 149130 - 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 7/30/21

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

4/9/21

WORK COMPLETED 3/8/2021

4-5-21

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
921567	0	001	3/3/2021	4/5/2021	93594

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	\$231.00	-	\$231.00	\$231.00	-	-
Totals:		\$231.00		\$231.00	\$231.00		
Less Retained:				-			
Invoice Total:				\$231.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

82912 - 6010101 - 149090 - 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 7/30/21

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

4/9/21

WORK PERFORMED 3/3/2021

4-5-21

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
921567	0	001	3/25/2021	4/5/2021	93595

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	\$192.50	-	\$192.50	\$192.50	-	-
Totals:		\$192.50		\$192.50	\$192.50		
Less Retained:			<i>TM</i> 4-5-21	-			
Invoice Total:				\$192.50			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

82912 - 6010101 - 149090 - 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 7/30/21

SEE INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 3/25/2021

4/9/21

complete electrical construction

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

**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**

AUTOMATION AND CONTROLS SOLUTIONS

9440 GRINNELL

DETROIT, MI 48213-1151

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

"AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

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

Customer
PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
920567	0	001	6/22/2020	4/7/2021	93604

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	\$6,783.01	-	\$6,783.01	\$6,783.01	-	-
Totals:		\$6,783.01		\$6,783.01	\$6,783.01		
Less Retained:				-			
Invoice Total:				\$6,783.01			

TM

4-7-21

AS NEEDED ELECTRICAL AND ENGINEERING SERVICES

82912 - 6010101 - 149090 - 730660 - 5469 - Ch. 21 - v# 7755 - li# 41132 - exp. 7/30/21

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

Jol R

4/9/21

WORK PERFORMED BY ROTOR ELECTRIC

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

84917 - 6010101 - 149015 - 731444 - 2603 - 1-3308- ch 21 v#4716 - li#24138 - exp. 13/31/21

JTB 4/9/21

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

Invoice # : 4
Project : 61-200186
Invoice Group : **
Invoice Date : 3/29/2021

Attention: Sid Lockhart

For Professional Services Rendered from

2/20/2021 - 3/19/2021

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

Task 01	NI-EA OMID Contract No. 1 CCA	\$2,265,847.00
Task 02	OMID CS-9 Gate CCA	\$217,468.00
	Preliminary Budget Amount	\$2,483,315.00
	Percent Complete:	5.95%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 12,852.72	\$ 28,668.59
Overhead %	188.00	\$ 24,163.11	53,896.94
Total Regular Labor Expense		37,015.83	82,565.53
Premium Labor Cost		0	0
Total Direct Labor		37,015.83	82,565.53
Profit / Fixed Fee %	12.00	4,441.90	9,907.86
Direct Expenses Charge		319.78	357.34
Expense Multiplier %	5.00	15.99	17.87
Direct Subcontractor Charge		9,263.62	51,889.02
Subcontractor/Subconsultant Multiplier %	6.00	555.82	3,113.34
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		10,155.21	55,377.57
Total Costs:		51,612.94	147,850.96
Total Due This Invoice		\$ 51,612.94	\$ 147,850.96

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

84917- 6010101 - 149015 - 731458 - 2603 - 1-3309- ch 21 - engcon v#4716 - li#24138 - exp. 13/31/21

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

JL R 4/9/21

Invoice # : 6
Project : 61-200280
Invoice Group : CMT
Invoice Date : 3/29/2021

Attention: Sid Lockhart

For Professional Services Rendered from 2/20/2021 - 3/19/2021

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

Task 01	CMT Services	<u>\$130,138.00</u>
	Preliminary Budget Amount	<u>\$130,138.00</u>
	Percent Complete:	28.84%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 2,154.95	\$ 9,371.18
Overhead %	188.00	\$ 4,051.31	17,617.82
Total Regular Labor Expense		6,206.26	26,989.00
Premium Labor Cost		0	0
Total Direct Labor		6,206.26	26,989.00
Profit / Fixed Fee %	12.00	744.75	3,238.68
Direct Expenses Charge		926.67	6,960.96
Expense Multiplier %	5.00	46.33	348.04
Direct Subcontractor Charge		0.00	0.00
Subcontractor/Subconsultant Multiplier %	6.00	0.00	0.00
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		973.00	7,309.00
Total Costs:		7,924.01	37,536.68
Total Due This Invoice		\$ 7,924.01	\$ 37,536.68

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

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NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

82912 - 6010101 - 149662 - 731906 - 2603 - 1-2842 - ch 21 - std - v#4716 - li#24138 - exp. 13/31/21

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

[Signature]

4/9/21

Invoice # : 9
Project : 61-200209
Invoice Group : HSM/CSE
Invoice Date : 3/29/2021

Attention: Sid Lockhart

For Professional Services Rendered from 2/20/2021 - 3/19/2021

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:	67.69%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 502.63	\$ 7,968.87
Overhead %	188.00	\$ 944.94	14,981.48
Total Regular Labor Expense		1,447.57	22,950.35
Premium Labor Cost		0	0
Total Direct Labor		1,447.57	22,950.35
Profit / Fixed Fee %	12.00	173.71	2,754.04
Direct Expenses Charge		0.00	3,194.86
Expense Multiplier %	5.00	0.00	159.75
Direct Subcontractor Charge		0.00	3,100.00
Subcontractor/Subconsultant Multiplier %	6.00	0.00	186.00
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		0.00	6,640.61
Total Costs:		1,621.28	32,345.00
Total Due This Invoice		\$ 1,621.28	\$ 32,345.00

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

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NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

84917 - 149015 - 731444 - 2603 1-3308 - 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

[Signature]

4/9/21

Invoice # : 9
Project : 61-190439
Invoice Group : CS9
Invoice Date : 3/29/2021

Attention: Sid Lockhart

For Professional Services Rendered from 11/21/2020 - 3/19/2021

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: 97.15%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 990.38	\$ 19,255.28
Overhead %	188.00	1,861.91	36,199.93
Total Regular Labor Expense		2,852.29	55,455.21
Premium Labor Cost		0	0
Total Direct Labor		2,852.29	55,455.21
Profit / Fixed Fee %	12.00	342.27	6,654.61
Direct Expenses Charge		4.29	250.13
Expense Multiplier %	5.00	0.21	12.52
Direct Subcontractor Charge		2,498.57	114,767.57
Subcontractor/Subconsultant Multiplier %	6.00	149.92	6,886.08
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		2,652.99	121,916.30
Total Costs:		5,847.55	184,026.12
Total Due This Invoice		\$ 5,847.55	\$ 184,026.12

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

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NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

84917 - 6010101 - 149015 - 730639 - 2603 - 1-3308 - Ch.21 v#4716 - li#24138 - exp. 13/31/21

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

JTB 4/9/21

Invoice # : 22
Project : 61-190078
Invoice Group : NI-EA
Invoice Date : 3/29/2021

Attention: Sid Lockhart

For Professional Services Rendered from 2/20/2021 - 3/19/2021

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: 78.38%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 2,894.51	\$ 253,543.45
Overhead %	188.00	5,441.68	476,661.71
Total Regular Labor Expense		8,336.19	730,205.16
Premium Labor Cost		0	0
Total Direct Labor		8,336.19	730,205.16
Profit / Fixed Fee %	12.00	1,000.34	87,624.61
Direct Expenses Charge		41.43	26,878.26
Expense Multiplier %	5.00	2.07	1,343.96
Direct Subcontractor Charge		16,413.40	883,145.18
Subcontractor/Subconsultant Multiplier %	6.00	984.80	52,988.84
Direct Unit Rate Charge		0	0
Total Other Direct Charges Reimbursables		17,441.70	964,356.24
Total Costs:		26,778.23	1,782,186.01
Total Due This Invoice		\$ 26,778.23	\$ 1,782,186.01

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.

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NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

82912 - 6010101 - 149662 - 730639 - 2603 - 1-3015 - ch 21 - engcon v#4716 - li#24138 - exp. 13/31/21

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

Invoice # : 26
Project : 61-190044
Invoice Group : REPAIRS
Invoice Date : 3/29/2021

Attention: Sid Lockhart

For Professional Services Rendered from

02/20/2021 - 03/19/2021

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)		\$ 4,640.49	\$ 46,075.22
Overhead %	188.00	8,724.12	86,621.40
Total Regular Labor Expense		13,364.61	132,696.62
Premium Labor Cost		0	0
Total Direct Labor		13,364.61	132,696.62
Profit / Fixed Fee %	12.00	1,603.75	15,923.59
Direct Expenses Charge		399.19	2,792.01
Expense Multiplier %	5.00	19.96	189.61
Direct Subcontractor Charge		1,032.47	39,825.73
Subcontractor/Subconsultant Multiplier %	5.00	51.62	1,991.33
Direct Unit Rate Charge		0.00	0.00
Total Other Direct Charges Reimbursables		1,503.24	44,798.68
Total Costs:		16,471.60	193,418.89
Total Due This Invoice		\$ 16,471.60	\$ 193,418.89

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

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NTH Consultants, Ltd.

Infrastructure Engineering and
Environmental Services

INVOICE

84915 - 149015 - 730639 - 2603 - 1-2232 Ch 21 - eng con v#4716 exp. 12/31/21 li#24138

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

JL Rm

4/9/21

Invoice # : 54
Project : 61-150162
Invoice Group : NESPS CCA
Invoice Date : 3/29/2021

Attention: Sid Lockhart

For Professional Services Rendered from

09/26/2020 - 03/19/2021

CCA and Construction Observation Services for the Emergency Rehabilitation of the NESPS Discharge Chamber

CCA / Construction Observation (Task 01)	\$437,458.04
CIP Concrete Riser Substitution (Task 02)	\$3,041.52
Continuation of NESPS CCA (Task 03)	\$522,070.69
Continuation of GLWA Coordination (Task 04)	\$41,800.92
Sterling Heights Sewer Grout Investigation (Task 05)	\$7,507.83
Preliminary Budget Amount	<u>\$1,011,879.00</u>
Percent Complete:	98.14%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 631.82	\$ 243,170.00
Overhead %	188.00	1,187.82	457,159.58
Total Regular Labor Expense		1,819.64	700,329.58
Premium Labor Cost		0	0
Total Direct Labor		1,819.64	700,329.58
Profit / Fixed Fee %	12.00	218.36	84,039.64
Direct Expenses Charge		0.00	37,430.90
Expense Multiplier %	5.00	0.00	1,871.55
Direct Subcontractor Charge		0.00	156,860.04
Subcontractor/Subconsultant Multiplier %	5.00	0.00	7,843.01
Direct Unit Rate Charge		0.00	4,655.59
Total Other Direct Charges Reimbursables		0.00	208,661.09
Total Costs:		2,038.00	993,030.31
Total Due This Invoice		\$ 2,038.00	\$ 993,030.31

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

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

April 5, 2021

Invoice No: 03559.01 - 10

Project 03559.01 Oakland-Macomb Interceptor Drainage 2020

Professional Services from March 1, 2021 to March 31, 2021

Professional Personnel

	Hours	Rate	Amount	
Zann, John	31.00	94.00	2,914.00	
Totals	31.00		2,914.00	
Total Labor				2,914.00

Additional Fees

Overhead	149.10 % of 2,914.00		4,344.77	
Profit	10.00 % of 7,258.77		725.88	
Total Additional Fees			5,070.65	5,070.65

Billing Limits

	Current	Prior	To-Date
Total Billings	7,984.65	67,998.33	75,982.98
Limit			450,000.00
Remaining			374,017.02

Total this Invoice \$7,984.65

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

84917 - 6010101 - 149015 - 731444 - 5158 - 1-3309 - ch21 - engcon - v#16918 - exp. 6/20/22

4/9/21



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID 1 PUBLIC WORKS DRIVE WATERFORD, MI 48328-	Customer PO Number Professional Services Contrac	Job Number	Sub Job	Contract Number	Date Performed	Application	
						Date	Number
		719707	0	001	9/28/2020	12/21/2020	12376

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$1,596.00	-	\$1,596.00	\$1,596.00	-	-
Totals:		\$1,596.00		\$1,596.00	\$1,596.00		
Less Retained:				-			
Invoice Total:				\$1,596.00			

PROFESIONAL SERVICES NESPS

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

Joel Brown

4/2/21

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."



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	1/27/2021	2/24/2021	12407

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$665.00	-	\$665.00	\$665.00	-	-
Totals:		\$665.00		\$665.00	\$665.00		
Less Retained:				-			
Invoice Total:			TM	\$665.00			
3-11-21							

ELEVATOR EMG POWER ATS RESEARCH

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

John R

4/2/21

complete electrical construction

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Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	12/29/2020	2/24/2021	12408

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$1,583.79	-	\$1,583.79	\$1,583.79	-	-
Totals:		\$1,583.79		\$1,583.79	\$1,583.79		
Less Retained:			<i>TM</i> 3-11-21	-			
Invoice Total:				\$1,583.79			

WEST MECHANICAL ROOM

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

HEATER ISSUES

JL R

4/2/21

complete electrical construction

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Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contrac

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	2/15/2021	2/24/2021	12409

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$1,784.00	-	\$1,784.00	\$1,784.00	-	-
Totals:		\$1,784.00		\$1,784.00	\$1,784.00		
			<i>TM</i> 3-11-21				
Less Retained:				-			
Invoice Total:				\$1,784.00			

PUMP P2 EMERGENCY SERVICE

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

JL R

4/2/21

complete electrical construction

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Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	2/4/2021	2/24/2021	12410

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$3,379.30	-	\$3,379.30	\$3,379.30	-	-
Totals:		\$3,379.30		\$3,379.30	\$3,379.30		
Less Retained:			TM 3-11-21	-			
Invoice Total:				\$3,379.30			

ELEVATOR MACHINE ROOM IMPROVEMENTS

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

4/2/21

complete electrical construction

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Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	2/25/2021	2/26/2021	12411

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$798.00	-	\$798.00	\$798.00	-	-
Totals:		\$798.00	TM 3-11-21	\$798.00	\$798.00		
Less Retained:				-			
Invoice Total:				\$798.00			

PUMP P1 TRIP EVENT

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

JOEL BROWN

4/2/21

complete electrical construction

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



Rotor Electric Company of Michigan, LLC.

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

INVOICE

OMID
1 PUBLIC WORKS DRIVE
WATERFORD, MI 48328-

Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	3/2/2021	3/11/2021	12413

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$1,064.00	-	\$1,064.00	\$1,064.00	-	-
Totals:		\$1,064.00		\$1,064.00	\$1,064.00		
Less Retained:				-			
Invoice Total:				\$1,064.00			

P5 SHELTER POWER SHUTDOWN
FOR DTE SERVICE REPLACEMENT

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

 4/2/21

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Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	3/5/2021	3/11/2021	12414

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$1,330.00	-	\$1,330.00	\$1,330.00	-	-
Totals:		\$1,330.00		\$1,330.00	\$1,330.00		
Less Retained:				-			
Invoice Total:				\$1,330.00			

PUMP P4 GATE VALVE
EMERGENCY CALL

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

4/2/21

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Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	3/3/2021	3/11/2021	12415

JOEL BROWN

TM 3-11-21

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$1,330.00	-	\$1,330.00	\$1,330.00	-	-
Totals:		\$1,330.00		\$1,330.00	\$1,330.00		
Less Retained:				-			
Invoice Total:				\$1,330.00			

SWITCHGEAR BUS 3

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

Joel Brown

4/2/21

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Customer
PO Number
Professional Services Contract

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
719707	0	001	3/3/2021	3/11/2021	12416

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$532.00	-	\$532.00	\$532.00	-	-
Totals:		\$532.00		\$532.00	\$532.00		
Less Retained:				-			
Invoice Total:				\$532.00			

PUMP P1 FUSE FAILURE INVESTIGATION

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

 4/2/21

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Agenda Item No. 13

Other Business

Agenda Item No. 14

Adjourn